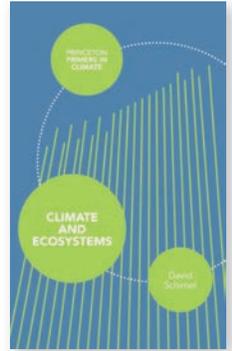
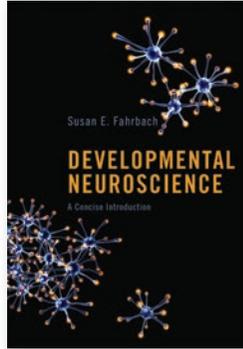
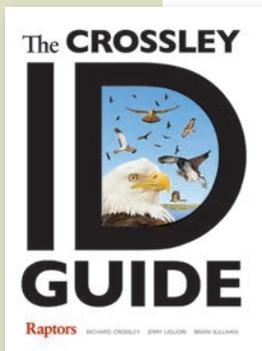
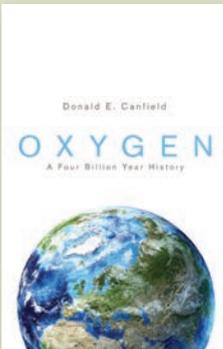
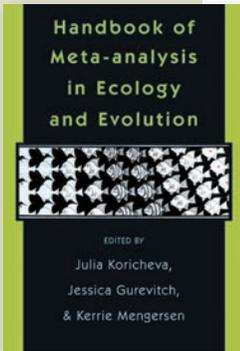
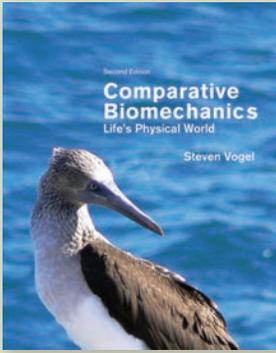


Biology
2013-2014





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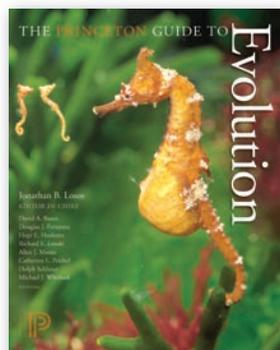
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Forthcoming

The Princeton Guide to Evolution

Jonathan B. Losos, editor in chief

David A. Baum, Douglas J. Futuyma, Hopi E. Hoekstra, Richard E. Lenski, Allen J. Moore, Catherine L. Peichel, Dolph Schluter & Michael C. Whitlock, editors



The Princeton Guide to Evolution is a comprehensive, concise, and authoritative reference to the major subjects and key concepts in evolutionary biology, from genes to mass extinctions. Edited by a distinguished team of evolutionary biologists, with contributions from leading researchers, the guide contains some 100 clear, accurate, and up-to-date articles on the most important topics in seven major areas: phylogenetics and the

history of life; selection and adaptation; evolutionary processes; genes, genomes, and phenotypes; speciation and macroevolution; evolution of behavior, society, and humans; and evolution and modern society. Complete with more than 100 illustrations (including eight pages in color), glossaries of key terms, suggestions for further reading on each topic, and an index, this is an essential volume for undergraduate and graduate students, scientists in related fields, and anyone else with a serious interest in evolution.

December 2013. 928 pages. 16 color illus. 4 halftones. 97 line illus. 23 tables. 1 map.
Cl: 978-0-691-14977-6 \$99.00 | £68.00

New

Randomness in Evolution

John Tyler Bonner

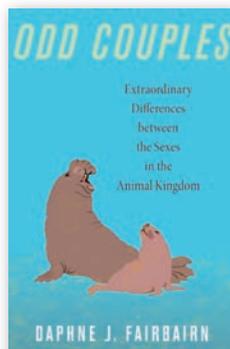


“John Tyler Bonner, a distinguished developmental biologist, has long argued that a major driving force in the evolution of complexity is natural selection for large size. Here he takes a radically different view to explain the diversity of form among eukaryotic microorganisms: randomness, not selection, rules their lives. This stimulating and provocative theme is explored with ideas from a variety of fields. It simultaneously introduces students to the nature of a debate on the causes of diversity.”
—Peter R. Grant, coauthor of *How and Why*

Species Multiply: The Radiation of Darwin's Finches

John Tyler Bonner, one of our most distinguished and insightful biologists, here challenges a central tenet of evolutionary biology. In this concise, elegantly written book, he makes the bold and provocative claim that some biological diversity may be explained by something other than natural selection.

2013. 152 pages. 4 halftones. 10 line illus.
Cl: 978-0-691-15701-6 \$27.95 | £19.95



New

Odd Couples

Extraordinary Differences between the Sexes in the Animal Kingdom

Daphne J. Fairbairn

“If you want to find out why adult male elephant seals can weigh more than four times as much as an adult female, whereas female blanket octopuses are truly enormous compared to their tiny male partners, this fascinating book is for you. Daphne Fairbairn not only introduces us to some exceptional animals but she also provides evolutionary explanations for why males are much larger (or much smaller) than females of their species. A great topic and a great read for layperson and biologist alike.”

—John Alcock, author of *Animal Behavior: An Evolutionary Approach*

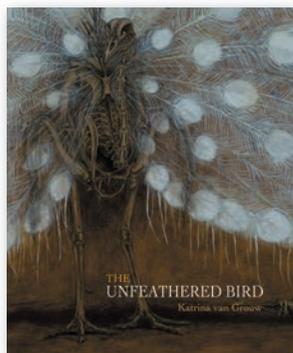
Looking at some of the most amazing creatures on the planet, *Odd Couples* sheds astonishing light on what it means to be male or female in the animal kingdom.

2013. 328 pages. 17 color illus. 5 halftones.
12 line illus. 7 tables.
Cl: 978-0-691-14196-1 \$27.95 | £19.95

New

The Unfeathered Bird

Katrina van Grouw



"A magnificent—and accessible—monograph on biodiversity."

—Annie Gottlieb, *Scientist*

"Van Grouw's focus on the skeleton rather than on external appearance gives the book a special power. Van Grouw's book was 25 years in the making: surprisingly quick, considering the work involved. An international list of friends, colleagues, farmers, conservationists—and the occasional taxidermist—donated dead birds for

her (and her taxidermist husband) to pluck, skin and boil down to their skeletons. And draw—exquisitely."

—Alison Abbott, *Nature*

There is more to a bird than simply feathers. And just because birds evolved from a single flying ancestor doesn't mean they are structurally all the same. With 385 stunning drawings depicting 200 species, *The Unfeathered Bird* is a richly illustrated book on bird anatomy that offers refreshingly original insights into what goes on beneath the feathered surface.

2012. 304 pages. 385 duotones/color illus.

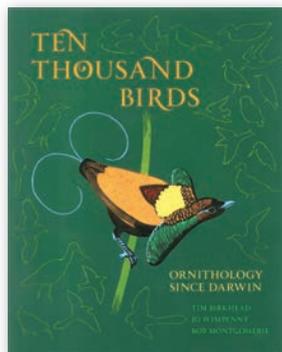
Cl: 978-0-691-15134-2 \$49.95 | £34.95

Forthcoming

Ten Thousand Birds

Ornithology since Darwin

Tim Birkhead, Jo Wimpenny & Bob Montgomerie



"This book fills an important and neglected niche. The mix of science, history, personality, and human interest is unique and one that people will find highly appealing. I found the prose not only engaging but downright riveting."

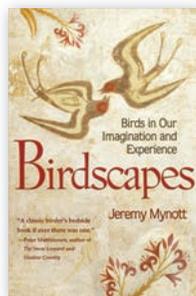
—Walt Koenig, coeditor of *Ecology and Evolution of Cooperative Breeding in Birds*

Ten Thousand Birds provides a thoroughly engaging and authoritative history of modern ornithology, tracing

how the study of birds has been shaped by a succession of visionary and often-controversial personalities, and by the unique social and scientific contexts in which these extraordinary individuals worked.

February 2014. 568 pages. 94 color illus. 60 halftones.

Cl: 978-0-691-15197-7 \$45.00 | £29.95



Birdscapes

Birds in Our Imagination and Experience

Jeremy Mynott

"The finest book ever written about why we watch birds...."

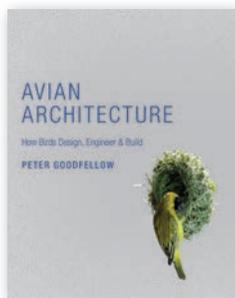
Mynott's lightness of touch, combined with his depth of knowledge, experience and above all perception, create a thought-provoking and compulsively readable book."

—Stephen Moss, *Guardian*

2012. 392 pages. 8 color illus. 32 halftones. 25 line illus.

Pa: 978-0-691-15428-2 \$19.95 | £13.95

Cl: 978-0-691-13539-7 \$29.95 | £19.95



Winner of the 2011 PROSE Award for Excellence in Popular Science & Popular Mathematics, Association of American Publishers

Avian Architecture

How Birds Design, Engineer, and Build

Peter Goodfellow

"A must have book if you have ever wondered how birds are able to build such incredible nests."

—*Birder's Report*

2011. 160 pages. 300 color illus.

Cl: 978-0-691-14849-6 \$27.95

For sale only in the United States and Canada

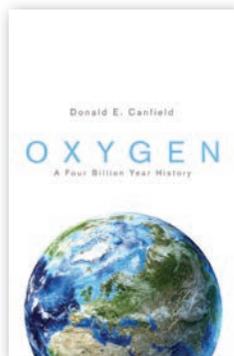
To receive notices about new books, subscribe for email at: press.princeton.edu/subscribe

Forthcoming

Oxygen

A Four Billion Year History

Donald E. Canfield



"In *Oxygen*, Don Canfield recounts two epics in one—the evolution of breathable air over the entirety of Earth history, and the equally engaging account of how scientists have reconstructed this history from chemical details in ancient rocks. Even those who know the story well, or think they do, will find much food for thought."

—Andrew Knoll, author of *Life on a Young Planet: The First Three Billion Years of Evolution on Earth*

Oxygen is the most current account of the history of atmospheric oxygen on Earth. Donald Canfield—one of the world's leading authorities on geochemistry, earth history, and the early oceans—covers this vast history, emphasizing its relationship to the evolution of life and the evolving chemistry of the Earth.

Science Essentials

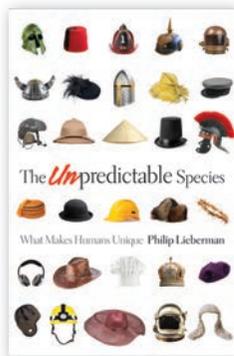
January 2014. 256 pages. 8 color illus. 20 halftones. 35 line illus.
CI: 978-0-691-14502-0 \$29.95 | £19.95

New

The Unpredictable Species

What Makes Humans Unique

Philip Lieberman

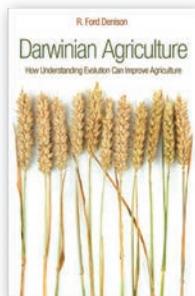


"In this wonderfully readable book, Lieberman argues that evolution has equipped humans with the most marvelous gift in the animal kingdom—the freedom to be unpredictable. *The Unpredictable Species* is educational, entertaining, challenging, aggravating, and convincing all at the same time. Anyone interested in the nature of *Homo sapiens* should own this book."

—Daniel L. Everett, author of *Language: The Cultural Tool*

The Unpredictable Species boldly upends scientifically controversial yet popular beliefs about how our brains actually work. Along the way, this compelling book provides insights into a host of topics related to human cognition, including associative learning, epigenetics, the skills required to be a samurai, and the causes of cognitive confusion on Mount Everest and of Parkinson's disease.

2013. 272 pages. 12 line illus.
CI: 978-0-691-14858-8 \$29.95 | £19.95



Darwinian Agriculture

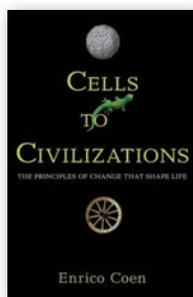
How Understanding Evolution Can Improve Agriculture

R. Ford Denison

"By challenging the status quo and infusing Darwinian principles more centrally into agricultural research, Denison invites readers to test his hypotheses, build on them, and think more creatively about how to feed the world. This I applaud."

—Allison A. Snow, *Science*

2012. 272 pages. 1 halftone. 4 line illus.
CI: 978-0-691-13950-0 \$39.50 | £27.95



Cells to Civilizations

The Principles of Change That Shape Life

Enrico Coen

"*Cells to Civilizations* will stimulate many productive discussions about the origins and development of life in all its complexities."

—Manfred D. Laubichler, *Science*

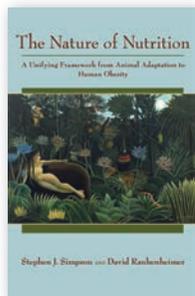
"[T]hought provoking, informative, and fun to read."

—*Choice*

2012. 344 pages. 20 color illus. 81 halftones. 9 line illus.
CI: 978-0-691-14967-7 \$29.95 | £19.95

The Nature of Nutrition

A Unifying Framework from Animal Adaptation to Human Obesity
Stephen J. Simpson & David Raubenheimer



"Debates continue to rage about what diet is best, in part because an underlying theoretical framework for choosing one over another has been lacking. Not so any longer. *The Nature of Nutrition* demystifies the complexity of nutrition and diet choice and shows why people and other creatures eat the way they do. Along the way, readers learn about the adaptive value of cannibalism, the impact of diet on sex lives, how dietary choices affect entire

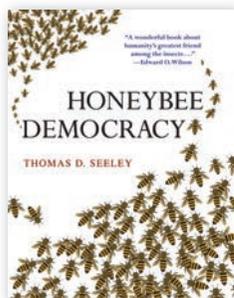
ecosystems, and so much more."

—Daniel Rubenstein, Princeton University

2012. 256 pages. 8 color illus. 61 line illus.
Cl: 978-0-691-14565-5 \$49.50 | £34.95

Honeybee Democracy

Thomas D. Seeley



"[S]plendid."

—John Whitfield, *Nature*

"The year's most enchanting science book."

—*Financial Times*

"Dr. Seeley is an engaging guide. His enthusiasm and admiration for honeybees is infectious. His accumulated research seems truly masterly, doing for bees what E. O. Wilson did for ants."

—Katherine Bouton, *New York Times*

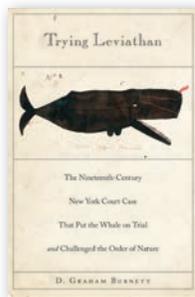
2010. 280 pages. 30 color illus. 30 halftones. 26 line illus. 1 table.
Cl: 978-0-691-14721-5 \$29.95 | £19.95

Winner of the 2007 Isabelle Hermalyn Book Award, Bronx County Historical Society
Winner of the 2007 New York City Book Award, New York Society Library

Trying Leviathan

The Nineteenth-Century New York Court Case That Put the Whale on Trial and Challenged the Order of Nature

D. Graham Burnett



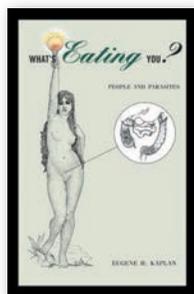
"Riveting."

—*New York Times*

"At once bewitching and bookish, with a Dickensian cast of characters... *Trying Leviathan* bristles with insights about the relationships between popular belief, democracy, science and the law that resonate with contemporary controversies over Darwinism and intelligent design."

—Glenn C. Altschuler, *New York Observer*

2010. 304 pages. 16 color plates. 17 halftones.
Pa: 978-0-691-14615-7 \$25.95 | £17.95



What's Eating You?

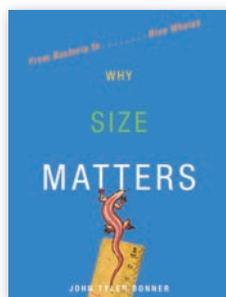
People and Parasites

Eugene H. Kaplan

"Take a rousing romp through the zoo of beasties that make a living invading our bodies. Kaplan, a professor of parasitology and himself a victim of amebic dysentery and 8-inch roundworms, gives a raucous crash course that blends surprising biology with macabre stories."

—*Discover Magazine*

2010. 320 pages. 30 b&w plates.
Cl: 978-0-691-14140-4 \$26.95 | £18.95



One of *Choice's* Outstanding Academic Titles for 2007

Why Size Matters

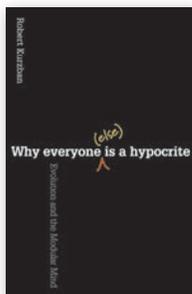
From Bacteria to Blue Whales

John Tyler Bonner

"Bonner argues that size is a driving force for all of biology... [H]e demonstrates convincingly [that] size dictates everything from an animal's shape and appearance to its locomotion, speed, voice and social organization."

—Wray Herbert, *Washington Post Book World*

2012. 176 pages. 35 line illus. 1 table.
Pa: 978-0-691-15233-2 \$12.95 | £8.95



Why Everyone (Else) Is a Hypocrite
Evolution and the Modular Mind
Robert Kurzban

"Using humour and anecdotes, [Kurzban] reveals how conflict between the modules of the mind leads to contradictory beliefs, vacillating behaviours, broken moral boundaries and inflated egos. He argues that we should think of ourselves not as 'I' but as 'we'—a collection of interacting systems that are in constant conflict."
—*Nature*

2012. 288 pages. 2 halftones. 1 line illus.
Pa: 978-0-691-15439-8 \$18.95 | £12.95
Cl: 978-0-691-14674-4 \$27.95 | £19.95

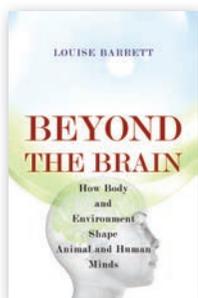


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Extinction
How Life on Earth Nearly Ended 250 Million Years Ago
Douglas H. Erwin

"*Extinction* provides a great reference for researchers and the interested lay reader alike."
—Andrew M. Bush, *Science*

2008. 320 pages. 32 halftones. 32 line illus.
Pa: 978-0-691-13628-8 \$25.95 | £17.95

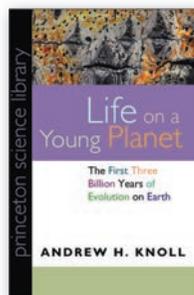


One of *Choice's* Outstanding Academic Titles for 2012

Beyond the Brain
How Body and Environment Shape Animal and Human Minds

Louise Barrett
"[T]his book provides an excellent synthesis of psychology, philosophy, robotics and biology on the topic of animal and human cognition."
—Sabine Tebbich, *Animal Behaviour*

2011. 288 pages. 14 line illus.
Cl: 978-0-691-12644-9 \$37.50 | £26.95

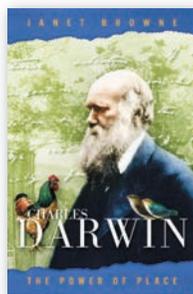


Winner of the 2003 Phi Beta Kappa Book Award in Science

Life on a Young Planet
The First Three Billion Years of Evolution on Earth
Andrew H. Knoll

"Andrew Knoll is an ideal guide through this early phase of life's history on the Earth."
—Stefan Bengtson, *Nature*

Princeton Science Library
2004. 296 pages. 6 color plates. 25 halftones. 47 line illus.
Pa: 978-0-691-12029-4 \$28.95 | £19.95

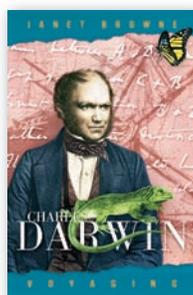


Winner of the 2004 Pfizer Prize, History of Science Society
Winner of the 2002 National Book Critics Circle Award for Biography

Charles Darwin
The Power of Place
Janet Browne

"[A] sprawling, magnificent biography. Integrating the best of current scholarship with her own discoveries, Browne's account is state of the art."
—Richard Milner, *Scientific American*

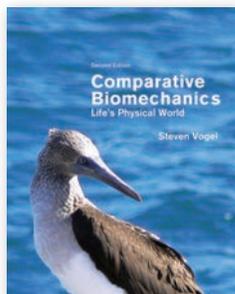
2003. 632 pages. 75 halftones.
Pa: 978-0-691-11439-2 \$30.95 | £21.95
Not for sale in the Commonwealth (except Canada)



Charles Darwin
Voyaging
Janet Browne

"There is no better chronicle of Darwin as human being, friend, and indefatigable scientist, nor anywhere a richer description of his milieu, his family life, his social circle, and his scientific connections... [Browne] knows how to spellbind the reader."
—Ernst Mayr, *Newsday*

1996. 632 pages. 75 halftones. 4 maps.
Pa: 978-0-691-02606-0 \$30.95 | £21.95
Not for sale in the Commonwealth (except Canada) and the Republic of Ireland



New
Second Edition
**Comparative
Biomechanics**
Life's Physical World
Steven Vogel

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—Daniel E. Lieberman, *Nature*

Comparative Biomechanics is the first and only textbook that takes a comprehensive look at the mechanical aspects of life.

2013. 640 pages. 15 halftones. 250 line illus. 40 tables.
Cl: 978-0-691-15566-1 \$99.50 | £69.95

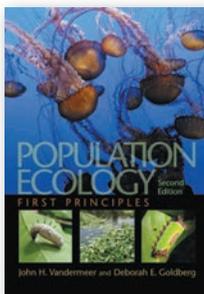


Physiological Ecology
How Animals Process Energy,
Nutrients, and Toxins
William H. Karasov &
Carlos Martinez del Rio

"[I]f animals and food webs are central to your interests, you should read this book."

—James J. Eiser, *BioScience*

2007. 744 pages. 40 halftones. 242 line illus.
Cl: 978-0-691-07453-5 \$92.50 | £64.00



Forthcoming
Second Edition
Population Ecology
First Principles
John H. Vandermeer &
Deborah E. Goldberg

Ecology is capturing the popular imagination like never before, with issues such as climate change, species extinctions, and habitat destruction becoming ever more prominent. At the same time, the science of ecology has advanced dramatically, growing in mathematical and theoretical sophistication. Here, two leading experts present the fundamental quantitative principles of ecology in an accessible yet rigorous way, introducing students to the most basic of all ecological subjects, the structure and dynamics of populations.

September 2013. 304 pages. 1 halftone.
129 line illus. 4 tables.
Pa: 978-0-691-16031-3 \$75.00 | £52.00
Cl: 978-0-691-16030-6 \$95.00 | £65.00

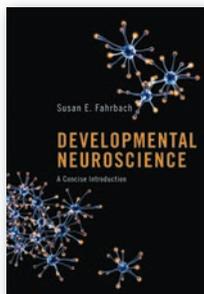
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Individual-Based Modeling**
A Practical Introduction
Steven F. Railsback &
Volker Grimm

"Railsback and Grimm provide a needed book on how to develop, code, and analyze agent-based models. They so expertly explain the art and science of modeling that even the most modeling-shy beginner will master the skills."

—Donald L. DeAngelis, U.S.

Geological Survey

2011. 352 pages. 62 line illus. 9 tables.
Pa: 978-0-691-13674-5 \$55.00 | £37.95
Cl: 978-0-691-13673-8 \$99.50 | £69.95

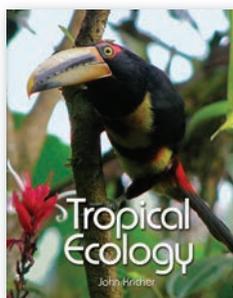


Forthcoming
**Developmental
Neuroscience**
A Concise Introduction
Susan E. Fahrback

"Written with a rare lucidity and grace, Susan Fahrback's *Developmental Neuroscience* offers a systematic and logical account of the development of nerve cells and nervous systems, human and otherwise. The book is lecture friendly and the supplementary reading questions are ideal for college courses. It will be of surpassing interest to professors seeking a current treatment of developmental neuroscience."

—Donald Pfaff editor of *Neuroscience in the 21st Century*

October 2013. 320 pages. 100 line illus.
Cl: 978-0-691-15098-7 \$75.00 | £52.00

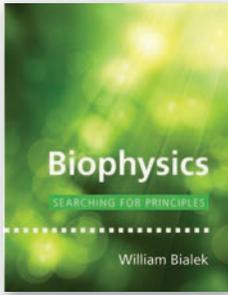


Tropical Ecology
John Kricher

"*Tropical Ecology* provides a superb introduction to the tropics."

—John G. Blake, *Biotropica*

2011. 640 pages. 672 color illus. 450 halftones.
285 line illus.
Cl: 978-0-691-11513-9 \$99.95 | £69.95

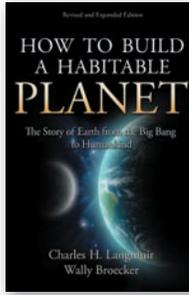


New
Biophysics
 Searching for Principles
 William Bialek

"This book is full of insights that were new to me. It explores myriad questions that are both deep background themes in biology, and also fascinating to physicists. Bialek is a dean of this field, and an inspiring teacher."

—Philip Nelson, University of Pennsylvania

2012. 640 pages. 62 color illus. 15 halftones. 141 line illus. 1 table.
 Cl: 978-0-691-13891-6 \$95.00 | £65.00



Honorable Mention, 2012 PROSE Award, Earth Sciences, Association of American Publishers
 Revised and Expanded Edition
How to Build a Habitable Planet

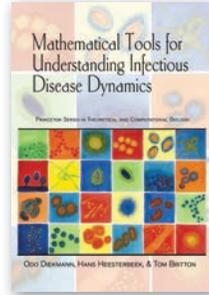
The Story of Earth from the Big Bang to Humankind

Charles H. Langmuir & Wally Broecker

"All who are concerned with the global environment and who wish to be scientifically well-informed in relation to it will find the book a worthwhile and inspirational challenge."

—Ray Bates, *Irish Times*

2012. 752 pages. 16 color plates. 62 halftones. 220 line illus. 18 tables.
 Cl: 978-0-691-14006-3 \$39.95 | £27.95



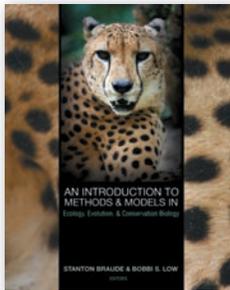
New
Mathematical Tools for Understanding Infectious Disease Dynamics

Odo Diekmann, Hans Heesterbeek & Tom Britton

Mathematical modeling is critical to our understanding of how infectious diseases spread at the individual and population levels. This book gives readers the necessary skills to correctly formulate and analyze mathematical models in infectious disease epidemiology, and is the first treatment of the subject to integrate deterministic and stochastic models and methods.

Princeton Series in Theoretical and Computational Biology

2012. 520 pages. 53 line illus. 1 table.
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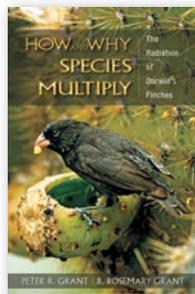
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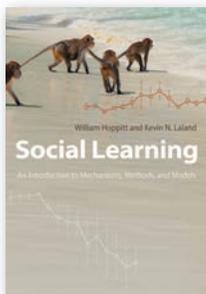
"Darwin had the power to visualize how natural selection operates day after day, minute after minute, but he thought that its effects would only become evident over time spans too long to observe directly. How he would enjoy reading what the Grants have to offer us."

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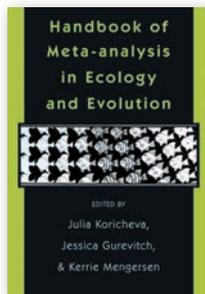
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Biology of Traditions

July 2013. 320 pages. 48 line illus. 2 tables.

Pa: 978-0-691-15071-0 \$49.50 | £34.95

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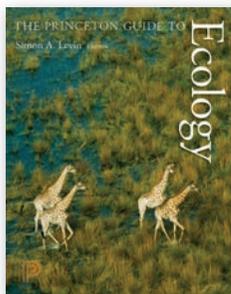
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—Ryan Calsbeek, *BioScience*

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Cl: 978-0-691-14681-2 \$82.50 | £57.50



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—Jonathan M. Chase, *Quarterly Review of Biology*

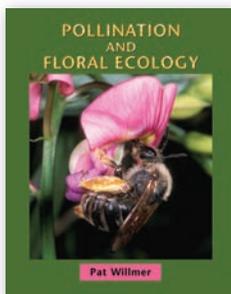
2012. 848 pages. 25 color illus. 14 halftones.
185 line illus. 22 tables.
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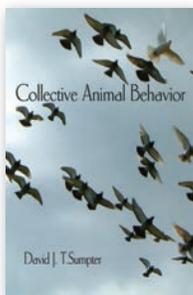
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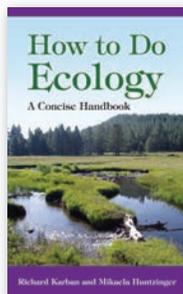


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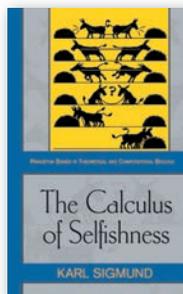


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Pa: 978-0-691-12577-0 \$22.95 | £15.95



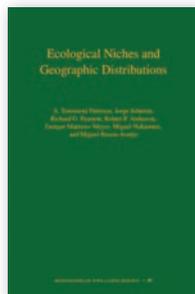
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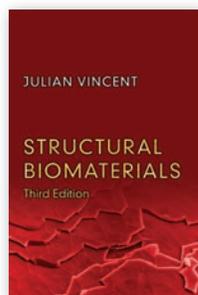
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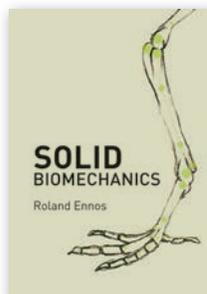
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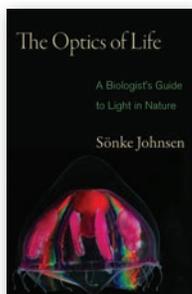
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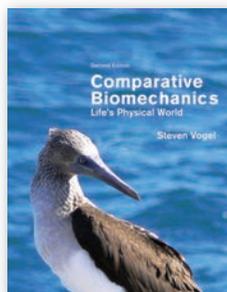
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Steven Vogel

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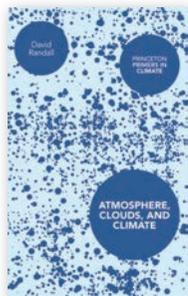
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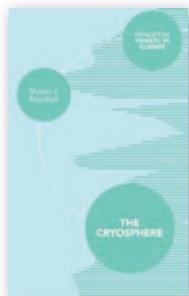
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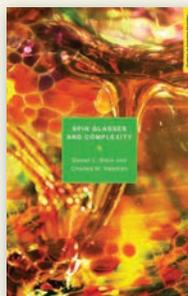
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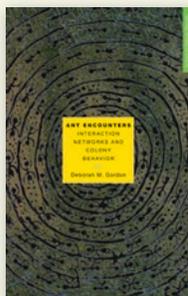
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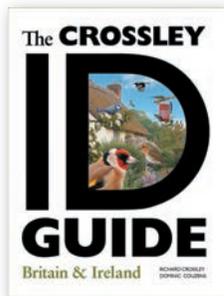
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Britain and Ireland

**Richard Crossley &
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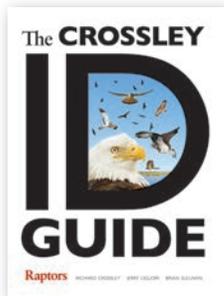
Aimed at beginner and intermediate birders, yet suitable for all levels, this new volume in the groundbreaking *Crossley ID Guide* series is the most user-friendly field guide to the birds of Britain and Ireland. Based on *The Crossley ID Guide's* award-winning design, this guide looks at all regularly occurring species of Britain and Ireland, and shows readers how to identify birds using size, structure, shape, probability, and behavior—just like the experts do! Stunning images are accompanied by the accurate and concise text of Dominic Couzens, one of Britain's leading nature writers.

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**Richard Crossley, Jerry Liguori
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—Wayne Mones, *Audubon* blog

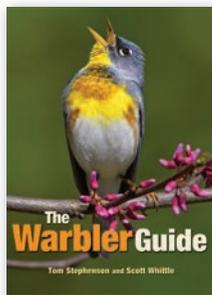
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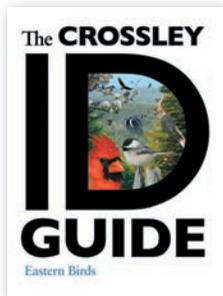
Tom Stephenson & Scott Whittle
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Warblers are among the most challenging birds to identify. They exhibit an array of seasonal plumages and have distinctive yet oft-confused calls and songs. *The Warbler Guide* enables you to quickly identify any of the 56 species of warblers in the United States and Canada. This groundbreaking guide features more than 1,000 stunning color photos, extensive species accounts with multiple viewing angles, and an entirely new system of vocalization analysis that helps you effectively learn songs and calls.



Co-Winner of the 2012 Bronze Medal in Environment/Ecology/Nature, *Independent Publisher*

Winner of the 2011 PROSE Award for Excellence in Reference Works, Association of American Publishers

Winner of the 2011 PROSE Award for Excellence in Single Volume Reference/Science, Association of American Publishers
Richard Crossley, Winner of the 2012 Robert Ridgway Award for Publications in Field Ornithology, American Birding Association

The Crossley ID Guide
Eastern Birds

Richard Crossley

"Really cool and totally different... Crossley gives us birds as we see them, in action.... We've been inundated with 'new' birding field guide books in recent years, no single one of them offering a compelling reason for purchase. This book will offer such a reason."

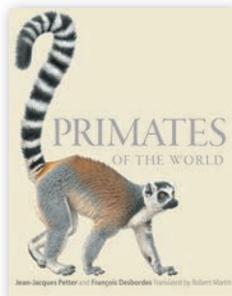
—Jim Williams, *Minneapolis Star Tribune*

The Crossley ID Guides

2011. 528 pages. 10,000 color images. 7 1/2 x 10.
Pa: 978-0-691-14778-9 \$35.00 | £24.95



Connect with Crossley on Facebook at *CrossleyIDGuide* and on Pinterest at *crossleyidguide*



Forthcoming
Primates of the World
 An Illustrated Guide
Jean-Jacques Petter & François Desbordes
 Translated by Robert Martin

[A] splendid and fascinating book."
 —Rafaële Brillaud, *Science & Vie*

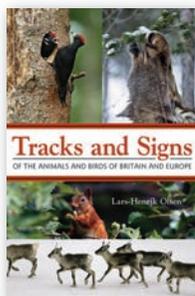
"A masterpiece. François Desbordes's 72 watercolor plates are pure marvels, in the great tradition of scientific pictures of the 19th century."

—Marc Giraud, *L'Oiseau Magazine*

This stunningly illustrated guide to the world's primates covers nearly 300 species, from the feather-light and solitary pygmy mouse lemurs of Madagascar—among the smallest primates known to exist—to the regal mountain gorillas of Africa. Organized by region and spanning every family of primates on Earth, the book features 72 splendid color plates, facing-page descriptions of key features of each family, and 86 color distribution maps.

Primates of the World also includes concise introductory chapters that discuss the latest findings on primate origins and evolution, behavior and adaptations, and classification, making it the most comprehensive and up-to-date primate guide available.

September 2013. 192 pages. 72 color plates. 13 color illus. 7 line illus. 86 color maps. 8 x 10.
 Cl: 978-0-691-15695-8 \$29.95 | £19.95

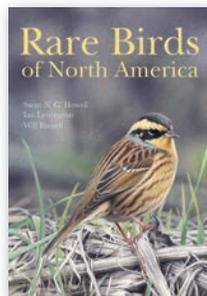


Forthcoming Paperback
Tracks and Signs of the Animals and Birds of Britain and Europe
Lars-Henrik Olsen

"This is an excellent, engaging field guide to the tracks and spoor of the mammals and birds of Northern Europe. The photos and species accounts are outstanding, and I quite like the style of artwork, which is realistic enough to highlight the important characteristics, but stylistic enough to convey the general look of what can be a variable subject."

—Roland W. Kays, coauthor of *Mammals of North America*

September 2013. 272 pages. 600 color illus. 25 maps. 6 x 9.
 Pa: 978-0-691-15753-5 \$29.95 | £17.95



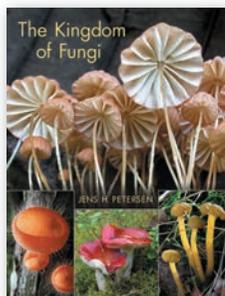
Forthcoming
Rare Birds of North America
Steve N. G. Howell, Ian Lewington & Will Russell

"*Rare Birds of North America* is splendid. There is warmth and humor in the prose, and the color plates are stunning and will ensure a strong audience for many years to come."
 —Edward S. Brinkley, editor of *North American Birds*

Rare Birds of North America provides unparalleled insights into vagrancy and avian migration, and will enrich the birding experience of anyone interested in finding and observing rare birds.

December 2013. 400 pages. 275 color plates. 2 line illus. 9 tables. 17 maps. 7 x 9 1/2.
 Cl: 978-0-691-11796-6 \$35.00 | £24.95

New
The Kingdom of Fungi
Jens H. Petersen



"*The Kingdom of Fungi* melds the traditional classification still found in most field guides with the findings from recent phylogenetic studies. The photographs are absolutely stunning and will be the talk of the town."
 —Donald H. Pfister, Harvard University

The fungi realm has been called the "hidden kingdom," a mysterious world populated by microscopic spores, gigantic mushrooms and toadstools, and a host of other multicellular organisms ranging widely in color, size, and shape. *The Kingdom of Fungi* provides an intimate look at the world's astonishing variety of fungi species, from cup fungi and lichens to truffles and tooth fungi, clubs and corals, and jelly fungi and puffballs.

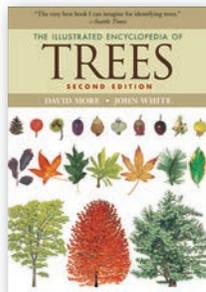
2013. 272 pages. 800+ color photos. 8 1/2 x 11.
 Cl: 978-0-691-15754-2 \$29.95 | £19.95

New

Second Edition

The Illustrated Encyclopedia of Trees

David More & John White



2013. 832 pages. 5,000+ color illus. 7 x 10.

Cl: 978-0-691-15823-5 \$49.95

For sale only in North America

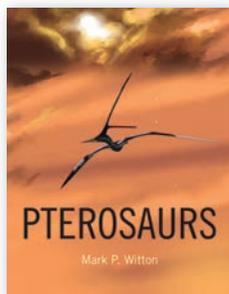
Popular, award-winning, and unrivaled for its coverage and beauty, this is a magnificent illustrated guide to nearly 2,000 tree species and cultivars found in North America and Europe. David More spent over a decade painting these illustrations from real specimens, and fellow tree expert John White's informative text describes key facts about each. The result is an extraordinary reference that will continue to be prized by nature enthusiasts, gardeners, landscapers, and foresters.

New

Pterosaurs

Natural History, Evolution, Anatomy

Mark P. Witton



For 150 million years, the skies didn't belong to birds—they belonged to the pterosaurs. These flying reptiles, which include the pterodactyls, shared the world with the nonavian dinosaurs until their extinction 65 million years ago. Some pterosaurs, such as the giant azhdarchids, were the largest flying animals of all time, with wingspans exceeding thirty feet and standing heights comparable to modern giraffes. This richly illustrated book takes an

unprecedented look at these astonishing creatures, presenting the latest findings on their anatomy, ecology, and extinction.

2013. 304 pages. 152 color illus. 26 halftones. 14 line illus. 17 maps. 8 1/2 x 11.

Cl: 978-0-691-15061-1 \$35.00 | £24.95

Forthcoming

Bugs Rule!

An Introduction to the World of Insects

Whitney Cranshaw & Richard Redak

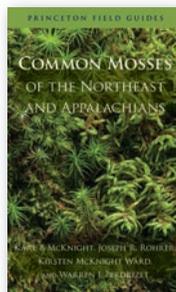


Bugs Rule! provides a lively introduction to the biology and natural history of insects and their noninsect cousins, such as spiders, scorpions, and centipedes. This richly illustrated textbook features more than 830 color photos, a concise overview of the basics of entomology, and numerous sidebars that highlight and explain key points. Detailed chapters cover each of the major insect groups, describing their physiology,

behaviors, feeding habits, reproduction, human interactions, and more.

October 2013. 496 pages. 830+ color photos. 18 tables. 8 x 10.

Cl: 978-0-691-12495-7 \$55.00 | £37.95



New Paperback

Common Mosses of the Northeast and Appalachians

Karl B. McKnight, Joseph R. Rohrer, Kirsten McKnight Ward & Warren J. Perdrizet

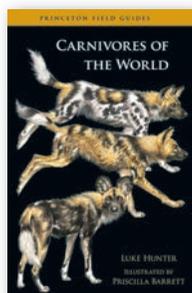
"This remarkable, delightful book makes a great contribution to the understanding and appreciation of moss diversity, and to the conservation of mosses."

—Susan Moyle Studlar, West Virginia University

Princeton Field Guides

2013. 392 pages. 400+ color photos. 600+ line illus. 4 1/2 x 7 1/2.

Pa: 978-0-691-15696-5 \$24.95 | £16.95



Carnivores of the World

Luke Hunter

Illustrated by Priscilla Barrett

"[A] beautifully illustrated, concise guide to all 245 terrestrial carnivores."
—Choice

Princeton Field Guides

2011. 240 pages. 86 color plates. 400 line illus. 6 x 9.

Pa: 978-0-691-15228-8 \$29.95

Cl: 978-0-691-15227-1 \$75.00

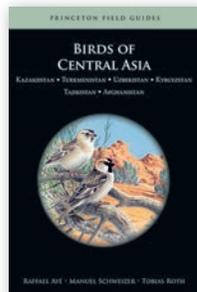
For sale only in the United States and Canada

New Paperback

Birds of Central Asia

Kazakhstan, Turkmenistan, Uzbekistan, Kyrgyzstan, Tajikistan, and Afghanistan

Raffael Ayé, Manuel Schweizer & Tobias Roth



"This is an excellent guide and one that is essential for any visit to the region. Central Asia provides a rich source for many vagrants to Europe, and this is a concise guide to the many iconic species and distinctive races that are highly sought after in Europe in late autumn. The appeal of this book extends well beyond its intended market and should be useful for anyone with an interest in Central Asia and its birds."

—Peter Kennerley, *British Birds*

Princeton Field Guides

2012. 336 pages. 141 color plates. 627 maps. 6 x 9.

Pa: 978-0-691-15337-7 \$39.50 | £27.95

Not for sale in the Commonwealth (except Canada) and Europe

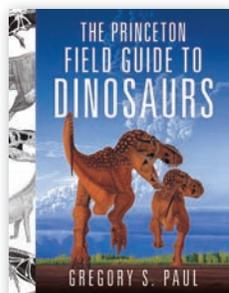
Honorable Mention, 2010 PROSE Award for Excellence in Single Volume Reference/Science, Association of American Publishers

One of *Library Journal's* Best Science Reference Books for 2010

One of *Choice's* Outstanding Academic Titles for 2011

The Princeton Field Guide to Dinosaurs

Gregory S. Paul



"Serious dinosaur scholars will devour this book; it is a major contribution to the field."

—*Choice*

"[A] must-have for anyone who loves dinosaurs, from the amateur enthusiast to the professional paleontologist."

—*Prehistoric Times*

Princeton Field Guides

2010. 320 pages. 150 color illus. 510 line illus. 8 1/2 x 11.

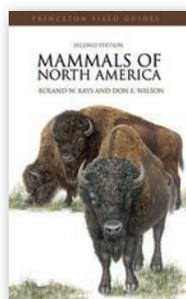
Cl: 978-0-691-13720-9 \$35.00 | £24.95

Not for sale in the Commonwealth (except Canada) and the European Union

Second Edition

Mammals of North America

Roland W. Kays & Don E. Wilson



"This is a perfect guide for naturalists of all ages and skill levels.... [A] wonderfully compact and easy to use field guide."

—Birdfreak.com

Princeton Field Guides

2009. 248 pages. 112 color illus. 102 line illus. 460 maps. 5 x 8.

Pa: 978-0-691-14092-6 \$19.95 | £13.95

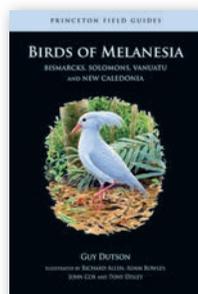
Cl: 978-0-691-14278-4 \$52.50 | £36.95

Mammals of North America APP

Roland W. Kays & Don E. Wilson



Available in digital form on the App Store and Android Market.



Birds of Melanesia

Bismarcks, Solomons, Vanuatu, and New Caledonia

Guy Dutton

Illustrated by Richard Allen, Adam Bowley, John Cox & Tony Disley

"Dutton is one of the most experienced ornithologists in this little-known region, and this book is an excellent addition to Princeton's acclaimed series of field guides."

—Susan Myers, author of *Birds of Borneo*

Princeton Field Guides

2012. 448 pages. 72 color plates. 650 maps. 6 x 9.

Pa: 978-0-691-15350-6 \$49.95 | £34.95

Not for sale in the Commonwealth (except Canada) and Europe

Dragonflies and Damselflies of the East

Dennis Paulson

"[A] landmark field guide."

—Donna Schulman, *10,000 Birds*

Princeton Field Guides

2011. 544 pages. 675 color photos. 350 line illus.

333 maps. 5 1/2 x 8 1/2.

Pa: 978-0-691-12283-0 \$29.95 | £19.95

Cl: 978-0-691-12282-3 \$85.00 | £59.00

Also by Dennis Paulson

Honorable Mention, 2009 National Outdoor Book Award, Nature Guidebook Category

Dragonflies and Damselflies of the West

"This well-written, informative guide is a 'must have.'"

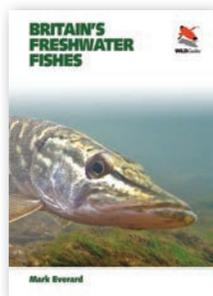
—*Choice*

Princeton Field Guides

2009. 536 pages. 863 color photographs.

392 line illus. 12 tables. 348 maps. 5 1/2 x 8 1/2.

Pa: 978-0-691-12281-6 \$29.95 | £19.95



Forthcoming Paperback
Britain's Freshwater Fishes
 Mark Everard

Britain hosts a diversity of freshwater environments, from torrential hill streams and lowland rivers to lakes, reservoirs, ponds, canals, ditches, and upper reaches of estuaries. *Britain's Freshwater Fishes* covers the 53 species of freshwater and brackish water fishes that are native or have been introduced and become naturalized. This beautifully illustrated guide features high-quality in-the-water or on-the-bank photographs throughout.

Britain's Wildlife

July 2013. 144 pages. 144 color photos.
 5 color illus. 6 x 8.
 Pa: 978-0-691-15678-1 \$27.95 | £17.95

New Paperback
Britain's Sea Mammals

Whales, Dolphins, Porpoises, and Seals and Where to Find Them

Jon Dunn, Robert Still & Hugh Harrop

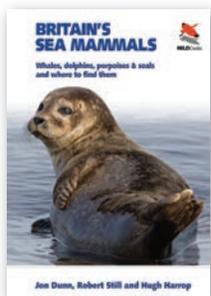
"[T]op-notch.... From the detailed records of vagrants and their identification to expert tips on how to see the likes of Humpback and Killer Whales, it is all here."
 —Steve Gantlett, *Birding World*

"This book is essential for everyone who visits or lives along Britain's coasts."

—Devorah Bennu, *GrrlScientist*

Britain's Wildlife

2013. 128 pages. 100 color photos.
 40 color illus. Distribution maps. 6 x 8.
 Pa: 978-0-691-15660-6 \$19.95 | £12.95

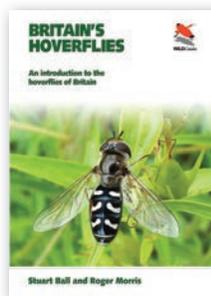


Forthcoming Paperback
Britain's Day-flying Moths
 A Field Guide to the Day-flying Moths of Britain and Ireland
David Newland, Robert Still & Andy Swash
 Mark Parsons

This concise photographic field guide will help you identify any of the 155 day-flying moths found in Britain and Ireland. Combining stunning photographs, authoritative text, and an easy-to-use design, this book makes a perfect traveling companion—one that will increase your enjoyment of these colorful and intriguing creatures.

Britain's Wildlife

October 2013. 224 pages. 220+ color photos.
 155 color maps. 6 x 8.
 Pa: 978-0-691-15832-7 \$29.95 | £17.95



New Paperback
Britain's Hoverflies
 An Introduction to the Hoverflies of Britain
Stuart Ball & Roger Morris

Britain's Hoverflies is a beautifully illustrated photographic field guide to all the genera of hoverflies found in Britain, focusing on the species that can be most readily identified. Designed to be accessible and to appeal to a wide audience, the book contains more than 500 remarkable photographs of the various life stages of 165 species, including at least one representative from each of the 70 British genera.

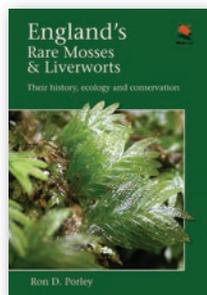
Britain's Wildlife

2013. 296 pages. 569 color photos.
 161 distribution maps. 6 x 8.
 Pa: 978-0-691-15659-0 \$35.00 | £24.95

Forthcoming
England's Rare Mosses and Liverworts

Their History, Ecology, and Conservation

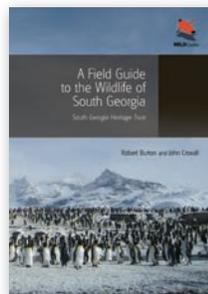
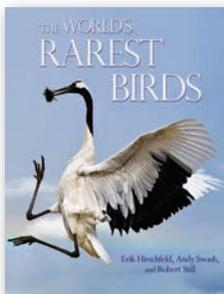
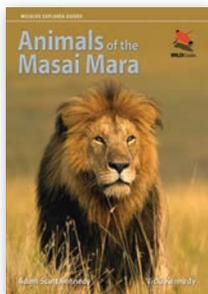
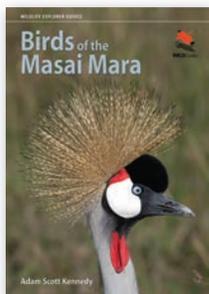
Ron D. Porley



This is the first book to cover England's rare and threatened mosses and liverworts, collectively known as bryophytes. As a group, they are the most ancient land plants and occupy a unique position in the colonization of the Earth by plant life. However, many are at risk from habitat loss, pollution, climate change, and other factors. This book aims to raise awareness by providing stunning photographs—many never before published—of each threatened species,

as well as up-to-date profiles of 84 of them, including status, distribution, history, and conservation measures.

July 2013. 224 pages. 165 color photos. 3 color illus. 85 maps. 6 x 8.
 Cl: 978-0-691-15871-6 \$40.00 | £24.95



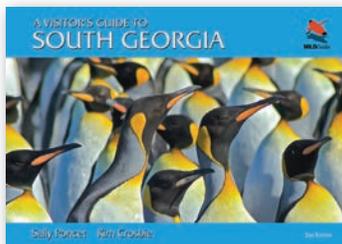
New Paperback
Birds of the Masai Mara
 Adam Scott Kennedy

Birds of the Masai Mara is a remarkably beautiful photographic guide featuring the bird species likely to be encountered by visitors to the popular Masai Mara National Reserve in Kenya. With an eye-catching layout, easy-to-use format, and no-jargon approach, the book contains more than 300 stunning photographs covering over 200 species of birds. Based on the firsthand experiences of the author, *Birds of the Masai Mara* is an ideal companion to all those visiting the national reserve and to bird aficionados interested in learning more about the region.

Wildlife Explorer Guides

2012. 176 pages. 300+ color photos. 6 x 8.
 Pa: 978-0-691-15594-4 \$27.95 | £17.95

New Paperback
 Second Edition
A Visitor's Guide to South Georgia
 Sally Poncet & Kim Crosbie



This is the only illustrated guide specifically tailored to the needs of visitors to this remote and captivating part of the world, and it is the ideal book for armchair naturalists.

2012. 184 pages. 450 color illus. 8 x 6.
 Pa: 978-0-691-15658-3 \$29.95 | £19.95
 Not for sale in South Georgia and the Falkland Islands

New Paperback
Animals of the Masai Mara
 Adam Scott Kennedy & Vicki Kennedy

"This is the guidebook for every child, and child inside of us, between the ages of 5 and 105 that has ever dreamt of learning about the fascinating animals seen on a safari in Africa."

—Gabriel Thoumi, MongaBay.com

The only field guide to focus solely on the wildlife of the Masai Mara National Reserve, *Animals of the Masai Mara* will be indispensable to visitors to this famous park and all nature enthusiasts with an interest in this area of the world.

Wildlife Explorer Guides

2012. 152 pages. 140+ color photos. 6 x 8.
 Pa: 978-0-691-15601-9 \$27.95 | £17.95

"If your dream is to visit Antarctica, this book will give you a whole new appreciation for the small island of South Georgia, which lies nearby and shares the same climate and much of the same endemic flora and fauna."

—Devorah Benu, *GrrlScientist*

New
The World's Rarest Birds
 Erik Hirschfeld, Andy Swash & Robert Still

"A must have for those with an interest in bird conservation."
 —Ian Paulsen, *Birdbooker Report*

"A dense, richly informative book... Offers a showcase of struggling birds globally—but each shot through a lens that celebrates their diversity, vibrance, elegance, and enthusiastic displays."

—Emma Bryce, Audubon.com

2013. 352 pages. 977 color photos.
 103 color illus. 610 color maps. 8 1/2 x 11.
 Cl: 978-0-691-15596-8 \$45.00 | £34.95

A Field Guide to the Wildlife of South Georgia
 Robert Burton & John Croxall

"[A] photographic and textual tour of a magical place filled with fantastical creatures that are far from mythic."

—Donna Schulman, *10,000 Birds*

"This guide, designed for tourists, is the only one of its kind. Brief introductions on geology, topography, climate, history, and conservation efforts lay the groundwork for an impressive photographic guide."

—*Choice*

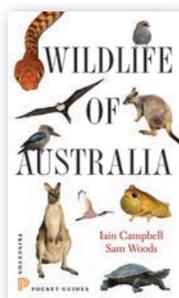
2012. 200 pages. 368 color illus. 6 x 8.
 Pa: 978-0-691-15661-3 \$24.95 | £17.95
 Not for sale in South Georgia and the Falkland Islands



New Paperback

Wildlife of Australia

Iain Campbell & Sam Woods



"This informative and easy-to-read book presents Australia's habitat and wildlife, not just for the fanatical birder or naturalist, but for the general reader as well. I was impressed by the habitat images and the fact that the book touches upon what would most likely be seen during a trip to Australia."
—Tony Palliser, chairman of the Birdlife Australia Rarities Committee

Wildlife of Australia is an indispensable and thorough resource for any nature enthusiast

interested in this remarkable continent.

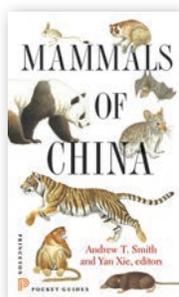
Princeton Pocket Guides

2013. 288 pages. 438 color photos. 1 map. 4 1/2 x 7 1/2.
Pa: 978-0-691-15353-7 \$19.95 | £13.95

New Paperback

Mammals of China

Edited by Andrew T. Smith & Yan Xie



Praise for *A Guide to the Mammals of China*:

"Now, for the first time, the natural history of all 556 of China's known mammals has been brought together in this impressive tome. This title represents a major achievement."

—Kathryn Jeffs, *BBC Wildlife Magazine*

This field-ready pocket edition of *A Guide to the Mammals of China* makes the rich mammal fauna of China accessible to ecotourists and naturalists like never before.

Princeton Pocket Guides

2013. 400 pages. 384 color illus. 558 maps. 4 1/2 x 7 1/2.
Pa: 978-0-691-15427-5 \$24.95 | £16.95

A Field Guide to the Birds of New Zealand

Julian Fitter & Don Merton



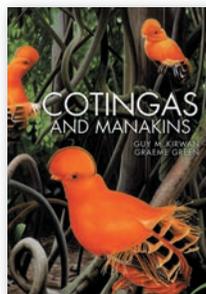
"*A Field Guide to the Birds of New Zealand*, by Julian Fitter and Don Merton includes outstanding photographs of all of the 350 species that can be seen in New Zealand. Also included is excellent text and distribution information.... This new offering from Fitter and Merton is the book to have."

—Wayne Mones, *Audubon* blog

Princeton Pocket Guides

2012. 320 pages. 600+ color photos. 4 1/2 x 7 1/2.
Pa: 978-0-691-15351-3 \$24.95

For sale only in the United States and its dependencies, Canada, and the Philippines



Best Bird Book of the Year for 2011,
Birdbooker Report

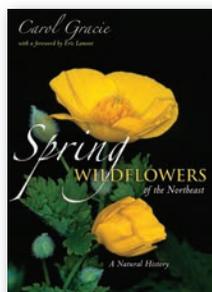
Cotingas and Manakins

Guy M. Kirwan & Graeme Green

"What a treasure!... This book will be a cherished resource."

—David B. McDonald, *Wilson Journal of Ornithology*

2012. 624 pages. 34 color plates. 400 color photos. 130 maps. 7 x 9.
Cl: 978-0-691-15352-0 \$55.00 | £37.95
Not for sale in the Commonwealth (except Canada) and Europe



Honorable Mention, 2012 National Outdoor Book Award, Nature and Environment

With a foreword by Eric Lamont

Spring Wildflowers of the Northeast

A Natural History
Carol Gracie

"*Spring Wildflowers* is a delight to the eye and the mind."

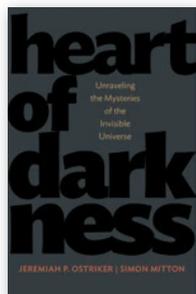
—Andrew M. Greller, *Journal of the Torrey Botanical Society*

2012. 296 pages. 512 color illus. 7 1/2 x 10.
Cl: 978-0-691-14466-5 \$29.95 | £19.95



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New

Heart of Darkness

Unraveling the Mysteries of the Invisible Universe

Jeremiah P. Ostriker & Simon Mitton

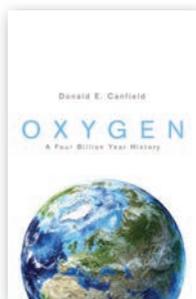
"Jeremiah Ostriker and science historian Simon Mitton seamlessly blend historical narrative with lucid scientific explication, from the deeps of classical time to the data-fueled hyperdrive of the past 50 years."

—*Nature*

"This is a strong, confident book, easily one of the best guides to why cosmologists make the claims they do."

—*New Scientist*

2013. 328 pages. 16 color illus. 40 halftones.
Cl: 978-0-691-13430-7 \$27.95 | £19.95



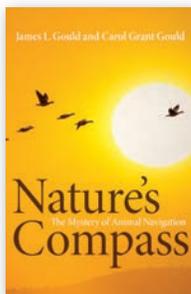
Forthcoming

Oxygen

A Four Billion Year History

Donald E. Canfield

See page 3 for details.



Nature's Compass

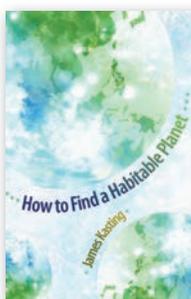
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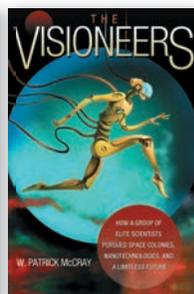
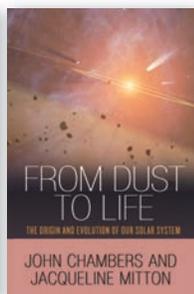
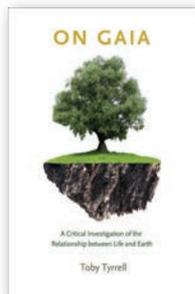
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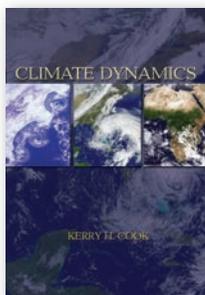
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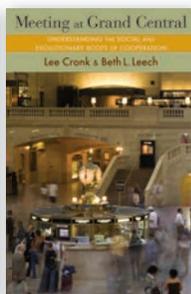
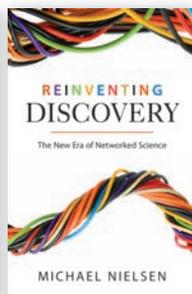
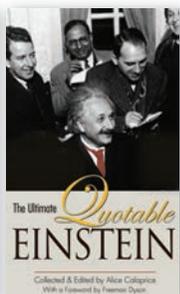
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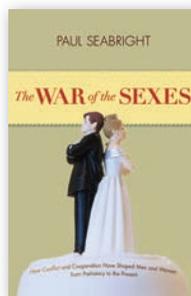
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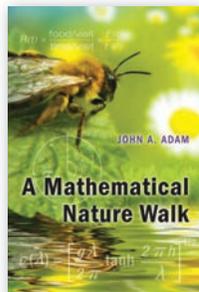
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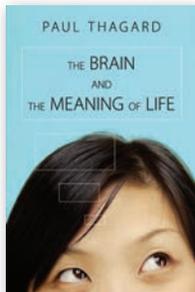
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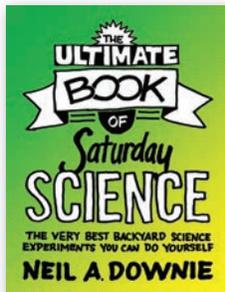
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