



# Princeton Biology

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2021-2022





“A perfect blend of cutting-edge science and compelling storytelling.”  
—Bill Bryson

A revolutionary new vision of human biology and the scientific breakthroughs that will transform our lives

## The Secret Body

Imagine knowing years in advance whether you are likely to get cancer, or having a personalized understanding of your individual genes, organs, and cells. Imagine being able to monitor your body's well-being, or have a diet tailored to your microbiome. *The Secret Body* reveals how these and other stunning breakthroughs and technologies are transforming our understanding of how the human body works, what it is capable of, how to protect it from disease, and how we might manipulate it in the future.

Taking readers to the cutting edge of research, Daniel Davis shows how radical new possibilities are becoming realities thanks to the visionary efforts of scientists to reveal the invisible and secret universe within each of us. Focusing on six important frontiers, Davis describes what we are learning about cells, the development of the fetus, the body's immune system, the brain, the microbiome, and the genome—areas of human biology that are usually understood in isolation. Bringing them together here for the first time, Davis offers a new vision of the human body as a biological wonder of dizzying complexity and possibility.

Written by an award-winning scientist at the forefront of this adventure, *The Secret Body* is a gripping drama of discovery and a landmark account of the dawning revolution in human health.

**Daniel M. Davis** is professor of immunology at the University of Manchester. He is the author of *The Beautiful Cure* and *The Compatibility Gene*.

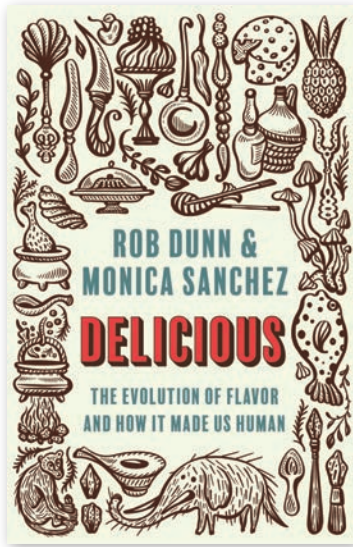
August 2021. 224 pages.

Hardback 9780691210582

\$24.95

ebook 9780691230481

Not for sale in the Commonwealth and the European Union



A savory account of how the pursuit of delicious foods shaped human evolution

## Delicious

Nature, it has been said, invites us to eat by appetite and rewards by flavor. But what exactly are flavors? Why are some so pleasing while others are not? *Delicious* is a supremely entertaining foray into the heart of such questions. With generous helpings of warmth and wit, Rob Dunn and Monica Sanchez offer bold new perspectives on why food is enjoyable and how the pursuit of delicious flavors has guided the course of human history.

**Rob Dunn** is professor of applied ecology at North Carolina State University and in the Center for Evolutionary Hologenomics at the University of Copenhagen. His books include *Never Home Alone*. **Monica Sanchez** is a medical anthropologist who studies the cultural aspects of health and well-being.

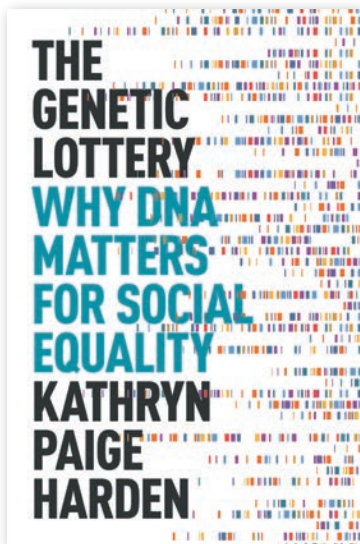
2021. 304 pages. 25 b/w illus. 1 table.

Hardback 9780691199474

\$27.95 | £20.00

ebook 9780691218342

Audiobook 9780691225944



A provocative and timely case for how the science of genetics can help create a more just and equal society

## The Genetic Lottery

In recent years, scientists like Kathryn Paige Harden have shown that DNA makes us different, in our personalities and in our health—and in ways that matter for educational and economic success in our current society. In *The Genetic Lottery*, Harden introduces readers to the latest genetic science, dismantling dangerous ideas about racial superiority and challenging us to grapple with what equality really means in a world where people are born different.

**Kathryn Paige Harden** is professor of clinical psychology at the University of Texas at Austin, where she is director of the Developmental Behavior Genetics Lab and codirector of the Twin Project.

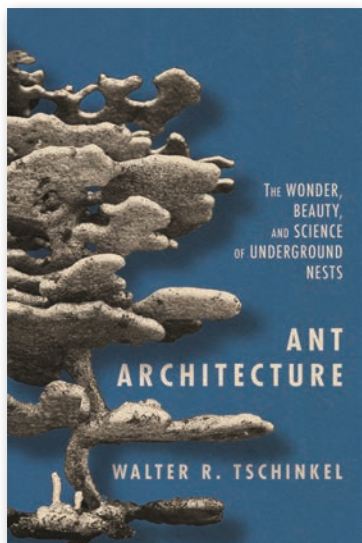
September 2021. 320 pages. 22 b/w illus.

Hardback 9780691190808

\$29.95 | £25.00

ebook 9780691226705

Audiobook 9780691234762



An unprecedented look at the complex and beautiful world of underground ant architecture

## Ant Architecture

Walter Tschinkel has spent much of his career investigating the hidden subterranean realm of ant nests. This wonderfully illustrated book takes you inside an unseen world where thousands of ants build intricate homes in the soil beneath our feet. Offering a unique look at how simple methods can lead to pioneering science, *Ant Architecture* addresses the unsolved mysteries of underground ant nests while charting new directions for tomorrow's research, and reflects on the role of beauty in nature and the joys of shoestring science.

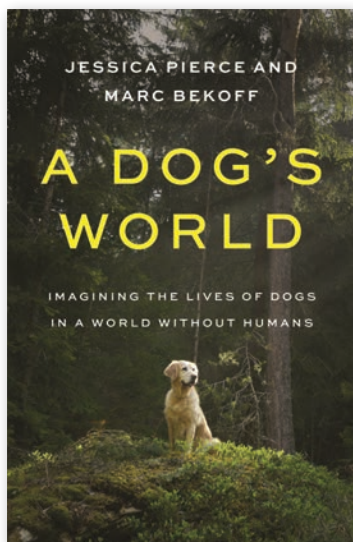
**Walter R. Tschinkel** is professor emeritus of biological science at Florida State University and a world authority on ant biology. He is the author of *The Fire Ants*.

June 2021. 248 pages, 105 color illus.

Hardback 9780691179315

\$29.95 | £25.00

ebook 9780691218496



From two of the world's leading authorities on dogs, an imaginative journey into a future of dogs without people

## A Dog's World

What would happen to dogs if humans simply disappeared? Would dogs be able to survive on their own without us? *A Dog's World* imagines a post-human future for dogs, revealing how dogs would survive—and possibly even thrive—and explaining how this new and revolutionary perspective can guide how we interact with dogs now. Challenging the notion that dogs would be helpless without their human counterparts, *A Dog's World* enables us to understand these independent and remarkably intelligent animals on their own terms.

**Jessica Pierce** is a faculty affiliate at the Center for Bioethics and Humanities at the University of Colorado Anschutz Medical School. **Marc Bekoff** is professor emeritus of ecology and evolutionary biology at the University of Colorado Boulder.

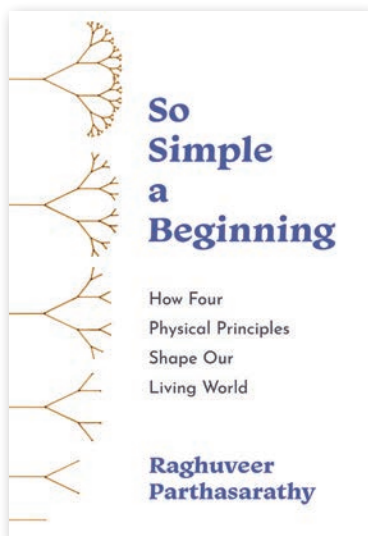
October 2021. 208 pages, 17 b/w illus.

Hardback 9780691196183

\$22.95 | £17.99

ebook 9780691228969





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

## So Simple a Beginning

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 while helping enable potentially lifesaving but controversial technologies such as gene editing, artificial organ growth, and ecosystem engineering.

**Raghuveer Parthasarathy** is the Alec and Kay Keith Professor of Physics at the University of Oregon, where he is a member of the Institute of Molecular Biology and the Materials Science Institute.

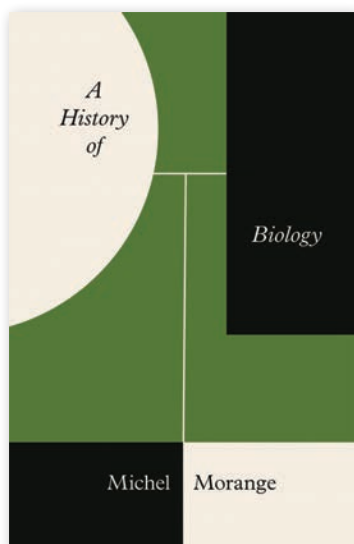
January 2022. 320 pages. 119 color illus. 1 table.

Hardback 9780691200408

\$35.00 | £28.00

ebook 9780691231617

Audiobook 9780691234861



"This is a book to treasure and one that I will refer to again and again."

—Daniel M. Davis, author of *The Beautiful Cure* and *The Secret Body*

## A History of Biology

This book presents a global history of the biological sciences from ancient times to today, providing needed perspective on the development of biological thought while shedding light on the field's upheavals and key breakthroughs through the ages. Michel Morange brings to life the dynamic interplay of science, society, and biology's many subdisciplines, enabling readers to better appreciate the interdisciplinary exchanges that have shaped the field over the centuries.

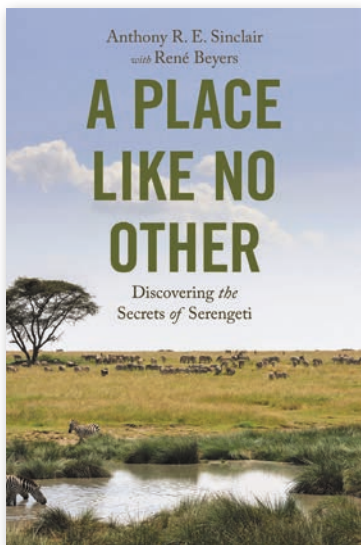
**Michel Morange** is professor emeritus at the Institute for the History and Philosophy of Sciences and Techniques at the University of Paris 1 Panthéon-Sorbonne. His books include *The Black Box of Biology: A History of the Molecular Revolution*, *Life Explained*, and *The Misunderstood Gene*.

2021. 448 pages.

Hardback 9780691175409

\$29.95 | £25.00

ebook 9780691188782



From famed zoologist Anthony Sinclair, an account of his decades-long quest to understand one of Earth's most spectacular ecosystems

## A Place Like No Other

With its rich biodiversity, astounding wildlife, and breathtaking animal migrations, Serengeti is like no other ecosystem on the planet. Blending vivid storytelling with invaluable scientific insights from Sinclair's pioneering fieldwork in Africa, *A Place Like No Other* reveals how Serengeti holds timely lessons for the restoration and conservation of our vital ecosystems.

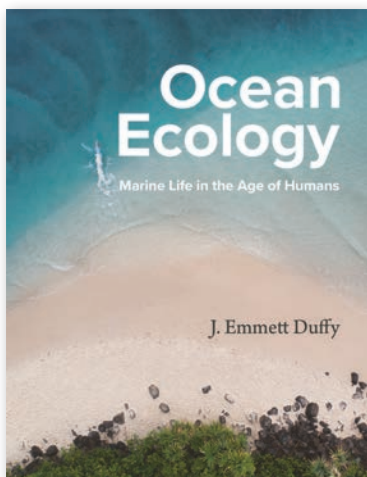
**Anthony R. E. Sinclair** is professor emeritus of zoology at the University of British Columbia and one of the world's leading Serengeti researchers. His books include *Serengeti Story: Life and Science in the World's Greatest Wildlife Region*. **René Beyers** is a research associate in the Department of Zoology at the University of British Columbia.

October 2021. 232 pages. 47 b/w illus.

Hardback 9780691222332

\$29.95 | £25.00

ebook 9780691222349



A comprehensive introduction to ocean ecology and a new way of thinking about ocean life

## Ocean Ecology

Marine ecology is more interdisciplinary, broader in scope, and more intimately linked to human activities than ever before. *Ocean Ecology* provides advanced undergraduates, graduate students, and practitioners with an integrated approach to marine ecology that reflects these new scientific realities, and prepares students for the challenges of studying and managing the ocean as a complex adaptive system. This authoritative and accessible textbook advances a framework based on interactions among four major features of marine ecosystems—geomorphology, the abiotic environment, biodiversity, and biogeochemistry—and shows how life is a driver of environmental conditions and dynamics.

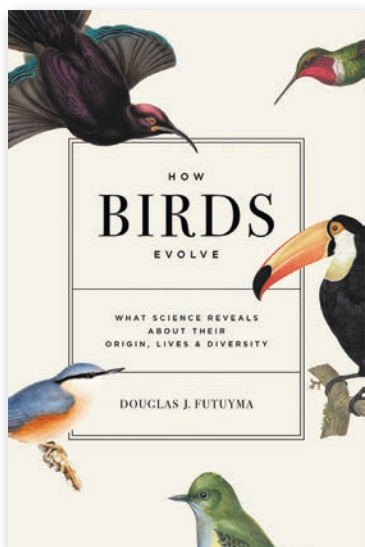
**J. Emmett Duffy** is director of the Smithsonian Institution's Tennenbaum Marine Observatories Network and Marine-GEO program.

August 2021. 464 pages. 100 color + 100 b/w illus. 7 tables.

Hardback 9780691161556

\$80.00 | £62.00

ebook 9780691190532



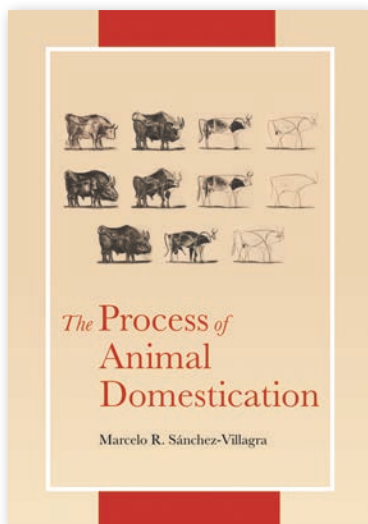
A marvelous journey into the world of bird evolution

## How Birds Evolve

*How Birds Evolve* explores how evolution has shaped the distinctive characteristics and behaviors we observe in birds today. Douglas Futuyma describes how evolutionary science illuminates the wonders of birds, ranging over topics such as the meaning and origin of species, the evolutionary history of bird diversity, and the evolution of avian reproductive behaviors, plumage ornaments, and social behaviors.

**Douglas Futuyma** is Distinguished Professor Emeritus in the Department of Ecology and Evolution at Stony Brook University, State University of New York. His books include *Evolution* and *Science on Trial: The Case for Evolution*. He is a member of the American Academy of Arts and Sciences and the National Academy of Sciences.

October 2021. 248 pages. 48 color + 67 b/w illus. 4 tables.  
Hardback 9780691182629 \$29.95 | £25.00 ebook 9780691227269



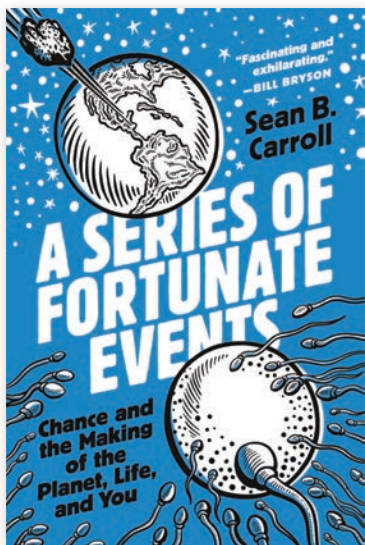
The first modern scholarly synthesis of animal domestication

## The Process of Animal Domestication

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

**Marcelo R. Sánchez-Villagra** is professor of paleobiology and director of the Palaeontological Institute and Museum at the University of Zurich. He is the author of *Embryos in Deep Time*.

December 2021. 296 pages. 16 color + 102 b/w illus. 9 tables.  
Paperback 9780691217673 \$45.00 | £35.00 ebook 9780691217680  
Hardback 9780691217666 \$110.00 | £85.00



“Fascinating and exhilarating—Sean B. Carroll at his very best.”

—Bill Bryson, author of *The Body: A Guide for Occupants*

## A Series of Fortunate Events

Why is the world the way it is? How did we get here? Does everything happen for a reason or are some things left to chance? Philosophers and theologians have pondered these questions for millennia, but startling scientific discoveries over the past half century are revealing that we live in a world driven by chance. *A Series of Fortunate Events* tells the story of the awesome power of chance and how it is the surprising source of all the beauty and diversity in the living world.

**Sean B. Carroll** is an award-winning scientist, writer, educator, and film producer. He is Vice President for Science Education at the Howard Hughes Medical Institute and the Baló-Simon Chair of Biology at the University of Maryland.

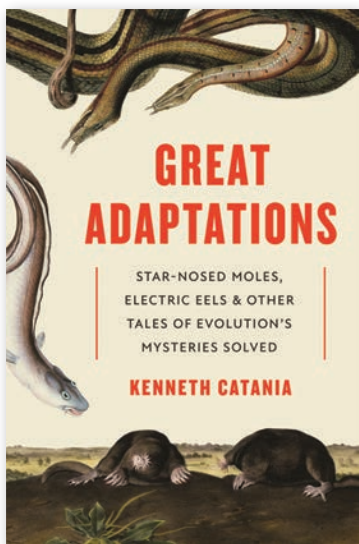
2020. 224 pages. 40 b/w illus. 1 table.

Hardback 9780691201757

\$22.95 | £17.99

ebook 9780691209548

Audiobook 9780691212098



“The irresistible enthusiasm of *Great Adaptations* couldn’t come at a better time.”

—David P. Barash, *Wall Street Journal*

## Great Adaptations

From star-nosed moles that have super-sensing snouts to electric eels that paralyze their prey, animals possess unique and extraordinary abilities. In *Great Adaptations*, Kenneth Catania presents an entertaining and engaging look at some of nature’s most remarkable creatures. Telling the story of his biological detective work, Catania sheds light on the mysteries behind the behaviors of tentacled snakes, tiny shrews, zombie-making wasps, and more. Examining some strange and spectacular creatures, *Great Adaptations* offers a wondrous journey into nature’s grand designs.

**Kenneth Catania** is the Stevenson Professor of Biological Sciences at Vanderbilt University.

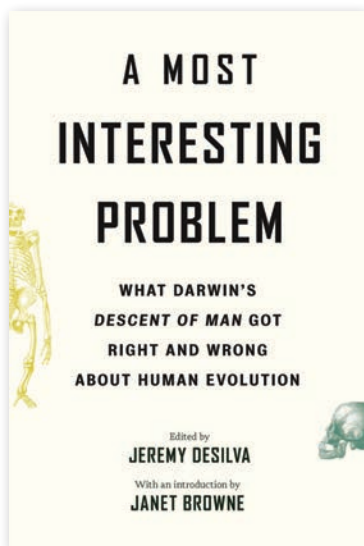
2020. 224 pages. 8-page color insert. 58 b/w illus.

Hardback 9780691195254

\$27.95 | £22.00

ebook 9780691209555





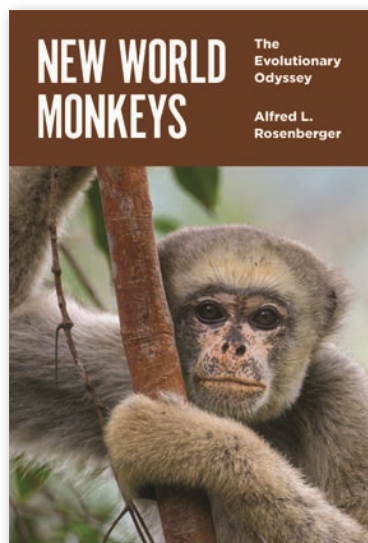
Leading scholars take stock of Darwin's ideas about human evolution in the light of modern science

## A Most Interesting Problem

In 1871, Charles Darwin published *The Descent of Man*, a companion to *Origin of Species* in which he attempted to explain human evolution, a topic he called “the highest and most interesting problem for the naturalist.” *A Most Interesting Problem* brings together twelve world-class scholars and science communicators to investigate what Darwin got right—and what he got wrong—about the origin, history, and biological variation of humans.

**Jeremy DeSilva** is associate professor of anthropology at Dartmouth College.

2021. 288 pages. 19 b/w illus.  
Hardback 9780691191140 \$27.95 | £22.00 ebook 9780691210810



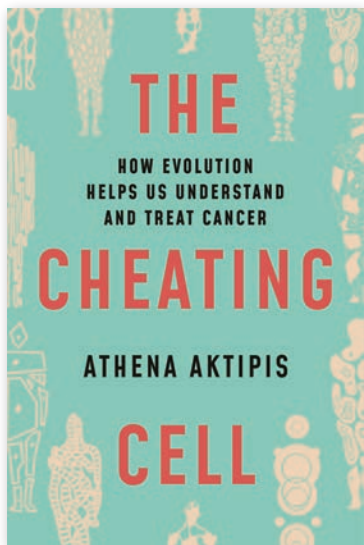
A comprehensive account of the origins, evolution, and behavior of South and Central American primates

## New World Monkeys

*New World Monkeys* brings to life the beauty of evolution and biodiversity in action among South and Central American primates, who are now at risk. These tree-dwelling rainforest inhabitants display an unparalleled variety in size, shape, hands, feet, tails, brains, locomotion, feeding, social systems, forms of communication, and mating strategies. Primatologist Alfred Rosenberger, one of the foremost experts on these mammals, explains their fascinating adaptations and how they came about.

**Alfred L. Rosenberger** is professor emeritus of anthropology and archaeology at Brooklyn College and the City University of New York Graduate Center. His work has been published in *Nature* and in many other scientific journals and books.

2020. 368 pages. 16-page color insert. 55 b/w illus. 10 tables. 1 map.  
Hardback 9780691143644 \$39.95 | £30.00 ebook 9780691189512



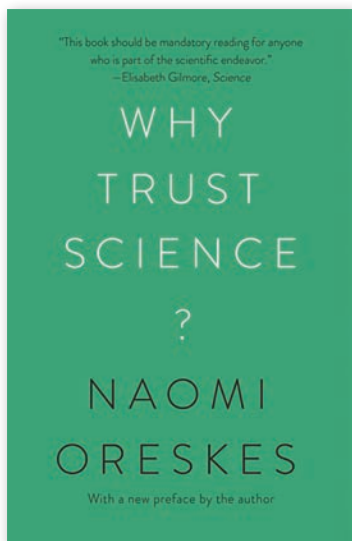
A fundamental and groundbreaking reassessment of how we view and manage cancer

## The Cheating Cell

When we think of the forces driving cancer, we don't necessarily think of evolution. But evolution and cancer are closely linked, for the historical processes that created life also created cancer. *The Cheating Cell* delves into this extraordinary relationship, and shows that by understanding cancer's evolutionary origins, researchers can come up with more effective, revolutionary treatments.

**Athena Aktipis** is associate professor in the Department of Psychology and in the Arizona Cancer Evolution Center at Arizona State University and cofounder of the International Society for Evolution, Ecology and Cancer.

September 2021. 256 pages. 19 b/w illus.  
 Paperback 9780691212197 \$17.95 | £14.99 ebook 9780691186085  
 Audiobook 9780691205090



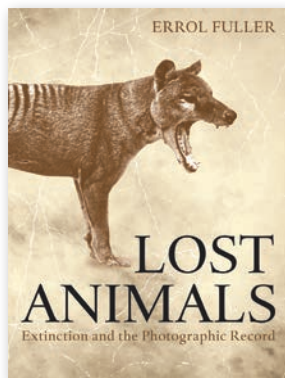
"This book should be mandatory reading for anyone who is part of the scientific endeavor."  
 —Elisabeth Gilmore, *Science*

## Why Trust Science?

Are doctors right when they tell us vaccines are safe? Should we take climate experts at their word when they warn us about the perils of global warming? Why should we trust science when so many of our political leaders don't? Naomi Oreskes offers a bold and compelling defense of science, revealing why the social character of scientific knowledge is its greatest strength—and the greatest reason we can trust it.

**Naomi Oreskes** is the Henry Charles Lea Professor of the History of Science and affiliated professor of Earth and planetary sciences at Harvard University.

2021. 392 pages. 2 b/w illus. 1 table.  
 Paperback 9780691212265 \$18.95 | £14.99 ebook 9780691222370  
 Audiobook 9780691199139



A haunting photographic record of extinction

## Lost Animals

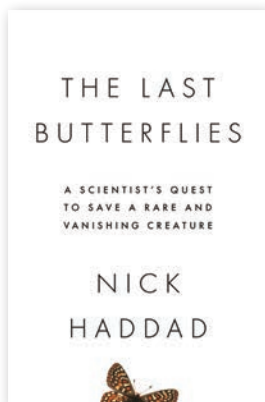
*Lost Animals* is a unique photographic record of extinction, presented by a world authority on vanished animals. Richly illustrated throughout, this handsome book features photographs dating from around 1870 to as recently as 2004, the year that witnessed the demise of the Hawaiian Po'ouli.

**Errol Fuller** is an acclaimed artist and writer, and a world authority on bird and animal extinction.

September 2021, 240 pages, 53 color + 95 b/w illus.

Paperback 9780691227153 \$24.95

For sale only in the United States, US Dependencies, and the Philippines



A remarkable look at the rarest butterflies, how global changes threaten their existence, and how we can bring them back from near-extinction

## The Last Butterflies

Drawing from his own first-hand experiences, Nick Haddad explores the challenges of tracking these vanishing butterflies, why they are disappearing, and why they are worth saving.

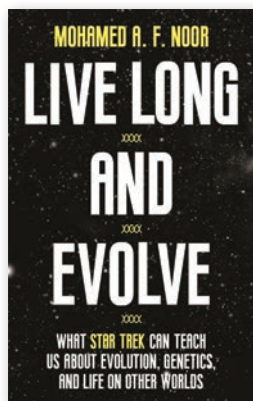
**Nick Haddad** is a professor and senior terrestrial ecologist in the Department of Integrative Biology and the W. K. Kellogg Biological Station at Michigan State University.

2021, 280 pages, 16 color plates + 7 b/w illus.

Paperback 9780691217178

\$18.95 | £14.99

ebook 9780691189628



An engaging journey into the biological principles underpinning a beloved science-fiction franchise

## Live Long and Evolve

Noor offers Trekkies, science-fiction fans, and anyone curious about how life works a cosmic gateway into introductory biology, including the definitions and origins of life, DNA, reproduction, and evolutionary processes.

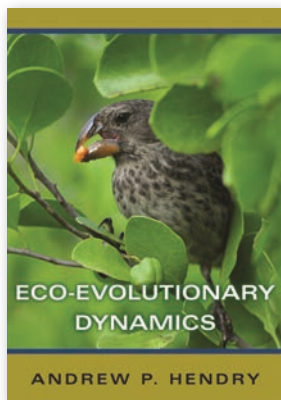
**Mohamed A. F. Noor**, besides being a Trekkie, is a professor in the Biology Department and the Dean of Natural Sciences at Duke University.

2020, 208 pages, 10 b/w illus.

Paperback 9780691203935

\$16.95 | £12.99

ebook 9780691184111



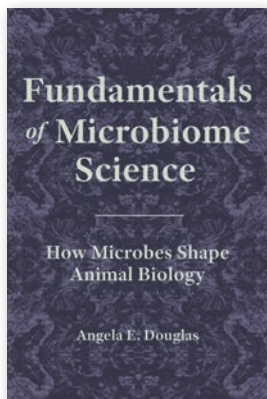
## Eco-evolutionary Dynamics

This book provides an authoritative and accessible introduction to eco-evolutionary dynamics, an exciting field that unifies evolution and ecology into a common conceptual framework focusing on rapid and dynamic ecological and evolutionary change. An essential introduction for students and researchers alike, *Eco-evolutionary Dynamics* reveals how evolution and ecology interact on short timescales to shape the world around us.

**Andrew P. Hendry** is professor in the Department of Biology and the Redpath Museum at McGill University.

2020. 416 pages. 101 b/w illus. 2 tables.

Paperback 9780691204178 \$45.00 | £35.00 ebook 9781400883080



## Fundamentals of Microbiome Science

An essential introduction to a cutting-edge field that is revolutionizing the life sciences, this book explains why microbiome science presents a more complete picture of the biology of humans and other animals, and how it can deliver novel therapies for many medical conditions and new strategies for pest control.

**Angela E. Douglas** is the Daljit S. and Elaine Sarkaria Professor of Insect Physiology and Toxicology at Cornell University. Her books include *The Symbiotic Habit* (Princeton) and *Symbiotic Interactions*.

2021. 248 pages. 76 b/w illus. 2 tables.

Paperback 9780691217710 \$27.95 | £22.00 ebook 9781400889822



## The Scientist's Guide to Writing, 2nd Edition

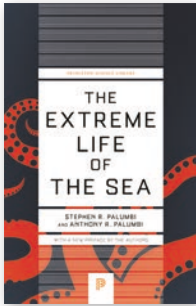
*The Scientist's Guide to Writing* explains the essential techniques that students, postdocs, and early-career scientists need to write more clearly, efficiently, and easily. Now fully updated and expanded, this incisive primer offers practical advice on such topics as how to generate and maintain writing momentum, structuring a scientific paper, revising a first draft, handling citations, responding to peer reviews, managing coauthorships, and more.

**Stephen B. Heard** is professor of biology at the University of New Brunswick in Canada.

January 2022. 320 pages. 17 b/w illus.

Paperback 9780691219189 \$24.95 | £20.00 ebook 9780691219196  
Hardback 9780691219202 \$110.00 | £85.00

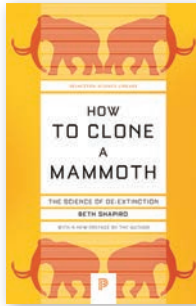




**The Extreme Life of the Sea**

Stephen R. Palumbi  
& Anthony R. Palumbi

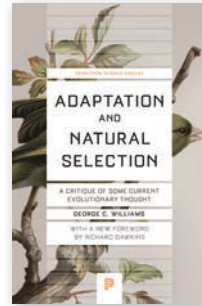
Paper 9780691229232 \$17.95 | £14.99  
ebook 9780691230191



**How to Clone a Mammoth**

Beth Shapiro

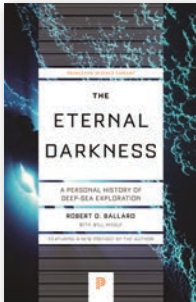
Paper 9780691209005 \$14.95 | £11.99  
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**Adaptation and Natural Selection**

George C. Williams

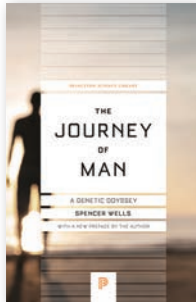
Paper 9780691182865 \$22.95 | £17.99  
ebook 9780691185507



**The Eternal Darkness**

Robert D. Ballard

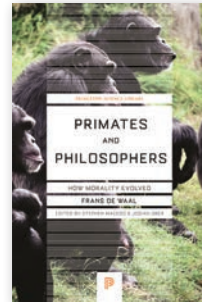
Paper 9780691175621 \$24.95 | £20.00



**The Journey of Man**

Spencer Wells

Paper 9780691176017 \$16.95 | £12.99  
Not for sale in the Commonwealth  
(excluding Canada), and Europe and Asst  
countries



**Primates and Philosophers**

Frans de Waal

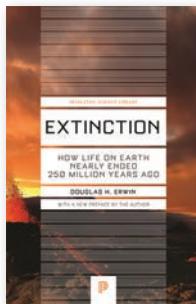
Paper 9780691169163 \$17.95 | £14.99  
ebook 9781400830336



**Why Big Fierce Animals Are Rare**

Paul A. Colinvaux

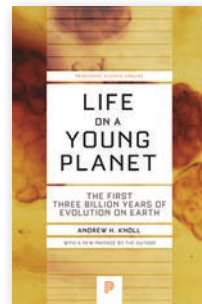
Paper 9780691178080 \$18.95 | £14.99  
Not for sale in the Commonwealth (except  
Canada and Australia)



**Extinction**

Douglas H. Erwin

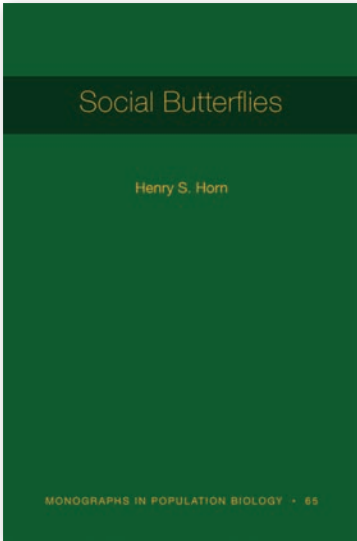
Paper 9780691165653 \$19.95 | £14.99  
ebook 9781400866052



**Life on a Young Planet**

Andrew H. Knoll

Paper 9780691165530 \$19.95 | £14.99  
ebook 9781400866045



An ecologist's investigation of the social lives of butterflies

## Social Butterflies

Throughout his career, Henry Horn took a unique approach to the study of butterflies. This book brings together his findings with recent advances in behavioral ecology to provide an incomparable look at the social lives of butterflies, illuminating for the first time the marvelously diverse range of butterfly behaviors across several species. Charting new directions for future research, *Social Butterflies* poses intriguing questions about the complex and sometimes mystifying social behaviors of these marvelous creatures, making it essential reading for lepidopterists, ecologists, and anyone interested in the social behaviors of invertebrate species.

**Henry S. Horn** (1941–2019) was professor emeritus of ecology and evolutionary biology at Princeton University.

August 2021. 296 pages. 96 b/w illus. 23 tables.

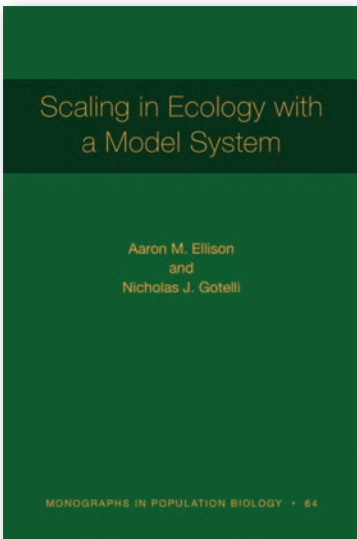
Paperback 9780691206301

\$39.95 | £30.00

ebook 9780691212685

Hardback 9780691206295

\$120.00 | £94.00



A groundbreaking approach to scale and scaling in ecological theory and practice

## Scaling in Ecology with a Model System

Scale is one of the most important concepts in ecology, yet researchers often find it difficult to find ecological systems that lend themselves to its study. *Scaling in Ecology with a Model System* synthesizes nearly three decades of research on the ecology of *Sarracenia purpurea*—the northern pitcher plant—showing how this carnivorous plant and its associated food web of microbes and macrobes can inform the challenging question of scaling in ecology.

**Aaron M. Ellison** is the Senior Research Fellow in Ecology at Harvard University. **Nicholas J. Gotelli** is the George H. Perkins Professor of Zoology at the University of Vermont.

August 2021. 336 pages. 95 b/w illus. 24 tables.

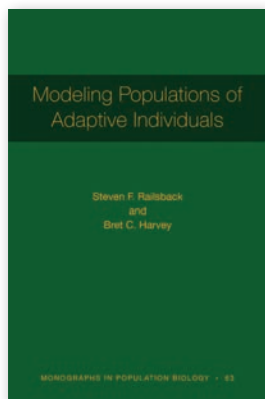
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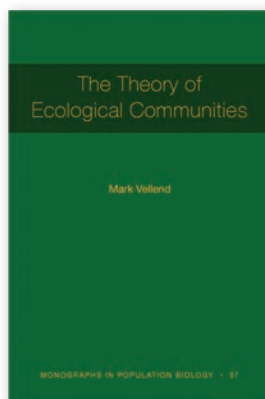
## Modeling Populations of Adaptive Individuals

This book provides a comprehensive introduction to state- and prediction-based theory, or SPT, a new approach to modeling trade-off behaviors in contexts such as individual-based population models where feedbacks and variability make optimization impossible.

**Steven F. Railsback** is adjunct professor of mathematics at Humboldt State University and a consulting ecologist. **Bret C. Harvey** is an aquatic ecologist with the US Forest Service and adjunct professor of fisheries biology at Humboldt State.

2020. 208 pages. 34 b/w illus.

Paperback 9780691195285 \$40.00 | £30.00 ebook 9780691195377



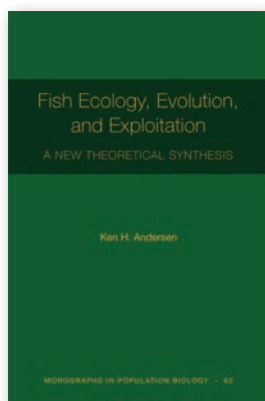
## The Theory of Ecological Communities

Mark Vellend builds a theory of ecological communities based on four overarching processes: selection among species, drift, dispersal, and speciation. Reframing the numerous existing ideas in community ecology, *The Theory of Ecological Communities* provides a new way for thinking about biological composition and diversity.

**Mark Vellend** is professor of biology at the Université de Sherbrooke. He is a 2015 recipient of an E. W. R. Steacie Fellowship from the Natural Sciences and Engineering Research Council of Canada.

2020. 248 pages. 58 b/w illus. 9 tables.

Paperback 9780691208992 \$35.00 | £28.00 ebook 9781400883790



## Fish Ecology, Evolution, and Exploitation

Accessible to ecologists with a basic quantitative background, this incisive book unifies the thinking in ecology and fisheries science and is an indispensable reference for anyone seeking to apply size- and trait-based models to fish demography, fisheries impact assessments, and fish evolutionary ecology.

**Ken H. Andersen** is professor of theoretical marine ecology and deputy director of the Centre for Ocean Life at the Technical University of Denmark's National Institute of Aquatic Resources.

2019. 280 pages. 71 b/w illus. 10 tables.

Paperback 9780691192956 \$40.00 | £30.00 ebook 9780691189260  
Hardback 9780691176550 \$120.00 | £94.00



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

## Dinopedia

*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. 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.

**Darren Naish** is an author, illustrator, and zoologist affiliated with the University of Southampton, and has worked as a consultant for museums, traveling exhibitions, and media outlets such as the BBC.

Pedia Books

September 2021. 216 pages. 50 b/w illus.

Hardback 9780691212029

\$16.95 | £9.99

ebook 9780691228600



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

## Treepedia

*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. 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.

**Joan Maloof** is founder and director of the Old-Growth Forest Network, a national organization that works to save threatened forests, and professor emerita of biological sciences at Salisbury University. Her books include *Nature's Temples* and *Teaching the Trees*. **Maren Westfall** is an illustrator, designer, and photographer.

Pedia Books

August 2021. 152 pages. 43 b/w illus.

Hardback 9780691208756

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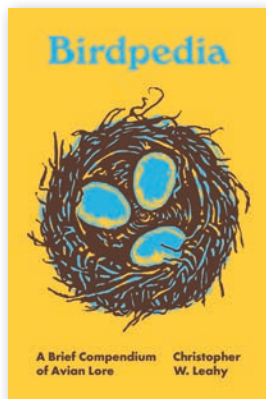


## Florapedia

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.

**Carol Gracie** is a naturalist, photographer, and lecturer with a special interest in plants and insects. **Amy Jean Porter** is an artist, illustrator, and naturalist.

Pedia Books  
2021. 200 pages. 53 b/w illus.  
Hardback 9780691211404 \$16.95 | £9.99 ebook 9780691217543

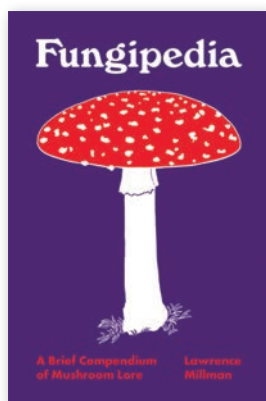


## Birdpedia

*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 W. Leahy** holds the Gerard A. Bertrand Chair of Natural History and Field Ornithology (Emeritus) at the Massachusetts Audubon Society. **Abby McBride** is a sketch biologist. She travels globally to write and illustrate stories about ecological research.

Pedia Books  
July 2021. 272 pages. 50 b/w illus.  
Hardback 9780691209661 \$16.95 | £9.99 ebook 9780691218236



## Fungipedia

*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.

**Lawrence Millman** is a mycologist and author of numerous books, including *Our Like Will Not Be There Again*, *Last Places*, *Fascinating Fungi of New England*, and *At the End of the World*. **Amy Jean Porter** is an artist, illustrator, and naturalist.

Pedia Books  
2019. 200 pages. 51 b/w illus.  
Hardback 9780691194721 \$16.95 | £9.99 ebook 9780691195384



A richly illustrated exploration of the world's seaweeds and algae

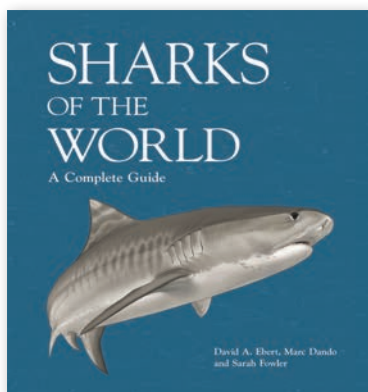
## The Lives of Seaweeds

*The Lives of Seaweeds* presents an inside look at the remarkable world of seaweeds and other algae. Coming in all colors, shapes, and sizes, from unicellular and bioluminescent algae to giant kelps, seaweeds and algae are omnipresent, forming the basis of most marine food webs. They are also the most numerous photosynthetic organisms on Earth and provide seventy percent of the planet's oxygen. Featuring hundreds of beautiful images, this book takes a deep dive to explore the unique traits and characteristics of seaweeds and other algae.

**Julie A. Phillips** is an environmental consultant, marine biologist, and algal specialist with Eco Algae Research. Previously, Phillips was a research fellow at the University of Queensland and Monash University.

November 2021. 288 pages. 150 color photos and illus.

Hardback 9780691228556 \$29.95 | £25.00 ebook 9780691230177



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

## Sharks of the World

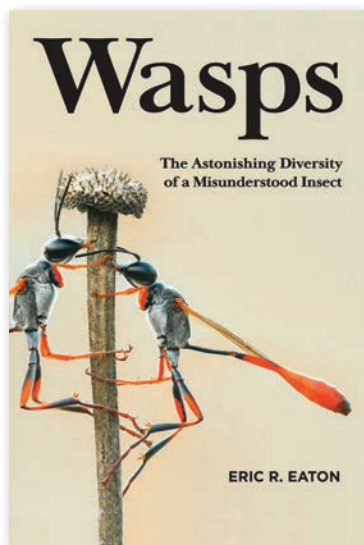
*Sharks of the World* is the essential illustrated guide for anyone interested in these magnificent creatures. Now fully revised and updated, it covers more than 525 of the world's shark species and is packed with colour illustrations, colour photos and informative diagrams. This comprehensive, easy-to-use reference guide incorporates the latest taxonomic revisions of many shark families, featuring many species that were only described in recent years.

**David A. Ebert** is program director of the Pacific Shark Research Center and a research faculty member at Moss Landing Marine Laboratories. **Marc Dando** is a scientific illustrator and publisher. **Sarah Fowler** is cofounder of the Shark Trust and the European Elasmobranch Association.

Wild Nature Press

July 2021. 608 pages. 2000+ color photos and illus.

Hardback 9780691205991 \$49.95 | £40.00 ebook 9780691210872



The ultimate visual journey into the beautiful and complex world of wasps

## Wasps

Wasps are far more diverse than the familiar yellowjackets and hornets that harass picnickers and build nests under the eaves of our homes. These amazing, mostly solitary creatures thrive in nearly every habitat on Earth, and their influence on our lives is overwhelmingly beneficial. Written by a leading authority on these remarkable insects, *Wasps* reveals a world of staggering variety and endless fascination.

**Eric R. Eaton** is a writer, editor, and consultant who has worked as an entomologist for several leading institutions, including the Smithsonian and the Cincinnati Zoo and Botanical Garden. He is the lead author of the *Kaufman Field Guide to Insects of North America* and the coauthor of *Insects Did It First*.

2021. 256 pages. 150 color photos.

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\$29.95 | £25.00

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The only portable full-color photographic guide to the most commonly seen bees east of the Mississippi River

## Common Bees of Eastern North America

Bees play a vitally important role in the pollination of native plants and agricultural crops around the globe. *Common Bees of Eastern North America* is the first species-level photographic field guide to the most commonly seen bees in the eastern United States and Canada. Full of essential facts about the natural history of these magnificent creatures, this is the must-have field guide for naturalists and backyard gardeners alike.

**Olivia Messinger Carril** is an independent scholar who has been studying bees for more than two decades. **Joseph S. Wilson** is associate professor of biology at Utah State University and an expert on the evolution and ecology of bees and wasps.

Princeton Field Guides

July 2021. 288 pages. 125 b/w + 500 color photos. 125 maps.

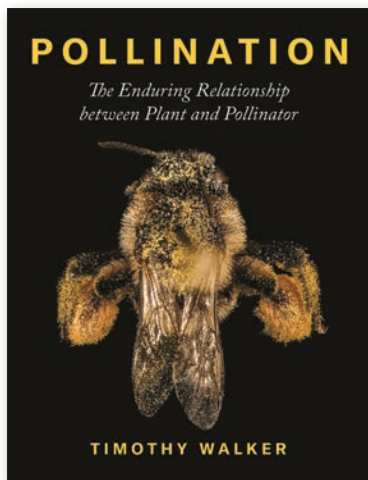
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An enticing illustrated look at pollination, one of the most astonishing marvels of the natural world

## Pollination

Pollination is essential to the survival of most plants on Earth. Some plants rely on the wind to transport pollen from one flower to another. Others employ an array of ingenious strategies to attract and exploit pollinators, whether they be insects, birds, or mammals. This beautifully illustrated book provides an unprecedented look at the wonders of pollination biology, drawing on the latest science to explain the extraordinarily complex relationship between plant and pollinator, and revealing why pollination is vital for healthy ecosystems and a healthy planet.

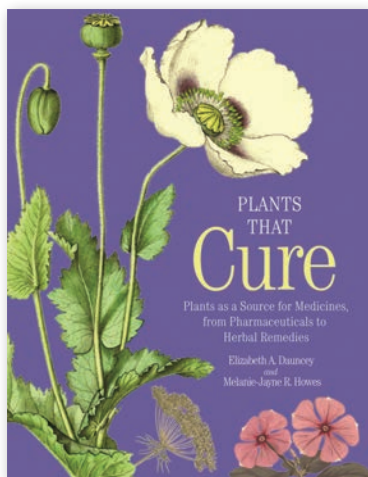
**Timothy Walker** is lecturer in plant sciences at Somerville College, University of Oxford. He is the author of *Plant Conservation: Why It Matters and How It Works*, *Plants: A Very Short Introduction*, and *Euphorbias*.

2020. 224 pages. 350 color illus.

Hardback 9780691203751

\$29.95 | £25.00

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A full-color illustrated guide to the natural history of plants with medicinal properties

## Plants That Cure

Of the nearly 400,000 plants that have evolved on Earth, around seven percent of them have been used in traditional herbal medicine or as local remedies. More recently, scientific studies have revealed how plants may be sources of important medicines, often in the form of single isolated compounds. *Plants That Cure* explores these critical compounds and the plants that produce them.

**Elizabeth A. Dauncey** is a freelance plant toxicologist. She is the coauthor of *Plants That Kill: A Natural History of the World's Most Poisonous Plants* (Princeton) and the author of *Poisonous Plants: A Guide for Parents and Childcare Providers*.

**Melanie-Jayne R. Howes** is a pharmacist and chartered chemist. She leads research in phytochemistry and pharmacognosy at the Royal Botanic Gardens, Kew and is the coauthor of *The Gardener's Companion to Medicinal Plants*.

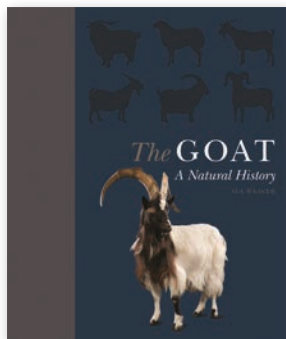
2020. 224 pages. 250 color photos. 45 color + 50 b/w illus.

Hardback 9780691200187

\$29.95

For sale only in the United States, US Dependencies, and Canada



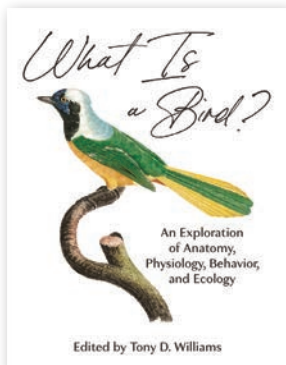


## The Goat

It may come as no surprise that goats are highly intelligent. They are also curious, gentle, independent, social, and full of character. Among the first domesticated animals, goats are increasingly appreciated today as pets and for their adaptability to a wide variety of environmental conditions. *The Goat* is a comprehensive, illustrated exploration of the natural and cultural history of this important animal.

**Sue Weaver** is an expert on goats and sheep and the author of many books on livestock and poultry.

2020. 224 pages. 250 color illus.  
Hardback 9780691191331 \$27.95 ebook 9780691208527  
For sale only in the United States, US Dependencies, and Canada



## What Is a Bird?

There are some 10,000 bird species in existence today, occupying every continent and virtually every habitat on Earth. The variety of bird species is truly astounding, from the tiny bee hummingbird to the large flightless ostrich, making birds one of the most diverse and successful animal groups on the planet. Taking you inside the extraordinary world of birds, *What Is a Bird?* explores all aspects of these remarkable creatures.

**Tony D. Williams, Scott McWilliams, Julia A. Clarke, Elizabeth MacDougall-Shackleton, Scott MacDougall-Shackleton, Frances Bonier & Chad Eliason**

2020. 368 pages. 400 color illus.  
Hardback 9780691200163 \$35.00 | £28.00 ebook 9780691211879

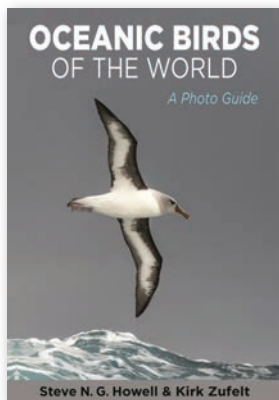


## Birds in Winter

*Birds in Winter* is the first book devoted to the ecology and behavior of birds during this most challenging season. Roger Pasquier explores how winter affects birds' lives all through the year, starting in late summer, when some begin caching food to retrieve months later and others form social groups lasting into the next spring. Filled with elegant line drawings, *Birds in Winter* describes how winter influences the lives of birds from the poles to the equator.

**Roger F. Pasquier**, a lifelong birder, is an associate in the Department of Ornithology at the American Museum of Natural History.

2019. 304 pages. 85 b/w illus. 4 maps.  
Hardback 9780691178554 \$29.95 | £25.00 ebook 9780691195438

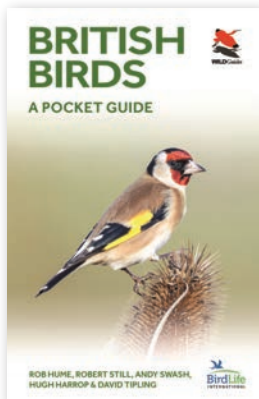


## Oceanic Birds of the World

Oceanic birds are among the most remarkable but least known of all birds, living at sea, far from the sight of most people. The first field guide to the world's oceanic birds in more than two decades, this exciting and authoritative book draws on decades of firsthand experience on the open seas.

**Steve N. G. Howell** is an international bird tour leader with WINGS and is widely recognized as one of the world's leading birders and an authority on oceanic birds. **Kirk Zufelt** is a physician with a lifelong passion for birds and natural history.

2019. 360 pages. 368 color plates. 114 maps.  
 Paperback 9780691175010 \$35.00 | £28.00 ebook 9780691197012



## British Birds

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. 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.

**Rob Hume, Robert Still, Andy Swash, Hugh Harrop & David Tipling**

WILDGuides  
 2019. 272 pages. 1,600 color + 259 b/w illus. 248 maps.  
 Paperback 9780691181677 \$12.99 | £9.99 ebook 9780691190587



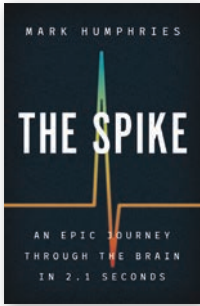
## Fungi of Temperate Europe

*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.

**Thomas Læssøe** is a mycologist and senior researcher at the Natural History Museum of Denmark. He has previously been a senior scientific officer at the Royal Botanic Gardens, Kew and associate professor at the University of Copenhagen. **Jens H. Petersen** is a mycologist, graphic designer and photographer. He taught mycology at Aarhus University for more than 20 years.

2019. 1708 pages. 7,000 color illus.  
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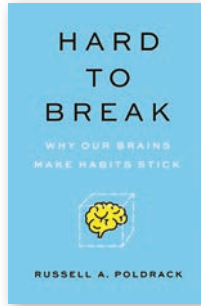
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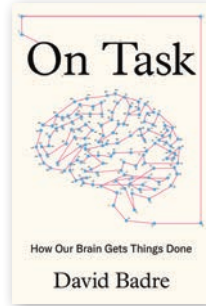


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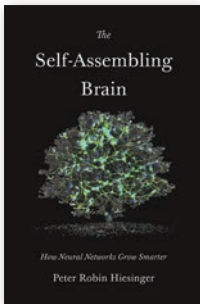


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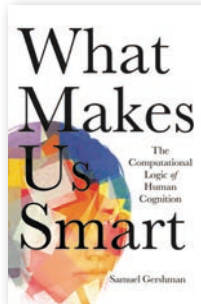


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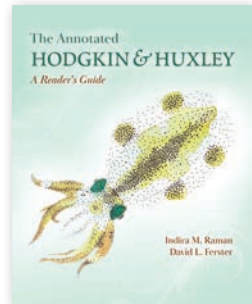
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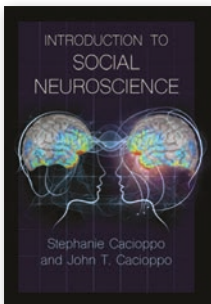
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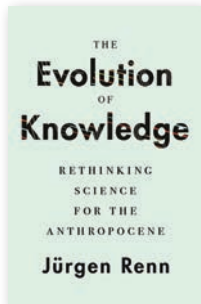
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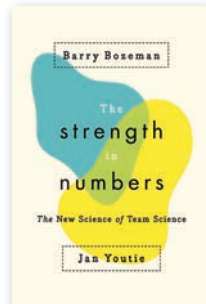


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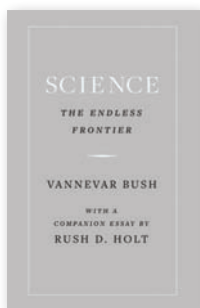
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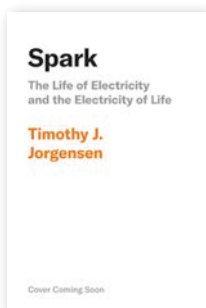
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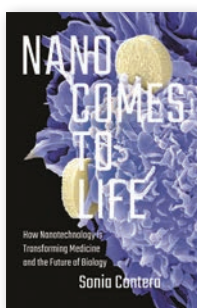
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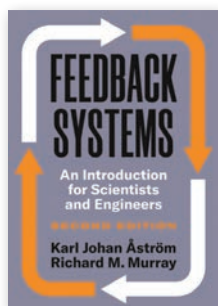
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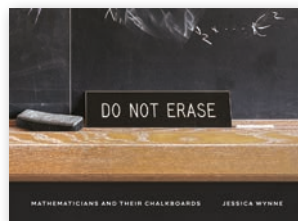
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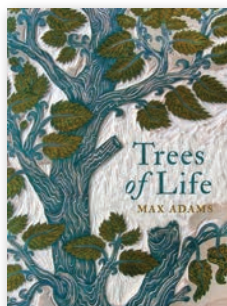
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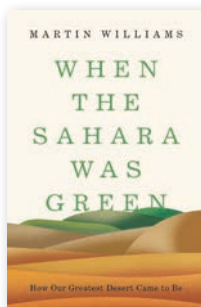
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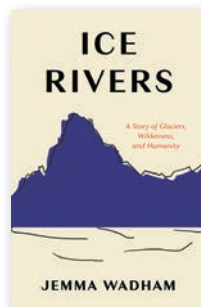
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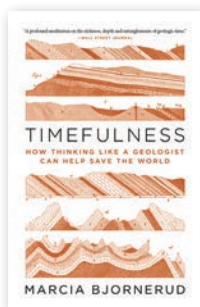
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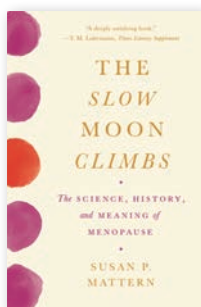


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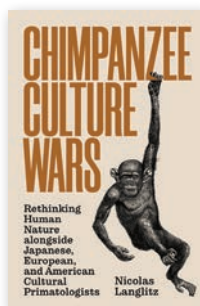


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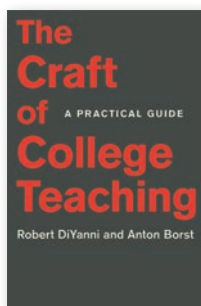
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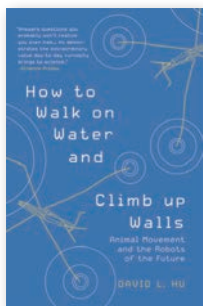
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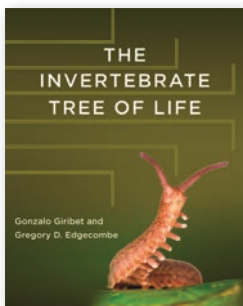


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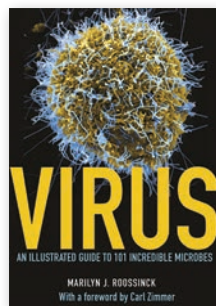
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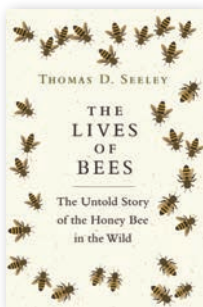
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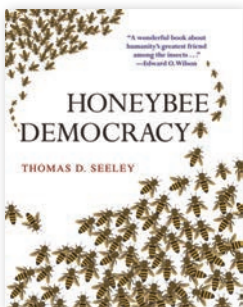
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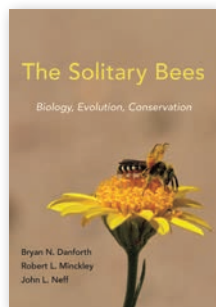
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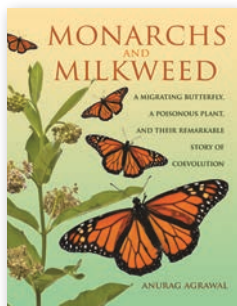
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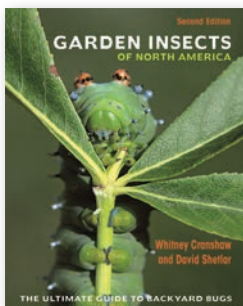
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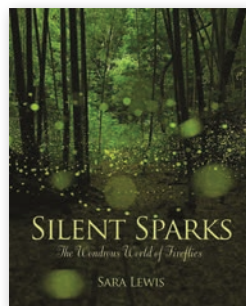
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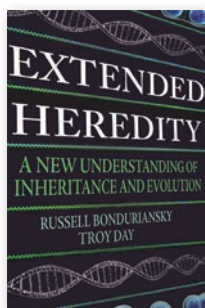
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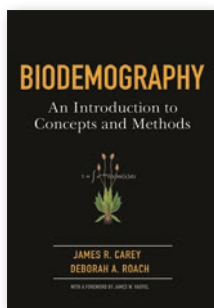


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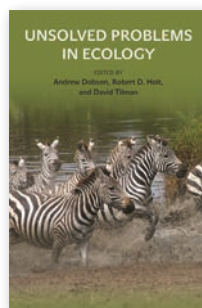


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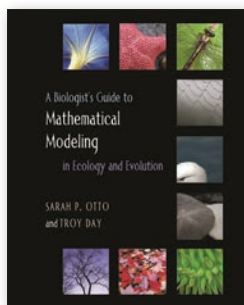
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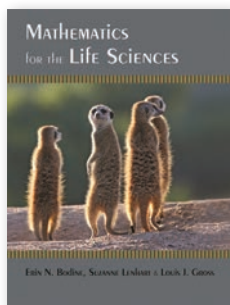


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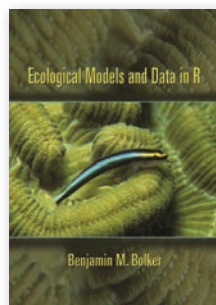


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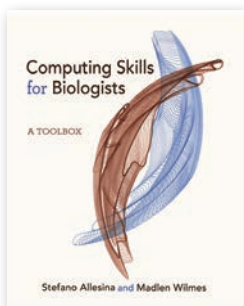


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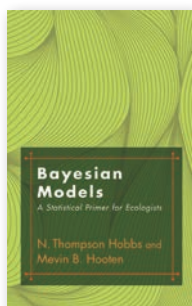
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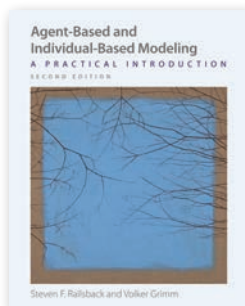


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