A Message from the Editor

It is with great pleasure that, on behalf of my colleagues at Princeton University Press, I introduce the 2014 cognitive science catalog. The books in this catalog exemplify the quality of scholarship that we prize. They reflect the genuinely interdisciplinary approach that we take to developing our publishing programs, and to this end, cognitive science—an interdisciplinary field connecting research within the humanities, social science, and science—is a natural representation of the mission of the Press.

This year’s catalog features three works worthy of special notice. Ara Norenzayan’s Big Gods is an accessible and comprehensive synthesis of the cognitive science of religion that explains why societies with big gods have been evolutionarily successful. In The Unpredictable Species, Philip Lieberman provides a novel case for human uniqueness based on cutting-edge research in neuroscience and more. With Would You Kill the Fat Man?, David Edmonds examines the importance of the trolley problem to our understanding of moral psychology.

And not to be missed are several works ideally suited for course adoption, including Susan Fahrbach’s Developmental Neuroscience, William Hoppitt and Kevin Laland’s Social Learning, Jay Schulkin’s Reflections on the Musical Mind, Nikolas Rose and Joelle Abi-Rached’s Neuro: The New Brain Sciences and the Management of the Mind, and Joshua Epstein’s Agent_Zero: Toward Neurocognitive Foundations for Generative Social Science.

We look forward to continuing to share this intellectually engaging journey with you.

Thank you for your support.

Eric I. Schwartz, Ph.D.
Senior Editor, Sociology & Cognitive Science
New

Big Gods
How Religion Transformed Cooperation and Conflict
Ara Norenzayan

“Does God make us good? In this fascinating new book, Ara Norenzayan explores how the invention of Big Gods—powerful and omniscient moralizing deities—has transformed the world. Replete with insights about morality, cooperation, faith, atheism, and much more, Big Gods will change the way we think about human nature and human society.”
—Paul Bloom, author of Just Babies: The Origins of Good and Evil

“Of all the topics forbidden debate in polite company, religion is the last taboo. This brave, lucid, balanced blend of compassion and science tackles our most cherished values and most intractable disputes. Big Gods sheds light on the cultural evolution of sacred watchers who arguably make us better humans. And it opens the door to explain how and when secular institutions can do the same. For all of us who worry about the role of religion in the modern world, this is a must-read, original milestone.”
—Susan T. Fiske, coauthor of Social Cognition: From Brains to Culture

New

The Unpredictable Species
What Makes Humans Unique
Philip Lieberman

 “[W]hat reader can resist this compelling invitation to reflect on what it means to be human?”
—Booklist

“[Lieberman’s] ability to marshal contemporary neuroscience to support his assertions is impressive, and his efforts to guide the field away from biological determinism (a ‘stew of invented genes’) are well-founded and important.”
—Publishers Weekly

“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

Forthcoming

Would You Kill the Fat Man?
The Trolley Problem and What Your Answer Tells Us about Right and Wrong
David Edmonds

A runaway train is racing toward five men who are tied to the track. Unless the train is stopped, it will inevitably kill all five men. You are standing on a footbridge looking down on the unfolding disaster. However, a fat man, a stranger, is standing next to you: if you push him off the bridge, he will topple onto the line and, although he will die, his chunky body will stop the train, saving five lives. Would you kill the fat man?

The question may seem bizarre. But it’s one variation of a puzzle that has baffled moral philosophers for almost half a century and that more recently has come to preoccupy neuroscientists, psychologists, and other thinkers as well. In this book, David Edmonds, coauthor of the best-selling Wittgenstein’s Poker, tells the riveting story of why and how philosophers have struggled with this ethical dilemma, sometimes called the trolley problem. In the process, he provides an entertaining and informative tour through the history of moral philosophy.

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

**Developmental Neuroscience**
A Concise Introduction  
**Susan E. Fahrbach**

“`The words ‘delightful textbook’ do not often occur together but they describe Developmental Neuroscience to a tee. Susan Fahrbach has an exceptional voice and, coupled with a deep scholarly bent, a keen ability for explaining the importance of developmental phenomena and how we come to understand them. There is much that is new here even for longtime instructors of the subject. This is a truly valuable addition to the field.”
—Darcy Kelley, Columbia University

This textbook offers a concise introduction to the exciting field of developmental neuroscience, a discipline concerned with the mechanisms by which complex nervous systems emerge during embryonic growth. Bridging the divide between basic and clinical research, it captures the extraordinary progress that has been achieved in the field. It provides an opportunity for students to apply and extend what they have learned in their introductory biology courses while also directing them to the primary literature.

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

**New**

**Social Learning**
An Introduction to Mechanisms, Methods, and Models  
**William Hoppitt & Kevin N. Laland**

“`The recent explosion of theoretical developments and methodologies in the study of social learning and the evolution of culture has resulted in a daunting accumulation of new terms, definitions, and analytical techniques. Hoppitt and Laland, both leaders in this field, have taken up the challenge of integrating all of this information from multiple disciplines into a single volume, designed to aid researchers and students in evaluating and advancing the current state of the field.”
—Susan Perry, coeditor of The Biology of Traditions

Many animals, including humans, acquire valuable skills and knowledge by copying others. Scientists refer to this as social learning. It is one of the most exciting and rapidly developing areas of behavioral research and sits at the interface of many academic disciplines, including biology, experimental psychology, economics, and cognitive neuroscience. Social Learning provides a comprehensive, practical guide to the research methods of this important emerging field.

2013. 320 pages. 48 line illus. 2 tables.
Pa: 978-0-691-15071-0 $49.50 | £34.95
Cl: 978-0-691-15070-3 $75.00 | £52.00

**New**

**Reflections on the Musical Mind**
An Evolutionary Perspective  
**Jay Schulkin**

“`With an evident love of music and exemplary cross-disciplinary knowledge, Schulkin delves into the sources of musical expression, its social functions of communication and bonding, and its central role in our quest for purpose. Investigating animal song, the neurochemical basis of musical experience, the way music unites us into groups, and the intimate tie of music and bodily motion, Schulkin ultimately sees music as a universal form of inquiry into human meaning.”
—Mark Johnson, University of Oregon

What’s so special about music? We experience it internally, yet at the same time it is highly social. Music engages our cognitive/affective and sensory systems. We use music to communicate with one another—and even with other species—the things that we cannot express through language. Music is both ancient and ever evolving. Without music, our world is missing something essential. In Reflections on the Musical Mind, Jay Schulkin offers a social and behavioral neuroscientific explanation of why music matters.

2013. 272 pages. 4 halftones. 34 line illus.
20 tables.
Cl: 978-0-691-15744-3 $45.00 | £30.95
New

**Neuro**
The New Brain Sciences and the Management of the Mind

Nikolas Rose & Joelle M. Abi-Rached

“Rarely has a book stimulated me intellectually as much as this one. Particularly exciting is the incorporation of agents who feel (affect) and deliberate, as well as influence one another through social interaction. Epstein is a brilliantly creative scholar and the range of applications showcased here is stunning. In sum, this is a pathbreaking book.”

—Paul Slovic, University of Oregon

In this pioneering synthesis, Joshua Epstein introduces a new theoretical entity: Agent_Zero. This software individual, or “agent,” is endowed with distinct emotional/affective, cognitive/deliberative, and social modules. Grounded in contemporary neuroscience, these internal components interact to generate observed, often far-from-rational, individual behavior. When multiple agents of this new type move and interact spatially, they collectively generate an astonishing range of dynamics spanning the fields of social conflict, psychology, public health, law, network science, and economics.

Princeton Studies in Complexity

March 2014. 264 pages. 113 color illus. 3 tables.
Pa: 978-0-691-15888-4 $49.50 | £34.95
Cl: 978-0-691-14960-8 $70.00 | £48.95

**Forthcoming**

**Agent_Zero**
Toward Neurocognitive Foundations for Generative Social Science

Joshua M. Epstein

“A powerful plea for scientists to work together in new ways, using the full power of the internet and information technology. Nielsen attacks the possessive attitude to data that still pervades some fields of research and shows how much scientists can gain through more open, collaborative working—which may involve members of the public as well as those inside the academic tent.”

—Clive Cookson, **Financial Times**

January 2014. 288 pages. 6 halftones. 8 line illus.
Pa: 978-0-691-16019-1 $19.95 | £13.95
Cl: 978-0-691-14890-8 $24.95 | £16.95

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

“Bolstered by recent studies and research, Kurzban makes a convincing and coherent … case for the modular mind, greatly helped by humorous footnotes and examples…. Taking on lofty topics, including truth and belief, Kurzban makes a successful case for changing—and remapping—the modern mind.”
—Publishers Weekly

“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

“Robert Kurzban is one of the best evolutionary psychologists of his generation: he is distinctive not only for his own successful research and sophisticated understanding of psychology, but also because of his wit—Kurzban is genuinely clever, sly, succinct, and sometimes hilarious.”
—Steven Pinker, Harvard University

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

New Paperback
Winner of the 2012 Silver Medal Axiom Business Book Award in Business Ethics, Jenkins Group, Inc.

Blind Spots
Why We Fail to Do What’s Right and What to Do about It
Max H. Bazerman & Ann E. Tenbrunsel

“This fascinating book holds up a desperately needed mirror that objectively reveals a reflection we might not want to see. Yet through experienced guidance and genuine input, Bazerman and Tenbrunsel offer solutions that can powerfully change the way we do business.”
—Stephen R. Covey, author of The 7 Habits of Highly Effective People and The Leader in Me

“Well-written, stuffed with intriguing research, and more than a little unnerving, this book will make readers reconsider some of their most entrenched beliefs.”
—BizEd

“[Blind Spots] is full of studies in human behavior and those results can help us, the people we manage, make better decisions…. [T]he book should be required reading for anyone entering the business world.”
—Walter Pavlo, Forbes.com

2013. 208 pages. 8 line illus. 1 table.
Pa: 978-0-691-15622-4 $16.95 | £11.95
Cl: 978-0-691-14750-5 $24.95 | £16.95
The Recursive Mind
The Origins of Human Language, Thought, and Civilization
Michael C. Corballis

"[A] fascinating and well-grounded exposition of the nature and power of recursion. In its ultra-reasonable way, this is quite a revolutionary book because it attacks key notions about language and thought. Most notably, it disputes the idea, argued especially by linguist Noam Chomsky, that thought is fundamentally linguistic—in other words, you need language before you can have thoughts."
—Liz Else, New Scientist

“Michael Corballis has written a delightful book that makes an important contribution to our understanding of the emergence of our unique capacity to communicate using a verbal generative language. . . . Although I do not agree entirely with all of Corballis’ positions, I do subscribe to most of them. More importantly I admire the way in which he formulates issues worth thinking about, which alone makes his contribution very valuable. I am happy to recommend this book to both lay readers and experts in the field.”
—Robert K. Logan, Journal of Multilingual and Multicultural Development

2011. 304 pages. 6 halftones. 9 line illus. 2 maps.
Cl: 978-0-691-14547-1 $31.95 | £21.95

New Paperback
One of Choice's Outstanding Academic Titles for 2011

Why People Cooperate
The Role of Social Motivations
Tom R. Tyler

“I am a fan of Tyler’s approach. . . . [H]e supports his theoretical approach by clear and rigorous research rather than the polemic that all too often substitutes for thought in criminology. . . . [H]e demonstrates the paucity of the view that human action is pushed and pulled by the lures of rewards and threats of penalties. . . . [H]e focuses not on the supposed outcomes of policing (such as crime rates), but upon how policing is conducted.”
—P.A.J. Waddington, Policing

“One of the clear strengths of Why People Cooperate is its applicability to a variety of disciplines. Certainly, social psychologists and some political scientists with an empirical bent will want to read this book because it offers new ways to explore interactions and exchanges within groups. Industrial/organizational psychologists and researchers in management science, too, will readily see the applicability of Tyler’s persuasive evidence. . . . Researchers interested in social policies . . . are also likely to find grist for their respective mills in this brief but rich book.”
—Dana S. Dunn, PsycCRITIQUES: Contemporary Psychology: APA Review Of Books

2013. 232 pages. 3 line illus. 14 tables.
Pa: 978-0-691-15800-6 $24.95 | £16.95
Cl: 978-0-691-14690-4 $39.95 | £27.95

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

"Beyond the Brain is indeed an amusing and entertaining read, but one with an extraordinary analytical rigor and eloquence of argument. Very accessible, enticing, and lucidly written, it can be enjoyed by professional academics and laypeople. Readers—be they novice or seasoned—will certainly find the volume uplifting and inspirational. Barrett’s style brisk and delightful and her intellectual playfulness quite salving. . . . A must read for all those who are interested in the study of comparative cognition."
—Mirko Farina, *Phenomenology and Cognitive Sciences*

Group Problem Solving
Patrick R. Laughlin

"Humans solve problems in groups. For almost one hundred years, psychologists have conducted studies of group problem solving, and in this book, Patrick Laughlin reviews the results of these efforts. A particularly strong aspect of *Group Problem Solving* is the use of mathematical models to show how group members combine their reasoning and prior knowledge in order to reach a consensus. This book will interest social psychologists, industrial-organizational psychologists, and those who want illustrations of how mathematical modeling can guide psychological research."
—Earl Hunt, University of Washington

The 5 Elements of Effective Thinking
Edward B. Burger & Michael Starbird

"Think . . . fail . . . question . . . understand . . . change . . . learn: in their powerful new book, Burger and Starbird show students, teachers, and everyone else how to harness the genius of learning. *The 5 Elements* argues that the door to knowledge is not opened by a magical test. Instead, the key is for each of us to boldly embrace a willingness to fail while organizing persistent approaches to thinking."
—Dennis Van Roekel, president of the National Education Association
New
Meeting at Grand Central
Understanding the Social and Evolutionary Roots of Cooperation
Lee Cronk & Beth L. Leech

“An evolutionary psychologist and a political scientist somehow accomplish the spectacular feat of explaining human cooperation by delineating diverse accounts of the roadblocks to it. Cronk and Leech persuasively argue that cooperation is based in complicated emergent institutions surrounding indirect reciprocity but also in basic individual biological and evolutionary realities. They are a great team.”
—John R. Hibbing, University of Nebraska–Lincoln

2012. 264 pages. 7 line illus.
Cl: 978-0-691-15495-4 $29.95 | £19.95

Forthcoming
The Alzheimer Conundrum
Entanglements of Dementia and Aging
Margaret Lock

“The Alzheimer Conundrum is a must-read for all who are interested in how society and researchers frame the investigation of Alzheimer’s disease and its effects on the aging global population. Lock has woven the individual threads of the scientific discussion and debate about dementia into a magnificent tapestry, prompting us to question our assumptions and perceptions. A compelling book.”
—Carol Brayne, University of Cambridge

November 2013. 304 pages. 12 line illus.
Cl: 978-0-691-14978-3 $29.95 | £19.95

New Paperback
A Cooperative Species
Human Reciprocity and Its Evolution
Samuel Bowles & Herbert Gintis

“A sustained and detailed argument for how genes and culture have together shaped our ability to cooperate.”
—Peter Richerson, Nature

“[Bowles and Gintis] muster all of their expert knowledge to make clear that evolution has produced a species with a truly cooperative spirit and the means to encourage cooperation in others.”
—Frans de Waal, author of The Age of Empathy

2013. 280 pages. 39 line illus. 24 tables.
Pa: 978-0-691-15816-7 $24.95 | £16.95
Cl: 978-0-691-15125-0 $42.00 | £28.95

Addiction by Design
Machine Gambling in Las Vegas
Natasha Dow Schüll

“Addiction by Design is a nonfiction page-turner. A richly detailed account of the particulars of video gaming addiction, worth reading for the excellence of the ethnographic narrative alone, it is also an empirically rigorous examination of users, designers, and objects that deepens practical and philosophical questions about the capacities of players interacting with machines designed to entice them.”
—Laura Norén, PublicBooks

2012. 456 pages. 29 halftones.
Cl: 978-0-691-12755-2 $35.00 | £24.95

Diversity and Complexity
Scott E. Page

“At once clear and precise, Page not only makes a persuasive case for the advantages of diversity in biological, ecological, and social systems alike, but also provides the reader with the analytical tools necessary to engage real-world debates in a rational, even quantitative manner. The result is a valuable primer on a difficult and important subject.”
—Duncan J. Watts, author of Small Worlds: The Dynamics of Networks between Order and Randomness
Primer in Complex Systems

2010. 304 pages. 19 line illus. 26 tables.
Pa: 978-0-691-13767-4 $23.95 | £16.95
Cl: 978-0-691-15815-0 $35.00 | £24.95

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**New Paperback**

**What Is Meaning?**

Scott Soames

“This is an outstanding book.” —Anthony Everett, *Notre Dame Philosophical Reviews*

“This is a highly original book from a major figure in the philosophy of language. Scott Soames approaches classic problems about intentionality and the unity of the proposition in a new way. The writing and argumentation are admirably clear and straightforward, and there are careful historical discussions. This book makes an important contribution.” —Robert Stalnaker, Massachusetts Institute of Technology

Soochow University Lectures in Philosophy

2012. 144 pages. 30 line illus. 
Pa: 978-0-691-15639-2 $19.95 | £13.95 
Cl: 978-0-691-14640-9 $37.50 | £26.95

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**New Paperback**

**Philosophy of Language**

Scott Soames

“This is a masterpiece. Scott Soames’s work on these topics defines orthodoxy in contemporary philosophy, and having that work distilled into a single volume is enormously valuable. The first half of the book also contains the best analysis and explication yet written of the past century of work in the philosophy of language. I’m looking forward to teaching the subject again just so I can use this book.” —Jeff Speaks, University of Notre Dame

Princeton Foundations of Contemporary Philosophy

2012. 200 pages. 4 line illus. 
Pa: 978-0-691-15597-5 $17.95 | £12.50 
Cl: 978-0-691-13866-4 $37.50 | £26.95

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**Forthcoming**

**The Origins of Monsters**

Image and Cognition in the First Age of Mechanical Reproduction

David Wengrow

“Using the entry point of ‘monsters,’ this gracefully written, learned, and provocative book draws from archaeology, history, art history, cognitive psychology, and other disciplines, and ranges through the Egyptian, Mesopotamian, classical Greek, central Asian, Iranian, and Chinese regions in order to demonstrate the interconnectedness of the ancient world. The scope of research and the force of analysis are breathtaking. A great read.” —Norman Yoffe, University of Nevada, Las Vegas and University of New Mexico

Examing the reasons behind the dissemination of monstrous imagery in ancient states and empires, *The Origins of Monsters* sheds light on the relationship between culture and cognition.

The Rostovtzeff Lectures

December 2013. 192 pages. 10 halftones. 23 line illus. 1 map. 
Cl: 978-0-691-15904-1 $39.50 | £27.95

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**New Democratic Reason**

Politics, Collective Intelligence, and the Rule of the Many

Hélène Landemore

“Hélène Landemore’s book is a landmark in the study of collective decision making. It scrutinizes and synthesizes a vast body of work, paying as much attention to the failures of deliberation and majority voting as to their achievements. Nobody working on normative theories of democracy can afford to ignore it.” —Jon Elster, Columbia University

Individual decision making can often be wrong due to misinformation, impulses, or biases. Collective decision making, on the other hand, can be surprisingly accurate. In *Democratic Reason*, Hélène Landemore demonstrates that the very factors behind the superiority of collective decision making add up to a strong case for democracy. She shows that the processes and procedures of democratic decision making form a cognitive system that ensures that decisions taken by the many are more likely to be right than decisions taken by the few. Democracy as a form of government is therefore valuable not only because it is legitimate and just, but also because it is smart.

2013. 304 pages. 5 line illus. 5 tables. 
Cl: 978-0-691-15565-4 $39.50 | £27.95
Forthcoming

How We Hope
A Moral Psychology
Adrienne M. Martin

“Martin develops a strikingly original analysis of what hope involves in terms of the kind of justification one is prepared to give for fantasizing about, making plans to achieve, and positively anticipating the hoped for outcome. Her book is rich with insights and is the most sophisticated and extensive philosophical analysis of hope available.”
—Cheshire Calhoun, Arizona State University

What exactly is hope and how does it influence our decisions? In How We Hope, Adrienne Martin presents a novel account of hope, the motivational resources it presupposes, and its function in our practical lives. She contends that hoping for an outcome means treating certain feelings, plans, and imaginings as justified, and that hope thereby involves sophisticated reflective and conceptual capacities.

January 2014. 168 pages. Cl: 978-0-691-15152-6 $39.50 | £27.95

Braintrust
What Neuroscience Tells Us about Morality
Patricia S. Churchland

“This superbly written, dense-with-thinking book is fiercely alert to what can and cannot justifiably be inferred from modern science. [Churchland] is a brilliantly precise (and often slyly funny) demolisher of exaggerated claims.”
—Steven Poole, Guardian


Logic
The Laws of Truth
Nicholas J. J. Smith

“Smith’s book combines accessibility with comprehensiveness in a way that I have not found in other texts. It is very readable and well paced, but does not sacrifice precision. Difficult issues aren’t glossed over or skipped, but are introduced at a gentle pace for novice logicians. As a teacher of logic, I see real benefits in Smith’s approach.”
—Jennifer Duke-Yonge, Macquarie University, Australia

2012. 544 pages. 80 line illus. 90 tables. Cl: 978-0-691-15163-2 $49.50 | £34.95

Winner of the 2011 PROSE Award for Excellence in Biology & Life Sciences, Association of American Publishers
Winner of the 2011 PROSE Award for Excellence in Biomedicine & Neuroscience, Association of American Publishers
One of Choice’s Outstanding Academic Titles for 2011

One of Choice’s Outstanding Academic Titles for 2011

The Brain and the Meaning of Life
Paul Thagard

“[Thagard] offers a tightly reasoned, often humorous, and original contribution to the emerging practice of applying science to areas heretofore the province of philosophers, theologians, ethicists, and politicians: … What is the source of the sense of self? What is love? What is the difference between right and wrong, and how can we know it? What is the most legitimate form of government? … Thagard employs the latest tools and findings of science in his attempts to answer these (and additional) questions.”
—Michael Shermer, Science

2012. 296 pages. 12 line illus. Pa: 978-0-691-15440-4 $19.95 | £13.95 Cl: 978-0-691-14272-2 $46.95 | £32.95

Winner of the 2011 PROSE Award for Excellence in Biology & Life Sciences, Association of American Publishers
Winner of the 2011 PROSE Award for Excellence in Biomedicine & Neuroscience, Association of American Publishers

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Logic
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Forthcoming

The Princeton Guide to Evolution
Jonathan B. Losos, editor in chief

**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. This is an essential volume.

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

**Biophysics**
Searching for Principles
William Bialek

Interactions between the fields of physics and biology reach back over a century, and some of the most significant developments in biology—from the discovery of DNA's structure to imaging of the human brain—have involved collaboration across this disciplinary boundary. For a new generation of physicists, the phenomena of life pose exciting challenges to physics itself, and biophysics has emerged as an important subfield of this discipline.

2012. 640 pages. 62 color illus. 15 halftones. 141 line illus. 1 table.
Cl: 978-0-691-13891-3 $95.00 | £65.00

**Honeybee Democracy**
Thomas D. Seeley

“The year's most enchanting science book.”
—**Financial Times**

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

Longlisted for the 2013 Winton Prize for Science Books, The Royal Society

**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*

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

Nature’s Compass
The Mystery of Animal Navigation
James L. Gould & Carol Grant Gould

“Nature’s Compass provides a wonderful account of efforts to unravel the mysteries of animal migration.”
—Homare Yamahachi, *Science*

Science Essentials
2012. 312 pages. 10 halftones. 97 line illus. 1 table.
Cl: 978-0-691-14045-2 $29.95 | £19.95

**The Optics of Life**
A Biologist’s Guide to Light in Nature
Sönke Johnsen

“One of Choice’s Outstanding Academic Titles for 2012

“More than a biologist's guide to light in nature, this book is a guide for any scientist interested in optics and the world around us.”
—**Physics Today**

2012. 360 pages. 8 color illus. 24 halftones. 90 line illus. 7 tables.
Pa: 978-0-691-13991-3 $45.00 | £30.95
Cl: 978-0-691-13990-6 $99.50 | £69.95

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Co-Winner of the 2010 Robert Lane Award, Political Psychology Section, American Political Science Association
Co-Winner of the 2010 Silver Medal Axiom Business Book Award in Entrepreneurship, Jenkins Group, Inc.
Winner of the 2009 Paul A. Samuelson Award, TIAA-CREF Institute
Shortlisted for the 2009 Business Book of the Year Award, Financial Times/Goldman Sachs
Winner of the 2009 getAbstract International Book Award
Winner of the 2009 Finance Book of the Year, China Business News
One of Financial Times’ Books of the Year for 2009
One of Bloomberg.com’s Favorite Financial-Crisis Books for 2009

With a new preface by the authors

Animal Spirits
How Human Psychology Drives the Economy, and Why It Matters for Global Capitalism
George A. Akerlof & Robert J. Shiller

“A truly innovative and bold work…. [T]he authors’ focus on the psychological aspect of economics is incredibly important.”
—Michael Mandel, BusinessWeek

2010. 264 pages. 1 table.
Pa: 978-0-691-14592-1 $16.95 | £9.95
Ci: 978-0-691-14233-3 $24.95 | £16.95

Human Evolutionary Psychology
Louise Barrett, Robin Dunbar & John Lycett

“This is an impressive review of the literature on the evolution of human behavior, including human evolutionary ecology and psychology.”
—Ruth Mace, University College London

2002. 448 pages, 75 line illus.
Pa: 978-0-691-09622-3 $67.50
For sale only in the U.S. and Canada

With a new preface by Vernon B. Mountcastle

Neuronal Man
The Biology of Mind
Jean-Pierre Changeux
Translated by Laurence Garay

“An outstanding attempt to convey to the general public an interdisciplinary understanding of the human nervous system.”
—Nature

Princeton Science Library
1997. 368 pages, 80 illus.
Pa: 978-0-691-00405-1 $35.00 | £24.95
One of Choice’s Outstanding Academic Titles for 2001

What Makes Us Think?
A Neuroscientist and a Philosopher Argue about Ethics, Human Nature, and the Brain
Jean-Pierre Changeux & Paul Ricoeur
Translated by M. B. DeBevoise

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