

## NEW TITLES

Prepared by Barry Cottam

**Please note:** Only books marked † or \* have been received from publishers. All other titles are listed as books of potential interest to subscribers. Please send notice of new books—or copies for review—to the Book Review Editor.

†Available for review                      \*Assigned

**Currency Codes:** CAD Canadian Dollars, AUD Australian Dollars, USD United States Dollars, EUR Euros, GBP British Pounds.

## BIOLOGY

**The First Cell: The Mystery Surrounding the Beginning of Life.** By Ulrich Schreiber and Christian Mayer. 2020. Springer International Publishing. 195 pages, 47 colour illustrations, and one black and white illustration, 49.99 USD, Cloth, 34.99 USD, E-book.

**Microbiomes of Soils, Plants and Animals: An Integrated Approach.** Edited by Rachael E. Antwis, Xavier A. Harrison, and Michael J. Cox. 2020. Cambridge University Press. 248 pages, 115.00 USD, Cloth, 44.99 USD, Paper.

**New World Monkeys: The Evolutionary Odyssey.** By Alfred L. Rosenberger. 2020. Princeton University Press. 368 pages and 16-page colour insert, 39.95 USD, Cloth. Also available as an E-book.

**The Science of Animal Welfare: Understanding What Animals Want.** By Marian Stamp Dawkins. 2021. Oxford University Press. 160 pages, 75.00 CAD, Cloth, 35.95 CAD, Paper. Also available as an E-book.

**Secretive Slime Moulds: Myxomycetes of Australia.** By Steven Stephenson. 2021. CSIRO Publishing. 382 pages, 180.00 AUD, Cloth.

†**Squid.** By Martin Wallen. 2021. Reaktion Books. 216 pages, 19.95 USD, Paper.

## BOTANY

**Ash.** By Edward Parker. 2021. Reaktion Books. 224 pages, 80 colour plates, and 70 halftones, 27.00 USD, Cloth.

\***In Defense of Plants: An Exploration Into the Wonder of Plants.** By Matt Candeias. 2021. Mango Media. 280 pages, 18.95 USD, Cloth.

**Extraordinary Orchids.** By Sandra Knapp. Foreword by Mark W. Chase. 2021. University of Chicago Press. 160 pages and 140 colour plates, 30.00 USD, Cloth or E-book.

**Field Guide to the Grasses of Oregon and Wash-**

**ington.** By Cindy Talbott Roché, Richard E. Brainerd, Barbara L. Wilson, Nick Otting, and Robert C. Korfhage. 2019. Oregon State University Press. 472 pages, 49.95 CAD, Paper.

**Finding the Mother Tree: Discovering the Wisdom of the Forest.** By Suzanne Simard. 2021. Allen Lane. 368 pages, 34.95 CAD, Cloth, 15.99 CAD, E-book.

**Florapedia: A Brief Compendium of Floral Lore.** Pedia Books Series. By Carol Gracie. Illustrated by Amy Jean Porter. 2021. Princeton University Press. 200 pages, 16.95 USD, Cloth. Also available as an E-book.

**A Naturalist's Book of Wildflowers: Celebrating 85 Native Plants in North America.** By Laura Martin. 2021. Countryman Press. 240 pages, 22.95 USD, Paper.

**A Naturalist's Guide to Plant Communities of Pacific Northwest Dune Forests and Wetlands.** By George Poinar, Jr. 2019. BRIT – Botanical Research Institute of Texas. 329 pages and 500 colour photos, 25.00 USD, Paper.

**The Nature of Oaks: The Rich Ecology of Our Most Essential Native Trees.** By Douglas W. Tallamy. 2021. Workman Publishing. 200 pages, 27.95 USD, Cloth, 21.95 USD, E-book.

**Wildflowers of New York City.** By Andrew Garn. 2021. Cornell University Press. 208 pages and 185 colour photos, 32.95 USD, Cloth.

**Yungcautnguq Nunam Qaingá Tamarmi / The Entire Surface of the Land is Medicine: Edible and Medicinal Plants of Southwest Alaska.** By Ann Fienup-Riordan, with contributions by Alice Rearden, Marie Meade, and Kevin Jernigan. Photography by Kevin Jernigan and Jacqueline Cleveland. Plant portraits by Sharon Birzer and Richard W. Tyler. 2021. University of Alaska Press. Distributed by University of Chicago Press. 300 pages and 124 colour plates, 28.95 USD, Paper or E-book.

## CLIMATE CHANGE

**The Contamination of the Earth: A History of Pollutions in the Industrial Age.** By Francois Jarrige and Thomas Le Roux. Translated by Janice Egan and Michael Egan. 2020. MIT Press. 480 pages, 39.95 USD, Cloth, 19.95 USD, Paper.

**Environmental Offsets.** Edited by Shelley Burgin and Tor Hundloe. 2021. CSIRO Publishing. 140 pages, 69.99 AUD, Paper.

**Grasslands and Climate Change.** Ecological Reviews Series. Edited by David J. Gibson and Jonathan A. Newman. 2019. Cambridge University Press. 372 pages, 102.95 CAD, Cloth, 51.95 CAD, Paper.

## ECOLOGY &amp; CONSERVATION

**100 Plants to Feed the Monarch.** By The Xerces Society. 2021. Storey Publishing. 288 pages, 57.00 USD, Paper.

†**Adaptation and the Brain.** Oxford Series in Ecology and Evolution. By Susan D. Healy. 2021. Oxford University Press. 176 pages, 95.00 CAD, Cloth, 45.95 CAD, Paper.

**Animals' Best Friends: Putting Compassion to Work for Animals in Captivity and in the Wild.** By Barbara J. King. 2021. University of Chicago Press. 280 pages, 25.00 USD, Cloth or E-book.

**Avatimik Kamattiarniq: Arctic Ecology and Environmental Stewardship.** By Jordan Hoffman. 2017. Nunavut Arctic College Media. 261 pages, 74.95 CAD, Cloth.

**Beloved Beasts: Fighting for Life in an Age of Extinction.** By Michelle Nijhuis. 2021. W.W. Norton. 352 pages, 27.95 USD, Cloth.

**The Biological Survey of Canada: A Personal History.** Biological Survey of Canada Monograph Series No. 8. By H.V. Danks. 2016. Biological Survey of Canada. Open access at [https://biologicalsurvey.ca/public/Bsc/Controller/Page/Danks2016\\_BSCHistory.pdf](https://biologicalsurvey.ca/public/Bsc/Controller/Page/Danks2016_BSCHistory.pdf).

**Catastrophic Thinking: Extinction and the Value of Diversity from Darwin to the Anthropocene.** By David Sepkoski. 2020. University of Chicago Press. 360 pages, 35.00 USD, Cloth. Also available as an E-book.

**Community-Based Monitoring in the Arctic.** By Finn Danielsen, Noor Johnson, Olivia Lee, Maryann Fidel, Lisbeth Iversen, Michael K. Poulsen, Hajo Eicken, Ania Albin, Simone G. Hansen, Peter L. Pul-

sifer, Peter Thorne, and Martin Enghoff. 2021. University of Alaska Press. Distributed by University of Chicago Press. 116 pages, 11 halftones, and 11 tables, 29.95 USD, Paper or E-book.

†**Dead Zones: The Loss of Oxygen from Rivers, Lakes, Seas, and the Ocean.** By David L. Kirchman. 2021. Oxford University Press. 228 pages, 39.95 CAD, Cloth. Also available as an E-book.

†**Ecology of Coastal Marine Sediments: Form, Function, and Change in the Anthropocene.** By Simon F. Thrush, Judi E. Hewitt, Conrad A. Pilditch, and Alf Norkko. 2021. Oxford University Press. 224 pages, 100.00 CAD, Cloth, 49.95 CAD, Paper. Also available as an E-book.

†**Exuberant Life: An Evolutionary Approach to Conservation in Galápagos.** By William H. Durham. 2021. Oxford University Press. 408 pages, 49.95 CAD, Cloth. Also available as an E-book.

**Flames of Extinction: The Race to Save Australia's Threatened Wildlife.** By John Pickrell. 2021. Island Press. 228 pages, 28.00 USD, Cloth or E-book.

**Future Sea: How to Rescue and Protect the World's Oceans.** By Deborah Rowan Wright. 2020. University of Chicago Press. 200 pages, 22.50 USD, Cloth or E-book.

**Moving Water: The Everglades and Big Sugar.** By Amy Green. 2021. Johns Hopkins University Press. 272 pages, 24.95 USD, Cloth or E-book.

**Plant Conservation: The Role of Habitat Restoration.** By Sergei Volis. 2019. Cambridge University Press. 494 pages, 131.95 CAD, Cloth, 56.95 CAD, Paper. Also available as an E-book.

**Recovering Lost Species in the Modern Age: Histories of Longing and Belonging.** By Dolly Jørgensen. 2019. The MIT Press. 256 pages, 30.00 USD, Paper.

†**Rewilding Agricultural Landscapes: A California Study in Rebalancing the Needs of People and Nature.** Edited by H. Scott Butterfield, T. Rodd Kelsey, and Abigail K. Hart. 2021. Island Press. 288 pages, 39.00 USD, Paper or E-book.

**Rewilding: The Radical New Science of Ecological Recovery.** By Paul Jepson and Cain Blythe. 2020. Icon Books. 176 pages, 5.82 GBP, Paper. Also available as an E-book.

**Scientific Foundations of Zoos and Aquariums: Their Role in Conservation and Research.** Edited by Allison B. Kaufman, Meredith J. Bashaw, and Terry L. Maple. 2019. Cambridge University Press.

684 pages, 114.95 CAD, Cloth, 56.95 CAD, Paper. Also available as an E-book.

**Something Hidden in the Ranges: The Secret Life of Mountain Ecosystems.** By Ellen Wohl. 2021. Oregon State University Press. 176 pages, 28.95 CAD, Paper.

**Start to Identify Composite Flowers: Daisy, Dandelion, Thistle.** By Faith Anstey. 2021. Wildflower Study. 38 pages and 125 colour plates, 8.50 GBP, Paper.

**The Synthetic Age: Outdesigning Evolution, Resurrecting Species, and Reengineering Our World.** By Christopher J. Preston. 2018. MIT Press. 224 pages, 26.95 USD, Cloth, 15.95 USD, Paper.

**Thirteen Paces by Four: Backyard Biophilia and the Emerging Earth Ethic.** By Joe Gray. 2021. Dixi Books (UK). 192 pages, 17.99 GBP, Paper.

**Urban Ecology: Its Nature and Challenges.** Edited by Pedro Barbosa. 2020. CABI. 248 pages, 120.00 USD, Cloth or E-book.

**Wildlife Disease Ecology: Linking Theory to Data and Application.** Edited by Kenneth Wilson, Andy Fenton, and Dan Tompkins. 2019. Cambridge University Press. 690 pages and 284 black and white illustrations, 115.00 USD, Cloth, 59.99 USD, Paper.

#### ECOLOGY

**50 Ways to Help Save the Bees.** By Sally Coulthard. 2021. Countryman Press. 136 pages, 14.95 USD, Paper.

**The Complete Field Guide to Dragonflies of Australia. Second Edition.** By Günther Theischinger, John Hawking, and Albert Orr. 2021. CSIRO Publishing. 424 pages, 49.99 AUD, Paper.

**Empire of Ants: The Hidden Worlds and Extraordinary Lives of Earth's Tiny Conquerors.** By Susanne Foitzik and Olaf Fritsche. 2021. Workman Publishing. 352 pages, 27.95 USD, Cloth, 21.95 USD, E-book.

**Encyclopedia of Social Insects.** Edited by Christopher K. Starr. Foreword by Raghavendra Gadagkar. 2021. Springer International Publishing. 1075 pages, 749.99 USD, Cloth or E-book; 1099.99 for both.

**Guide d'identification des vers fil-de-fer dans les grandes cultures au Québec.** Par J. Saguez. 2017. Centre de recherche sur les grains. 44 pages. Disponible à [https://cerom.qc.ca/vffqc/documents/Saguez\\_2017-Guide-d-identification-VFF-ISBN\\_978-2-9813604-5-8.pdf](https://cerom.qc.ca/vffqc/documents/Saguez_2017-Guide-d-identification-VFF-ISBN_978-2-9813604-5-8.pdf).

**Leafminers of North America.** By Charley Eiseman. 2019. Self-published E-book. 2009 pages, 90.00 USD covers first addition plus all future updates. Available from <http://charleyeiseman.com/leafminers/>.

**A Natural History of Insects in 100 Limericks.** By Richard Jones and Calvin Ure-Jones. 2021. Pelagic Publishing. 120 pages, 17.33 CAD, Paper.

**Stingless Bees: Their Behaviour, Ecology and Evolution.** Fascinating Life Sciences Series. By Christoph Grüter. 2020. Springer International Publishing. 399 pages, 86 colour illustrations, and 11 black and white illustrations, 139.99 USD, Cloth, 109.99 USD, E-book.

**Super Fly: The Unexpected Lives of the World's Most Successful Insects.** By Jonathan Balcombe. 2021. Penguin Books. 352 pages, 24.00 CAD, Paper, 13.99 CAD, E-book.

**Wasps: The Astonishing Diversity of a Misunderstood Insect.** By Eric R. Eaton. 2021. Princeton University Press. 256 pages and 150 colour photos, 29.95 USD, Cloth. Also available as an E-book.

**Periodical Cicadas: The Brood X Edition.** By Gene Kritsky. 2021. Ohio Biological Survey. 154 pages, 24.99 USD, full-colour Paper, 12.99 USD, black-and-white Paper, 9.99 USD, E-book.

**Plant Galls of the Western United States.** By Ronald A. Russo. 2021. Princeton University Press. 400 pages, 29.95 USD, Paper. Also available as an E-book.

#### HERPETOLOGY

**Lizards of the World: A Guide to Every Family.** By Mark O'Shea. 2021. Princeton University Press. 240 pages, 29.95 USD, Cloth.

#### ORNITHOLOGY

**The Bedside Book of Birds: An Avian Miscellany.** By Graeme Gibson. Foreword by Margaret Atwood. 2021. Doubleday Canada. 384 pages, 48.00 CAD, Cloth.

**The Evolution of Feathers from Their Origin to the Present.** Fascinating Life Sciences Series. Edited by Christian Foth and Oliver W.M. Rauhut. 2020. Springer International Publishing. 256 pages, 71 colour illustrations, and nine black and white illustrations, 119.99 USD, Cloth, 79.99 USD, E-book.

**Florida Scrub-jay: Field Notes on a Vanishing Bird.** By Mark Jerome Walters. 2021. University of Florida Press. 176 pages, 24.95 USD, Cloth. Also available as an E-book.

**A World on the Wing: The Global Odyssey of Migratory Birds.** By Scott Weidensaul. 2021. W.W. Norton. 400 pages, 32.00 USD, Cloth.

#### ZOOLOGY

**Water Mites of the World with Keys to the Families, Subfamilies, Genera and Subgenera.** By Harry Smit. 2020. Nederlandse Entomologische Vereniging. 774 pages and 3087 line drawings, 90.00 EUR, Cloth.

**50 Years of Bat Research Foundations and New Frontiers.** Fascinating Life Sciences Series. Edited by Burton K. Lim, M. Brock Fenton, R. Mark Brigham, Shahroukh Mistry, Allen Kurta, Erin H. Gillam, Amy Russell, and Jorge Ortega. Foreword by Paul A. Racey. 2021. Springer Nature. 387 pages, 52 colour illustrations, and 11 black and white illustrations, 109.99 USD, Cloth, 84.99 USD, E-book.

**The Atlantic Walrus: Biological, Historical, and Indigenous Insights into Species-Human Interactions.** Edited by Xenia Keighley, Morten Tange Olsen, Peter Jordan, and Sean P.A. Desjardins. 2021. Academic Press. 344 pages, 102.00 CAD, Paper.

**The Bears of Brooks Falls: Wildlife and Survival on Alaska's Brooks River.** By Michael Fitz. 2021. Countryman Press. 288 pages, 18.95 USD, Paper.

†**Coywolf: Eastern Coyote Genetics, Ecology, Management, and Politics.** By Jonathan (Jon) Way. 2021. Eastern Coyote/Coywolf Research, Barnstable, MA. 277 pages, Open Access E-book. Available from <http://www.easterncoyoteresearch.com/CoywolfBook/>.

**Crab.** By Cynthia Chris. 2021. Reaktion Books. 176 pages, 85 colour plates, and 15 halftones, 19.95 USD, Paper.

**Ethology and Behavioral Ecology of Sea Otters and Polar Bear.** Ethology and Behavioral Ecology of Marine Mammals Series. Edited by Randall Davis and Anthony Pagano. 2021. Springer International Publishing. 200 pages, 87 colour illustrations, and 20 black and white illustrations, 169.99 USD, Cloth, 129.99 USD, E-book.

†**Opossums: An Adaptive Radiation of New World Marsupials.** By Robert S. Voss and Sharon A. Jansa. 2021. Johns Hopkins University Press. 328 pages, 59.95 USD, Cloth or E-book.

#### OTHER

**The Bears Ears: A Human History of America's Most Endangered Wilderness.** By David Roberts. 2021. W.W. Norton. 336 pages, 27.95 USD, Cloth.

**On Being a Bear: Face to Face with Our Wild Sibling.** By Rémy Marion. Foreword by Lambert Wilson. Translated by David Warriner. 2021. Greystone Books. 240 pages, 29.95 CAD, Cloth. Also available as an E-book.

**Bicycling with Butterflies: My 10,201-Mile Journey Following the Monarch Migration.** By Sara Dykman. 2021. Timber Press. 280 pages, 37.95 CAD, Cloth.

**Billion-Dollar Fish: The Untold Story of the Alaska Pollock.** By Kevin M. Bailey. 2021. University of Chicago Press. 300 pages, 18.00 USD, Paper.

†**Driven by Nature: A Personal Journey from Shanghai to Botany and Global Sustainability.** By Peter H. Raven. Edited by Eric Engles. Foreword by E.O. Wilson. 2021. Missouri Botanical Garden Press. Distributed by University of Chicago Press. 450 pages and 50 colour plates, 35.00 USD, Cloth.

**How to Be Animal: A New History of What It Means to Be Human.** By Melanie Challenger. 2021. Allen Lane. 272 pages, 22.95 CAD, Paper, 13.99 CAD, E-book.

†**The Government of Natural Resources: Science, Territory, and State Power in Quebec, 1867–1939.** By Stéphane Castonguay. Translated by Käthe Roth. 2021. University of British Columbia Press. 208 pages, 75.00 CAD, Cloth.

†**Insights from Data with R: An Introduction for the Life and Environmental Sciences.** By Owen L. Petchey, Andrew P. Beckerman, Natalie Cooper, and Dylan Z. Childs. 2021. Oxford University Press. 320 pages, 75.00 CAD, Cloth, 36.95 CAD, Paper. Also available as an E-book.

**Maria Martin's World: Art and Science, Faith and Family in Audubon's America.** By Debra J. Lindsay. Illustrations by Maria Martin. 2018. University of Alabama Press. 328 pages, 50 colour illustrations, and six black and white illustrations, 49.95 USD, Cloth or E-book.

**Nature Fast and Slow: How Life Works, from Fractions of a Second to Billions of Years.** 2021. Reaktion Books. 224 pages, 22.50 USD, Cloth.

**Nunakun-gguq Ciutengqertut / They Say They Have Ears Through the Ground: Animal Essays from Southwest Alaska.** By Ann Fienup-Riordan. Translated by Alice Rearden, Marie Meade, David Chanar, Rebecca Nayamin, and Corey Joseph. 2020. University of Alaska Press. Distributed by University of Chicago Press. 400 pages and 50 halftones, 39.95 USD, Paper or E-book.

**\*The Object's the Thing: The Writings of Yorke Edwards, a Pioneer of Heritage Interpretation in Canada.** Edited by Richard Kool and Robert A. Cannings. Foreword by Bob Peart. 2021. Royal British Columbia Museum. 336 pages, 24.95 CAD, Paper.

†**Population Genetics with R: An Introduction for Life Scientists.** By Áki Jarl Láruson and Floyd Allan Reed. 2021. Oxford University Press. 224 pages, 95.00 CAD, Cloth, 45.95 CAD, Paper. Also available as an E-book.

†**Reflections on the Making of the Modern Law of the Sea.** By Satya N. Nandan and Kristine E. Dalaker. 2021. National University of Singapore Press. 320 pages, 32.00 USD, Paper.

†**Science in the Forest, Science in the Past.** Edited by Geoffrey E.R. Lloyd and Aparecida Vilaça. 2020. HAU Books. 290 pages, 30.00 USD, Paper.

**Science on a Mission: How Military Funding Shaped What We Do and Don't Know About the Ocean.** By Naomi Oreskes. 2021. University of Chicago Press. 744 pages, 40.00 USD, Cloth or E-book.

†**Southwood's Ecological Methods.** Fifth Edition. By Peter A. Henderson. 2021. Oxford University Press. 528 pages and 176 illustrations, 120.00 CAD,

Cloth, 60.00 CAD, Paper. Also available as an E-book.

†**Temple of Science: The Pre-Raphaelites and Oxford University Museum of Natural History.** By John Holmes. 2021. University of Chicago Press. 184 pages and 100 colour plates, 55.00 USD, Cloth.

†**Vanished Giants: The Lost World of the Ice Age.** By Anthony J. Stuart. 2021. University of Chicago Press. 288 pages, 45.00 USD, Cloth. Also available as an E-book.

**Wild Neighbours: Portraits of London's Magnificent Creatures.** By Sarah Cheesbrough. 2020. Unicorn Publishing Group. 192 pages, 37.95 USD, Cloth.

**E.O. Wilson: Biophilia, The Diversity of Life, Naturalist. Collected Edition.** By Edward O. Wilson. Edited by David Quammen. 2021. Library of America. 1150 pages, 60.00 USD, Cloth.

**Writing Effective Ecological Reports: A Guide to Principles and Practice.** By Mike Dean. Foreword by Mike Oxford. 2021. Pelagic Publishing. 228 pages, 61.22 CAD, Paper.

**A Year in the Wilderness: Bearing Witness in the Boundary Waters.** By Amy Freeman and Dave Freeman. 2018. Milkweed. 320 pages, 35.00 USD, Cloth, 25.00 USD, Paper.