

yale

science



2015

Dear Science Aficionado:

Whether it is a book on migrating birds or supermassive black holes, there is certainly something in the 2015 Science catalog for you. Browse to discover books that consider the welfare of our planet, question the future of natural soundscapes, analyze environmental politics and policies, call to attention the vital role of rare metals, evaluate many aspects of environmental history, consider numerous dimensions of human health, and instill an admiration of a menagerie of creatures, including Atlantic puffins, red knots and other shorebirds, dragonflies, and owls.

Of particular note in our physical sciences list are Marcia Bartusiak's Black Hole, a sparkling history of how a strange idea hated by Einstein gained acceptance; R. Shankar's Fundamentals of Physics, a popular (and witty!) book for learning the basics; and, just in time for the 100th anniversary of Einstein's celebrated theory of general relativity, Steven Gimbel's biography Einstein: His Space and Times.

Our technology program continues to highlight accessible work from leading thinkers, including danah boyd's It's Complicated: The Social Lives of Networked Teens, Phil Howard's Pax Technica: How the Internet of Things Will Set Us Free or Lock Us Up, Jerry Kaplan's Humans Need Not Apply: A Guide to Wealth and Work in the Age of Artificial Intelligence, and David M. Levy's Mindful Tech: How to Bring Balance to Our Digital Lives.

We furthermore draw your attention to Voices of the Wild, a wonderful overview of soundscape ecology; The Baltimore School of Urban Ecology: Space, Scale, and Time for the Study of Cities; A Natural History of Wine; and Welcome to the Microbiome. Also available to tempt you are new books in neuroscience, cognition, and psychology, as well as informative treatments on hearing loss; coping with Alzheimer's and dementias; and chronic pain in children.

All of our titles are available as print and electronic editions. Please visit our website (www.yalebooks.com) for a complete list. We would be pleased to hear from you about new manuscripts and proposals.

Enjoy!

Jean E. Thomson Black (jean.black@yale.edu),
Senior Executive Editor, Science & Medicine

Joseph Calamia (joseph.calamia@yale.edu),
Senior Editor, Science, Technology, & Engineering

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New

Sovereignty for Survival

American Energy Development and Indian Self-Determination

JAMES ROBERT ALLISON III

This unique volume of social and environmental history documents the successful efforts of a coalition of Crow, Northern Cheyenne, and other Native American tribes in Montana and North Dakota in the 1970s to prevent multinational energy corporations from developing coal reserves on sovereign Indian land.

THE LAMAR SERIES IN WESTERN HISTORY

Cloth 2015 272 pp. 5 b/w illus.

978-0-300-20669-2 \$45.00

Climate Cultures

Anthropological Perspectives on Climate Change

EDITED BY JESSICA BARNES AND MICHAEL R. DOVE

This book draws together cutting-edge contemporary anthropological research on climate change, explaining the puzzle of policy and political paralysis, uncovering new ways of re-framing critical questions, and looking toward realistic solutions to one of the most pressing issues of our times.

YALE AGRARIAN STUDIES SERIES

Paper 2015 328 pp. 23 b/w illus.

978-0-300-19881-2 \$39.95

The Carbon Crunch

Revised and Updated

DIETER HELM

In a new edition of his hard-hitting book on climate change, economist Dieter Helm looks at how and why we have failed to tackle the issue of global warming and argues for a new, pragmatic rethinking of energy policy.

Paper 2015 304 pp.

978-0-300-21532-8 \$22.00

Natural Capital

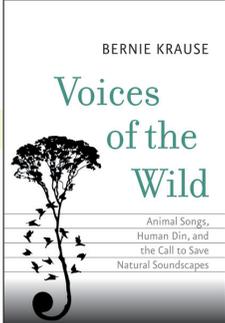
Valuing the Planet

DIETER HELM

A distinguished economist debunks the common perception that environmental protection hinders economic progress and offers hard-hitting recommendations for managing global natural resources while reversing environmental destruction.

Cloth 2015 296 pp.

978-0-300-21098-9 \$32.50



Yale UNIVERSITY PRESS

New

Voices of the Wild

Animal Songs, Human Din, and the Call to Save Natural Soundscapes

BERNIE KRAUSE

A visionary and pioneer in the field of soundscape ecology explains how the natural world's sonic environment has a fundamental impact on the lives of all humans and should be preserved for future generations.

THE FUTURE SERIES

Cloth 2015 184 pp. 12 b/w illus.

978-0-300-20631-9 \$20.00

Diplomacy on Ice

Energy and the Environment in the Arctic and Antarctic

EDITED BY REBECCA PINCUS AND SALEEM H. ALI;
FOREWORD BY JAMES GUSTAVE SPETH

As the race for polar resources escalates, the potential for international conflict has been the focus of much discussion. This thoughtful book shifts the conversation from conflict to cooperation, emphasizing the possibilities for diplomacy and cooperative decision-making on issues affecting the Arctic and Antarctic.

Cloth 2015 304 pp. 11 b/w illus.

978-0-300-20516-9 \$85.00

Big World, Small Planet

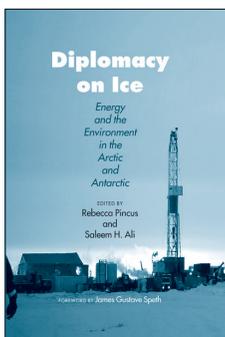
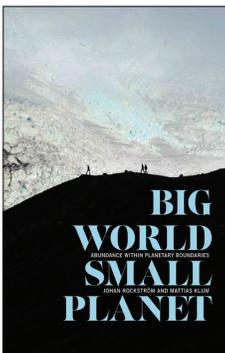
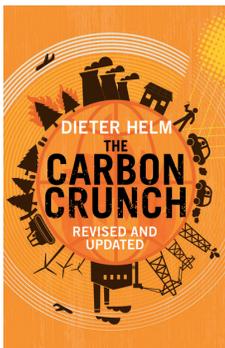
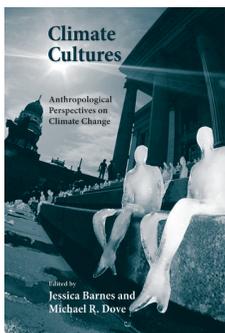
Abundance within Planetary Boundaries

JOHAN ROCKSTRÖM AND MATTIAS KLUM;
WITH PETER MILLER

In this extraordinary book, the authors combine the latest science with compelling storytelling and amazing photography to create a positive new narrative for humanity's future. They explain how economic growth can be achieved without destabilizing Earth's natural systems and why planetary stewardship is the essential key.

Cloth 2015 208 pp. 77 color illus.

978-0-300-21836-7 \$27.50



Environmental Studies 3

New in paper

From Precaution to Profit

Contemporary Challenges to Environmental Protection in the Montreal Protocol

BRIAN J. GAREAU

Gareau reveals how global civil society groups and other stakeholders involved in the Montreal Protocol are left relatively ineffective in their efforts to push for environmental protection.

YALE AGRARIAN STUDIES SERIES

Paper 2015 384 pp. 6 b/w illus.

978-0-300-21315-7 \$35.00

Cloth 2013 384 pp. 6 b/w illus.

978-0-300-17526-4 \$60.00

Connecticut's Indigenous Peoples

What Archaeology, History, and Oral Traditions Teach Us About Their Communities and Cultures

LUCIANNE LAVIN; WITH A CONTRIBUTION TO THE INTRODUCTION BY PAUL GRANT-COSTA; EDITED BY ROSEMARY VOLPE

This groundbreaking volume draws on exciting recent archaeological and ethnographic findings to provide a full account of Connecticut's indigenous peoples throughout their 13,000-year history.

PUBLISHED IN ASSOCIATION WITH THE YALE PEABODY

MUSEUM OF NATURAL HISTORY

Paper 2015 528 pp. 37 color + 235 b/w illus.

978-0-300-21258-7 \$25.00

Cloth 2013 528 pp. 37 color + 235 b/w illus.

978-0-300-18664-2 \$50.00

The Climate Casino

Risk, Uncertainty, and Economics for a Warming World

WILLIAM NORDHAUS

Nordhaus clarifies the important scientific, political, and economic debates and offers specific steps to slow the trajectory of global warming now.

Paper 2015 392 pp. 46 b/w illus.

978-0-300-21264-8 \$20.00

Cloth 2013 392 pp. 46 b/w illus.

978-0-300-18977-3 \$30.00

A Question of Balance

Weighing the Options on Global Warming Policies

WILLIAM NORDHAUS

This book determines which of many alternative proposals will be most cost-beneficial in reducing greenhouse-gas emissions.

Paper 2014 256 pp. 25 b/w illus.

978-0-300-20939-6 \$27.50

Cloth 2008 256 pp. 25 b/w illus.

978-0-300-13748-4 \$30.00

4 Environmental Studies

From Precaution to Profit

Contemporary Challenges to Environmental Protection in the Montreal Protocol

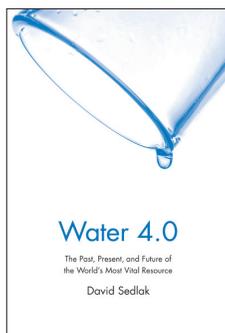


BRIAN J. GAREAU

Environment
an interdisciplinary anthology



Selected, Edited, and with Introductions by Glenn Adelson, James Engell, Brent Ranalli, and K. P. Van Anglen



Water 4.0

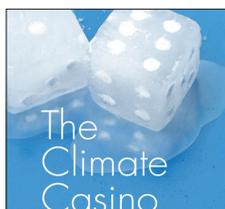
The Past, Present, and Future of the World's Most Vital Resource
David Sedlak

My Backyard Jungle

The Adventures of an Urban Wildlife Lover Who Turned His Yard into Habitat and Learned to Live with It



JAMES BARILLA



The Climate Casino

Risk, Uncertainty, and Economics for a Warming World

William Nordhaus

New in paper

Water 4.0

The Past, Present, and Future of the World's Most Vital Resource

DAVID SEDLAK

In this important book, the author offers insights into looming water supply problems and describes what we must do to protect our most precious resource.

Paper 2015 352 pp. 24 b/w illus.

978-0-300-21267-9 \$18.00

Recent & Classic Titles

Environment

An Interdisciplinary Anthology

SELECTED, EDITED, AND WITH INTRODUCTIONS BY GLENN ADELSON, JAMES ENGELL, BRENT RANALLI, AND K. P. VAN ANGLEN

This definitive anthology of writings is a complete and up-to-date guide to environmental literacy, covering the natural sciences, social sciences, and the humanities.

Paper 2008 984 pp. 127 b/w illus.

978-0-300-11077-7 \$50.00

Constructing Private Governance

The Rise and Evolution of Forest, Coffee, and Fisheries Certification

GRAEME AUDL

An exploration of the history of product certification programs in the coffee, fishing, and forest industries uncovers factors that explain the varied success of programs in becoming global governors equipped to tackle environmental and social problems effectively.

YALE AGRARIAN STUDIES SERIES

Paper 2014 352 pp. 11 b/w illus.

978-0-300-19053-3 \$30.00

My Backyard Jungle

The Adventures of an Urban Wildlife Lover Who Turned His Yard into Habitat and Learned to Live with It

JAMES BARILLA

James Barilla visits various cities where bears, monkeys, and other creatures reside and along the way discovers how people and animals might coexist in our increasingly urban world.

Paper 2014 376 pp. 8 b/w illus.

978-0-300-20566-4 \$16.00

Cloth 2013 376 pp. 8 b/w illus.

978-0-300-18401-3 \$28.00

= RECOMMENDED FOR COURSE USE

The Incidental Steward

Reflections on Citizen Science

AKIKO BUSCH; ILLUSTRATED BY DEBBY COTTER KASPARI

In this beautifully written book, a thoughtful citizen scientist recounts her excursions in the natural world and offers insights into the unexpected rewards of becoming a steward of place.

Paper 2014 256 pp. 11 b/w illus.
978-0-300-20567-1 \$16.00
Cloth 2013 256 pp. 11 b/w illus.
978-0-300-17879-1 \$25.00

Earthmasters

The Dawn of the Age of Climate Engineering

CLIVE HAMILTON

Controlling the earth's climate system sounds like science fiction, but scientists, government agencies, and businesses around the world are working on plans to do just that. This essential book explores what we must do to prepare for the age of climate engineering.

Paper 2014 264 pp.
978-0-300-20521-3 \$20.00

Birthright

People and Nature in the Modern World

STEPHEN R. KELLERT

A pioneer in the study of humanity's relationship with nature offers an eloquent exploration of the inherent human need to connect with the natural world and how it contributes to our physical and mental health, productivity, and well-being.

Paper 2014 264 pp. 33 b/w illus.
978-0-300-20579-4 \$22.00
Cloth 2012 264 pp. 33 b/w illus.
978-0-300-17654-4 \$32.50

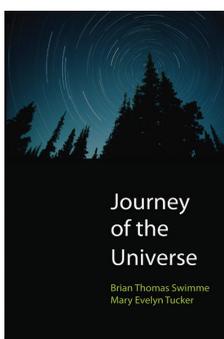
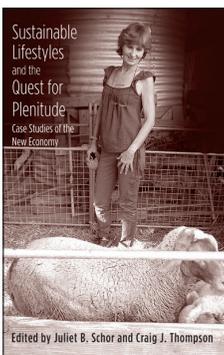
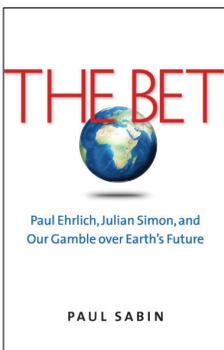
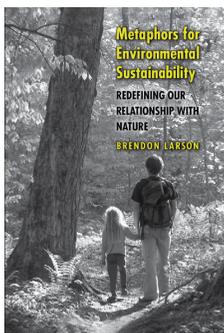
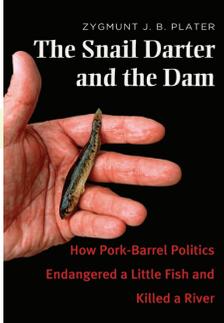
Metaphors for Environmental Sustainability

Redefining Our Relationship with Nature

BRENDON LARSON

Scientists often formulate and explain concepts with metaphors, but an ill-considered metaphor can reinforce social attitudes that clash with sound science-based sustainability policies. This book calls for more conscious framing of scientific metaphors and offers practical advice on doing so.

Paper 2014 320 pp. 16 b/w illus.
978-0-300-20581-7 \$35.00



The Snail Darter and the Dam

How Pork-Barrel Politics Endangered a Little Fish and Killed a River

ZYGMUNT J. B. PLATER

In a narrative that dispels widespread misperceptions about the environmental battle against the TVA's final dam project, a law professor and his students carry the notorious snail darter case through Congress and the U.S. Supreme Court.

Paper 2014 392 pp. 33 b/w illus.
978-0-300-20941-9 \$25.00
Cloth 2013 392 pp. 33 b/w illus.
978-0-300-17324-6 \$35.00

The Bet

Paul Ehrlich, Julian Simon, and Our Gamble over Earth's Future

PAUL SABIN

This gripping history of the clash between environmentalists and their conservative critics—from the late 1960s to the present—traces the origins of the political gulf that separates the two sides.

Paper 2014 320 pp.
978-0-300-19897-3 \$18.00
Cloth 2013 320 pp. 24 b/w illus.
978-0-300-17648-3 \$28.50

Sustainable Lifestyles and the Quest for Plenitude

Case Studies of the New Economy

EDITED BY JULIET B. SCHOR AND CRAIG J. THOMPSON

Through an array of illuminating case studies, this hope-filled book offers alternatives to our current carbon-intensive lifestyle and shows the way forward to a more sustainable, empowering, and humane economy and society.

Paper 2014 280 pp. 6 b/w illus.
978-0-300-19232-2 \$25.00

Journey of the Universe

BRIAN THOMAS SWIMME AND MARY EVELYN TUCKER

This exhilarating book explores the history of the universe from diverse perspectives—the sciences and the humanities—and offers a profoundly hopeful view of human-kind's opportunity to create a vibrant future for Earth and all its inhabitants.

Paper 2014 192 pp.
978-0-300-20943-3 \$15.00
Cloth 2011 192 pp.
978-0-300-17190-7 \$27.00

New

The Baltimore School of Urban Ecology

Space, Scale, and Time for the Study of Cities

J. MORGAN GROVE, MARY L. CADENASSO, STEWARD T. A. PICKETT, GARY E. MACHLIS, AND WILLIAM R. BURCH, JR.; FOREWORD BY LAURA A. OGDEN

As the world becomes increasingly urbanized, planning for successful and sustainable cities poses daunting challenges. This important book draws on two decades of pioneering social and ecological studies to arrive at a new way of planning for, building, and managing the complexities of cities in the twenty-first century. Cloth 2015 256 pp. 10 color + 48 b/w illus. 978-0-300-10113-3 \$40.00

Recent & Classic Titles

Saving the World's Deciduous Forests

Ecological Perspectives from East Asia, North America, and Europe

ROBERT A. ASKINS

This visionary book is the first to examine the similarities among the threatened deciduous forests of East Asia, Europe, and North America and to assess which conservation efforts offer the best hope for healthy forests in the future.

Cloth 2014 328 pp. 31 b/w illus. 978-0-300-16681-1 \$35.00

Mountains and Plains

The Ecology of Wyoming Landscapes, Second Edition

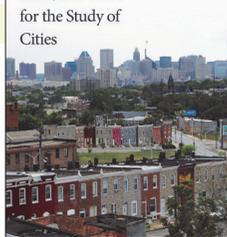
DENNIS H. KNIGHT, GEORGE P. JONES, WILLIAM A. REINERS, AND WILLIAM H. ROMME

Now completely revised, updated, rewritten, and with color photographs, this comprehensive book explores the plants, animals, ecology, and landscapes of Wyoming and the six adjacent Rocky Mountain states. It offers important insights for land management, conservation, and dealing with the implications of climate change.

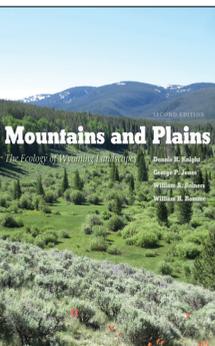
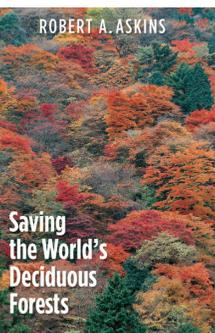
PB-with Flaps 2014 416 pp. 168 color + 77 b/w illus. 978-0-300-18592-8 \$45.00

The Baltimore School of Urban Ecology Space, Scale, and Time for the Study of Cities

J. Morgan Grove, Mary Cadenasso, Steward Pickett, Gary Machlis, and William R. Burch Jr.



The Search for Takur Archaeological Excavations and Reconnaissance along the Middle Senegal Valley



New

The Search for Takur

Archaeological Excavations and Reconnaissance along the Middle Senegal Valley

EDITED BY RODERICK J. MCINTOSH, SUSAN KEECH MCINTOSH, AND HAMADY BOCOUM

This authoritative volume presents new data on iron production, population settlement, and environmental change on the site of the ancient West African Empire of Takur.

YALE UNIVERSITY PUBLICATIONS IN ANTHROPOLOGY Paper 2015 584 pp. 266 illus. 978-0-913516-29-4 \$50.00

Strangers on Familiar Soil

Rediscovering the Chile-California Connection

EDWARD DALLAM MELILLO

This groundbreaking history is the first to explore the many unrecognized, lasting connections between the state of California and the country of Chile.

YALE AGRARIAN STUDIES SERIES Cloth 2015 352 pp. 24 b/w illus. 978-0-300-20662-3 \$40.00

Recent & Classic Titles

Banned

A History of Pesticides and the Science of Toxicology

FREDERICK ROWE DAVIS

This book examines the evolution of toxicology alongside the history of pesticide development and regulation in the twentieth century, then focuses on poisons in use since the DDT ban—chemicals Carson recognized as even more toxic.

Cloth 2014 288 pp. 5 b/w illus. 978-0-300-20517-6 \$40.00

Wasteland

A History

VITTORIA DI PALMA

In an eloquent history of landscape and land use, Vittoria Di Palma takes on the “anti-picturesque”—how landscapes that elicit fear and disgust have shaped our conceptions of beauty and the sublime. Winner of the 2015 J.B. Jackson Prize sponsored by the Foundation for Landscape Studies Cloth 2014 280 pp. 23 color + 84 b/w illus. 978-0-300-19779-2 \$45.00

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Recent & Classic Titles

Toxic Bodies

Hormone Disruptors and the Legacy of DES

NANCY LANGSTON

In this gripping book, Nancy Langston shows how hormone disruptors such as DES (diethylstilbesterol) have penetrated into every aspect of our bodies and ecosystems.

Paper 2011 256 pp. 11 b/w illus.
978-0-300-17137-2 \$22.00
Cloth 2010 256 pp. 11 b/w illus.
978-0-300-13607-4 \$35.00

Back to the Garden

Nature and the Mediterranean World from Prehistory to the Present

JAMES H. S. MCGREGOR

The roots of the current global environmental crisis are explored in an ambitious, wide-ranging cultural and ecological history of the Mediterranean region.

Cloth 2015 384 pp. 18 b/w illus.
978-0-300-19746-4 \$38.00

Wilderness and the American

Mind, Fifth Edition

RODERICK FRAZIER NASH; FOREWORD BY CHAR MILLER

This new edition of Roderick Nash's classic study features a new preface and epilogue by the author, as well as a new foreword by Char Miller.

Paper 2014 440 pp. 1 b/w illus.
978-0-300-19038-0 \$22.00

The Future of Nature

Documents of Global Change

EDITED BY LIBBY ROBIN, SVERKER SÖRLIN, AND PAUL WARDE

This innovative anthology offers a global perspective on how people think about forecasting the future of life on Earth.

Paper 2013 584 pp. 46 b/w illus.
978-0-300-18461-7 \$30.00

Arcadian America

The Death and Life of an Environmental Tradition

AARON SACHS

The garden cemetery has much to teach us about the history of America's communal landscapes and today's environmental ideas.

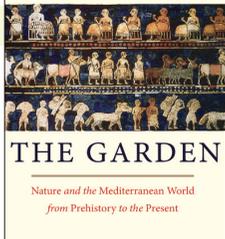
NEW DIRECTIONS IN NARRATIVE HISTORY

Paper 2014 496 pp. 54 b/w illus.
978-0-300-20588-6 \$25.00
Cloth 2013 496 pp. 54 b/w illus.
978-0-300-17640-7 \$35.00

Environmental History

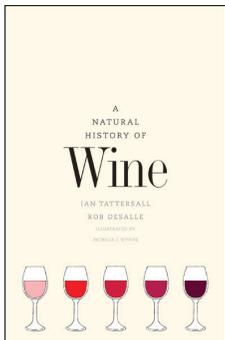
JAMES H. S. MCGREGOR

BACK TO



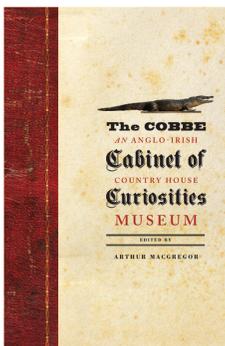
THE GARDEN

Nature and the Mediterranean World from Prehistory to the Present



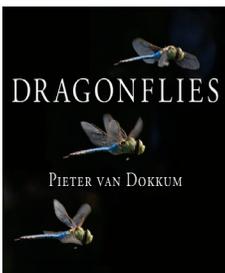
Wine

IAN TATTERSALL
ROB DESALLE
ILLUSTRATED BY
PATRICIA J. WYNNE



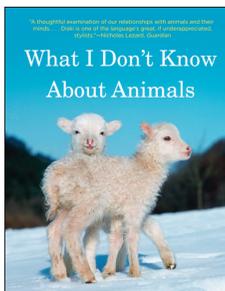
The COBBE Cabinet of Curiosities MUSEUM

EDITED BY
ARTHUR MCGREGOR



DRAGONFLIES

PIETER VAN DOKKUM



What I Don't Know About Animals

JENNY DISKI

Yale UNIVERSITY PRESS

New

The Cobbe Cabinet of Curiosities

An Anglo-Irish Country House Museum

EDITED BY ARTHUR MCGREGOR

Exceptionally detailed and beautifully illustrated, this volume offers a rare glimpse into Enlightenment-era British history through a unique private cabinet of curiosities from the period.

PUBLISHED FOR THE PAUL MELLON CENTRE FOR STUDIES IN
BRITISH ART
Hardcover with Slipcase 2015 496 pp.
200 color + 100 b/w illus.
978-0-300-20435-3 \$125.00

A Natural History of Wine

IAN TATTERSALL AND ROB DESALLE; ILLUSTRATED BY
PATRICIA J. WYNNE

This captivating, freewheeling book answers the question What can science tell us about wine? Exploring almost every imaginable area of science—from microbiology to ecology, climatology to biochemistry and beyond—the authors offer new perspectives on how to appreciate wine to its fullest.

Cloth 2015 264 pp. 62 color illus.
978-0-300-21102-3 \$35.00

Dragonflies

Magnificent Creatures of Water, Air, and Land

PIETER VAN DOKKUM

Darting about, dragonflies fly quickly in and out of sight, allowing us barely a glimpse. This gorgeous tribute to the magic and mystique of dragonflies and damselflies brings them into clear focus, capturing them at every stage of life in unprecedented close-up photographs.

Cloth 2015 176 pp. 172 color illus.
978-0-300-19708-2 \$35.00

Recent & Classic Titles

What I Don't Know About Animals

JENNY DISKI

Those who are entranced by animals, those who cherish elegant writing, and those who delight in the meditations of an original thinker will treasure this wide-ranging investigation of human relations with animals.

Paper 2013 320 pp.
978-0-300-18803-5 \$17.00

Natural History 7

A Field Guide to the Ants of New England

AARON M. ELLISON, NICHOLAS J. GOTELLI, ELIZABETH J. FARNSWORTH, AND GARY D. ALPERT

Lavishly illustrated with drawings, distribution maps, and photographs, this guide will introduce amateur and professional naturalists and biologists, teachers and students, and environmental managers and pest-control specialists to more than 140 ant species found in the northeastern United States and eastern Canada.

PB-Flexibound 2012 416 pp.

350 b/w + 310 color illus.

978-0-300-16930-0 \$35.00

A Field Guide to the Southeast Coast & Gulf of Mexico

Coastal Habitats, Seabirds, Marine Mammals, Fish, & Other Wildlife

NOBLE S. PROCTOR AND PATRICK J. LYNCH

This superb book, with its unique focus on the entire marine coastal environment, is the most comprehensive and up-to-date field guide available on the southeastern Atlantic Coast and the Gulf Coast.

PB-Flexibound 2012 416 pp. 1,221 color

illus. 978-0-300-11328-0 \$25.00

Chasing Monarchs

Migrating with the Butterflies of Passage

ROBERT MICHAEL PYLE; FOREWORD BY LINCOLN P. BROWER; NEW AFTERWORD BY THE AUTHOR

Part road trip, part outdoor adventure, and part scientific inquiry, this now-classic book recounts a naturalist's 9,000-mile journey to discover firsthand the secrets of monarch butterflies' spectacular annual migration across North America.

Paper 2014 336 pp. 2 b/w illus.

978-0-300-20387-5 \$20.00

The Duchess's Shells

Natural History Collecting in the Age of Cook's Voyages

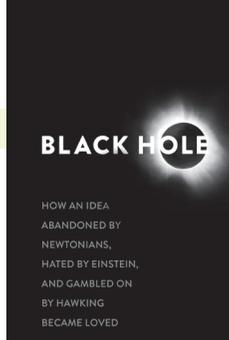
BETH FOWKES TOBIN

This fascinating book uncovers the story behind the formation of a marvelous shell collection—a story spanning the globe, featuring a wealthy duchess, her fellow collectors, and a spectacular auction.

PUBLISHED FOR THE PAUL MELLON CENTRE FOR STUDIES IN BRITISH ART

Cloth 2014 316 pp. 30 color + 20 b/w

illus. 978-0-300-19223-0 \$55.00



Black Hole

How an Idea Abandoned by Newtonians, Hated by Einstein, and Gambled On by Hawking Became Loved

MARCIA BARTUSIAK

On the 100th anniversary of Einstein's celebrated general theory of relativity, this book recounts the contentious history of the idea of the black hole, considered too impossibly bizarre to exist until astronomical discoveries transformed our understanding of the cosmos.

Cloth 2015 256 pp. 27 b/w illus.

978-0-300-21085-9 \$27.50

Einstein

His Space and Times

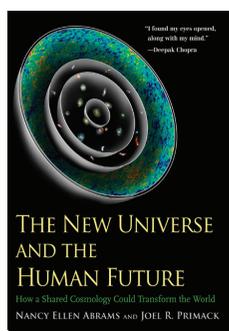
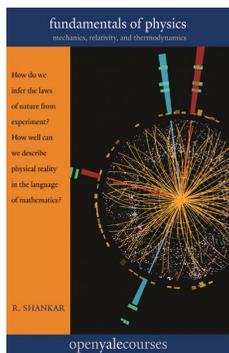
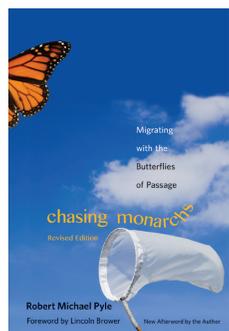
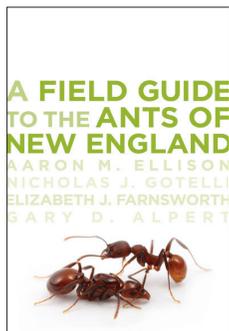
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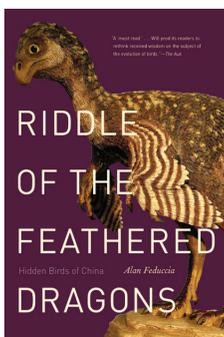
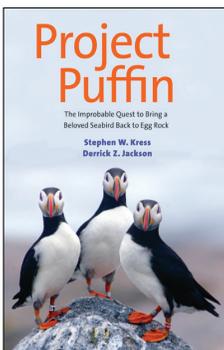
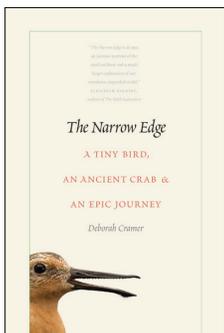
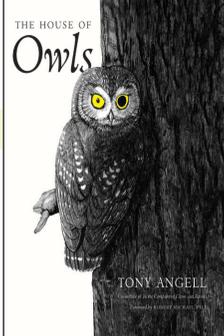
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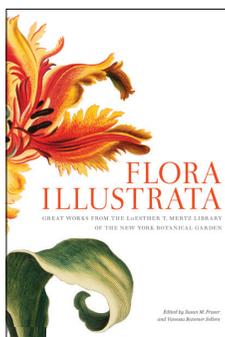
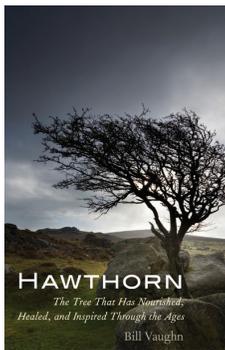
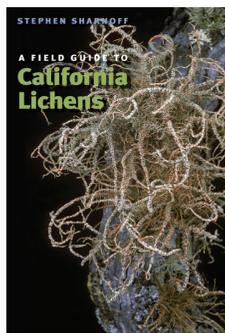
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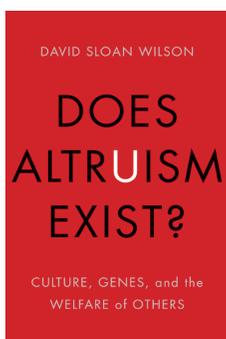
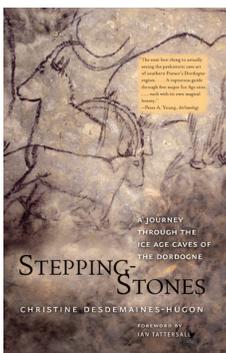
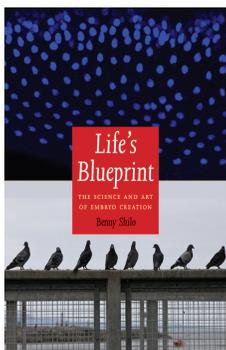
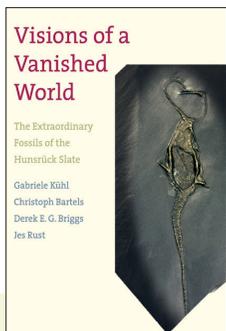
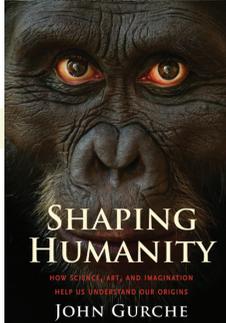
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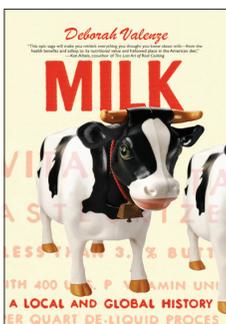
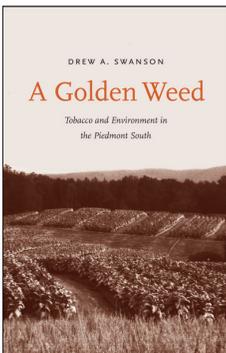
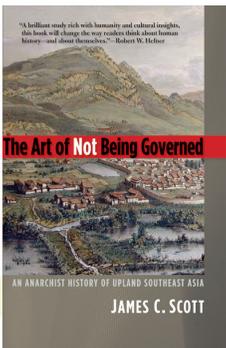
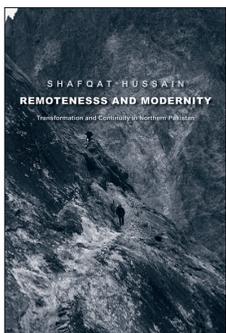
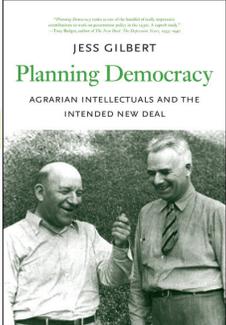
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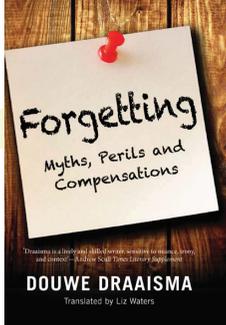
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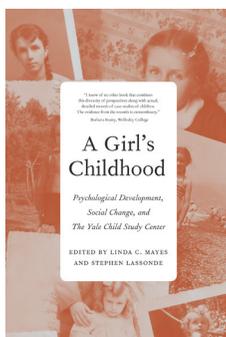
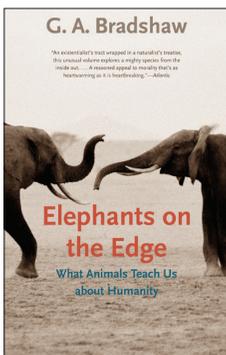
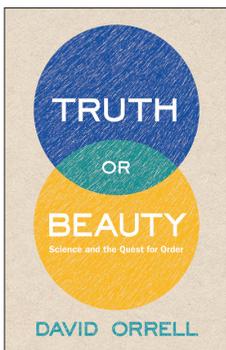
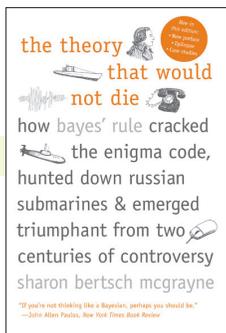
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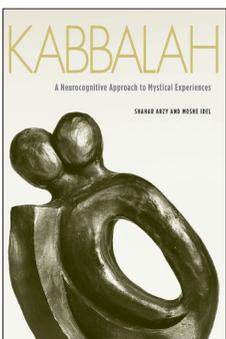
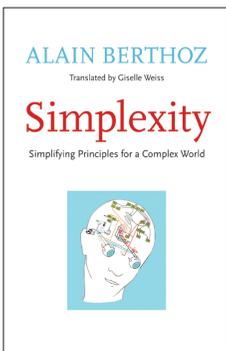
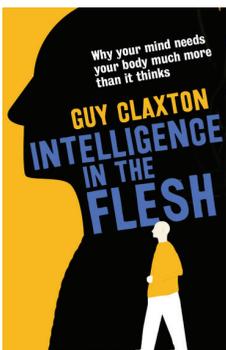
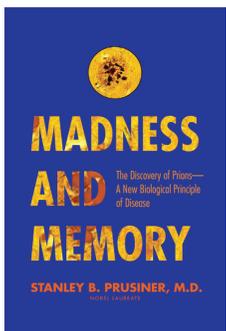
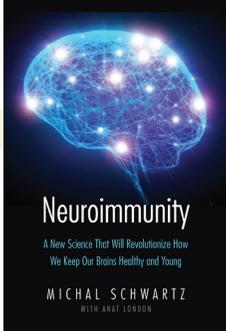
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978-0-300-19114-1 \$30.00

Recent & Classic Titles

Simplicity

Simplifying Principles for a Complex World

ALAIN BERTHOZ; TRANSLATED BY GISELLE WEISS

This book introduces the concept of *simplicity*, the set of solutions living organisms find that enable them to deal with information and situations, while taking into account past experiences and anticipating future ones.

AN EDITIONS ODILE JACOB BOOK
Cloth 2012 288 pp. 24 b/w illus.
978-0-300-16934-8 \$40.00

The Good, the True, and the Beautiful

A Neuronal Approach

JEAN-PIERRE CHANGEUX; TRANSLATED AND REVISED BY LAURENCE GAREY

An eminent neurobiologist reflects on the uniquely complex human brain and its evolution, connecting breathtaking recent scientific findings with ideas from psychology, philosophy, art, and literature.

AN EDITIONS ODILE JACOB BOOK
Cloth 2012 400 pp. 49 b/w illus.
978-0-300-16139-7 \$38.00

The Brain

Big Bangs, Behaviors, and Beliefs

ROB DESALLE AND IAN TATTERSALL; ILLUSTRATED BY PATRICIA J. WYNNNE

This delightfully accessible book reconstructs the long and untidy evolutionary history of the brain, drawing on fascinating new findings in neuroscience, paleontology, and other fields.

Paper 2014 368 pp. 68 b/w illus.
978-0-300-20572-5 \$20.00
Cloth 2012 368 pp. 68 b/w illus.
978-0-300-17522-6 \$29.95

The Elements of Power

Gadgets, Guns, and the Struggle for a Sustainable Future in the Rare Metal Age

DAVID S. ABRAHAM

A natural resource strategist creates an unrivaled portrait of the rare metal trade, illustrating how growing demand for these ingredients, which are increasingly at the heart of electronic, military, and renewable-energy technologies, contributes to economic, environmental, and geopolitical instability.

Cloth 2015 328 pp. 3 b/w illus.
978-0-300-19679-5 \$30.00

This Program Is Brought to You By . . .

Distributing Television News Online

JOSHUA A. BRAUN

While much has been written about content production in the changing online media landscape, little attention has been given to the process and effects of content distribution. Using MSNBC as a case study, this multi-disciplinary work reveals the dramatic shifts contemporary news organizations are making in order to deliver content.

Paper 2015 320 pp. 18 b/w illus.
978-0-300-19750-1 \$35.00

Pax Technica

How the Internet of Things May Set Us Free or Lock Us Up

PHILIP N. HOWARD

A leading digital expert looks at the most powerful political tool ever created—the internet of things. He shows how it can be a tool for censorship and surveillance, or a means of promoting democracy and strengthening civic engagement around the world.

Cloth 2015 352 pp.
978-0-300-19947-5 \$28.00

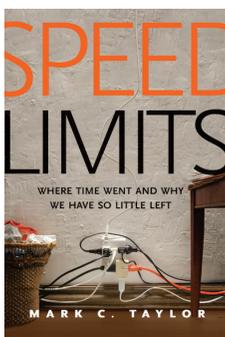
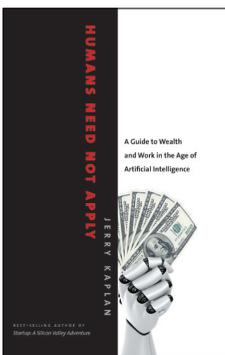
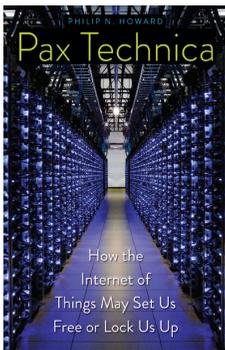
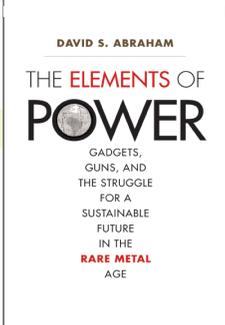
Humans Need Not Apply

A Guide to Wealth and Work in the Age of Artificial Intelligence

JERRY KAPLAN

As society stands on the cusp of unprecedented change, a Silicon Valley insider explains the promise and perils of artificial intelligence, proposing free-market changes to our economic and social systems to ensure a prosperous and equitable future.

Cloth 2015 256 pp.
978-0-300-21355-3 \$35.00



Mindful Tech

How to Bring Balance to Our Digital Lives

DAVID M. LEVY

Through a series of lucid and engaging exercises, David M. Levy invites readers to observe their online behavior closely and discover healthier and more effective digital practices.

Cloth 2016 224 pp.
978-0-300-20831-3 \$28.00

New in paper

Speed Limits

Where Time Went and Why We Have So Little Left

MARK C. TAYLOR

A leading thinker considers how “faster” has become synonymous with “better” and assesses the dangers of our hurried times. Calling for a transformation of values, he shows how we can regain control and create a more patient, deliberative, and sustainable world.

Paper 2015 408 pp. 24 b/w illus.
978-0-300-21679-0 \$22.00
Cloth 2014 408 pp. 24 b/w illus.
978-0-300-20647-0 \$28.50

Wildcat Currency

How the Virtual Money Revolution Is Transforming the Economy

EDWARD CASTRONOVA

Edward Castronova, the premier expert in the field, offers a fascinating look at unregulated virtual currencies from ThankYou Points to Bitcoin, exploring their legal and political ramifications and how they will change the global economy forever.

Paper 2015 288 pp.
978-0-300-21249-5 \$20.00
Cloth 2014 288 pp.
978-0-300-18613-0 \$30.00

It's Complicated
The Social Lives of Networked Teens

DANAH BOYD

Does it mean anything new to grow up in a networked world? A leading youth and technology expert offers original research on teens' use of social media, the myths that frighten caring adults, and how young people form communities.

Winner of the Delta Kappa Gappa Society International Educators Book Award

Paper 2015 296 pp.
978-0-300-19900-0 \$15.00
Cloth 2014 296 pp.
978-0-300-16631-6 \$25.00

The Global War for Internet Governance

LAURA DENARDIS

One of the world's foremost scholars in the field explores the vital issue of global Internet governance, addressing the realities, the controversies, cybersecurity concerns, the role of sovereign nations, the ever-changing privacy policies of social media companies, and the future of Internet freedom.

Paper 2015 296 pp. 9 b/w illus.
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Cloth 2014 296 pp. 9 b/w illus.
978-0-300-18135-7 \$38.00

Prisoners, Lovers, and Spies

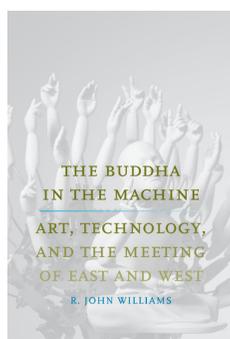
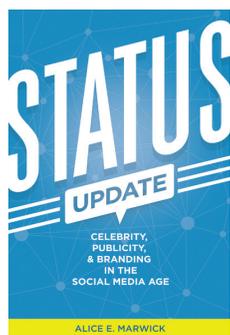
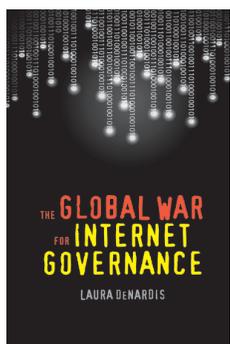
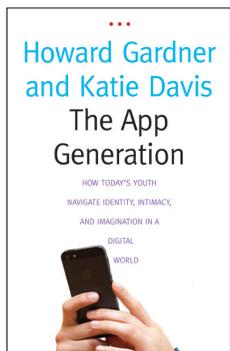
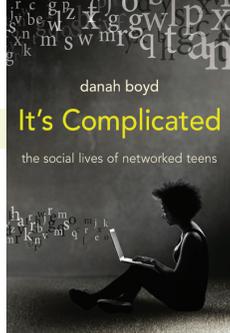
The Story of Invisible Ink from Herodotus to al-Qaeda

KRISTIE MACRAKIS

In the first book ever devoted to the history of invisible ink and other concealed writings, a historian of espionage reveals its secret history from tattoos on the scalp of a slave to DNA microdots.

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978-0-300-21260-0 \$20.00
Cloth 2014 392 pp. 32 b/w illus.
978-0-300-17925-5 \$27.50

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The App Generation
How Today's Youth Navigate Identity, Intimacy, and Imagination in a Digital World

HOWARD GARDNER AND KATIE DAVIS;
WITH A NEW PREFACE

In this riveting exploration of the power of apps to shape today's young people, the authors investigate how digital culture influences—for better or worse—three critical areas of adolescent life: identity, intimacy, and imagination.

Paper 2014 272 pp. 3 b/w illus.
978-0-300-20934-1 \$15.00

Status Update
Celebrity, Publicity, and Branding in the Social Media Age

ALICE E. MARWICK

In this eye-opening critique of such popular sites as YouTube, Twitter, and Facebook, the author analyzes why social media, once heralded for inaugurating a newly participatory and egalitarian culture, have instead become exclusionary and elitist.

Paper 2015 368 pp. 1 b/w illus.
978-0-300-20938-9 \$20.00
Cloth 2013 368 pp. 1 b/w illus.
978-0-300-17672-8 \$27.50

The Buddha in the Machine
Art, Technology, and the Meeting of East and West

R. JOHN WILLIAMS

This fascinating study explores how Asian aesthetics have, from the late nineteenth century, have found their way into Western literature and popular culture as a therapeutic means of coping with the fears and anxieties engendered by the rapid explosion of modern technology.

YALE STUDIES IN ENGLISH
Cloth 2014 368 pp.
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978-0-300-19447-0 \$50.00

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New

Indecent Exposures*Eadweard Muybridge's
"Animal Locomotion" Nudes*

SARAH GORDON

This fascinating book reveals how Eadweard Muybridge's photographs of nudes in motion were produced and received, and how they propelled crucial scientific and cultural advancements of the modern era. Cloth 2015 184 pp. 80 color + 17 b/w illus. 978-0-300-20948-8 \$65.00

German Rocketeers in the Heart of Dixie*Making Sense of the Nazi Past during the Civil Rights Era*

MONIQUE LANEY

This thought-provoking study recalls the post-World War II integration of German rocket specialists and their families into a small Alabama community and examines how the histories of German Nazism and Jim Crow in the American South become entangled in narratives about the past. Cloth 2015 320 pp. 5 b/w illus. 978-0-300-19803-4 \$35.00

Database of Dreams*The Lost Quest to Catalog Humanity*

REBECCA LEMOV

An acclaimed science historian uncovers the fascinating story of a Harvard psychologist who—just a few years before the dawn of the digital age— assembled a vast, now-lost sociological database that captured the dreams, stories, and innermost thoughts of a varied range of the world's peoples. Cloth 2015 384 pp. 978-0-300-20952-5 \$35.00

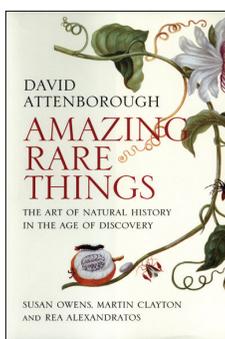
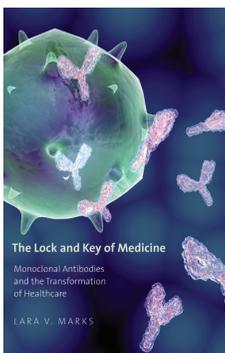
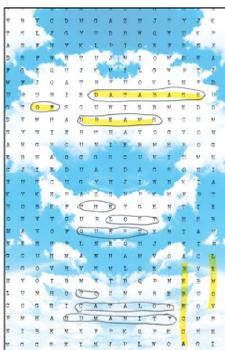
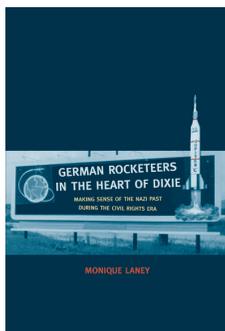
The Lock and Key of Medicine*Monoclonal Antibodies and the Transformation of Healthcare*

LARA V. MARKS

This book is the first to tell the extraordinary yet unheralded history of monoclonal antibodies and how their development has transformed the healthcare landscape while revolutionizing the diagnosis and treatment of diseases ranging from cancer to arthritis. Cloth 2015 344 pp. 37 b/w illus. 978-0-300-16773-3 \$40.00

Discovering TuberculosisA GLOBAL HISTORY
1900 TO THE PRESENT

Christian W. McMillen



New

Discovering Tuberculosis*A Global History, 1900 to the Present*

CHRISTIAN W. MCMILLEN

This eye-opening global comparative history of tuberculosis from the beginning of the twentieth century to the present day explores the grim progress and shocking resilience of a deadly disease that kills nearly two million people worldwide every year. Cloth 2015 352 pp. 4 b/w illus. 978-0-300-19029-8 \$40.00

New in paper

Amazing Rare Things*The Art of Natural History in the Age of Discovery*

DAVID ATTENBOROUGH, SUSAN OWENS, MARTIN CLAYTON, AND REA ALEXANDRATOS

Renowned naturalist and documentary-maker Sir David Attenborough and colleagues explore how illustrations of plants and animals inspired and were inspired by the new scientific spirit of the Renaissance. Paper 2015 224 pp. 160 color illus. 978-0-300-21572-4 \$25.00

The Power of Knowledge*How Information and Technology Made the Modern World*

JEREMY BLACK

Jeremy Black demonstrates that knowledge and technological skill historically have shaped the world and suggests that how a nation acquires and utilizes information is what has always determined its greatness. Paper 2015 504 pp. 978-0-300-20867-2 \$25.00
Cloth 2014 504 pp. 978-0-300-16795-5 \$40.00

Voyaging in Strange Seas*The Great Revolution in Science*

DAVID KNIGHT

In this landmark history, ideas, experiments, characters, conflicts, and achievements—all come to life in this account of the rise of science and how it changed the world. Paper 2015 344 pp. 55 b/w illus. 978-0-300-21275-4 \$25.00
Cloth 2014 344 pp. 55 b/w illus. 978-0-300-17379-6 \$35.00

Naturalists at Sea

Scientific Travellers from Dampier to Darwin

GLYN WILLIAMS

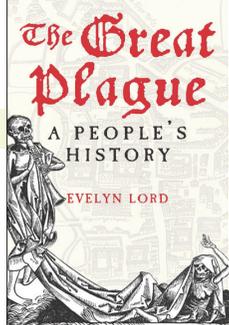
This enthralling book is the first to describe the adventures and misadventures, discoveries and dangers of the naturalists who joined great eighteenth-century voyages of discovery in the Pacific and documented a natural world filled with new wonders.

Paper 2015 328 pp. 39 col. illus.

978-0-300-20540-4 \$22.00

Cloth 2013 328 pp. 39 col. illus.

978-0-300-18073-2 \$38.00



The Great Plague

A People's History

EVELYN LORD

This intimate history of England's Great Plague of 1665–66 brings a dark era of contagion and death to vivid life through personal stories of loss and survival from a wide range of individuals—from common folk to historical notables Samuel Pepys and Isaac Newton—in the small British community of Cambridge.

Cloth 2014 192 pp. 16 pp b/w illus.

978-0-300-17381-9 \$40.00

 **Vampires, Burial, and Death**

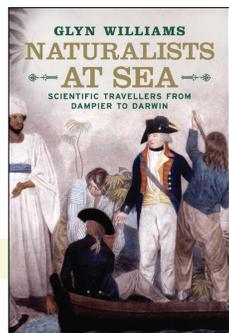
Folklore and Reality; With a New Preface

PAUL BARBER

In this engrossing book, Paul Barber surveys centuries of folklore about vampires and offers the first scientific explanation for the origins of the vampire legends.

Paper 2010 256 pp.

978-0-300-16481-7 \$24.00



Global Crisis

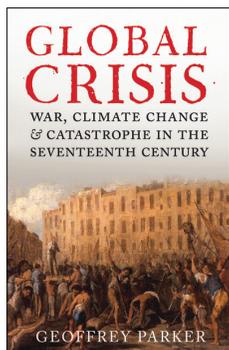
War, Climate Change and Catastrophe in the Seventeenth Century

GEOFFREY PARKER

A master historian uncovers the disturbing connection between the worldwide tumult of the mid-seventeenth century and weather changes during the same period. The inevitable question arises: are we prepared to deal with the repercussions of climate change in our own time?

Paper 2014 904 pp. 28 color illus + 55 figs

978-0-300-20863-4 \$30.00



 **A Little History of Science**

WILLIAM BYNUM

Filled with stories of men and women who asked endless questions about the world and found exciting answers through scientific discovery, this spirited volume invites readers of all ages on a journey through the amazing history of science.

PB-with Flaps 2013 272 pp. 40 b/w illus.

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Mrs. Mattingly's Miracle

The Prince, the Widow, and the Cure That Shocked Washington City

NANCY LUSIGNAN SCHULTZ

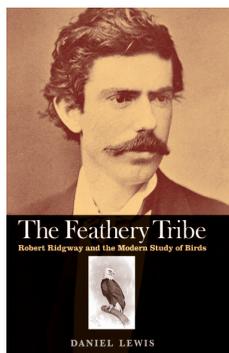
The miraculous cure of a Washington D.C. widow's ravaging cancer in 1824, purportedly through the intervention of a charismatic German prince, ignited political, social, and religious controversy. This gripping book captures the drama of the miracle and its repercussions.

Paper 2014 288 pp. 24 b/w illus.

978-0-300-20589-3 \$30.00

Cloth 2011 288 pp. 24 b/w illus.

978-0-300-11846-9 \$65.00



The Feathery Tribe

Robert Ridgway and the Modern Study of Birds

DANIEL LEWIS

This book tells the life story of Robert Ridgway, the Smithsonian's first curator of birds, while at the same time showing how the field of ornithology—once the province of wealthy gentleman hunters—became professionalized.

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978-0-300-17552-3 \$50.00

Jefferson's Shadow

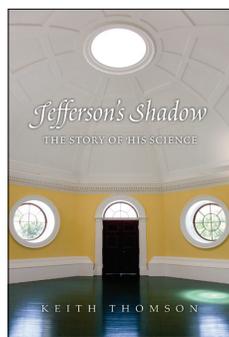
The Story of His Science

KEITH THOMSON

Much has been written about Jefferson, but this book is the first to focus on his passion for science, the influence of science on his vision for America, his scientific experiments and inventions, and his lasting contributions to paleontology, geography, climatology, archaeology, and more.

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978-0-300-20593-0 \$22.00



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New

When the Sun Bursts

The Enigma of Schizophrenia

CHRISTOPHER BOLLAS

In this sensitive and evocative narrative, Christopher Bollas draws on his personal experiences working with schizophrenics since the 1960s to offer his interpretation of schizophrenia and to show how effective talk therapy can be as a treatment.

Cloth 2015 224 pp.
978-0-300-21473-4 \$28.00

The Hearing-Loss Guide

Useful Information and Advice for Patients and Families

JOHN M. BURKEY; FOREWORD BY
ROBERT L. DANIELS, M.D., F.A.C.S.

For the millions of people who need honest and accurate advice about hearing loss, this book provides invaluable insights from patients with first-hand experience and up-to-date treatment information from a highly experienced audiologist.

YALE UNIVERSITY PRESS HEALTH & WELLNESS
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978-0-300-20765-1 \$18.00

When Your Child Hurts

Effective Strategies to Increase Comfort, Reduce Stress, and Break the Cycle of Chronic Pain

RACHAEL COAKLEY, PH.D

For parents and caregivers of children with chronic or persistent pain, this invaluable guide offers a wealth of advice not only for reducing discomfort immediately but also for achieving long-term improvement. A practical, accessible, and reliable resource, from a highly respected expert on children's pain.

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Welcome to the Microbiome

Getting to Know the Trillions of Bacteria and Other Microbes In, On, and Around You

ROB DESALLE AND SUSAN L. PERKINS; ILLUSTRATED
BY PATRICIA J. WYNNE

This intriguing, up-to-the minute book for scientists and nonscientists alike explains what recent research has uncovered about the nature of the microbes that live in and on our bodies. The implications for modern science and medicine are enormous.

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WHEN THE SUN BURSTS



The Enigma of Schizophrenia
CHRISTOPHER BOLLAS

Eric Pfeiffer, M.D.

Caregiving in Alzheimer's and Other Dementias



YALE UNIVERSITY PRESS HEALTH & WELLNESS

The Hearing-Loss Guide



JOHN M. BURKEY
Foreword by Robert L. Daniels, M.D., F.A.C.S.

YALE UNIVERSITY PRESS HEALTH & WELLNESS

Risk, Chance, and Causation

Investigating the Origins and Treatment of Disease

Michael B. Bracken



Welcome to the Microbiome

*Getting to Know the
Trillions of Bacteria In,
On, and Around You*
Rob DeSalle
Susan Perkins

New

Caregiving in Alzheimer's and Other Dementias

ERIC PFEIFFER, M.D.; FOREWORD BY GAYLE SIERENS

A doctor with many years of experience treating patients with Alzheimer's disease here offers an easy-to-understand, step-by-step guide for caretakers.

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MICHAEL B. BRACKEN

A noted clinical epidemiologist shows how evidence-based medicine can help us understand and assess news about health risks, cures, and treatment "breakthroughs."

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A Memoir of Motherhood, Disability, and Discovery

RACHEL ADAMS

A deeply moving and honest account of welcoming a baby born with Down syndrome, as well as an exploration of today's contradictory attitudes toward disabilities.

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Fighting Cancer with Knowledge and Hope

A Guide for Patients, Families, and Health Care Providers, Second Edition

RICHARD C. FRANK, MD

The second edition of this essential resource for patients and their families discusses new treatment options that have become available, including targeted therapies, immune therapies, and personalized cancer medicine.

YALE UNIVERSITY PRESS HEALTH & WELLNESS
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978-0-300-19061-8 \$20.00

Stay

A History of Suicide and the Arguments Against It

JENNIFER MICHAEL HECHT

How can we forestall the rising tide of suicides in the United States and worldwide? In this invaluable book, the author combs through the history of suicide to recover the most powerful arguments against the irretrievable act.

Paper 2015 280 pp.
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Winning Strategies for Successful Aging

ERIC PFEIFFER, M.D.

This comprehensive personal guide to successful aging offers an expert's wise and practical advice on every important issue—from where to live and how to maintain physical and mental health to keeping one's independence, managing finances, and much more.

YALE UNIVERSITY PRESS HEALTH & WELLNESS
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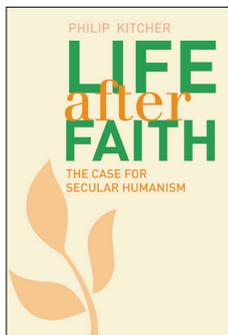
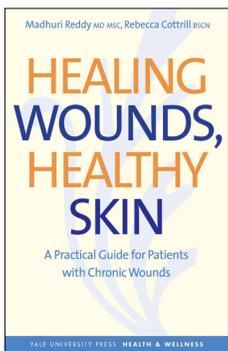
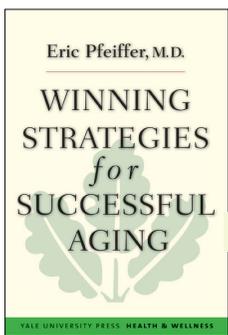
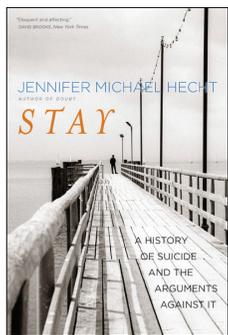
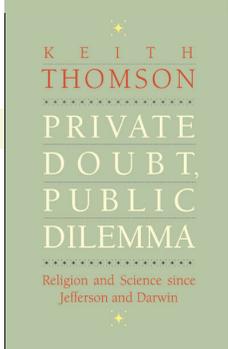
Healing Wounds, Healthy Skin

A Practical Guide for Patients with Chronic Wounds

MADHURI REDDY, M.D., M.SC., AND REBECCA COTTRILL, R.N., M.SC.C.H.

Millions of Americans suffer from chronic or slow-healing wounds. This authoritative guide includes everything they and their caregivers need to know, from finding appropriate care to the role of exercise and nutrition in treatment and prevention.

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978-0-300-17100-6 \$25.00
Cloth 2011 336 pp. 31 b/w illus.
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Private Doubt, Public Dilemma

Religion and Science since Jefferson and Darwin

KEITH THOMSON

This thoughtful book looks first at the troubled relations between science and religion through the lens of Jefferson's and Darwin's writings, then proposes how scientists and religious thinkers today can become colleagues rather than adversaries.

THE TERRY LECTURES SERIES
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New in paper

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The Case for Secular Humanism

PHILIP KITCHER

In this enlightening book the philosopher Philip Kitcher shows how a secular worldview answers the concerns all people share, including the problem of mortality, living an ethical life, and finding fulfillment.

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In this wide-ranging and masterful work, Ahmad Dallal examines the significance of scientific knowledge and situates the culture of science in relation to other cultural forces in Muslim societies.

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Reflections on the God Debate

TERRY EAGLETON

Seasoning his serious book with humor, Terry Eagleton reexamines God, Jesus, free will, scientific thought, and liberalism to arrive at the conclusion that reason and faith are by no means mutually exclusive.

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The Age of Doubt*Tracing the Roots of Our Religious Uncertainty*

CHRISTOPHER LANE

By analyzing the parallel battles over faith and reason in the nineteenth century and ours, scholar Christopher Lane makes a case for the benefits of religious uncertainty.

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Cloth 2011 248 pp. 19 b/w illus.
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The Scientific Buddha*His Short and Happy Life*

DONALD S. LOPEZ, JR.

This illuminating book explores the dissonance between Buddhist teachings as practiced in Asia and in the West, and demonstrates how Western notions of the Buddha have long misrepresented the traditional teachings of the religion.

THE TERRY LECTURES SERIES

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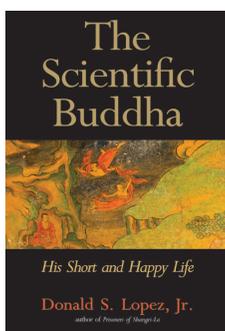
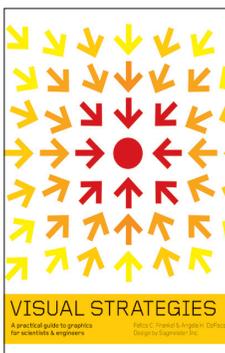
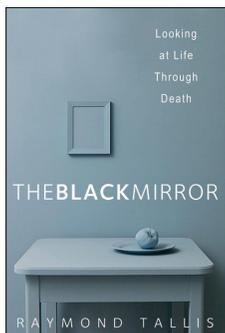
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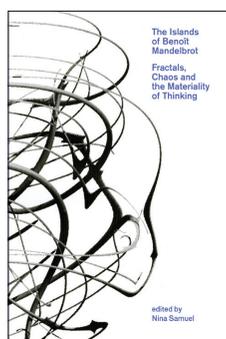
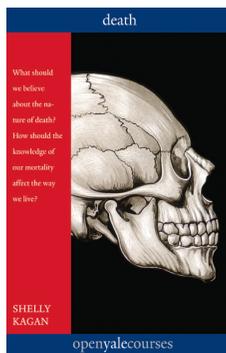
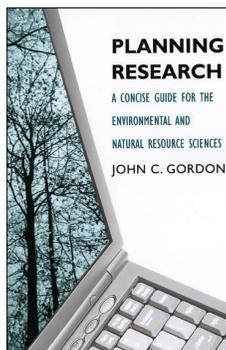
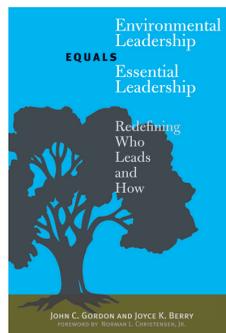
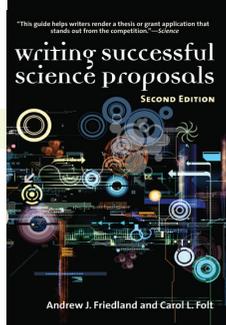
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