



CALIFORNIA

COLUMBIA

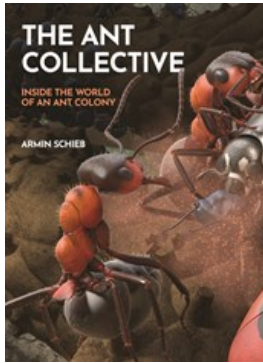
PRINCETON

THE UNIVERSITY PRESS GROUP

# Natural World

**New and Best of Backlist**

Spring / Summer 2024



### The Ant Collective – Inside the World of an Ant Colony

Armin Schieb

9780691255927

£20.00 • \$24.95 • Hardcover

Nature / Animals / Insects & Spiders

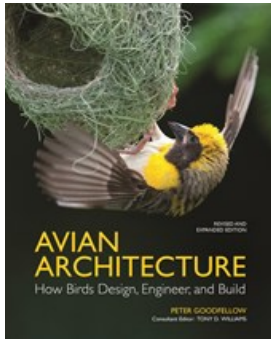
May 2024

Princeton University Press

#### Ants come alive on this fabulously illustrated journey into the heart of a bustling colony

Ants share a vibrant and complex communal life and remarkable abilities to communicate with each other. *The Ant Collective* presents the world of ants as you have never seen it before, using hyperrealistic, computer-generated imagery that shows 3D-like views of activities inside and outside a thriving nest of red wood ants. With chapters on topics ranging from the establishment and construction of the nest to the birth of an ant trail and the relocation of a colony, this one-of-a-kind book brilliantly integrates informative descriptions with the illustrations, drawing on the latest science to reveal the innermost workings of the colony and enabling you to explore the ant collective as if you are there.

- Features a wealth of naturalistic 3D-like illustrations and schematic infographics
- Depicts the anatomy of ants, the architecture of their nests, their interactions with the environment and other animals, and their collective social behavior
- Follows the annual life cycle of the colony
- Provides an incredible up-close look at ant reproduction, defense, foraging, nesting, division of labor, and more
- Packed with information about the biology, ecology, and communication skills of these marvelous insects



### Avian Architecture Revised and Expanded Edition – How Birds Design, Engineer, and Build

Peter Goodfellow

9780691255460

£25.00 • \$29.95 • Hardcover

Science / Life Sciences / Zoology /

Ornithology

February 2024

Princeton University Press

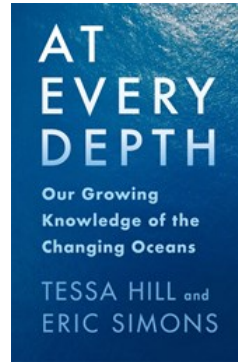
#### The essential illustrated guide to how birds design and build their nests—now fully revised and expanded

Birds are the most consistently inventive builders, and their nests set the bar for functional design in nature. Describing how birds design, engineer, and build their nests, *Avian Architecture* deconstructs all types of nests found around the world using architectural blueprints and detailed descriptions of the construction processes and engineering techniques birds use.

This spectacularly illustrated book features more than 300 full-color images and more than 40 case studies that profile key species worldwide. Each chapter covers a different type of nest, from tunnel nests and mound nests to floating nests, hanging nests, woven nests, and even multiple-nest avian cities. Other kinds of avian construction—such as bowers and food stores—are also featured.

Now with more case studies and an updated foreword, this revised and expanded edition includes intricate step-by-step sequences, visual spreads on nest-building materials and methods, and insightful commentary by a leading expert.

- Illustrates how birds around the world design, engineer, and build their nests
- Features architectural blueprints, step-by-step sequences, visual spreads on nest-building materials and methods, and expert commentary
- Includes more than 300 full-color images
- Covers more than 100 bird species worldwide



### At Every Depth – Our Growing Knowledge of the Changing Oceans

Tessa Hill

9780231199704

£28.00 • \$32.95 • Hardcover

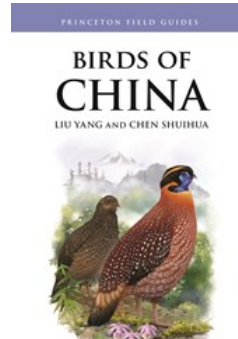
Nature / Ecosystems & Habitats / Oceans & Seas

March 2024

Columbia University Press

The world's oceans are changing at a drastic pace. Beneath the waves and along the coasts, climate change and environmental degradation have spurred the most radical transformations in human history. In response, the people who know the ocean most intimately are taking action for the sake of our shared future. Community scientists track species in California tidepools. Researchers dive into the waters around Sydney to replant kelp forests. Scientists and First Nations communities collaborate to restore clam gardens in the Pacific Northwest.

In *At Every Depth*, the oceanographer Tessa Hill and the science journalist Eric Simons profile these and other efforts to understand and protect marine environments, taking readers to habitats from shallow tidepools to the deep sea. They delve into the many human connections to the ocean—how people live with and make their living from the waters—journeying to places as far-flung as coral reefs, the Great Pacific Garbage Patch, and the Arctic and Antarctic poles. *At Every Depth* shares the stories of people from all walks of life, including scientists, coastal community members, Indigenous people, shellfish farmers, and fisheries workers. It brings together varied viewpoints, showing how scientists' research and local and Indigenous knowledge can complement each other to inform a more sustainable future. Poignantly written and grounded in science, this book offers a narrative perspective on the changing oceans, letting us see how our relationships to the oceans are changing too.



### Birds of China

Liu Yang

9780691237527

£35.00 • \$39.95 • Paperback

Nature / Birdwatching Guides

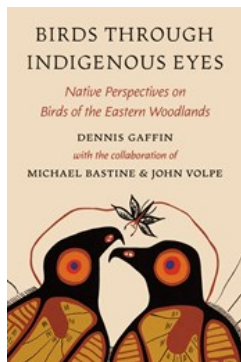
December 2023

Princeton University Press

#### A comprehensive, fully illustrated field guide to the birds of China

China is home to some of the most spectacular birdlife to be found anywhere in the world. This richly illustrated field guide covers every species found throughout the region, including numerous endemic and globally threatened species. Detailed species accounts cover everything from biometrics and habitat to behavior, distribution, and voice, and each one comes with illustrations of the species and a color distribution map. A landmark achievement, *Birds of China* is the ideal companion for travelers to China and a must for any birder's bookshelf.

- The first complete English-language field guide to China's wondrously diverse birdlife
- Covers nearly 1,500 species, including endemics and threatened birds
- Features a wealth of breathtaking color plates painted by leading Chinese artists
- Includes some 4,000 images that illustrate every species
- Discusses China's geography and zoogeography
- Shares invaluable advice on birding practices and ethics



### Birds through Indigenous Eyes – Native Perspectives on Birds of the Eastern Woodlands

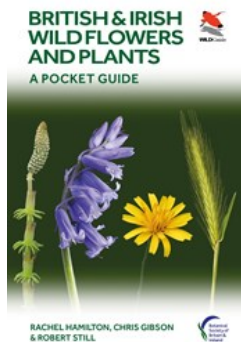
Dennis Gaffin  
9780691250847  
£20.00 • \$24.95 • Hardcover  
Nature / Animals / Birds  
June 2024  
Princeton University Press

#### An intimate and personal account of the profound roles birds play in the lives of some Indigenous people

For many hours over a period of years, white anthropologist Dennis Gaffin and two Indigenous friends, Michael Bastine and John Volpe, recorded their conversations about a shared passion: the birds of upstate New York and southern Ontario. In these lively, informal talks, Bastine (a healer and naturalist of Algonquin descent) and Volpe (a naturalist and animal rehabilitator of Ojibwe and Métis descent) shared their experiences of, and beliefs about, birds, describing the profound spiritual, psychological, and social roles of birds in the lives of some Indigenous people. *Birds through Indigenous Eyes* presents highlights of these conversations, placing them in context and showing how Native understandings of birds contrast with conventional Western views.

Bastine and Volpe bring to life Algonquin, Ojibwe, and Haudenosaunee (Iroquois) beliefs about birds. They reveal how specific birds and bird species are seamlessly integrated into spirituality and everyday thought and action, how birds bring important messages to individual people, how a bird species can become associated with a person, and how birds provide warnings about our endangered environment. Over the course of the book, birds such as the house sparrow, Eastern phoebe, Northern flicker, belted kingfisher, gray catbird, cedar waxwing, and black-capped chickadee are shown in a new light—as spiritual and practical helpers that can teach humans how to live well.

An original work of ethno-ornithology that offers a rare close-up look at some Native views on birds, *Birds through Indigenous Eyes* opens rich new perspectives on the deep connections between birds and humans.



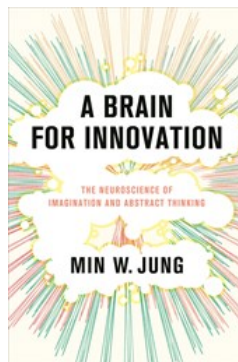
### British and Irish Wild Flowers and Plants – A Pocket Guide

Rachel Hamilton  
9780691245409  
£12.99 • \$16.95 • Paperback  
Nature / Plants / Flowers  
March 2024  
Princeton University Press – WILDGuides

#### A highly illustrated and portable identification guide to the most common wild flowers and other plants

This innovative photographic guide covers the most common wild flowers and other plants found in Britain and Ireland, as defined by the very latest distribution maps. It is designed so that anyone faced with an unfamiliar wild plant can confidently put a name to the species or recognise that it is a less common plant needing further investigation. The identification process is based on standard botanical features that are straightforwardly described, clearly illustrated and supported by a simple visual key to families. This book can be your springboard into the wider world of botanical identification, wherever you are, and of plants both common and rare.

- Covers the plants most likely to be seen, including those in coastal areas
- Includes more than 3,800 colour photographs, with macro images of key features when needed
- Features a friendly, easy-to-use design and text written in plain English, with essential botanical terms described and illustrated



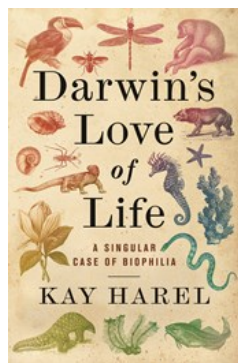
### A Brain for Innovation – The Neuroscience of Imagination and Abstract Thinking

Min W. Jung  
9780231213363  
£30.00 • \$35.00 • Hardcover  
Science / Life Sciences / Neuroscience  
January 2024  
Columbia University Press

What sets humans apart from other animals? Perhaps more than anything else, it is the capacity for innovation. The accumulation of discoveries throughout history, big and small, has enabled us to build global civilizations and gain power to shape our environment. But what makes humans as a species so innovative?

Min W. Jung offers a new understanding of the neural basis of innovation in terms of humans' exceptional capacity for imagination and high-level abstraction. He provides an engaging account of recent advances in neuroscience that have shed light on the neural underpinnings of these profoundly important abilities. Jung examines key discoveries concerning the hippocampus and neural circuits that have demystified the processes underlying imagination and abstract thinking. He also considers how these capacities might have evolved as well as possible futures for intelligence.

Bringing together disparate findings in neuroscience, psychology, anthropology, and artificial intelligence, *A Brain for Innovation* develops a unified perspective on the mechanisms of imagination, abstract thought, and creativity. Presenting cutting-edge neuroscientific research in a way that is accessible to readers without a background in the subject, this book is essential reading for anyone interested in the biological basis of one of the most fundamental aspects of human nature.



### Darwin's Love of Life – A Singular Case of Biophilia

Karen L. Harel  
9780231216708  
£16.99 • \$20.00 • Paperback  
Nature / Essays  
June 2024  
Columbia University Press

Biophilia—the love of life—encompasses the drive to survive, a sense of kinship with all life-forms, and an instinct for beauty. In this unconventional book, Kay Harel uses biophilia as a lens to explore Charles Darwin's life and thought in deeply original ways. In a set of interrelated essays, she considers how the love of life enabled him to see otherwise unseen evolutionary truths.

Harel traces the influence of biophilia on Darwin's views of dogs, facts, thought, emotion, and beauty, informed by little-known material from his private notebooks. She argues that much of what Darwin described, envisioned, and felt was biophilia in action. Closing the book is a profile of Darwin's marriage to Emma Wedgwood, his first cousin, a woman gifted in music and medicine who shared her husband's love of life.

Harel's meditative, playful, and lyrical musings draw on the tools of varied disciplines—aesthetics, astronomy, biology, evolutionary theory, history of science, philosophy, psychiatry, and more—while remaining unbounded by any particular one. Taking unexpected paths to recast a figure we thought we knew, this book offers readers a different Darwin: a man full of love, joy, awe, humility, curiosity, and a zest for living.



### Father Time – A Natural History of Men and Babies

Sarah Blaffer Hrdy

9780691238777

£25.00 • \$29.95 • Hardcover

Science / Life Sciences / Biology

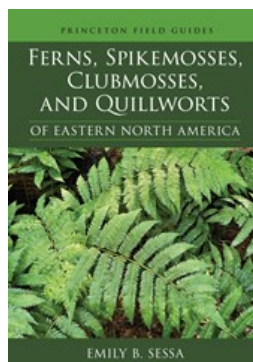
May 2024

Princeton University Press

**A sweeping account of male nurturing, explaining how and why men are biologically transformed when they care for babies**

It has long seemed self-evident that women care for babies and men do other things. Hasn't it always been so? When evolutionary science came along, it rubber-stamped this venerable division of labor: mammalian males evolved to compete for status and mates, while females were purpose-built to gestate, suckle, and otherwise nurture the victors' offspring. But come the twenty-first century, increasing numbers of men are tending babies, sometimes right from birth. How can this be happening? Puzzled and dazzled by the tender expertise of new fathers around the world—several in her own family—celebrated evolutionary anthropologist and primatologist Sarah Blaffer Hrdy set out to trace the deep history of male nurturing and explain a surprising departure from everything she had assumed to be “normal.”

In *Father Time*, Hrdy draws on a wealth of research to argue that this ongoing transformation in men is not only cultural, but profoundly biological. Men in prolonged intimate contact with babies exhibit responses nearly identical to those in the bodies and brains of mothers. They develop caring potential few realized men possessed. In her quest to explain how men came to nurture babies, Hrdy travels back through millions of years of human, primate, and mammalian evolution, then back further still to the earliest vertebrates—all while taking into account recent economic and social trends and technological innovations and incorporating new findings from neuroscience, genetics, endocrinology, and more. The result is a masterful synthesis of evolutionary and historical perspectives that expands our understanding of what it means to be a man—and what the implications might be for society and our species.



### Ferns, Spikemosses, Clubmosses, and Quillworts of Eastern North America

Emily Sessa

9780691219455

£25.00 • \$29.95 • Paperback

Nature / Plants

April 2024

Princeton University Press

**A comprehensive, richly illustrated photographic field guide to the ferns and lycophytes of the eastern United States and Canada**

This is a comprehensive photographic field guide to the ferns, spikemosses, clubmosses, and quillworts of eastern North America. Accessible yet scientifically accurate, the book will appeal to beginners and experts alike and enhance the field experience of any user.

Keys, range maps, detailed color photographs, and facing-page species descriptions aid exploration and allow reliable identification of all 305 species found in the area covered by the book—the United States east of the Mississippi and contiguous Canada, except for extreme northern and northeastern Canada. An introduction provides an easy-to-understand overview of identifying characteristics, life cycles, and evolutionary history. Checklists allow readers to record species they have seen, in four subregions. Indexes feature a complete list of common and scientific names, including synonyms, ensuring that users can find the plants they are looking for and keep track of changes in taxonomy. In addition, information about hybrids, polyploids, and reticulate relationships is provided, illuminating the fascinating processes that have led to such a rich diversity of species.

Modern and innovative, this is the definitive guide to the ferns and lycophytes of eastern North America.

- Covers all 305 species, belonging to 96 genera and 30 families
- Features detailed color photos of all species—and facing-page species descriptions
- Provides checklists for keeping track of species seen



### A Field Guide to the Larger Mammals of South America

Richard Webb

9780691174099

£42.00 • \$49.95 • Paperback

Nature / Animals / Mammals

June 2024

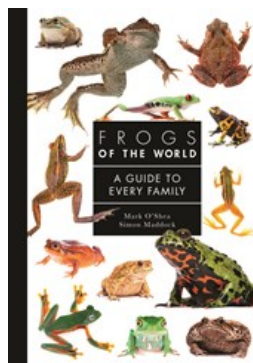
Princeton University Press

**The definitive comprehensive photographic field guide to the larger mammals of continental South America**

South America's wide range of habitats support a tremendous diversity of plants and animals, including more than 400 species of larger mammals—those the size of a guinea pig or bigger. Many are truly iconic: Jaguar, Puma, Ocelot and numerous other beautiful cats; the fantastic Maned Wolf; the incomparable Giant Anteater; and an incredible variety of extraordinary primates. This groundbreaking guide provides detailed coverage of these and many other wonderful mammals, including porcupines and peccaries; squirrels, sloths, skunks and seals; opossums, olingos and otters; armadillos, agoutis and Andean Bear; and viscachas and Vicuña—not to mention tapirs and river and estuarine dolphins.

The species accounts include a description of key features and information on subspecies, comparisons with similar species that overlap in range, details of the habitats in which the species occurs, a summary of its distribution in South America and information on its conservation status. Each species is illustrated with carefully selected photos, or artwork where suitable photos were not available.

- Covers more than 400 species
- Showcases over 500 stunning photos, many of rarely photographed species
- Features specially commissioned artwork for almost 100 species, including comparative plates of all marmosets and titi monkeys
- Includes up-to-date distribution maps



### Frogs of the World – A Guide to Every Family

Mark O'Shea

9780691248301

£25.00 • \$29.95 • Hardcover

Nature / Animals / Reptiles & Amphibians

April 2024

Princeton University Press

**A richly illustrated guide to the world's frogs that includes species from every family**

With more than 7,600 known species, frogs exhibit an extraordinary range of forms and behaviors, from those that produce toxins so deadly that they could kill a human many times over to those that can survive being frozen in ice. *Frogs of the World* is an essential guide to this astonishingly diverse group of animals. An in-depth introduction covers everything from the origins and evolution of frogs to their life cycles and defense strategies. Beautiful illustrations accompany profiles of species from each family, shedding invaluable light on the enormous range of appearance, habitats, and behavior of these marvelous creatures.

- Features hundreds of stunning color photographs
- Covers taxonomy, anatomy, locomotion, reproduction, diet, and more
- Discusses the conservation of the world's frogs
- An invaluable resource for herpetologists, naturalists, and anyone interested in amphibians





### How We Age – The Science of Longevity

Coleen T. Murphy  
9780691182636  
£30.00 • \$35.00 • Hardcover  
Science / Life Sciences / Biology  
January 2024  
Princeton University Press

#### How recent breakthroughs in longevity research offer clues about human aging

All of us would like to live longer, or to slow the debilitating effects of age. In *How We Age*, Coleen Murphy shows how recent research on longevity and aging may be bringing us closer to this goal. Murphy, a leading scholar of aging, explains that the study of model systems, particularly simple invertebrate animals, combined with breakthroughs in genomic methods, have allowed scientists to probe the molecular mechanisms of longevity and aging. Understanding the fundamental biological rules that govern aging in model systems provides clues about how we might slow human aging, which could lead in turn to new therapeutics and treatments for age-related disease.

Among other vivid examples, Murphy describes research that shows how changing a single gene in the nematode worm *C. elegans* doubles its lifespan, extending not only the end of life but also the youthful, healthy part of life. Drawing on work in her own lab as well as other recent research, Murphy chronicles the history and current state of the field, explaining longevity's links to reproduction and mating, sensory and cognitive function, inheritances from our ancestors, and the gut microbiome. Written with clarity and wit, *How We Age* provides a guide to the science: what we know about aging, how we know what we know, and what we can do with this new knowledge.



### The Last of Its Kind – The Search for the Great Auk and the Discovery of Extinction

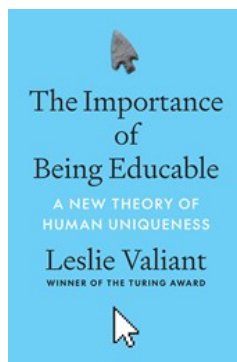
Gísli Pálsson  
9780691230986  
£22.00 • \$27.95 • Hardcover  
Science / Natural History  
April 2024  
Princeton University Press

#### How an iconic bird's final days exposed the reality of human-caused extinction

The great auk is one of the most tragic and documented examples of extinction. A flightless bird that bred primarily on the remote islands of the North Atlantic, the last of its kind were killed in Iceland in 1844. Gísli Pálsson draws on firsthand accounts from the Icelanders who hunted the last great auks to bring to life a bygone age of Victorian scientific exploration while offering vital insights into the extinction of species.

Pálsson vividly recounts how British ornithologists John Wolley and Alfred Newton set out for Iceland to collect specimens only to discover that the great auks were already gone. At the time, the Victorian world viewed extinction as an impossibility or trivialized it as a natural phenomenon. Pálsson chronicles how Wolley and Newton documented the fate of the last birds through interviews with the men who killed them, and how the naturalists' Icelandic journey opened their eyes to the disappearance of species as a subject of scientific concern—and as something that could be caused by humans.

Blending a richly evocative narrative with rare, unpublished material as well as insights from ornithology, anthropology, and Pálsson's own North Atlantic travels, *The Last of Its Kind* reveals how the saga of the great auk opens a window onto the human causes of mass extinction.



### The Importance of Being Educable – A New Theory of Human Uniqueness

Leslie Valiant  
9780691230566  
£25.00 • \$29.95 • Hardcover  
Science / Life Sciences / Neuroscience  
April 2024  
Princeton University Press

#### In the age of AI, why our future depends on better understanding what makes us human

We are at a crossroads in history. If we hope to share our planet successfully with one another and the AI systems we are creating, we must reflect on who we are, how we got here, and where we are heading. *The Importance of Being Educable* puts forward a provocative new exploration of the extraordinary facility of humans to absorb and apply knowledge. The remarkable "educability" of the human brain can be understood as an information processing ability. It sets our species apart, enables the civilization we have, and gives us the power and potential to set our planet on a steady course. Yet it comes hand in hand with an insidious weakness. While we can readily absorb entire systems of thought about worlds of experience beyond our own, we struggle to judge correctly what information we should trust.

In this visionary book, Leslie Valiant argues that understanding the nature of our own educability is crucial to safeguarding our future. After breaking down how we process information to learn and apply knowledge, and drawing comparisons with other animals and AI systems, he explains why education should be humankind's central preoccupation.

Will the unique capability that has been so foundational to our achievements and civilization continue to drive our progress, or will we fall victim to our vulnerabilities? If we want to play to our species' great strength and protect our collective future, we must better understand and prioritize the vital importance of being educable. This book provides a road map.



### Lichenpedia – A Brief Compendium

Kay Hurley  
9780691239903  
£10.99 • \$17.95 • Hardcover  
Nature / Plants  
May 2024  
Princeton University Press

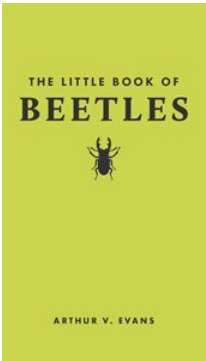
#### An illustrated mini-encyclopedia about the weird and wonderful world of lichens

*Lichenpedia* is a delightfully entertaining and beautifully illustrated A–Z treasury about the strange, obscure, and remarkable world of lichens, from their unique and essential roles in nature and the ways they are used in dyeing, brewing, and drug-making to how they have inspired writers and artists, from Henry David Thoreau to modern painters.

In 100 brief entries written in a vivid, lively style, Kay Hurley introduces key aspects of lichen biology, environmental roles, emerging uses, scientific history, and myth. She describes the variety of forms that lichens take, from leafy to filamentous to things reminiscent of skin diseases, with imaginative names like witch's hair. She explains the surprising ways that birds and beasts—from reindeer and moose down to tiny tardigrades—use lichens, and how lichens survive in extreme environments, from deserts to Antarctica to outer space. Hurley also introduces some of the innovators who have advanced the knowledge of lichens, from the ancient Greek philosopher Theophrastus to today's professional lichenologists.

With charming drawings by Susan Adele Edwards, *Lichenpedia* promises to put you in touch with the natural world in a new way by opening your eyes to these vital organisms, which are all around us, hidden in plain sight.

- Features a cloth cover with an elaborate foil-stamped design



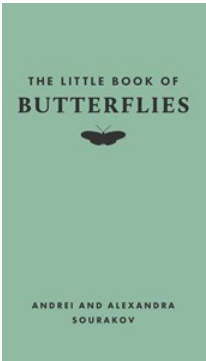
The Little Book of Beetles

Arthur V. Evans  
9780691251776  
£12.99 • \$14.95 • Hardcover  
Nature / Animals / Insects & Spiders  
April 2024  
Princeton University Press

A charming, richly illustrated, pocket-size exploration of the world’s beetles

Packed with surprising facts, this delightful and gorgeously designed book will beguile any nature lover. Expertly written and beautifully illustrated throughout with color photographs and original color artwork, *The Little Book of Beetles* is an accessible and enjoyable mini reference about the world’s beetles, with examples drawn from across the globe. It fits an astonishing amount of information in a small package, covering a wide range of topics—from anatomy, diversity, and reproduction to habitat and conservation. It also includes curious facts and a section on beetles in myths, folklore, and modern culture from around the world. The result is an irresistible guide to the amazing lives of beetles.

- A beautifully designed pocket-size book with a foil-stamped cloth cover
- Features some 140 color illustrations and photos
- Makes a perfect gift



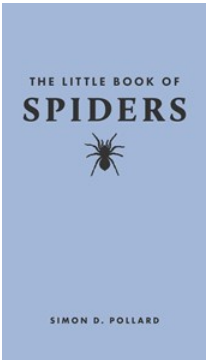
The Little Book of Butterflies

Andrei Sourakov  
9780691251745  
£12.99 • \$14.95 • Hardcover  
Nature / Animals / Butterflies & Moths  
April 2024  
Princeton University Press

A charming, richly illustrated, pocket-size exploration of the world’s butterflies

Packed with surprising facts, this delightful and gorgeously designed book will beguile any nature lover. Expertly written and beautifully illustrated throughout with color photographs and original color artwork, *The Little Book of Butterflies* is an accessible and enjoyable mini reference about the world’s butterflies, with examples drawn from across the globe. It fits an astonishing amount of information in a small package, covering a wide range of topics—from anatomy, diversity, and reproduction to habitat and conservation. It also includes curious facts and a section on butterflies in myths, folklore, and modern culture from around the world. The result is an irresistible guide to the amazing lives of butterflies.

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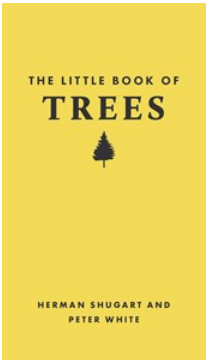
The Little Book of Spiders

Simon Pollard  
9780691251820  
£12.99 • \$14.95 • Hardcover  
Nature / Animals / Insects & Spiders  
April 2024  
Princeton University Press

A charming, richly illustrated, pocket-size exploration of the world’s spiders

Packed with surprising facts, this delightful and gorgeously designed book will beguile any nature lover. Expertly written and beautifully illustrated throughout with color photographs and original color artwork, *The Little Book of Spiders* is an accessible and enjoyable mini reference about the world’s spiders, with examples drawn from across the globe. It fits an astonishing amount of information in a small package, covering a wide range of topics—from anatomy, diversity, and reproduction to habitat and conservation. It also includes curious facts and a section on spiders in myths, folklore, and modern culture from around the world. The result is an irresistible guide to the amazing lives of spiders.

- A beautifully designed pocket-size book with a foil-stamped cloth cover
- Features some 140 color illustrations and photos
- Makes a perfect gift



The Little Book of Trees

Herman Shugart  
9780691251790  
£12.99 • \$14.95 • Hardcover  
Nature / Plants / Trees  
April 2024  
Princeton University Press

A charming, richly illustrated, pocket-size exploration of the world’s trees

Packed with surprising facts, this delightful and gorgeously designed book will beguile any nature lover. Expertly written and beautifully illustrated throughout with color photographs and original color artwork, *The Little Book of Trees* is an accessible and enjoyable mini reference about the world’s trees, with examples drawn from across the globe. It fits an astonishing amount of information in a small package, covering a wide range of topics—from tree anatomy, diversity, and architecture to habitat and conservation. It also includes curious facts and a section on trees in myths, folklore, and modern culture from around the world. The result is an irresistible guide to the amazing lives of trees.

- A beautifully designed pocket-size book with a foil-stamped cloth cover
- Features some 140 color illustrations and photos
- Makes a perfect gift



### The Lives of Bees – A Natural History of Our Planet's Bee Life

Harland Patch

9780691247298

£30.00 • \$35.00 • Hardcover

Nature / Animals / Insects & Spiders

June 2024

Princeton University Press

#### A beautifully illustrated guide to the vibrant and richly diverse world of bees

*The Lives of Bees* provides a one-of-a-kind look at the life and natural history of bees. Blending stunning photographs and illustrations with illuminating profiles of selected species, this incisive guide takes readers inside the world of these marvelous insects, exploring their physiology, behavior, ecology, evolution, and much more. *The Lives of Bees* is essential reading for nature lovers everywhere.

- Features a wealth of stunning color images
- Covers everything from the social lives of bees to their conservation
- Written by two leading experts in the field
- Discusses the cultural, ecological, and economic interconnections between humans and bees
- Highlights strategies to support bee populations in backyards, farms, and natural areas



### The Lives of Lichens – A Natural History

Robert Lücking

9780691247274

£30.00 • \$35.00 • Hardcover

Nature / Plants

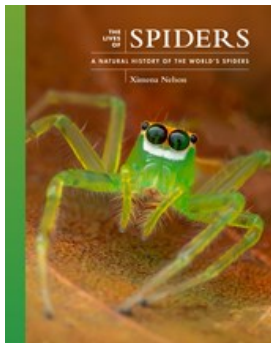
June 2024

Princeton University Press

#### A richly illustrated guide to lichens and their biology

Existing at the margins of life, lichens are the result of symbiotic relationships between fungi and photosynthesizing partners in the form of algae or cyanobacteria. Comprising more than twenty thousand species, lichens are pioneers in diverse ecosystems, colonizing virtually any surface and growing at almost any altitude. Found in rainforests, polar regions, deserts, and your backyard, lichens embody a paradox of toughness and sensitivity, surviving trips to space yet endangered by even the slightest environmental changes from industrial pollution here on Earth. Lichens grow everywhere, but only on their own terms: no one has ever fully assembled a lichen in the lab from its component parts. *The Lives of Lichens* explores all facets of these peculiar organisms, blending stunning macrophotography and graphics with in-depth coverage of profiled species to provide an unforgettable tour of the marvelous world of lichens.

- Features a wealth of color illustrations
- Covers symbiosis, biology, architecture, evolution, taxonomy, and much more
- Provides an up-close look at lichens in their ecosystems
- Discusses human relationships with lichens
- Essential reading for nature lovers everywhere



### The Lives of Spiders – A Natural History of the World's Spiders

Ximena Nelson

9780691255026

£30.00 • \$35.00 • Hardcover

Nature / Animals / Insects & Spiders

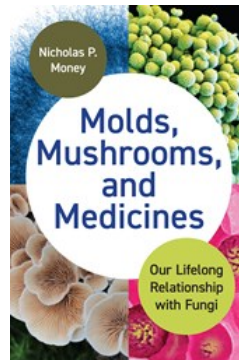
June 2024

Princeton University Press

#### A beautifully illustrated guide to the natural history and breathtaking diversity of spiders around the world

Spiders are dominant predators in virtually every terrestrial ecosystem on the planet. A marvel of evolution with species numbering in the tens of thousands, they have been walking the earth since before the dinosaurs. Spiders manipulate the silk strands of their webs to act as a sensory field, which vibrates across wide frequencies that they can read in detail, while young spiders spin silk lines that interact with the electrical fields in the atmosphere, enabling them to balloon across huge distances. Some spiders even gather in groups to impersonate ants in astonishing displays of collective mimicry. *The Lives of Spiders* explores these and other wonders, blending stunning imagery, lively writing, and the latest science to explore the natural history of the world's diverse arachnid life.

- Features a wealth of color illustrations
- Sheds invaluable light on the life history, ecology, and stunning diversity of spiders
- Covers silk and web building, venoms, predators and prey, mating and dancing, spider cognition, and much more
- Discusses the impacts of human activity on spiders



### Molds, Mushrooms, and Medicines – Our Lifelong Relationship with Fungi

Nicholas Money

9780691236308

£25.00 • \$29.95 • Hardcover

Science / Life Sciences / Mycology

March 2024

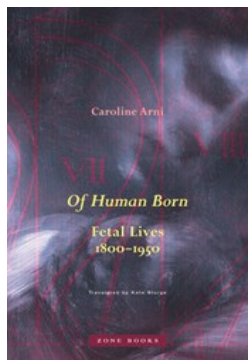
Princeton University Press

#### The hidden role of fungi inside and all around us

From beneficial yeasts that aid digestion to toxic molds that cause disease, we are constantly navigating a world filled with fungi. *Molds, Mushrooms, and Medicines* explores the amazing ways fungi interact with our bodies, showing how our health and well-being depend on an immense ecosystem of yeasts and molds inside and all around us.

Nicholas Money takes readers on a guided tour of a marvelous unseen realm, describing how our immune systems are engaged in continuous conversation with the teeming mycobiome inside the body, and how we can fall prey to serious and even life-threatening infections when this peaceful coexistence is disturbed. He also sheds light on our complicated relationship with fungi outside the body, from wild mushrooms and cultivated molds that have been staples of the human diet for millennia to the controversial experimentation with magic mushrooms in the treatment of depression.

Drawing on the latest advances in mycology, *Molds, Mushrooms, and Medicines* reveals what scientists are learning about the importance of fungi to our lives, from their vital role in supporting the ecosystems on which we depend to their emerging uses in lifesaving medicine.



### Of Human Born – Fetal Lives, 1800–1950

Caroline Arni

9781942130895

£28.00 • \$34.00 • Hardcover

Science / Life Sciences / Developmental

Biology

May 2024

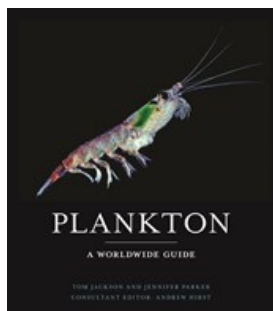
Princeton University Press

#### A new history of the concept of fetal life in the human sciences

At a time when the becoming of a human being in a woman's body has, once again, become a fraught issue—from abortion debates and surrogacy controversies to prenatal diagnoses and assessments of fetal risk—*Of Human Born* presents the largely unknown history of how the human sciences came to imagine the unborn in terms of “life before birth.”

Caroline Arni shows how these sciences created the concept of “fetal life” by way of experimenting on animals, pregnant women, and newborns; how they worried about the influence of the expectant mother's living conditions; and how they lingered on the question of the beginnings of human subjectivity. Such were the concerns of physiologists, pediatricians, psychologists, and psychoanalysts as they advanced the novel discipline of embryology while, at the same time, grappling with age-old questions about the coming-into-being of a human person. *Of Human Born* thus draws attention to the fundamental way in which modern approaches to the unborn have been intertwined with the configuration of “the human” in the age of scientific empiricism.

Arni revises the narrative that the “modern embryo” is quintessentially an embryo disembedded from the pregnant woman's body. On the contrary, she argues that the concept of fetal life cannot be separated from its dependency on the maternal organism, countering the rhetorical discourses that have fueled the recent rollback of abortion rights in the United States.



### Plankton – A Worldwide Guide

Tom Jackson

9780691255996

£25.00 • \$29.95 • Hardcover

Nature / Animals / Marine Life

April 2024

Princeton University Press

#### A richly illustrated guide to the marvelously diverse plankton of the world and their fundamental role in planetary food webs

Plankton are the unsung heroes of planet Earth. Passive drifters through the world's seas, oceans, and freshwater environments, most are invisible or very small, but some are longer than a whale. They are the global ocean's foundation food, supporting almost all oceanic life, and they are also vitally important for land-based plants, animals, and other organisms. *Plankton* provides an incomparable look at these remarkable creatures, opening a window on the elegance and grace of microscopic marine life.

This engaging book reveals the amazing diversity of plankton, how they belong to a wide range of living groups, and how their ecology, lifestyles, and adaptations have evolved to suit an enormous range of conditions. It looks at plankton life cycles, the different ways plankton feed and grow, and the vast range of strategies they use for reproduction. It tracks where, how, and why plankton drift through the water; shares perspectives on migrations and population explosions or “blooms” and why they happen; and discusses the life-sustaining role of plankton in numerous intertwined food webs throughout the world.

Beautifully illustrated, *Plankton* sheds critical light on how global warming, pollution, diminishing resources, and overexploitation will adversely impact planktonic life, and how these effects will reverberate to every corner of our planet.



### Piping Hot Bees and Boisterous Buzz-Runners – 20 Mysteries of Honey Bee Behavior Solved

Thomas D. Seeley

9780691237695

£25.00 • \$29.95 • Hardcover

Nature / Animals / Insects & Spiders

April 2024

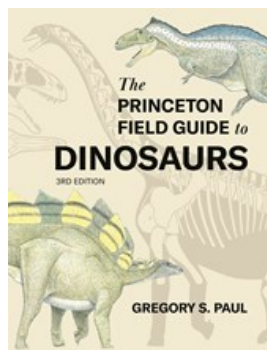
Princeton University Press

#### A biologist's up-close account of how he and fellow biologists cracked long-standing puzzles about honey bee behavior

*Piping Hot Bees and Boisterous Buzz-Runners* takes readers inside a world seldom seen even by beekeepers, shedding light on twenty of the most compelling mysteries of honey bee behavior.

Thomas Seeley has devoted a lifetime to the study of honey bees and their colonies, unraveling the secrets of these wondrous insects in a career spanning six decades. In this book, he weaves illuminating personal stories with the latest science, explaining such mysteries as how worker bees function as scouts to choose a home site for their colony, furnish their home with beeswax combs, and stock it with brood and food while keeping tens of thousands of colony inhabitants warm and defended from intruders. Along the way, he shares the experiences that drew him to these studies, the small observations that led to big breakthroughs, and the sense of excitement that came with probing each mystery.

Richly illustrated, *Piping Hot Bees and Boisterous Buzz-Runners* provides a rare look at how a singularly passionate scientist and his colleagues deciphered the pipings, shakings, and puzzling tremble dances of honey bees, and how this journey of scientific discovery continues to shape our understanding of these remarkably intelligent and vitally important insects.



### The Princeton Field Guide to Dinosaurs, Third Edition

Gregory S. Paul

9780691231570

£35.00 • \$39.95 • Hardcover

Nature / Animals / Dinosaurs & Prehistoric

Creatures

May 2024

Princeton University Press

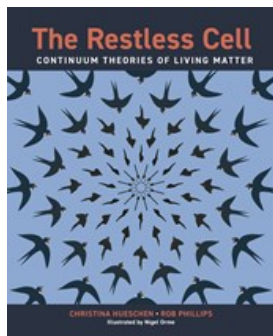
#### A fully updated and expanded edition of the acclaimed, bestselling dinosaur field guide

The bestselling *Princeton Field Guide to Dinosaurs* remains the must-have book for anyone who loves dinosaurs, from amateur enthusiasts to professional paleontologists. Now extensively revised and expanded, this dazzlingly illustrated large-format edition features nearly 100 new dinosaur species and hundreds of new and updated illustrations, bringing readers up to the minute on the latest discoveries and research that are radically transforming what we know about dinosaurs and their world.

Written and illustrated by acclaimed dinosaur expert Gregory Paul, this stunningly beautiful book includes detailed species accounts of all the major dinosaur groups as well as a wealth of breathtaking images—skeletal drawings, “life” studies, scenic views, and other illustrations that depict the full range of dinosaurs, from small feathered creatures to whale-sized supersauropods. Paul's extensive introduction delves into dinosaur history and biology, the extinction of nonavian dinosaurs, the origin of birds, and the history of dinosaur paleontology, and also gives a taste of what it might be like to travel back in time to the era when dinosaurs roamed the earth.

- Now covers more than 800 dinosaur species, including scores of newly discovered ones
- Provides startling perspectives on the famed *Brontosaurus* and *Tyrannosaurus*
- Reveals that the largest dinosaurs weighed as much as the biggest whales, and shows why that happened





### The Restless Cell – Continuum Theories of Living Matter

Christina Hueschen

9780691236360

£70.00 • \$85.00 • Hardcover

Science / Life Sciences / Biophysics

August 2024

Princeton University Press

**An essential introduction to the physics of active matter and its application to questions in biology**

In recent decades, the theory of active matter has emerged as a powerful tool for exploring the differences between living and nonliving states of matter. *The Restless Cell* provides a self-contained, quantitative description of how the continuum theory of matter has been generalized to account for the complex and sometimes counterintuitive behaviors of living materials.

Christina Hueschen and Rob Phillips begin by illustrating how classical field theory has been used by physicists to describe the transport of matter by diffusion, the elastic deformations of solids, and the flow of fluids. Drawing on physical insights from the study of diffusion, they introduce readers to the continuum theory protocol—a step-by-step framework for developing equations that describe matter as a continuum—and show how these methods and concepts can be generalized to the study of living, energy-consuming matter. Hueschen and Phillips then present a range of engaging biological case studies across scales, such as the symmetry breaking that occurs in developing embryos, the perpetual flows that take place in giant algal cells, and the herding of wildebeest on the plains of the Serengeti.

An essential resource for students and researchers in biological physics and quantitative biology, *The Restless Cell* gives complete derivations of all calculations and features illustrations by Nigel Orme that seamlessly bridge conceptual models and continuum descriptions of living matter.



### Sharkpedia – A Brief Compendium of Shark Lore

Daniel C. Abel

9780691252612

£10.99 • \$17.95 • Hardcover

Nature / Animals / Marine Life

May 2024

Princeton University Press

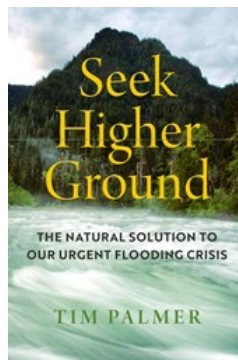
**A fun, pocket-size A–Z treasury about sharks, featuring fascinating, little-known facts and captivating illustrations**

*Sharkpedia* is an entertaining and enlightening celebration of sharks featuring close to 100 entries, based on the latest knowledge and enriched by original illustrations. Avoiding tired factoids, shark authority Daniel Abel gives new bite to essential information about sharks, including their adaptations as top predators, 450-million-year evolution, behavioral complexity, ecological importance, existential threats, and often sensationalized appearances in popular culture, from *Jaws* to Shark Week.

The notion that sharks are insatiable killing machines is a toothless myth—yet the fear of shark attacks still holds on to many people like a set of locked jaws. *Sharkpedia* reveals that sharks are much less to be feared—and much more interesting, complicated, and important—than many realize. Filled with compelling stories, *Sharkpedia* debunks shark myths (for example, that sharks are large and coastal when in fact most are small and inhabit the deep sea), describes their lives (where and how long they live, how many offspring they have, what they eat, and how their bodies function), introduces a variety of iconic and obscure species (such as the Happy Eddie Shyshark), explores our love/hate relationship with sharks, and much more.

With charming drawings by leading shark artist Marc Dando, *Sharkpedia* is a scientific and cultural treasure trove that will leave you with new insights about these remarkable animals. Dive in!

- Features a cloth cover with an elaborate foil-stamped design



### Seek Higher Ground – The Natural Solution to Our Urgent Flooding Crisis

Tim Palmer

9780520382732

£24.00 • \$27.95 • Hardcover

Nature / Environmental Conservation & Protection

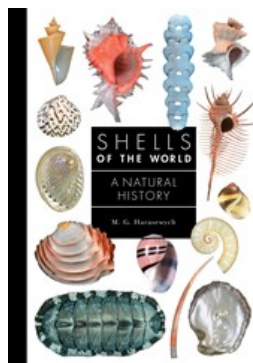
April 2024

University of California Press

**Pairing in-depth journalism with historical perspectives, this book makes a compelling case for a natural solution to the growing problem of flooding.**

With *Seek Higher Ground*, environmental writer and former land-use planner Tim Palmer explores the legacy of flooding in America, taking a fresh look at the emerging climatic, economic, and ecological realities of our rivers and communities. Global warming is forecast to sharply intensify flooding, and this book urges that we reduce future damage in the most effective, efficient, and equitable ways possible.

Through historical narrative, rigorous reporting, and decades of vivid personal experience, Palmer details how our society's approach to flood control has been infamously inadequate and chronically counterproductive. He builds a powerful argument for both the protection of floodplain open space and for programs that help people voluntarily relocate their homes away from high-water hazards. Only by recognizing the indomitable forces of nature—and adapting to them—can we thrive in the challenging climate to come.



### Shells of the World – A Natural History

M. G. Harasewych

9780691248271

£25.00 • \$29.95 • Hardcover

Nature / Seashells

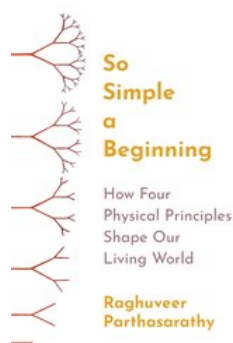
April 2024

Princeton University Press

**A marvelously illustrated natural history of the world's mollusks**

Mollusks are invertebrate animals with a remarkable natural history and a rich fossil record, and their shells are prized for their breathtaking variety and exquisite beauty. *Shells of the World* provides a wide-ranging look at the incredible diversity of marine mollusks. An informative introduction outlines the lineages covered, followed by a directory section, split into classes, that profiles a broad selection of different taxa to give a sense of their sheer numbers and variety.

- Features hundreds of beautiful color photos, depicting both the live animals and their shells
- Discusses mollusk evolution, anatomy, life cycles, behavior, and ecology
- Describes unique characteristics, distribution, habitat, and size
- Provides valuable insights into the conservation of the world's marine mollusks
- Ideal for malacologists and shell collectors everywhere



### So Simple a Beginning – How Four Physical Principles Shape Our Living World

Raghuveer Parthasarathy

9780691258676

£18.99 • \$22.95 • Paperback

Science / Life Sciences / Biophysics

May 2024

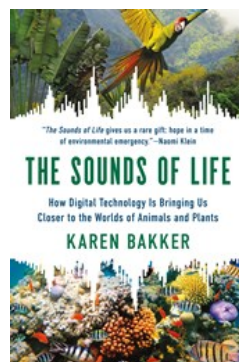
Princeton University Press

#### A biophysicist reveals the hidden unity behind nature's breathtaking complexity

The form and function of a sprinting cheetah are quite unlike those of a rooted tree. A human being is very different from a bacterium or a zebra. The living world is a realm of dazzling variety, yet a shared set of physical principles shapes the forms and behaviors of every creature in it. *So Simple a Beginning* shows how the emerging new science of biophysics is transforming our understanding of life on Earth and enabling potentially lifesaving but controversial technologies such as gene editing, artificial organ growth, and ecosystem engineering.

Raghuveer Parthasarathy explains how four basic principles—self-assembly, regulatory circuits, predictable randomness, and scaling—shape the machinery of life on scales ranging from microscopic molecules to gigantic elephants. He describes how biophysics is helping to unlock the secrets of a host of natural phenomena, such as how your limbs know to form at the proper places, and why humans need lungs but ants do not. Parthasarathy explores how the cutting-edge biotechnologies of tomorrow could enable us to alter living things in ways both subtle and profound.

Featuring dozens of original watercolors and drawings by the author, this sweeping tour of biophysics offers astonishing new perspectives on how the wonders of life can arise from so simple a beginning.



### The Sounds of Life – How Digital Technology Is Bringing Us Closer to the Worlds of Animals and Plants

Karen Bakker

9780691240978

£17.99 • \$21.95 • Paperback

Nature / Animals

May 2024

Princeton University Press

#### An amazing journey into the hidden realm of nature's sounds

The natural world teems with remarkable conversations, many beyond human hearing range. Scientists are using groundbreaking digital technologies to uncover these astonishing sounds, revealing vibrant communication among our fellow creatures across the Tree of Life.

At once meditative and scientific, *The Sounds of Life* shares fascinating and surprising stories of nonhuman sound, interweaving insights from technological innovation and traditional knowledge. We meet scientists using sound to protect and regenerate endangered species from the Great Barrier Reef to the Arctic and the Amazon. We discover the shocking impacts of noise pollution on both animals and plants. We learn how artificial intelligence can decode nonhuman sounds, and meet the researchers building dictionaries in East African Elephant and Sperm Whalish. At the frontiers of innovation, we explore digitally mediated dialogues with bats and honeybees. Technology often distracts us from nature, but what if it could reconnect us instead?

*The Sounds of Life* offers hope for environmental conservation and affirms humanity's relationship with nature in the digital age. After learning about the unsuspected wonders of nature's sounds, we will never see walks outdoors in the same way again.



### Trees of Britain and Ireland

Jonathan Stokes

9780691224169

£20.00 • \$24.95 • Paperback

Nature / Plants / Trees

April 2024

Princeton University Press

#### A comprehensive photographic identification guide to all of the native trees and shrubs of Great Britain and Ireland and many of the common non-native species

*Trees of Britain and Ireland* is packed with practical information, photos and illustrations that will help you identify trees throughout the year. It covers all of Great Britain and Ireland's native trees and shrubs as well as a range of ornamental and widely planted trees from other areas of the world. This guide also offers an overview of tree biology and ecology, describes the importance of trees as habitats and presents a brief history of British and Irish treescapes.

- Includes more than 1,000 photographs and 200 illustrations showing key identification features of each tree and highlighting some of the animals, plants, fungi and lichens that depend on it
- Covers all 111 native trees and shrubs, including all 42 currently recognised Whitebeam species, as well as 148 common non-native species and subspecies
- Features keys that allow easy, accurate comparison of similar species, up-to-date distribution maps and charts that summarise when trees flower, fruit and leaf
- Explains how you can help with practical tree conservation



### The Trilobite Collector's Guide

Andy Secher

9780231213806

£50.00 • \$59.95 • Hardcover

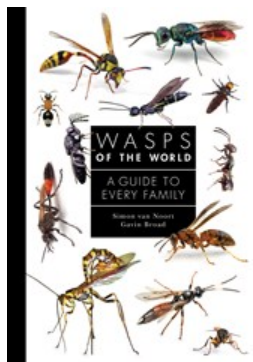
Nature / Fossils

February 2024

Columbia University Press

For more than 250 million years, the primeval oceans of the Paleozoic teemed with trilobites. These hardy invertebrates evolved into an astonishing array of separate species—more than 25,000 at last count—and much remains unknown about these once-ubiquitous creatures. Fossil enthusiasts are captivated by trilobites' diversity and adaptability, enthralled by the possibility of catching a glimpse of a transcendently strange past.

Andy Secher—one of the most prolific trilobite collectors in the world—takes readers on an entertaining and enlightening journey to the distant epoch when these ancient arthropods swarmed through the seas. *The Trilobite Collector's Guide* presents a series of "Top Ten" lists covering everything from celebrated Cambrian localities and world-class fossil shows to invaluable collecting tips and ways to spot a fake trilobite. These brisk and often witty chapters enumerate trilobites in all their beauty and strangeness, from the most common to the ridiculously rare, the outrageously old to the last in line. *The Trilobite Collector's Guide* showcases more than 350 full-color photographs, mostly of stunning specimens from Secher's personal collection, that put trilobites' staggering variety and complexity on full display. Engaging and informative, this book lets readers see the world of trilobites as it's never been seen before.



### Wasps of the World – A Guide to Every Family

Simon van Noort

9780691238548

£25.00 • \$29.95 • Hardcover

Nature / Animals / Insects & Spiders

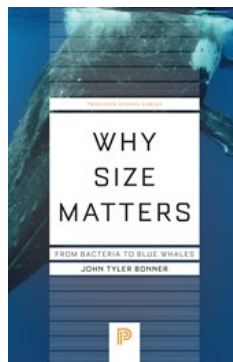
February 2024

Princeton University Press

#### A richly illustrated guide to wasps around the world

Wasps have been around since before the dinosaurs and are one of the world's largest insect groups. More than 150,000 species have been identified, and while the black-and-yellow insect with a cinched waist may be the most familiar, most wasps are tiny parasitoids that use other insects for food. *Wasps of the World* provides a breathtaking look at the diverse characteristics, habitats, and lifestyles of these extraordinary insects.

- Features more than 250 stunning color photos of numerous species
- Profiles more than 100 families, with absorbing commentary detailing the range, habits, and notable features of members of each family
- Every profile includes a distribution map and a table of essential facts about size, diet, reproduction, and habitats
- Discusses the evolution and biology of wasps, exploring the vital role they play in supporting healthy ecosystems
- Shows how scientific research is expanding our knowledge about wasps and their behavior



### Why Size Matters – From Bacteria to Blue Whales

John Tyler Bonner

9780691254401

£13.99 • \$16.95 • Paperback

Science / Life Sciences / Evolution

January 2024

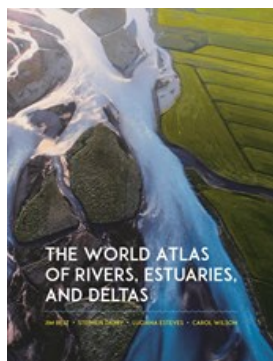
Princeton University Press

John Tyler Bonner, one of our most distinguished and creative biologists, here offers a completely new perspective on the role of size in biology. In his hallmark friendly style, he explores the universal impact of being the right size. By examining stories ranging from Alice in Wonderland to Gulliver's Travels, he shows that humans have always been fascinated by things big and small. Why then does size always reside on the fringes of science and never on the center stage? Why do biologists and others ponder size only when studying something else—running speed, life span, or metabolism?

*Why Size Matters*, a pioneering book of big ideas in a compact size, gives size its due by presenting a profound yet lucid overview of what we know about its role in the living world. Bonner argues that size really does matter—that it is the supreme and universal determinant of what any organism can be and do. For example, because tiny creatures are subject primarily to forces of cohesion and larger beasts to gravity, a fly can easily walk up a wall, something we humans cannot even begin to imagine doing.

Bonner introduces us to size through the giants and dwarfs of human, animal, and plant history and then explores questions including the physics of size as it affects biology, the evolution of size over geological time, and the role of size in the function and longevity of living things.

As this elegantly written book shows, size affects life in its every aspect. It is a universal frame from which nothing escapes.



### The World Atlas of Rivers, Estuaries, and Deltas

Jim Best

9780691244839

£50.00 • \$60.00 • Hardcover

Nature / Ecosystems & Habitats / Rivers

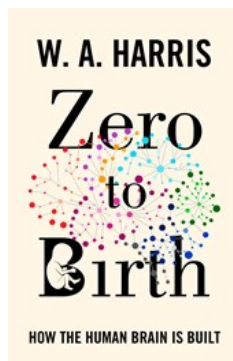
May 2024

Princeton University Press

#### A stunningly illustrated atlas of the world's rivers, estuaries, and deltas, and their ecosystems

From the Congo and the Mekong to the Seine and the Mississippi, Earth's rivers carve through landscapes before coursing into the world's oceans through estuaries and deltas. Their inexorable flow carries sediment and more, acting as lifeblood for a variety of ecosystems and communities. More than any other surface feature of Earth, rivers, estuaries, and deltas are vitally important to our economic and social well-being, and our management of them often sits at the sharp edge of today's most pressing environmental challenges. *The World Atlas of Rivers, Estuaries, and Deltas* takes readers on an unforgettable tour of these dynamic bodies of water, explaining how they function at each stage of their flow. Combining maps and graphics with informative essays and beautiful photos, this invaluable reference book will give you a new appreciation for the power that rivers, estuaries, and deltas wield.

- Features a wealth of color photos, maps, and infographics
- Brings together invaluable perspectives from leading experts
- Describes the rich biodiversity associated with the world's rivers, estuaries, and deltas
- Explains how rivers, estuaries, and deltas work, from river networks to deltaic floodplains, and sheds light on the erosion, movement, and deposition of sediment
- Describes the anatomy of rivers, estuaries, and deltas, from channel geometry and river planforms to estuarine shape and delta morphology
- Examines the ecology and ecosystems of rivers, estuaries, and deltas and how humans interact with these environments



### Zero to Birth – How the Human Brain Is Built

William A. Harris

9780691253947

£16.99 • \$19.95 • Paperback

Science / Life Sciences / Neuroscience

January 2024

Princeton University Press

#### A revelatory tale of how the human brain develops, from conception to birth and beyond

By the time a baby is born, its brain is equipped with billions of intricately crafted neurons wired together through trillions of interconnections to form a compact and breathtakingly efficient supercomputer. *Zero to Birth* takes you on an extraordinary journey to the very edge of creation, from the moment of an egg's fertilization through each step of a human brain's development in the womb—and even a little beyond.

As pioneering experimental neurobiologist W. A. Harris guides you through the process of how the brain is built, he takes up the biggest questions that scientists have asked about the developing brain, describing many of the thrilling discoveries that were foundational to our current understanding. He weaves in a remarkable evolutionary story that begins billions of years ago in the Proterozoic eon, when multicellular animals first emerged from single-cell organisms, and reveals how the growth of a fetal brain over nine months reflects the brain's evolution through the ages. Our brains have much in common with those of other animals, and Harris offers an illuminating look at how comparative animal studies have been crucial to understanding what makes a human brain human.

An unforgettable chronicle of one of nature's greatest achievements, *Zero to Birth* describes how the brain's incredible feat of orchestrated growth ensures that every brain is unique, and how breakthroughs at the frontiers of science are helping us to decode many traits that only reveal themselves later in life.





### Animals of the Serengeti – And Ngorongoro Conservation Area

Adam Scott Kennedy

9780691159089

£25.00 • \$29.95 • Paperback

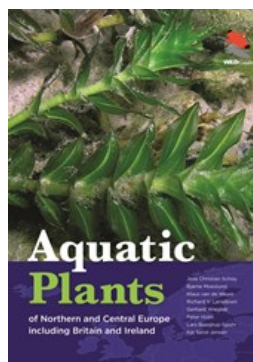
Nature / Animals

January 2014

Princeton University Press – WILDGuides

Containing 146 stunning color photos, *Animals of the Serengeti* is a remarkable look at the mammals and reptiles most likely to be encountered in the world-famous Serengeti National Park and Ngorongoro Crater. With an eye-catching layout, accessible text, and easy-to-use format, this detailed photographic guide includes 89 species of mammal and reptile. Useful "Top Tips"—shared by local Tanzanian guides that work in the region—provide visitors with insights into behavioral habits and how to locate specific animals. Filled with vivid anecdotes, *Animals of the Serengeti* will enable any safari traveler to identify the area's wildlife with ease.

- Covers the 89 species likely to be encountered in Tanzania's Serengeti National Park and Ngorongoro Conservation Area
- Features male and female variations
- Accessible text aimed at safari visitors of all levels



### Aquatic Plants of Northern and Central Europe including Britain and Ireland

Jens Christian Schou

9780691251011

£95.00 • \$115.00 • Hardcover

Nature / Plants / Aquatic

October 2023

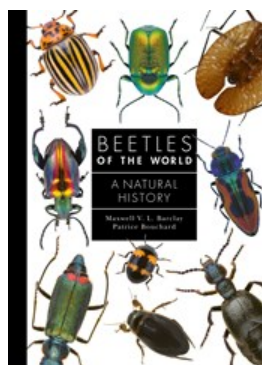
Princeton University Press

#### The first comprehensive guide to the aquatic plants of the region

Beneath the surface of bodies of freshwater—springs, streams, rivers, ponds and lakes—there is a world of plants of great variety and beauty, a realm that is often poorly known and understood. Correctly identified, these plants can tell us much about the character and condition of the habitats in which they live. A collaboration of Danish, German, and British field botanists specializing in freshwater plants, this guide presents all of the known aquatic plants of Northern and Central Europe, including Britain and Ireland, as well as many marginal and wetland species.

This is the first comprehensive guide to the identification of the region's 410 species and hybrids of both native and non-native ferns and flowering plants that are dependent upon freshwater wetlands. Following the latest taxonomy, the book features 358 plates in pen and ink, more than 1,400 colour photographs, illustrated keys, distribution maps and detailed descriptions. The introduction gives an overview of evolution, anatomy and morphology, ecology, eco-physiology, research traditions and more, and the book also includes guidelines for working with aquatic plants.

- The first comprehensive guide to the region's aquatic plants
- Covers all 410 known species
- Features 358 illustrated plates, more than 1,400 colour photographs, distribution maps, detailed descriptions and much more



### Beetles of the World – A Natural History

Maxwell V. L. Barclay

9780691240732

£25.00 • \$29.95 • Hardcover

Nature / Animals / Insects & Spiders

August 2023

Princeton University Press

#### A richly illustrated guide to the astonishing variety of beetles around the world

Beetles make up about a quarter of known animal species and are arguably the most diverse group of organisms on Earth: almost 400,000 species have been formally described so far, and it is likely that this number merely scratches the surface. In *Beetles of the World*, Maxwell Barclay and Patrice Bouchard—two of the world's foremost beetle experts—celebrate these remarkable creatures in all their variety, from their size and appearance to their ecological importance.

Providing concise accounts of all the major families and subfamilies of Coleoptera, *Beetles of the World* explores beetle anatomy, life cycle, fossil history, feeding habits, role in the food web, habitats, relationship with humans, and classification—as well as the essential part that beetles play in the global ecosystem, and the ways humans can help protect them.

- Features 300 stunning color photographs
- Presents family profiles with a distribution map, table of information, and commentary
- Includes a comprehensive introduction that provides insight into the astonishing diversity of beetles and their histories



### Birdpedia – A Brief Compendium of Avian Lore

Christopher W. Leahy

9780691209661

£10.99 • \$16.95 • Hardcover

Nature / Animals / Birds

July 2021

Princeton University Press

#### A captivating A–Z treasury about birds and birding

*Birdpedia* is an engaging illustrated compendium of bird facts and birding lore. Featuring nearly 200 entries—on topics ranging from plumage and migration to birds in art, literature, and folklore—this enticing collection is brimming with wisdom and wit about all things avian.

Christopher Leahy sheds light on "hawk-watching," "twitching," and other rituals from the sometimes mystifying world of birding that entail a good deal more than their names imply. He explains what kind of bird's nests you can eat, why mocking birds mock, and many other curiosities that have induced otherwise sane people to peer into treetops using outrageously expensive optical equipment. Leahy shares illuminating insights about pioneering ornithologists such as John James Audubon and Florence Bailey, and describes unique bird behaviors such as anting, caching, duetting, and mobbing. He discusses avian fossils, the colloquial naming of birds, the science and history of ornithology, and more. The book's convenient size makes it the perfect traveling companion to take along on your own avian adventures.

With charming illustrations by Abby McBride, *Birdpedia* is a marvelous mix of fact and fancy that is certain to delight seasoned birders and armchair naturalists alike.

- Features a cloth cover with an elaborate foil-stamped design





### Britain's Birds – An Identification Guide to the Birds of Great Britain and Ireland Second Edition, fully revised and updated

Rob Hume  
9780691199795  
£20.00 • \$35.00 • Paperback  
Nature / Animals / Birds  
May 2020  
Princeton University Press – WILDGuides

**A new, improved and thoroughly updated edition of the bestselling photographic guide—the only one to cover every bird, in every plumage, ever recorded in Britain and Ireland**

A bestselling guide since it was first published, *Britain's Birds* has quickly established itself as the go-to photographic identification guide to the birds of Great Britain and Ireland—the most comprehensive, up-to-date, practical and user-friendly book of its kind. Acclaimed by birdwatchers of all kinds, from the beginner to the most experienced, the guide has now been thoroughly revised and updated to make it even better than before. Combining the finest of identification guide content and presentation, this eagerly awaited second edition preserves the best of the first edition while covering twelve newly recorded species and offering a host of improvements that make identification easier.

- Provides comprehensive coverage of all the birds ever recorded in Britain and Ireland
- Describes and illustrates all plumages likely to be encountered
- Features more than 3,200 stunning photographs carefully selected to show the birds as you really see them
- Outlines simple steps to help you identify any bird you see
- Presents simple and accurate comparisons of similar and difficult species

New features include:

- Coverage of 12 new species recorded since the first edition plus revisions to reflect the latest taxonomy
- Coverage of all subspecies



### Britain's Day-flying Moths – A Field Guide to the Day-flying Moths of Great Britain and Ireland, Fully Revised and Updated Second Edition

David Newland  
9780691197289  
£17.99 • \$23.95 • Paperback  
Nature / Animals / Butterflies & Moths  
July 2019  
Princeton University Press – WILDGuides

**A carefully designed and beautifully illustrated photographic guide to the moths you are most likely to see during the day**

This concise photographic field guide helps you to identify the day-flying moths most likely to be seen in Great Britain and Ireland. It combines stunning photographs, clear and authoritative text and an easy-to-use design to increase your knowledge and enjoyment of these intriguing and often colourful insects. Like butterflies, some moths fly regularly in sunshine, whereas others that usually fly at night are readily disturbed from their resting places during the day. This guide describes all of these species and features at least one photograph of each in its natural, resting pose. A brief description of each moth covers the key identification features and when and where to look for it, and includes information on its status, life history, special features and caterpillar food plants. Other sections explain how to distinguish moths from butterflies, and also provide essential information on biology, classification, habitats, gardening for moths, conservation and legislation and recording and monitoring.

- Individual accounts for 158 species and photos of 28 others
- More than 320 stunning photos, with every moth shown as you see it
- Beautifully designed, easy to use and clearly written



### Britain's Butterflies – A Field Guide to the Butterflies of Great Britain and Ireland – Fully Revised and Updated Fourth Edition

David Newland  
9780691205441  
£17.99 • \$24.95 • Paperback  
Nature / Animals / Butterflies & Moths  
August 2020  
Princeton University Press – WILDGuides

**A new and improved edition of the popular photographic field guide**

*Britain's Butterflies* is a comprehensive and beautifully designed photographic field guide to the butterflies of Britain and Ireland. Containing hundreds of stunning colour photographs, this extensively revised and updated new edition provides the latest information on every species ever recorded. It covers in detail the identification of all 59 butterfly species that breed regularly, as well as four former breeders, 10 rare migrants and one species of unknown status. The easy-to-use format will enable butterfly watchers—beginners or experts—to identify any species they encounter. Produced in association with Butterfly Conservation, this edition features new introductory sections to the main "types" of butterflies; updated distribution maps; a revised species order reflecting the latest taxonomy; revised sections on recording and monitoring, and conservation and legislation; and a new section on climate change.

- Stunning colour plates show typical views of each butterfly species, including the various forms and common aberrations
- Detailed species profiles provide information on status and distribution, including up-to-date maps, and cover adult identification; behaviour; breeding habitat requirements; population and conservation; egg, caterpillar and chrysalis; and caterpillar foodplants
- Photographs of the egg, caterpillar and chrysalis for every breeding species
- Sections on biology, where to look for and how to identify butterflies, and other essential information



### Britain's Dragonflies – A Field Guide to the Damselflies and Dragonflies of Great Britain and Ireland – Fully Revised and Updated Fourth Edition

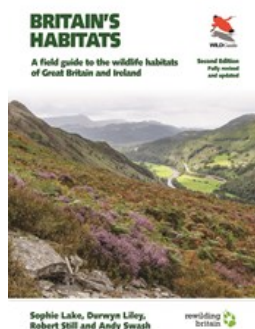
Dave Smallshire  
9780691181417  
£17.99 • \$23.95 • Paperback  
Nature / Animals / Insects & Spiders

**A fully revised, comprehensive photographic field guide to the dragonflies of Britain and Ireland**

*Britain's Dragonflies* is the only comprehensive photographic field guide to the damselflies and dragonflies of Great Britain and Ireland. Written by two of Britain's foremost Dragonfly experts, this fully revised and updated fourth edition features hundreds of stunning images and identification charts covering all 57 resident, migrant and former breeding species, and six potential vagrants. The book focuses on the identification of both adults and larvae, highlighting the key features. Detailed species profiles provide concise information on identification, distribution, flight periods, behaviour, habitat, status and conservation. Other sections cover biology; how to watch, photograph, record and monitor Dragonflies; conservation status and legislation; and introduced exotic species.

This redesigned, updated and expanded edition features:

- Beautiful colour plates showing males, females, immatures and all colour forms for every species
- Over 500 stunning photographs, many of which are new, and more than 550 illustrations
- Up-to-date species profiles and distribution maps
- Detailed, easy-to-use identification charts for adults and larvae



### Britain's Habitats – A Field Guide to the Wildlife Habitats of Great Britain and Ireland – Fully Revised and Updated Second Edition

Sophie Lake  
9780691203591  
£25.00 • \$35.00 • Paperback  
Nature / Ecosystems & Habitats  
October 2020  
Princeton University Press – WILDGuides

**A comprehensive and lavishly illustrated photographic guide—now in a handy field-guide format**

This lavishly illustrated photographic guide provides a comprehensive overview of the natural history of wildlife habitats in Britain and Ireland. Now completely redesigned in a handy field-guide format, and featuring revised and updated text throughout, this new edition of *Britain's Habitats* guides readers through all the main habitat types, presenting information on their characteristics, extent, geographical variation, key species, cultural importance, origins and conservation. It aims to help visitors to the countryside recognize the habitats around them, understand how they have evolved and what makes them special, and imagine how they might change in the future. This new edition includes updated maps and additional photographs throughout, and covers a new habitat—gardens. The perfect companion for anyone travelling in Britain and Ireland, the book is essential reading for all wildlife enthusiasts, professional ecologists and landscape architects.

- Individual sections on all the main habitat types found in Britain and Ireland
- More than 680 evocative colour photographs, including images from around Britain and Ireland in all seasons
- Details and photographs of key species and features associated with the different habitats
- Up-to-date information—including maps—on the distribution, extent and importance of all habitat types
- Features new to this edition include a field-guide format, updated maps, more photographs throughout and coverage of an additional habitat—gardens



### Britain's Mammals Updated Edition – A Field Guide to the Mammals of Great Britain and Ireland

Dominic Couzens  
9780691224718  
£17.99 • \$23.95 • Paperback  
Nature / Animals / Mammals  
June 2021  
Princeton University Press – WILDGuides

**A comprehensive photographic field guide to the mammals of Great Britain and Ireland**

*Britain's Mammals* is a comprehensive and beautifully designed photographic field guide to all the mammals recorded in the wild in Great Britain and Ireland in recent times—including marine mammals, bats and introduced species that have bred. The book features 500 stunning photographs and incorporates invaluable tips and suggestions to help you track down and identify even the most difficult species.

This easy-to-use book provides an introduction to the different types of mammal. Concise species accounts focus on identification, and include up-to-date information on sounds, habitat, food, habits, breeding behaviour, and population and status, as well as descriptions of key field signs—including tracks, droppings and nests—that give away the presence of mammals even when they are out of sight. Guidance is also provided on ways of studying and observing mammals—including small-mammal trapping, bat detecting and whale watching. In addition, the book contains sections on mammal conservation, legislation and further sources of useful information. Handy and informative, this guide is the ideal companion for anyone interested in watching mammals in Great Britain and Ireland.

- Comprehensive coverage of all 126 mammal species recorded
- 500 superb colour photographs carefully selected to show key identification features
- Up-to-date distribution maps
- Detailed illustrations of tracks, dentition and other identification features
- Helpful tips for identifying tracks and other signs you may encounter



### Britain's Insects – A Field Guide to the Insects of Great Britain and Ireland

Paul D. Brock  
9780691179278  
£25.00 • \$32.50 • Paperback  
Nature / Animals / Insects & Spiders  
June 2021  
Princeton University Press – WILDGuides

**The go-to photographic guide to Britain and Ireland's insects**

*Britain's Insects* is an innovative, up-to-date, carefully designed and beautifully illustrated field guide to Britain and Ireland's twenty-five insect orders, concentrating on popular groups and species that can be identified in the field. Featuring superb photographs of live insects, the guide covers the key aspects of identification and provides information on status, distribution, seasonality, habitat, food plants and behaviour. It also offers insight into the life history of the various insect groups, many of which are truly amazing. This is the go-to guide for entomologists, naturalists, gardeners, wildlife photographers and anyone else interested in insects, whatever their level of knowledge.

- More than 2,600 stunning photographs, carefully selected to show key identification features
- Photo guides to every insect order, covering 316 families and almost 850 genera
- Covers 1,653 species, of which 1,476 are illustrated
- Designed to allow easy, accurate comparison of similar species
- Up-to-date distribution maps and charts summarizing adult seasonality
- QR codes that link to sound recordings of grasshoppers and crickets
- Information on photographing and recording insects to help conservation



### Britain's Orchids – A Field Guide to the Orchids of Great Britain and Ireland

Sean Cole  
9780691177618  
£20.00 • \$25.95 • Paperback  
Nature / Plants / Flowers  
September 2020  
Princeton University Press – WILDGuides

**An accessible, comprehensive and beautifully illustrated guide—the only one to cover all the orchids found in Britain and Ireland**

Covering all fifty-one native species and twelve of uncertain origin, as well as hybrids and variants, *Britain's Orchids* is an engaging, intuitive and in-depth identification guide to all the orchids of Britain and Ireland at all stages of development, from first emergence to setting seed. Drawing on the authors' extensive field experience and the latest scientific research, the book uses multiple techniques to help both beginner and more advanced orchid enthusiasts to identify even the most difficult plants. It is beautifully illustrated with watercolour paintings by talented artist Sarah Stribbling, and features more than 1,200 evocative, instructive and detailed photographs. Orchids have long fired the imagination with their beauty and rarity. This book aims to ignite or increase your passion for these special plants, and for the conservation of their varied habitats—from remote mountaintops to urban wild spaces.

- The first book to cover all the species at all stages of development, as well as all subspecies, varieties and confirmed hybrids
- Lavishly illustrated with 98 beautiful watercolour plates
- More than 1,200 stunning photos showing the orchids in their natural settings and highlighting key identification features
- Simple, step-by-step system for identifying almost any orchid you encounter
- Up-to-date distribution maps and seasonal charts showing when each species can be seen in its various stages of development

**Sean Cole** is a field naturalist who has been studying orchids for more than twenty years, with special interests in identification, taxonomy and pollination. He has published many articles on

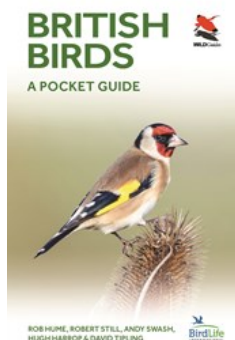


### Britain's Reptiles and Amphibians – A guide to the reptiles and amphibians of Great Britain, Ireland and the Channel Islands

Howard Inns  
9781903657256  
£17.99 • \$25.95 • Paperback  
Nature / Animals / Reptiles & Amphibians  
July 2011  
Princeton University Press – WILDGuides

This detailed guide to the reptiles and amphibians of Britain, Ireland, and the Channel Islands has been produced, with the collaboration of the Amphibian and Reptile Conservation Trust, with the aim of inspiring an increased level of interest in these exciting and fascinating animals. It is designed to help anyone who finds a lizard, snake, turtle, tortoise, terrapin, frog, toad, or newt to identify it with confidence.

- Stunning photography
- An easy-to-use approach to identification
- Superbly illustrated introductory sections on the biology and conservation, taxonomy, lifecycle, and behavior of each species group
- Profiles of the 16 native reptiles and amphibians that breed in Britain, Ireland, and the Channel Islands and the 5 marine turtles that visit Britain's seas
- Profiles of 7 established nonnative species and a summary of 8 more with a history of release/escape
- Distribution maps based on the latest available information
- Hints and tips on where, when, and how to watch reptiles and amphibians



### British Birds – A Pocket Guide

Rob Hume  
9780691181677  
£9.99 • \$12.99 • Paperback  
Nature / Birdwatching Guides  
August 2019  
Princeton University Press – WILDGuides

#### A carefully designed and lavishly illustrated photographic guide

This innovative and carefully designed photographic guide provides a concise introduction to the identification of the 246 birds most likely to be seen in Great Britain and Ireland. It is the perfect book for anyone wanting to put a name to the birds in their garden, local area or on visits farther afield. Packed with hundreds of stunning photos showing the birds in their many variations, and written and designed by a team of experienced birdwatchers, this is the ideal companion for anyone interested in learning more about the wild birds around us.

- Covers the 246 birds most likely to be seen, plus another 30 or so scarce but regular migrants
- Carefully designed to be user-friendly and accessible
- Lavishly illustrated with more than 1,000 stunning colour photographs
- Easy to use and written in plain English



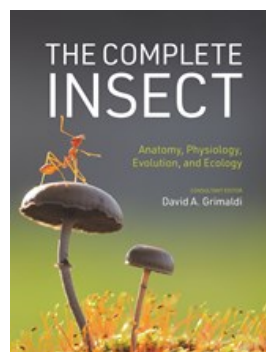
### Britain's Spiders – A Field Guide – Fully Revised and Updated Second Edition

Lawrence Bee  
9780691204741  
£25.00 • \$35.00 • Paperback  
Nature / Animals / Insects & Spiders  
August 2020  
Princeton University Press – WILDGuides

#### A comprehensively updated edition of an identification guide that was named a *Guardian* Best Nature Book of the Year

Now in a comprehensively revised and updated new edition, *Britain's Spiders* is a guide to all 38 of the British families, focussing on spiders that can be identified in the field. Illustrated with a remarkable collection of photographs, it is designed to be accessible to a wide audience, including those new to spider identification. This book pushes the boundaries of field identification for this challenging group, combining information on features that can be seen with the naked eye or a hand lens with additional evidence from webs, egg sacs, behaviour, phenology, habitats and distributions. Individual accounts cover 404 species—all of Britain's "macro" spiders and the larger money spiders, with the limitations to field identification clearly explained. This new edition includes nine species new to Britain, many recent name changes, updated distribution maps and species information, new guides to help identify spider families and distinctive species, and the latest species checklist.

- A guide to spider families, based on features recognizable in the field, focussing on body shape and other characteristics, as well as separate guides to webs and egg-sacs
- Detailed accounts and more than 700 stunning photographs highlight key identification features for each genus and species, and include information on status, behaviour and habitats
- Up-to-date distribution maps, and charts showing adult seasonality
- Introductory chapters on the biology of spiders, and where, when and how to find them, including equipment needed in the field



### The Complete Insect – Anatomy, Physiology, Evolution, and Ecology

9780691243108  
£30.00 • \$35.00 • Hardcover  
Nature / Animals / Insects & Spiders  
August 2023  
Princeton University Press

#### A beautifully illustrated exploration of the world's most extraordinary animals

With an astounding 3.5 million species occupying virtually every habitat on Earth, insects are one of the most diverse groups of animals on the planet, from the humble bee to the agile praying mantis. Taking you inside the extraordinary world of insects, *The Complete Insect* explores all aspects of the natural history of these remarkable creatures, providing a close-up look at their fascinating anatomy, physiology, evolution, ecology, behavior, and more. It features hundreds of stunning color photographs and illustrations and draws on a broad range of examples, from familiar ants to iridescent jewel beetles. A celebration of the rich complexity of insect life, *The Complete Insect* is a must-have book for insect enthusiasts and armchair naturalists.

- An absorbing, wide-ranging, and beautiful exploration of the fascinating natural history of insects
- Features a wealth of stunning full-color photographs from the field
- Includes photomicrographs and electron micrographs that offer a rare view of normally invisible structures
- Examines the complex relationship between humans and insects
- Integrates physiological adaptations with ecology and behavior





### Dinopedia – A Brief Compendium of Dinosaur Lore

Darren Naish  
9780691212029  
£10.99 • \$16.95 • Hardcover  
Nature / Animals / Dinosaurs & Prehistoric Creatures  
October 2021  
Princeton University Press

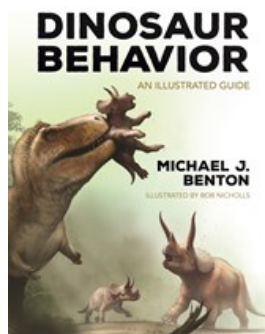
An illuminating and entertaining collection of dinosaur facts, from A to Z

*Dinopedia* is an illustrated, pocket-friendly encyclopedia of all things dinosaurian. Featuring dozens of entries on topics ranging from hadrosaur nesting colonies to modern fossil hunters and paleontologists such as Halszka Osmólska and Paul Sereno, this amazing A–Z compendium is brimming with facts about these thrilling, complex, and sophisticated animals.

Almost everything we know about dinosaurs has changed in recent decades. A scientific revolution, kick-started in the late 1960s by astounding new discoveries and a succession of new ideas, has shown that these magnificent creatures were marvels of evolution that surpassed modern reptiles and mammals in size, athletic abilities, and more. Darren Naish sheds invaluable light on our current, fast-changing understanding of dinosaur diversity and evolutionary history, and discusses the cultural impacts of dinosaurs through books, magazines, and movies. Naish also shows how our emerging view of these animals is very much a human story about ambition and competing egos, revealing that controversy and disagreement are commonplace in the vigorous field of dinosaur studies.

With a wealth of original illustrations by the author, *Dinopedia* is an informative and entertaining collection of lore for the dinosaur lover in all of us.

- Features a cloth cover with an elaborate foil-stamped design



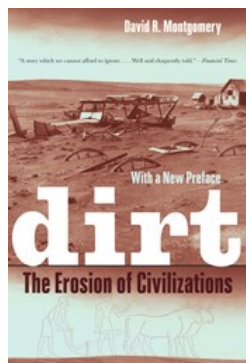
### Dinosaur Behavior – An Illustrated Guide

Michael J. Benton  
9780691244297  
£30.00 • \$35.00 • Hardcover  
Nature / Animals / Dinosaurs & Prehistoric Creatures  
October 2023  
Princeton University Press

A stunningly illustrated guide to these extraordinary creatures from a world-renowned paleontologist

Paleobiology has advanced from a speculative subject to a cutting-edge science. Today, researchers are applying the latest forensic technologies to the fossil record, revealing startling new insights into the lives of dinosaurs. This illustrated guide explores the behavior, evolution, physiology, and extinction of dinosaurs, taking readers inside the mysterious world of these marvelous animals. With specially commissioned illustrations by Bob Nicholls, *Dinosaur Behavior* explains how the dinosaurs lived and courted, fought and fed, signaled and interacted with each other, and much more.

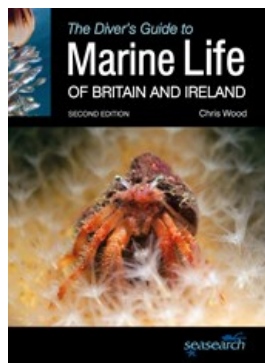
- Features a wealth of breathtaking illustrations throughout
- Offers new perspectives on the prehistoric world inhabited by dinosaurs
- Sheds light on how dinosaurs actually looked, how they moved, and how fast they ran
- Explains the feeding habits of carnivores, herbivores, scavengers, and solitary hunters
- Discusses sight, hearing, smell, spatial orientation, and intelligence
- Brings to life the social behavior of dinosaurs, from mating and parenting to herd dynamics and migration
- Takes readers behind the scenes of the latest, most thrilling discoveries



### Dirt – The Erosion of Civilizations

David R. Montgomery  
9780520272903  
£21.00 • \$24.95 • Paperback  
Nature  
April 2012  
University of California Press

Dirt, soil, call it what you want—it's everywhere we go. It is the root of our existence, supporting our feet, our farms, our cities. This fascinating yet disquieting book finds, however, that we are running out of dirt, and it's no laughing matter. An engaging natural and cultural history of soil that sweeps from ancient civilizations to modern times, *Dirt: The Erosion of Civilizations* explores the compelling idea that we are—and have long been—using up Earth's soil. Once bare of protective vegetation and exposed to wind and rain, cultivated soils erode bit by bit, slowly enough to be ignored in a single lifetime but fast enough over centuries to limit the lifespan of civilizations. A rich mix of history, archaeology and geology, *Dirt* traces the role of soil use and abuse in the history of Mesopotamia, Ancient Greece, the Roman Empire, China, European colonialism, Central America, and the American push westward. We see how soil has shaped us and we have shaped soil—as society after society has risen, prospered, and plowed through a natural endowment of fertile dirt. David R. Montgomery sees in the recent rise of organic and no-till farming the hope for a new agricultural revolution that might help us avoid the fate of previous civilizations.



### The Diver's Guide to Marine Life of Britain and Ireland 2nd Edition

Chris Wood  
9781999581107  
£19.95 • \$27.95 • Paperback  
Nature / Animals / Marine Life  
September 2019  
Princeton University Press

The cool temperate waters around Britain and Ireland are at a crossroads between warmer waters to the south and Arctic ones to the north. Consequently they contain a huge variety of marine animals and plants which differ significantly from place to place around the islands and shores.

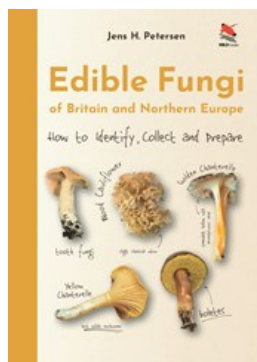
This guide aims to introduce divers and snorkellers to the most common and identifiable animals and plants they will encounter underwater, both widely distributed species and some of the specialities of different areas.

Completely revised and expanded this Second Edition covers almost 300 individual species and groups of species seen underwater, from tiny fragile sea spiders to the massive planktonfeeding Basking Shark.

- 265 individual species descriptions, each with information on habitat, size, depth range and distribution in easy to use icon format
- Text emphasising the key features for identification of each species and possible confusions
- Underwater photographs showing each species as the diver or snorkeller would see it
- A unique 'confidence guide' to identify which species are easily recognised and which are likely to require confirmation
- Over 30 additional groups of plants and animals that cannot be identified individually underwater, but can be important features of the living community
- Information on marine habitats, conservation status and nonnative species in British and Irish waters

This guide complements the other titles in this series by providing an introduction to a wide range





### Edible Fungi of Britain and Northern Europe – How to Identify, Collect and Prepare

Jens H. Petersen

9780691245195

£17.99 • \$22.95 • Hardcover

Nature / Plants / Mushrooms

February 2023

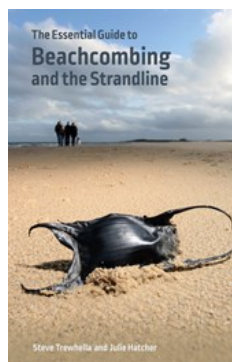
Princeton University Press – WILDGuides

**A richly illustrated guide to edible mushrooms by one of Europe's leading fungi experts**

In this beautifully illustrated introductory guide, Jens Petersen shows how to successfully identify and forage for edible mushrooms, and then how to prepare them for the table to ensure a delicious culinary experience, even if you're a first-time forager.

Accessible and user-friendly, the book opens with a substantial introduction to fungi—what to look for, where to find them and how to collect and cook them. Other topics include edible and poisonous fungi, conserving mushrooms and other uses of fungi. The book then covers the most common major groups, including morels, wood cauliflower, polypores, boletes, tooth fungi, chanterelles, horn of plenty, brittlegills, milkcaps, agarics, puffballs and jelly fungi. For many of these groups, notable subkinds are given their own treatment. With practice, the book will enable you to identify mushrooms such as yellow chanterelles, blueing boletes with orange tube mouths, green brittlegills and milkcaps with orange milk.

Featuring more than 400 stunning colour photographs and more than forty black-and-white illustrations, this book will enhance the experience of every mushroom forager and wild-table chef.



### The Essential Guide to Beachcombing and the Strandline

Steve Trehwella

9780957394674

£16.99 • \$22.95 • Paperback

Nature / Animals / Marine Life

September 2019

Princeton University Press

Immerse yourself in the beachcombing experience; the wind in your face, the smell of salt spray, the roar of the ocean; it's an assault on the senses, the perfect tonic. From time immemorial people have been drawn to the beach to collect practical resources as well as mysterious objects that have fuelled myth and folklore – it is our inherent hunter-gatherer instinct.

The beach strandline is also a wildlife habitat, home to a unique community of plants and animals, many found nowhere else. They create a rich and ever-changing oasis of life in the otherwise harsh environment of the beach.

Whether you are a seasoned beachcomber, a casual visitor or an enthusiastic naturalist, this book is for you. It will satisfy your curiosity about each treasure found cast up on the beach, be it a pretty seashell or an exotic ocean voyager.

- Descriptions of common and rare beach finds, both natural and man-made
- Clear photographs showing objects and species as found on the strandline and in their natural habitat
- Suggestions for family activities related to beachcombing
- A comprehensive account of the living flora and fauna of the beach strandline
- Information on threats and conservation measures for the marine and coastal environment



### The Essential Guide to Rockpooling

Julie Hatcher

9780995567313

£16.99 • \$22.95 • Paperback

Nature / Ecosystems & Habitats / Lakes, Ponds & Swamps

September 2019

Princeton University Press

The marine environment is a remarkable place – otherworldly and a source of endless fascination. The rocky shore where land meets sea, its array of life ever-changing with the tides, offers us a chance to explore this hidden world.

This book reveals the astonishing diversity of wildlife on rocky shores and in the rockpools around the coast of Britain and gives readers a greater understanding of the myriad creatures that can be found using a bit of simple detective work.

Rockpooling is an activity enjoyed by children and adults alike. This guide will make your exploration even more rewarding, whether you are enjoying a day out at the seaside or seeking to expand your knowledge of a unique habitat.

- Detailed descriptions of around 400 common and rare rocky shore species
- Clear colour photographs of all the species described
- Tips and techniques describing how to find the more cryptic animals
- Ideas for rockpool-related family activities
- Information on threats to the intertidal environment
- Measures we can all take to safeguard the future of our rocky shore wildlife



### Europe's Birds – An Identification Guide

Rob Hume

9780691177656

£20.00 • \$29.95 • Paperback

Nature / Birdwatching Guides

October 2021

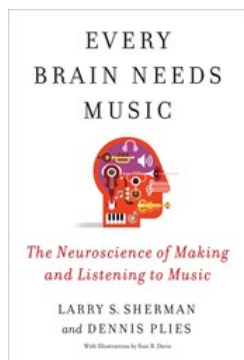
Princeton University Press – WILDGuides

**The most comprehensive single-volume photographic guide to Europe's birds ever produced—from the authors of the acclaimed *Britain's Birds***

Covering more than 900 species, and illustrated with 4,700 photographs, *Europe's Birds* is the most comprehensive, authoritative and ambitious single-volume photographic guide to Europe's birds ever produced. Easy-to-use, practical and accessible, this guide provides the information necessary for birdwatchers of all abilities to name any bird they see. Detailed descriptions cover the birds in all their plumages—male, female, breeding, non-breeding, adult and immatures, as well as distinctive subspecies. The clear text covers all aspects of identification, including moult and vocalizations, and provides details on range, status and habitat. An unrivalled selection of photographs, chosen to be as informative as possible, makes this a beautiful book to enjoy, as well as an up-to-date and essential source of identification knowledge.

*Europe's Birds* is produced by the same team that created *Britain's Birds*, which has been described as “without doubt the best photo guide on the market” (Andy Stoddart, *Rare Bird Alert*). The authors include top-class wildlife photographers, writers and editors, and an imaginative, highly skilled designer. All are experienced birdwatchers themselves, who know what is needed in an identification guide for birdwatchers living or travelling in Europe.

- Illustrates all 928 species recorded in Europe, including established introductions
- Features 4,700 stunning photographs showing the birds as you really see them
- Focuses on identification, covering all plumages and subspecies
- Provides detailed comparison of similar and difficult species
- Includes details of moult, vocalizations, status and favoured habitats



### Every Brain Needs Music – The Neuroscience of Making and Listening to Music

Lawrence Sherman

9780231209106

£28.00 • \$32.00 • Hardcover

Science / Life Sciences / Neuroscience

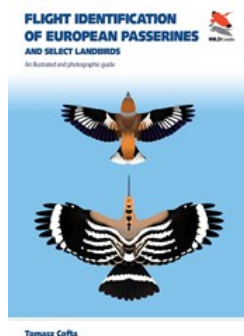
May 2023

Columbia University Press

Whenever a person engages with music—when a piano student practices a scale, a jazz saxophonist riffs on a melody, a teenager sobs to a sad song, or a wedding guest gets down on the dance floor—countless neurons are firing. Playing an instrument requires all of the resources of the nervous system, including cognitive, sensory, and motor functions. Composition and improvisation are remarkable demonstrations of the brain's capacity for creativity. Something as seemingly simple as listening to a tune involves mental faculties most of us don't even realize we have.

Larry S. Sherman, a neuroscientist and lifelong musician, and Dennis Plies, a professional musician and teacher, collaborate to show how our brains and music work in harmony. They consider music in all the ways we encounter it—teaching, learning, practicing, listening, composing, improvising, and performing—in terms of neuroscience as well as music pedagogy, showing how the brain functions and even changes in the process. *Every Brain Needs Music* draws on leading behavioral, cellular, and molecular neuroscience research as well as surveys of more than a hundred musical people. It provides new perspectives on learning to play, teaching, how to practice and perform, the ways we react to music, and why the brain benefits from musical experiences.

Written for both musical and nonmusical people, including newcomers to brain science, this book is a lively and easy-to-read exploration of the neuroscience of music and its significance in our lives.



### Flight Identification of European Passerines and – An Illustrated and Photographic Guide

Tomasz Cofta

9780691177571

£38.00 • \$45.00 • Paperback

Nature / Birdwatching Guides

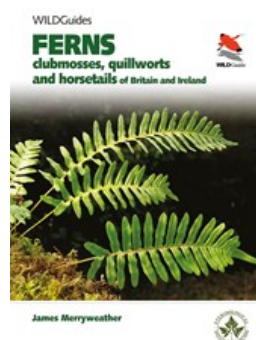
February 2021

Princeton University Press – WILDGuides

**A richly illustrated, state-of-the-art field guide for identifying European passerines in flight—the first of its kind**

Opening up new frontiers in birdwatching, this is the first field guide to focus specifically on the identification of European passerines and related landbirds in flight. Showcasing 850 stunning and remarkably lifelike colour illustrations from acclaimed bird artist Tomasz Cofta, produced using the latest digital technology, backed up with more than 2,400 photographs carefully selected to show typical flight profiles, it provides detailed and unsurpassed coverage of 205 European passerines and 32 near-passerines. This cutting-edge book brings a new dimension to birdwatching, the concise and authoritative species accounts presenting novel yet essential information on the flight manner of individual birds and the structure and behaviour of flocks—features that are key to identification. It also includes precise transliterations of flight calls, supported by sonograms, and links to a unique collection of hundreds of online audio recordings. Beautifully designed and written in an accessible style, this book will appeal to birdwatchers of all abilities. It presents the latest knowledge on flight identification of a group of birds that is poorly covered in the literature and is therefore a must-have for all professional ornithologists and scientists involved in migration studies.

- The first field guide to flight identification of European passerines and related landbirds
- Covers 205 European passerines and 32 near-passerines
- Features 850 stunning colour illustrations
- Includes more than 2,400 photos showing typical profiles of each species in flight
- Provides detailed information on flight calls, with links to online recordings



### Ferns – Clubmosses, Quillworts and Horsetails of Britain and Ireland

James Merryweather

9780691180397

£20.00 • \$24.95 • Paperback

Nature / Plants

May 2020

Princeton University Press – WILDGuides

**The only comprehensive photographic guide to the ferns, clubmosses, quillworts and horsetails of Britain**

This is a comprehensive, lavishly illustrated and user-friendly photographic identification guide to the fifty-seven ferns and seventeen other pteridophytes that occur in Britain. It is the perfect companion for botanists, naturalists, professional ecologists and anyone else with an interest in this fascinating group of non-flowering vascular plants. Designed to appeal to beginners and experts alike, this authoritative book includes novel identification keys and comparison tables that have been carefully devised to present only essential, easily understood technical terms and descriptions, avoiding jargon as much as possible. Cross-referenced throughout to facilitate the comparison of similar species, this definitive field guide is the go-to source for identifying these species with confidence.

- Features hundreds of stunning colour photographs
- Comprehensive coverage of Britain's 57 species of ferns, 6 clubmosses, 3 quillworts and 8 horsetails
- Includes novel, easy-to-use, jargon-free identification keys and comparison tables
- Beautifully designed, user-friendly and accessible



### Florapedia – A Brief Compendium of Floral Lore

Amy Jean Porter

9780691211404

£10.99 • \$16.95 • Hardcover

Nature / Plants / Flowers

April 2021

Princeton University Press

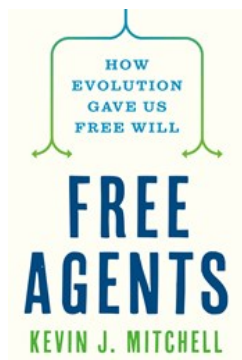
**A delightful illustrated treasury of botanical facts and fancy**

*Florapedia* is an eclectic A–Z compendium of botanical lore. With more than 100 enticing entries—on topics ranging from achlorophyllous plants that use a fungus as an intermediary to obtain nutrients from other plants to zygomorphic flowers that admit only the most select pollinators—this collection is a captivating journey into the realm of botany.

Writing in her incomparably engaging style, Carol Gracie discusses remarkable plants from around the globe, botanical art and artists, early botanical explorers, ethnobotanical uses of plants, botanical classification and terminology, the role of plants in history, and more. She shares illuminating facts about van Gogh's sunflowers and reveals how a hallucinogenic weed left its enduring mark on the early history of the Jamestown colony. Gracie describes the travels of John and William Bartram—father and son botanists and explorers who roamed widely in early America in search of plants—and delves into the miniature ecosystems entangled in Spanish moss. The book's convenient size allows for it to be tucked into a pocket or bag, making it the perfect companion on your own travels.

With charming drawings by Amy Jean Porter, *Florapedia* is the ideal gift book for the plant enthusiast in your life and a rare pleasure for anyone interested in botanical art, history, medicine, or exploration.

- Features a cloth cover with an elaborate foil-stamped design



### Free Agents – How Evolution Gave Us Free Will

Kevin J. Mitchell

9780691226231

£25.00 • \$29.95 • Hardcover

Science / Life Sciences / Neuroscience

October 2023

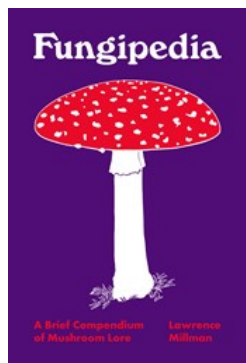
Princeton University Press

#### An evolutionary case for the existence of free will

Scientists are learning more and more about how brain activity controls behavior and how neural circuits weigh alternatives and initiate actions. As we probe ever deeper into the mechanics of decision making, many conclude that agency—or free will—is an illusion. In *Free Agents*, leading neuroscientist Kevin Mitchell presents a wealth of evidence to the contrary, arguing that we are not mere machines responding to physical forces but agents acting with purpose.

Traversing billions of years of evolution, Mitchell tells the remarkable story of how living beings capable of choice arose from lifeless matter. He explains how the emergence of nervous systems provided a means to learn about the world, granting sentient animals the capacity to model, predict, and simulate. Mitchell reveals how these faculties reached their peak in humans with our abilities to imagine and to be introspective, to reason in the moment, and to shape our possible futures through the exercise of our individual agency. Mitchell's argument has important implications—for how we understand decision making, for how our individual agency can be enhanced or infringed, for how we think about collective agency in the face of global crises, and for how we consider the limitations and future of artificial intelligence.

An astonishing journey of discovery, *Free Agents* offers a new framework for understanding how, across a billion years of Earth history, life evolved the power to choose, and why it matters.



### Fungipedia – A Brief Compendium of Mushroom Lore

Lawrence Millman

9780691194721

£10.99 • \$16.95 • Hardcover

Nature / Plants / Mushrooms

September 2019

Princeton University Press

"This little book is big fun."—Michael Pollan

#### An illustrated mini-encyclopedia of fungal lore, from John Cage and Terence McKenna to mushroom sex and fairy rings

*Fungipedia* presents a delightful A–Z treasury of mushroom lore. With more than 180 entries—on topics as varied as *Alice in Wonderland*, chestnut blight, medicinal mushrooms, poisonings, Santa Claus, and waxy caps—this collection will transport both general readers and specialists into the remarkable universe of fungi.

Combining ecological, ethnographic, historical, and contemporary knowledge, author and mycologist Lawrence Millman discusses how mushrooms are much more closely related to humans than to plants, how they engage in sex, how insects farm them, and how certain species happily dine on leftover radiation, cockroach antennae, and dung. He explores the lives of individuals like African American scientist George Washington Carver, who specialized in crop diseases caused by fungi; Beatrix Potter, creator of *Peter Rabbit*, who was prevented from becoming a professional mycologist because she was a woman; and Gordon Wasson, a J. P. Morgan vice-president who almost single-handedly introduced the world to magic mushrooms. Millman considers why fungi are among the most significant organisms on our planet and how they are currently being affected by destructive human behavior, including climate change.

With charming drawings by artist and illustrator Amy Jean Porter, *Fungipedia* offers a treasure trove of scientific and cultural information. The world of mushrooms lies right at your door—be amazed!



### Fungi of Temperate Europe

Thomas Laessle

9780691180373

£134.00 • \$156.00 • Hardcover

Nature / Plants / Mushrooms

August 2019

Princeton University Press

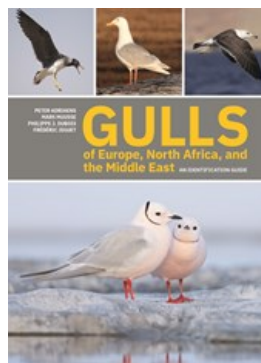
#### An unprecedented two-volume exploration of the fungi of temperate Europe

*Fungi of Temperate Europe* is one of the most comprehensive mycological guides ever published. Featuring more than 7,000 photographs, this lavish two-volume set treats more than 2,800 species of fungi across the region.

Including agarics, boletes, chanterelles and morels but also more obscure groups such as cyphelloids, cup fungi, pyrenomycetous fungi and hysterioids, this guide takes an unprecedentedly broad approach to communicating fungal diversity. All species are illustrated with one or more photographs and information is given on morphology, ecology and distribution within temperate Europe. Furthermore, 1,500+ species are discussed as potential look-alikes. The books are divided into eighty "form groups," each starting with an innovative comparison wheel with guiding photos, distinguishing characteristics and drawings of essential microscopic features. Poisonous and edible species are colour coded within the text.

Revealing the world of fungi in all its splendour, *Fungi of Temperate Europe* is a must-have resource for any amateur or professional mycologist.

- 7,000+ photographs across 1,700 pages
- Colourful, up-close photos unrivaled by other mycological guides
- Coverage for 2,800+ fungal species
- Innovative and accessible system of identification



### Gulls of Europe, North Africa, and the Middle East – An Identification Guide

Peter Adriaens

9780691222837

£35.00 • \$42.00 • Paperback

Nature / Animals / Birds

December 2021

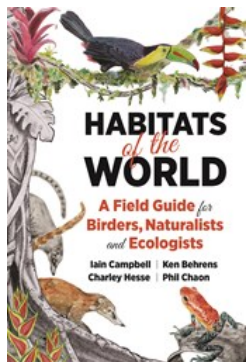
Princeton University Press

#### A comprehensive photographic guide to the gull species of the Western Palearctic

Gulls occupy a particularly important place in the world of birds. But because they are notoriously difficult to identify, they have been relatively neglected in the ornithological literature. *Gulls of Europe, North Africa, and the Middle East* offers the most up-to-date guide for gull identification in Europe and beyond. With a direct and visual approach, and an abundance of beautiful color photographs, this book provides thorough accounts of all species and subspecies of gulls found in the Western Palearctic. The guide compares similar taxa and addresses the complexities of identifying hybrids. *Gulls of Europe, North Africa, and the Middle East* will be the standard work for identifying these birds for some time to come.

- Richly illustrated with nearly 1,400 color photographs
- Thorough accounts of all species and subspecies of gulls found in the Western Palearctic
- Up-to-date information for easy and accurate identification of 45 species





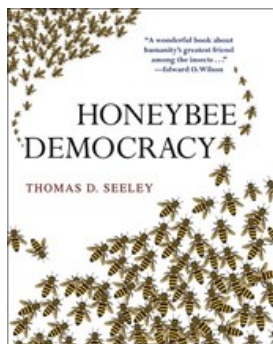
### Habitats of the World – A Field Guide for Birders, Naturalists, and Ecologists

Iain Campbell  
9780691197562  
£30.00 • \$35.00 • Paperback  
Nature / Ecosystems & Habitats  
September 2021  
Princeton University Press

**The first field guide to all of the world's major land habitats—richly illustrated and packed with essential information to help you get the most out of your outdoor adventures**

Accurately identifying and understanding habitats in detail is essential to any birder, naturalist, outdoor enthusiast, or ecologist who wants to get the most out of their experiences in the field. *Habitats of the World* is the first field guide to the world's major land habitats—189 in all. Using the format of a natural history field guide, this compact, accessible, and comprehensive book features concise identification descriptions and is richly illustrated—including more than 650 color photographs of habitats and their wildlife, 150 distribution maps, 200 diagrams, and 150 silhouettes depicting each habitat alongside a human figure, providing an immediate grasp of its look and scale. Each major habitat has an illustrated “climate box” that allows easy comparisons between habitats. Thirty other illustrated boxes present clear explanations of complex phenomena affecting habitats—from plate tectonics and mountain formation to fire regimes and climate change. Requiring no scientific background, *Habitats of the World* offers quick and reliable information for anyone who wants a deeper understanding and appreciation of the habitats around them, whether in their own backyard or while travelling anywhere in the world.

- Covers 189 of the world's major land habitats
- Provides all the information you need to quickly and accurately identify and understand habitats anywhere in the world
- Features concise text, more than 650 color photographs of habitats and their wildlife, an up-to-date distribution map for each habitat, and hundreds of helpful diagrams and illustrations



### Honeybee Democracy

Thomas D. Seeley  
9780691147215  
£25.00 • \$29.95 • Hardcover  
Science / Life Sciences / Zoology / Entomology  
October 2010  
Princeton University Press

**How honeybees make collective decisions—and what we can learn from this amazing democratic process**

Honeybees make decisions collectively—and democratically. Every year, faced with the life-or-death problem of choosing and traveling to a new home, honeybees stake everything on a process that includes collective fact-finding, vigorous debate, and consensus building. In fact, as world-renowned animal behaviorist Thomas Seeley reveals, these incredible insects have much to teach us when it comes to collective wisdom and effective decision making. A remarkable and richly illustrated account of scientific discovery, *Honeybee Democracy* brings together, for the first time, decades of Seeley's pioneering research to tell the amazing story of house hunting and democratic debate among the honeybees.

In the late spring and early summer, as a bee colony becomes overcrowded, a third of the hive stays behind and rears a new queen, while a swarm of thousands departs with the old queen to produce a daughter colony. Seeley describes how these bees evaluate potential nest sites, advertise their discoveries to one another, engage in open deliberation, choose a final site, and navigate together—as a swirling cloud of bees—to their new home. Seeley investigates how evolution has honed the decision-making methods of honeybees over millions of years, and he considers similarities between the ways that bee swarms and primate brains process information. He concludes that what works well for bees can also work well for people: any decision-making group should consist of individuals with shared interests and mutual respect, a leader's influence should be minimized, debate should be relied upon, diverse solutions should be sought, and the majority should be counted on for a dependable resolution.



### Honey Bee Biology

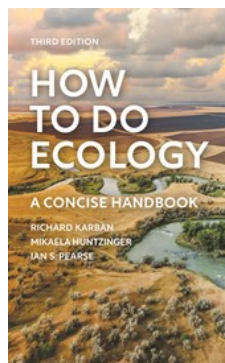
Brian R. Johnson  
9780691204888  
£38.00 • \$45.00 • Hardcover  
Science / Life Sciences / Zoology / Entomology  
August 2023  
Princeton University Press

**The most comprehensive and up-to-date general reference book on honey bee biology**

Honey bees are marvelously charismatic organisms with a long history of interaction with humans. They are vital to agriculture and serve as a model system for many basic questions in biology. This authoritative book provides an essential overview of honey bee biology, bringing established topics up to date while incorporating emerging areas of inquiry.

*Honey Bee Biology* covers everything from molecular genetics, development, and physiology to neurobiology, behavior, and pollination biology. Placing special attention on the important role of bees as pollinators in agricultural ecosystems, it incorporates the latest findings on pesticides, parasites, and pathogens. This incisive and wide-ranging book also sheds vital light on the possible causes of colony collapse disorder and the devastating honey bee losses we are witnessing today.

The study of honey bees has greatly expanded in recent years and there is more interest in these marvelous creatures than ever before. *Honey Bee Biology* is the first up-to-date general reference of its kind published in decades. It is a must-have resource for social insect biologists, scientifically savvy beekeepers, and any scientist interested in bees as a model system.



### How to Do Ecology – A Concise Handbook – Third Edition

Richard Karban  
9780691245751  
£22.00 • \$27.95 • Paperback  
Science / Life Sciences / Ecology  
August 2023  
Princeton University Press

**The essential insider's guide for ecologists at all career stages—now completely updated and expanded**

Most books and courses in ecology focus on facts and concepts but do little to explain the process of research. *How to Do Ecology* provides nuts-and-bolts advice for organizing and conducting a successful research program. This fully updated and expanded edition explains how to ask and answer your own research questions using compelling study design and appropriate stats. Ecology doesn't take place exclusively outdoors, so the book shares invaluable insights on topics such as identifying your goals, developing professional relationships, reading efficiently, and organizing a field season. Because the currency in ecology is publications, it also suggests effective ways to communicate your ideas through journal articles, oral presentations, posters, and grant proposals. This incisive handbook makes explicit many of the unstated rules that ecologists follow and serves as a practical resource for meaningful conversations about ecology.

This new edition includes:

- Expanded emphasis on collecting and interpreting observational data
- An innovative new workshop for generating and evaluating creative research questions
- Helpful tips on developing the skills most important to students, navigating your career path, writing efficiently, and more





### Hummingbirds – A Celebration of Nature's Jewels

Glenn Bartley

9780691182124

£30.00 • \$35.00 • Hardcover

Nature / Animals / Birds

April 2022

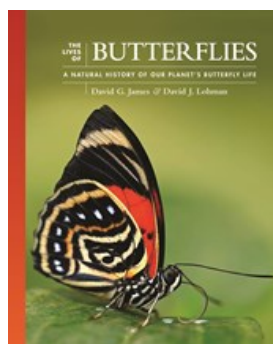
Princeton University Press – WILDGuides

#### A stunningly illustrated guide to the wonderful world of hummingbirds

With their glorious colors, glittering iridescence, astonishing powers of flight, and many characteristics unique in the world of birds, hummingbirds are extraordinary—true jewels of nature. This beautiful book is a celebration of all aspects of hummingbirds and their world. It features hundreds of the most spectacular photographs of hummingbirds ever taken, exquisite illustrations, and a lively, readable text that presents the latest scientific information and includes up-to-date details about every species.

A familiar sight across much of the Americas, hummingbirds have long captured the imagination and played an important part in myths, legends, and other aspects of human culture. Today, hummingbirds are among the most popular of all birds, sought after by serious and casual birders alike. They inspire questions in anyone lucky enough to see them. How can they fly like that? Why are they so colorful? How many are there? Where and how do they live? How do they survive? This book answers these and many other questions, providing an enlightening and enjoyable guide to hummingbirds that can only deepen their wonder.

- A definitive yet accessible account of all aspects of hummingbird life
- More than 540 spectacular color photographs, illustrating all 101 hummingbird genera and over two-thirds of the world's 369 species
- Specially commissioned illustrations revealing details of anatomy and behavior
- Meticulously researched facts and figures on status, population, distribution, and conservation designations of all the world's hummingbirds



### The Lives of Butterflies – A Natural History of Our Planet's Butterfly Life

David G. James

9780691240565

£30.00 • \$35.00 • Hardcover

Nature / Animals / Butterflies & Moths

October 2023

Princeton University Press

#### A beautifully illustrated introduction to the lives of butterflies around the world

There are more than fifteen thousand butterfly species in the world, fluttering through a wide variety of habitats. Bright and beautiful, butterflies also have fascinating life histories and play an important role in our planet's ecosystems. *The Lives of Butterflies* showcases the extraordinary range of colors and patterns of the world's butterflies while exploring their life histories, behavior, habitats and resources, populations, seasonality, defense and natural enemies, and threats and conservation.

With remarkable photography, graphic illustration, and profiles of thirty-five selected species, this comprehensive and inviting book discusses dozens of key topics, including eggs, caterpillars, and chrysalids; flight, feeding, courtship, and mating; migration and hibernation; concealment, mimicry, and predators; habitat loss and fragmentation, climate change, and pesticides; and farming and gardening to support and attract butterflies.

With its stunning illustrations and clear, up-to-date, and authoritative text, *The Lives of Butterflies* will appeal to a wide range of butterfly and nature lovers.



### Insectpedia – A Brief Compendium of Insect Lore

Eric R. Eaton

9780691210346

£10.99 • \$16.95 • Hardcover

Nature / Animals / Insects & Spiders

May 2022

Princeton University Press

#### A fun and fact-filled A–Z treasury for the insect lover in all of us

*Insectpedia* introduces you to the wonders of the insect world while inviting you to make discoveries of your own. Featuring dozens of entries on topics ranging from murder hornets and the “insect apocalypse” to pioneering entomologists such as Margaret James Strickland Collins and Douglas Tallamy, this beautifully illustrated, pocket-friendly encyclopedia dispels many common myths about insects while offering new perspectives on the vital relationships we share with these incredible creatures.

This entertaining collection celebrates the long and storied history of entomology, highlights our dependence on insects for food and ecosystem services, and explains the meaning behind various entomological terms. With Eric Eaton as your guide, you will circle the globe in search of African Toktokkies and Australian beer bottle beetles, and witness the peculiar spectacle of cricket fighting in Asia. Profiles of influential figures in entomology provide insights into the curious minds that animate this extraordinarily broad field of scientific inquiry, while the book's portable size makes it the perfect travel companion no matter where your own entomological adventures may lead you.

With captivating illustrations by Amy Jean Porter, *Insectpedia* is an engaging blend of insect facts and folklore that will inspire anyone who delights in the marvels of nature.

- Features a cloth cover with an elaborate foil-stamped design



### The Lives of Fungi – A Natural History of Our Planet's Decomposers

Britt A. Bunyard

9780691229843

£25.00 • \$29.95 • Hardcover

Nature / Plants / Mushrooms

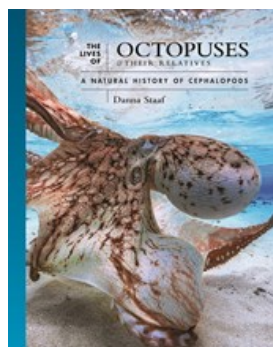
April 2022

Princeton University Press

#### A fascinating and richly illustrated exploration of the natural history of fungi

We know fungi are important, for us as well as the environment. But how they live, and what they can do, remains mysterious and surprising. Filled with stunning photographs, *The Lives of Fungi* presents an inside look into their hidden and extraordinary world.

The wonders of fungi are myriad: a mushroom poking up through leaf litter literally overnight, or the sensational hit of umami from truffle shavings. Alexander Fleming cured infections with mold and spiritual guides have long used psychedelic mushrooms to enhance understanding. Then there are the tiny threads of fungi, called hyphae, that create a communications network for the natural world while decomposing organic matter. Combining engaging and accessible text with beautiful images, *The Lives of Fungi* lays out all the essential facts about fungi for the mycologically curious.



### The Lives of Octopuses and Their Relatives – A Natural History of Cephalopods

Danna Staaf  
9780691244303  
£30.00 • \$35.00 • Hardcover  
Nature / Animals / Marine Life  
September 2023  
Princeton University Press

**An engaging and beautifully illustrated introduction to some of the world's most interesting and charismatic marine creatures**

Dive deep into the fascinating world of cephalopods—octopuses, squid, cuttlefish, and the mysterious nautilus—to discover the astonishing diversity of this unique group of intelligent invertebrates and their many roles in the marine ecosystem. Organized by marine habitat, this book features an extraordinary range of these clever and colorful creatures from around the world and explores their life cycles, behavior, adaptations, ecology, links to humans, and much more. With stunning photographs and illustrations as well as profiles of selected species, *The Lives of Octopuses and Their Relatives* is a comprehensive, authoritative, and inviting introduction to the natural history of these charismatic creatures.



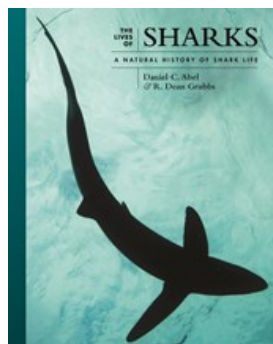
### The Lives of Seaweeds – A Natural History of Our Planet's Seaweeds and Other Algae

Julie A. Phillips  
9780691228556  
£30.00 • \$35.00 • Hardcover  
Nature / Plants / Aquatic  
November 2023  
Princeton University Press

**An engaging and richly illustrated exploration of the natural history of seaweeds and other algae**

As photosynthetic organisms, seaweeds and other algae transfer billions of tons of carbon globally from the atmosphere to the deep ocean each year. Coming in all manner of colors, shapes, and sizes, from bioluminescent single-celled algae to giant kelps, they form the basis of most marine food webs, and are found in almost all environments on the planet. Touted as the biofuel of the future, seaweeds and algae also hold promise for biodegradable packaging, offer a nutritious food source, and exhibit antiviral and antitumor properties.

Combining accessible text with stunning images and graphics, this book takes a deep dive to explore the unique characteristics of seaweeds and other algae, outlining their extraordinary evolution as well as their morphology, life histories, ecology, and uses. Offering rare insights into the algal world, *The Lives of Seaweeds* is essential reading for naturalists and marine life enthusiasts.



### The Lives of Sharks – A Natural History of Shark Life

Daniel C. Abel  
9780691244310  
£30.00 • \$35.00 • Hardcover  
Nature / Animals / Marine Life  
September 2023  
Princeton University Press

**A richly illustrated and comprehensive introduction to the world's sharks**

Sharks are the top predators in many marine ecosystems. But tales of the killer instincts and fearsomely sharp senses of these hunters can obscure their full life histories. In fact, sharks are characterful, exhibit surprisingly complex behaviors, and lead secretive lives full of interest in every type of marine habitat. *The Lives of Sharks* is a fascinating and beautifully illustrated guide to these iconic marine creatures from two world-renowned experts. This book explores shark physiology, anatomy, behavior, ecology, and evolution, as well as conservation and the impact of human activity on shark populations. With stunning photographs and illustrations, as well as profiles of selected species, this is a comprehensive, authoritative, and inviting introduction to global shark life today.



### Locked in Time – Animal Behavior Unearthed in 50 Extraordinary Fossils

Dean R. Lomax  
9780231197298  
£16.99 • \$19.95 • Paperback  
Science / Paleontology  
September 2022  
Columbia University Press

Fossils allow us to picture the forms of life that inhabited the earth eons ago. But we long to know more: how did these animals actually behave? We are fascinated by the daily lives of our fellow creatures—how they reproduce and raise their young, how they hunt their prey or elude their predators, and more. What would it be like to see prehistoric animals as they lived and breathed?

From dinosaurs fighting to their deaths to elephant-sized burrowing ground sloths, this book takes readers on a global journey deep into the earth's past. *Locked in Time* showcases fifty of the most astonishing fossils ever found, brought together in five fascinating chapters that offer an unprecedented glimpse at the real-life behaviors of prehistoric animals. Dean R. Lomax examines the extraordinary direct evidence of fossils captured in the midst of everyday action, such as dinosaurs sitting on their eggs like birds, Jurassic flies preserved while mating, a *T. rex* infected by parasites. Each fossil, he reveals, tells a unique story about prehistoric life. Many recall behaviors typical of animals familiar to us today, evoking the chain of evolution that links all living things to their distant ancestors. *Locked in Time* allows us to see that fossils are not just inanimate objects: they can record the life stories of creatures as fully alive as any today. Striking and scientifically rigorous illustrations by renowned paleoartist Bob Nicholls bring these breathtaking moments to life.



### The Mind of a Bee

Lars Chittka

9780691253893

£16.99 • \$19.95 • Paperback

Nature / Animals / Insects & Spiders

October 2023

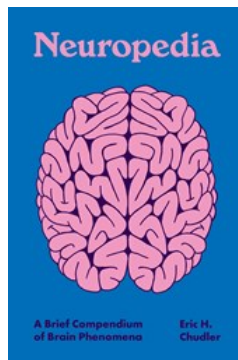
Princeton University Press

#### A rich and surprising exploration of the intelligence of bees

Most of us are aware of the hive mind—the power of bees as an amazing collective. But do we know how uniquely intelligent bees are as individuals? In *The Mind of a Bee*, Lars Chittka draws from decades of research, including his own pioneering work, to argue that bees have remarkable cognitive abilities. He shows that they are profoundly smart, have distinct personalities, can recognize flowers and human faces, exhibit basic emotions, count, use simple tools, solve problems, and learn by observing others. They may even possess consciousness.

Taking readers deep into the sensory world of bees, Chittka illustrates how bee brains are unparalleled in the animal kingdom in terms of how much sophisticated material is packed into their tiny nervous systems. He looks at their innate behaviors and the ways their evolution as foragers may have contributed to their keen spatial memory. Chittka also examines the psychological differences between bees and the ethical dilemmas that arise in conservation and laboratory settings because bees feel and think. Throughout, he touches on the fascinating history behind the study of bee behavior.

Exploring an insect whose sensory experiences rival those of humans, *The Mind of a Bee* reveals the singular abilities of some of the world's most incredible creatures.



### Neuropedia – A Brief Compendium of Brain Phenomena

Eric H. Chudler

9780691213576

£10.99 • \$16.95 • Hardcover

Science / Life Sciences / Neuroscience

November 2022

Princeton University Press

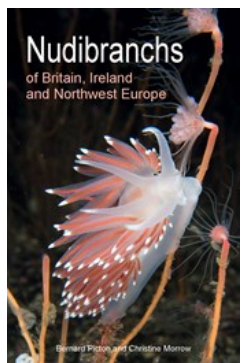
#### A fun and fact-filled A–Z treasury for anyone with a head on their shoulders

*Neuropedia* journeys into the mysteries and marvels of the three pounds of tissue between your ears—the brain. Eric Chudler takes you on a breathtaking tour of the nervous system with dozens of entries that explore the structure and function of the brain and cover topics such as the spinal cord and nerve cells, the methods of neuroscientific research, and the visionary scientists who have dedicated their lives to understanding what makes each of us who we are.

The brain has fascinated and puzzled researchers, physicians, and philosophers for thousands of years and captivated us with each new discovery. This compendium of neuroscientific wonders is brimming with facts and insights, helping us to make sense of our current understanding of the nervous system while identifying the frontiers in our knowledge that remain unexplored. Chudler guides readers through a variety of rare and common neurological disorders such as alien hand disorder, Capgras syndrome, Alzheimer's disease, Parkinson's disease, and stroke, and discusses the latest brain-imaging methods used to diagnose them. He discusses neurochemicals, neurotoxins, and lifesaving drugs, and offers bold perspectives on human consciousness that enable us to better appreciate our place in nature.

With marvelous illustrations by Kelly Chudler, *Neuropedia* is an informative and entertaining trip into the inner world of the brain.

- Features a cloth cover with an elaborate foil-stamped design



### Nudibranchs of Britain, Ireland and Northwest Eu – Second Edition

Bernard Picton

9780691208794

£35.00 • \$39.95 • Paperback

Nature / Animals / Marine Life

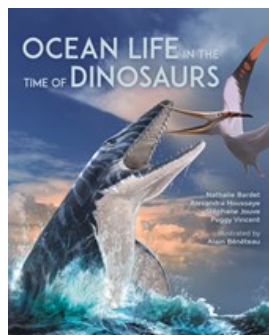
June 2023

Princeton University Press

#### A strikingly illustrated photographic identification guide to sea slugs in all their colourful variety

Nudibranchs, or sea slugs, are a group of marine gastropod molluscs whose adults lack shells, an evolutionary loss that has led to a wide variety of body shapes, colours and colour patterns, making them popular with divers and underwater photographers. In this book, experienced nudibranch experts Bernard Picton and Christine Morrow provide an accessible and authoritative photographic identification guide for anyone interested in finding and identifying nudibranchs in the coastal waters of Britain, Ireland and Northwest Europe.

- Covers more than 195 species, each on its own two-page spread
- Includes in situ photos to aid finding nudibranchs under water and on the shore
- Features photos of nudibranchs' distinctive spawn coils and studio photos showing detailed anatomy
- Presents key distinguishing features and essential information on size, habitat, diet and distribution



### Ocean Life in the Time of Dinosaurs

Nathalie Bardet

9780691243948

£25.00 • \$29.95 • Hardcover

Nature / Animals / Dinosaurs & Prehistoric Creatures

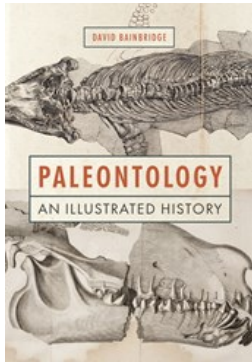
November 2023

Princeton University Press

#### A richly illustrated introduction to the spectacular reptiles that swam the oceans when dinosaurs roamed the land

During the Mesozoic era, 252 to 66 million years ago, dinosaurs ruled the land, but the ocean depths were roiling with equally spectacular reptiles—including giant predators. This richly illustrated, authoritative, and accessible book introduces readers to the world of these fascinating marine animals, whose predecessors returned to the seas a few million years after the first vertebrates emerged from the water. As we meet ichthyosaurs, plesiosaurs, mosasaurs, and many others, we learn about the astonishing anatomical, physiological, and behavioral adaptations that enabled these reptiles to become ocean dwellers again. We also learn about their living descendants, including sea turtles and sea snakes. Featuring stunning artwork depicting these prehistoric ocean creatures and photographs of their fossil remains, this book invites readers to discover the enthralling past of marine reptiles in all their extraordinary diversity.





### Paleontology – An Illustrated History

David Bainbridge  
9780691220925

£25.00 • \$29.95 • Hardcover

Science / Paleontology

February 2022

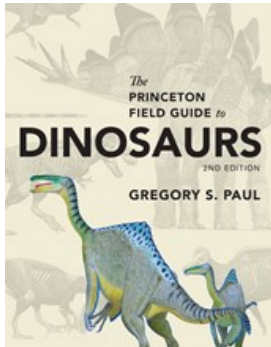
Princeton University Press

#### An illustrated look at the art and science of paleontology from its origins to today

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.



### The Princeton Field Guide to Dinosaurs 2e

Gregory S. Paul  
9780691167664

£30.00 • \$35.00 • Hardcover

Nature / Animals / Dinosaurs & Prehistoric  
Creatures

September 2016

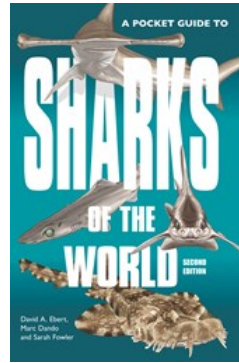
Princeton University Press

#### A fully updated and expanded new edition of the acclaimed, bestselling dinosaur field guide

The bestselling *Princeton Field Guide to Dinosaurs* remains the must-have book for anyone who loves dinosaurs, from amateur enthusiasts to professional paleontologists. Now extensively revised and expanded, this dazzlingly illustrated large-format edition features some 100 new dinosaur species and 200 new and updated illustrations, bringing readers up to the minute on the latest discoveries and research that are radically transforming what we know about dinosaurs and their world.

Written and illustrated by acclaimed dinosaur expert Gregory Paul, this stunningly beautiful book includes detailed species accounts of all the major dinosaur groups as well as nearly 700 color and black-and-white images—skeletal drawings, "life" studies, scenic views, and other illustrations that depict the full range of dinosaurs, from small feathered creatures to whale-sized supersauropods. Paul's extensively revised introduction delves into dinosaur history and biology, the extinction of nonavian dinosaurs, the origin of birds, and the history of dinosaur paleontology, as well as giving a taste of what it might be like to travel back in time to the era when dinosaurs roamed the earth.

- Now extensively revised and expanded
- Covers nearly 750 dinosaur species, including scores of newly discovered ones
- Provides startling new perspectives on the famed *Brontosaurus* and *Tyrannosaurus*
- Features nearly 700 color and black-and-white drawings and figures, including life studies, scenic views, and skull and muscle drawings
- Includes color paleo-distribution maps and a color time line



### A Pocket Guide to Sharks of the World – Second Edition

David A. Ebert  
9780691218748

£16.99 • \$19.95 • Paperback

Nature / Animals / Marine Life

June 2021

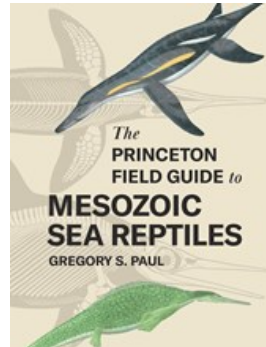
Princeton University Press

#### An updated and comprehensive guide identifying all of the world's sharks

Sharks are some of the most misunderstood animals on the planet. We still have a lot to learn about these fascinating creatures, which are more seriously threatened with extinction and in greater need of conservation and management than any other major group of vertebrates.

*A Pocket Guide to Sharks of the World* is the only field guide to identify, illustrate, and describe every known shark species. Its compact format makes it handy for many situations, including recognizing living species, fishery catches, or parts sold at markets. This expanded second edition presents lavish images, details on newly discovered species, and updated text throughout. The book contains useful sections on identifying shark teeth and the shark fins most commonly encountered in the fin trade, and takes a look at shark biology, ecology, and conservation. *A Pocket Guide to Sharks of the World* will be an essential resource and definitive reference for years to come.

- An updated guide to all of the world's sharks
- Each species is illustrated and described
- Handy, compact format with concise text
- Useful sections on the identification of shark teeth and fins



### The Princeton Field Guide to Mesozoic Sea Reptiles

Gregory S. Paul  
9780691193809

£30.00 • \$35.00 • Hardcover

Nature / Animals / Dinosaurs & Prehistoric  
Creatures

October 2022

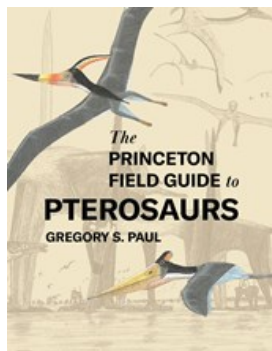
Princeton University Press

#### An authoritative illustrated guide to the mighty reptiles that dominated the seas of the Mesozoic for 185 million years

New discoveries are revealing that many ancient oceangoing reptiles were energetic animals capable of inhabiting an array of watery habitats and climates, including polar winters. *The Princeton Field Guide to Mesozoic Sea Reptiles* provides the most up-to-date and comprehensive coverage of the great Mesozoic groups that commanded the seas for tens of millions of years. This incredible field guide covers 435 species and features stunning illustrations of swimming reptiles ranging in size from little lizards to others with great necks longer than their bodies. It discusses the history of sea reptiles through 185 million years of the Mesozoic, their anatomy, physiology, locomotion, reproduction and growth, and extinction, and even gives a taste of what it might be like to travel back to the Mesozoic. This one-of-a-kind guide also challenges the common image of these reptiles as giants of the prehistoric waters, showing how the largest weighed far less than today's biggest whales.

- Features detailed species accounts of 435 different kinds of sea reptiles, with the latest size and mass estimates
- Written and illustrated by the acclaimed researcher and artist who helped to redefine our understanding of dinosaur anatomy
- Describes placodonts, plesiosaurs, ichthyosaurs, mosasaurs, sea snakes, sea turtles, marine crocs, and more
- Covers everything from biology to the colorful history of sea reptile paleontology
- Includes dozens of original skeletal drawings and full-color life scenes





### The Princeton Field Guide to Pterosaurs

Gregory S. Paul  
9780691180175

£25.00 • \$29.95 • Hardcover

Nature / Animals / Dinosaurs & Prehistoric

Creatures

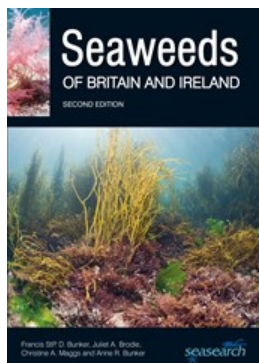
June 2022

Princeton University Press

**The most up-to-date and authoritative illustrated guide to the marvelous flying reptiles that dominated the skies of the Mesozoic for 160 million years**

Once seen by some as evolutionary dead-enders, pterosaurs were vigorous winged reptiles capable of thriving in an array of habitats and climates, including polar winters. *The Princeton Field Guide to Pterosaurs* transforms our understanding of these great Mesozoic archosaurs of the air. This incredible guide covers 115 pterosaur species and features stunning illustrations of pterosaurs ranging in size from swallows to small sailplanes, some with enormous, bizarre head crests and elongated beaks. It discusses the history of pterosaurs through 160 million years of the Mesozoic—including their anatomy, physiology, locomotion, reproduction, growth, and extinction—and even gives a taste of what it might be like to travel back to the Mesozoic. This one-of-a-kind guide also challenges the common image of big pterosaurs as ultralights that only soared, showing how these spectacular creatures could be powerful flappers as heavy as bears.

- Features detailed species accounts of 115 different kinds of pterosaurs, with the latest size and mass estimates
- Written and illustrated by the acclaimed researcher and artist who helped to redefine the anatomy and flight performance of pterosaurs
- Covers everything from pterosaur biology to the colorful history of pterosaur paleontology
- Includes dozens of original skeletal drawings and full-color life studies



### Seaweeds of Britain and Ireland – Second Edition

Francis Bunker  
9780995567337

£20.00 • \$26.95 • Paperback

Nature / Plants / Aquatic

September 2019

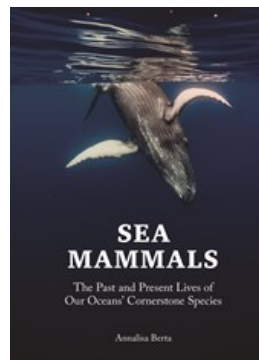
Princeton University Press

The cool temperate waters of the British and Irish seas contain an astonishing 6% of the world's algal species, more than 600 different seaweeds, and yet most divers, snorkellers and rockpoolers can put names to only a handful of them.

The first edition of *Seaweeds of Britain and Ireland* has proved invaluable to an enormous number of people, not just volunteer Seasearch divers and snorkellers, and this eagerly awaited second edition will no doubt prove to be equally as popular. The aim of this book is to introduce the reader to the wonderful marine environment around Britain and Ireland, and improve identification of the wealth of seaweeds so often overlooked.

Features of the new edition include:

- Over 230 species described in detail with colour photographs, information on size, habitat and distribution maps
- Over 50 new species, many with information on how to identify to species level using microscopic features
- Key distinguishing features and areas of identity confusion highlighted
- Colour and form used to group species and aid identification using dichotomous keys
- Details of life histories and reproductive processes for the main seaweed groups
- Both scientific and English names used for species and groups
- A glossary of common and specialised terms



### Sea Mammals – The Past and Present Lives of Our Oceans' Cornerstone Species

Annalisa Berta

9780691236643

£25.00 • \$29.95 • Hardcover

Nature / Animals / Mammals

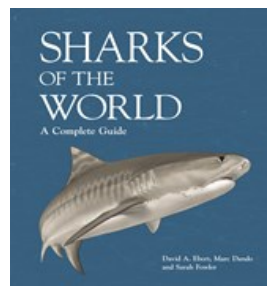
September 2023

Princeton University Press

**A richly illustrated introduction to the world's living and extinct sea mammals**

From the gregarious sea otter and playful dolphins to the sociable narwhal and iconic polar bear, sea mammals are a large, diverse, and increasingly precious group. In this book, Annalisa Berta, a leading expert on sea mammals and their evolution, presents an engaging and richly illustrated introduction to past and present species of these remarkable creatures, from the blue whale and the northern fur seal to the extinct giant sperm whale, aquatic sloth, and walking sea cow.

The book features more than 50 individual species profiles, themed chapters, stunning photographs, and specially commissioned paleo-illustrations of extinct species. It presents detailed accounts of these mammals' evolutionary path, anatomy, behavior, habitats, and conservation. And because these are key species that complete many food chains and have the widest influence of all sea life, the book also offers insights into a broad variety of marine worlds today and in the future.



### Sharks of the World – A Complete Guide

David A. Ebert

9780691205991

£48.00 • \$58.00 • Hardcover

Nature / Animals / Marine Life

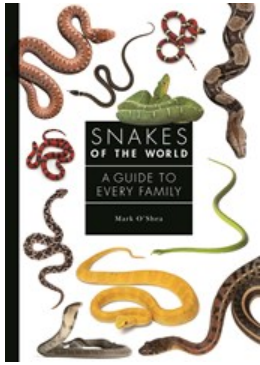
June 2021

Princeton University Press

**The most comprehensive reference guide to the world's sharks—now fully revised and updated**

*Sharks of the World* is the essential illustrated guide for anyone interested in these magnificent creatures. Now fully revised and updated, it covers 536 of the world's shark species and is packed with colour illustrations, colour photos and informative diagrams. This comprehensive, easy-to-use reference guide incorporates the latest taxonomic revisions of many shark families, featuring many species that were only described in recent years. It also includes a completely revised and expanded introduction and updated line drawings throughout.

- Covers 536 shark species from around the world
- Features updated species accounts, illustrations and maps
- Gives an illustrated overview of shark biology, ecology and conservation
- Includes fin identification guides
- Provides a colour distribution map for every species



### Snakes of the World - A Guide to Every Family

Mark O'Shea  
9780691240664

£25.00 • \$29.95 • Hardcover

Nature / Animals / Reptiles & Amphibians

March 2023

Princeton University Press

**A gorgeously illustrated guide to the incredible diversity of snakes around the world**

Snakes are found on every continent except Antarctica and have evolved to occupy a vast range of habitats, from mountains to oceans and deserts to rain forests. *Snakes of the World* explores their extraordinary diversity, with an in-depth introduction covering anatomy, behavior, habitats, reproduction, conservation, and other essential topics. This expert guide also includes profiles of some of the approximately 4,000 species of snakes, featuring examples from every family and subfamily.

Each family profile highlights the remarkable appearance, characteristics, and lifestyle of notable snake species. Covering how snakes use venom or constriction to subdue their prey, how a snake's appearance can aid camouflage or boast of its killing capacity, and how habitat destruction is jeopardizing the future of many species, *Snakes of the World* is an invaluable guide to these fascinating reptiles.

- Features more than 200 stunning color photographs
- Presents species profiles with a commentary, distribution map, and table of information
- Includes examples from every snake family and subfamily



### Treepedia - A Brief Compendium of Arboreal Lore

Joan Maloof  
9780691208756

£10.99 • \$16.95 • Hardcover

Nature / Plants / Trees

August 2021

Princeton University Press

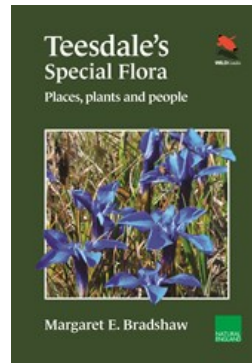
**A captivating A-Z treasury for the tree hugger in all of us**

*Treepedia* is an entertaining and fact-filled illustrated compendium of tree lore. Featuring nearly 100 entries—on topics ranging from tree ecology and conservation to the role of trees in religion, literature, art, and movies—this enticing collection is a celebration of all things arboreal.

In this charming book, Joan Maloof explains the difference between a cedar and a cypress, and reveals where to find the most remarkable trees on the planet. She tells the story behind the venerable Bodhi Tree, and describes peculiar species like baobabs and Fitzroya. Maloof profiles legendary conservationists such as Julia "Butterfly" Hill, John Muir, Wangari Maathai, and Ken Wu. She discusses reforestation, proforestation, emerald ash borers, the ents from *The Lord of the Rings*, culturally modified trees, the ill-fated and controversial Redwood Summer, and much more. The book's portable size makes it the perfect travel companion no matter where your love of the forest may lead you.

With enchanting illustrations by Maren Westfall, *Treepedia* is a fun and informative book that is guaranteed to inspire anyone who has ever enjoyed a walk in the woods.

- Features a cloth cover with an elaborate foil-stamped design
- Uses 100 percent recycled, uncoated, wood-free paper



### Teesdale's Special Flora - Places, Plants and People

Margaret E. Bradshaw  
9780691251332

£14.99 • \$17.95 • Paperback

Nature / Plants / Flowers

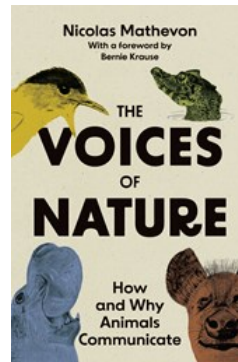
February 2023

Princeton University Press - WILDGuides

**A definitive and richly illustrated guide to the botanically unique area of Upper Teesdale in England's County Durham**

To anyone who loves the wild flowers of Great Britain and Ireland, there are some places that beckon time and again, such as The Lizard in Cornwall, The Burren in Ireland's County Clare and Ben Lawers in Perthshire, Scotland. Upper Teesdale in England's County Durham must, however, be included among these jewels of our botanical heritage. This locality, which is within sight of the highest point of the Pennines, has an outstanding and special flora that has been shaped by its altitude, land-use patterns and diverse geology. Many of the plants found here are rare and localized, while others are more common and widespread, but together they form the botanically unique Teesdale Assemblage. For this reason, Upper Teesdale is a hotspot for botanists. It is also a scenically beautiful area, located within easy reach of the industrial heartlands of the north-east, and is much visited by walkers and tourists. This book offers visitors unique insights about this area and its botanical riches.

- Presents the first account to cover together the places, plants and people of this special area
- Features more than 330 stunning photographs
- Includes detailed profiles of 96 plants that make up the Teesdale Assemblage
- Offers a history of Teesdale's botanical exploration and describes the people who live, work and study plants there today
- Provides an overview of environmental threats and what is required to ensure a sustainable future



### The Voices of Nature - How and Why Animals Communicate

Nicolas Mathevon  
9780691236759

£28.00 • \$32.00 • Hardcover

Science / Life Sciences / Zoology / Ethology

(Animal Behavior)

August 2023

Princeton University Press

**Songs, barks, roars, hoots, squeals, and growls: exploring the mysteries of how animals communicate by sound**

What is the meaning of a bird's song, a baboon's bark, an owl's hoot, or a dolphin's clicks? In *The Voices of Nature*, Nicolas Mathevon explores the mysteries of animal sound. Putting readers in the middle of animal soundscapes that range from the steamy heat of the Amazon jungle to the icy terrain of the Arctic, Mathevon reveals the amazing variety of animal vocalizations. He describes how animals use sound to express emotion, to choose a mate, to trick others, to mark their territory, to call for help, and much more. What may seem like random chirps, squawks, and cries are actually signals that, like our human words, allow animals to carry on conversations with others.

Mathevon explains how the science of bioacoustics works to decipher the ways animals make and hear sounds, what information is encoded in these sound signals, and what this information is used for in daily life. Drawing on these findings as well as observations in the wild, Mathevon describes, among many other things, how animals communicate with their offspring, how they exchange information despite ambient noise, how sound travels underwater, how birds and mammals learn to vocalize, and even how animals express emotion through sound. Finally, Mathevon asks if these vocalizations, complex and expressive as they are, amount to language.

For readers who have wondered about the meaning behind a robin's song or cicadas' relentless "chik-tchik-tchik," this book offers a listening guide to the endlessly varied concert of nature.

<hr/> <b>Animals of the Serengeti – And Ngorongoro Conservation Area</b>	Page • 11	<hr/> <b>The Ant Collective – Inside the World of an Ant Colony</b>	Page • 1
<hr/> <b>Aquatic Plants of Northern and Central Europe including Britain and Ireland</b>	Page • 11	<hr/> <b>At Every Depth – Our Growing Knowledge of the Changing Oceans</b>	Page • 1
<hr/> <b>Avian Architecture Revised and Expanded Edition – How Birds Design, Engineer, and Build</b>	Page • 1	<hr/> <b>Beetles of the World – A Natural History</b>	Page • 11
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