

The Formative Years of Relativity

The History and Meaning of Einstein's Princeton Lectures

HANOCH GUTFREUND & JÜRGEN RENN

First published in 1922 and based on lectures delivered in May 1921, Albert Einstein's *The Meaning of Relativity* offered an overview and explanation of the then new and controversial theory of relativity. The work would go on to become a monumental classic, printed in numerous editions and translations worldwide. Now, *The Formative Years of Relativity* introduces Einstein's masterpiece to new audiences. This beautiful volume contains Einstein's insightful text, accompanied by important historical materials and commentary looking at the origins and development of general relativity. Hanoch Gutfreund and Jürgen Renn provide fresh, original perspectives, placing Einstein's achievements into a broader context for all readers.

In this book, Gutfreund and Renn tell the rich story behind the early reception, spread, and consequences of Einstein's ideas during the formative years of general relativity in the late 1910s and 1920s. They show that relativity's meaning changed radically throughout the nascent years of its development, and they describe in detail the transformation of Einstein's work from the esoteric pursuit of one individual communicating with a handful of colleagues into the preoccupation of a growing community of physicists, astronomers, mathematicians, and philosophers.

This handsome edition quotes extensively from Einstein's correspondence and reproduces historical documents such as newspaper articles and letters. Inserts are featured in the main text giving concise explanations of basic concepts, and short biographical notes and photographs of some of Einstein's contemporaries are included. The first-ever English translations of two of Einstein's popular Princeton lectures are featured at the book's end.

Hanoch Gutfreund is professor emeritus of theoretical physics at the Hebrew University of Jerusalem, where he is also the academic director of the Albert Einstein Archives. **Jürgen Renn** is a director at the Max Planck Institute for the History of Science in Berlin. His books include *The Genesis of General Relativity*.

SEPTEMBER

978-0-691-17463-1 **Cloth \$35.00S**
416 pages. 66 halftones. 6 line illus. 8 x 10.

HISTORY OF SCIENCE | PHYSICS

A brand-new edition of Einstein's classic work The Meaning of Relativity, accompanied by important historical commentary and documents

"Gutfreund and Renn have produced a lucid, readable, and deeply informed account of Einstein's development of relativity theory. Focusing on Einstein's 1921 trip to America and the lectures he gave there, this impressive work is invaluable for experts and lay readers. It puts Einstein's lectures in the context of the formative years of his theory and shows how, after the 1919 eclipse observations, his theory launched one of the greatest transformations in the history of science."

—Walter Isaacson, author of *Einstein* and *Steve Jobs*

The Myth of Independence

How Congress Governs the Federal Reserve

SARAH BINDER & MARK SPINDEL

Born out of crisis a century ago, the Federal Reserve has become the most powerful macroeconomic policymaker and financial regulator in the world. *The Myth of Independence* traces the Fed's transformation from a weak, secretive, and decentralized institution in 1913 to a remarkably transparent central bank a century later. Offering a unique account of Congress's role in steering this evolution, Sarah Binder and Mark Spindel explore the Fed's past, present, and future and challenge the myth of its independence.

Binder and Spindel argue that recurring cycles of crisis, blame, and reform propelled lawmakers to create and revamp the powers and governance of the Fed at critical junctures, including the Panic of 1907, the Great Depression, the postwar Treasury-Fed Accord, the inflationary episode of the 1970s, and the recent financial crisis. Marshaling archival sources, interviews, and statistical analyses, the authors pinpoint political and economic dynamics that shaped interactions between the legislature and the Fed, and that have generated a far stronger central bank than anticipated at its founding. The Fed today retains its unique federal style, diluting the ability of lawmakers and the president to completely centralize control of monetary policy.

In the long wake of the financial crisis, with economic prospects decidedly subpar, partisan rivals in Congress seem poised to continue battling over the Fed's statutory mandates and the powers given to achieve them. Examining the interdependent relationship between America's Congress and its central bank, *The Myth of Independence* presents critical insights about the future of monetary and fiscal policies that drive the nation's economy.

Sarah Binder is professor of political science at George Washington University and senior fellow at the Brookings Institution. Her books include *Advice and Dissent* and *Stalemate*. **Mark Spindel** has spent his entire career in investment management at such organizations as Salomon Brothers, the World Bank, and Potomac River Capital, a Washington D.C.-based hedge fund he started in 2007.

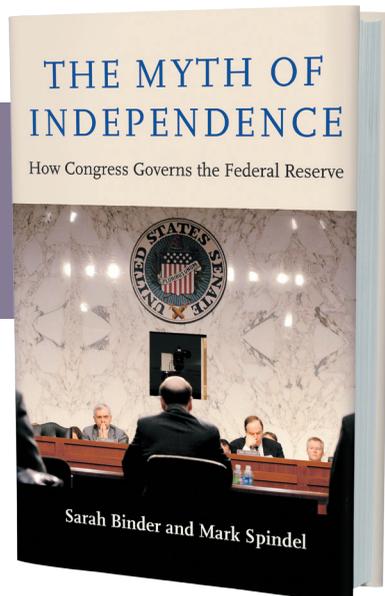
SEPTEMBER

978-0-691-16319-2 **Cloth \$35.00S**

296 pages. 2 halftones. 36 line illus. 11 tables. 1 map. 6 x 9.

POLITICAL SCIENCE | AMERICAN HISTORY

PRESS.PRINCETON.EDU

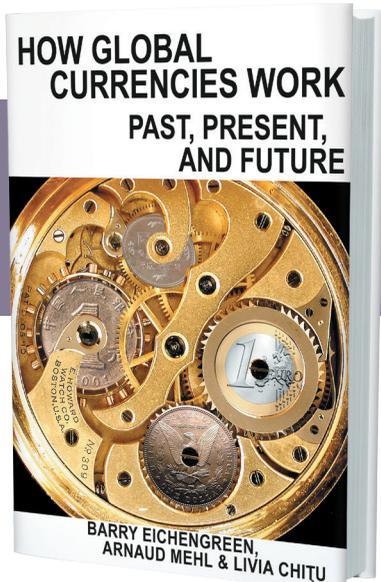


How the US Congress shaped the Fed's evolution from a decentralized institution to today's global financial regulator

"This book examines the interrelationship between Congress and the Federal Reserve over time, analyzing the congressional politics of the Federal Reserve's founding in 1913 and its subsequent institutional development through the aftermath of the 2008 financial crisis. Binder and Spindel incorporate a wealth of systematic data into their historical narrative."

—Frances E. Lee, University of Maryland

Academic Trade 53



How Global Currencies Work

Past, Present, and Future

BARRY EICHENGREEN, ARNAUD MEHL & LIVIA CHIȚU

At first glance, the modern history of the global economic system seems to support the long-held view that the leading world power's currency—the British pound, the U.S. dollar, and perhaps someday the Chinese yuan—invariably dominates international trade and finance. In *How Global Currencies Work*, three noted economists provide a reassessment of this history and the theories behind the conventional wisdom.

Offering a new history of global finance over the past two centuries, and marshaling extensive new data to test established theories of how global currencies work, Barry Eichengreen, Arnaud Mehl, and Livia Chițu argue for a new view, in which several national monies can share international currency status, and their importance can change rapidly. They demonstrate how changes in technology and in the structure of international trade and finance have reshaped the landscape of international currencies so that several international financial standards can coexist. They show that multiple international and reserve currencies have in fact coexisted in the past—upending the traditional view of the British pound's dominance prior to 1945 and the U.S. dollar's dominance more recently.

Looking forward, the book tackles the implications of this new framework for major questions facing the future of the international monetary system, from whether the euro and the Chinese yuan might address their respective challenges and perhaps rival the dollar to how increased currency competition might affect global financial stability.

Barry Eichengreen is the George C. Pardee and Helen N. Pardee Professor of Economics and Political Science at the University of California, Berkeley. His books include *Hall of Mirrors*, *Exorbitant Privilege*, *Globalizing Capital*, and *The European Economy since 1945*. **Arnaud Mehl** is principal economist at the European Central Bank. **Livia Chițu** is an economist at the European Central Bank.

DECEMBER

978-0-691-17700-7 **Cloth \$39.50S**

296 pages. 38 line illus. 18 tables. 6 x 9.

ECONOMICS | FINANCE

A powerful new understanding of global currency trends, including the rise of the Chinese yuan

“Drawing on new data, this book provides a rich contextual and historical analysis of reserve currencies in the global economy. This is very welcome, indeed.”

—Sebastian Edwards, University of California, Los Angeles

The Mexican Heartland

How Communities Shaped Capitalism, a Nation,
and World History, 1500–2000

JOHN TUTINO

The Mexican Heartland provides a new history of capitalism from the perspective of the landed communities surrounding Mexico City. In a sweeping analytical narrative spanning the sixteenth century to today, John Tutino challenges our basic assumptions about the forces that shaped global capitalism—setting families and communities at the center of histories that transformed the world.

Despite invasion, disease, and depopulation, Mexico's heartland communities held strong on the land, adapting to sustain and shape the dynamic silver capitalism so pivotal to Spain's empire and world trade for centuries after 1550. They joined in insurgencies that brought the collapse of silver and other key global trades after 1810 as Mexico became a nation, then struggled to keep land and self-rule in the face of liberal national projects. They drove Zapata's 1910 revolution—a rising that rattled Mexico and the world of industrial capitalism. Although the revolt faced defeat, adamant communities forced a land reform that put them at the center of Mexico's experiment in national capitalism after 1920. Then, from the 1950s, population growth and technical innovations drove people from rural communities to a metropolis spreading across the land. The heartland urbanized, leaving people searching for new lives—dependent, often desperate, yet still pressing their needs in a globalizing world.

A masterful work of scholarship, *The Mexican Heartland* is the story of how landed communities and families around Mexico City sustained silver capitalism, challenged industrial capitalism—and now struggle under globalizing urban capitalism.

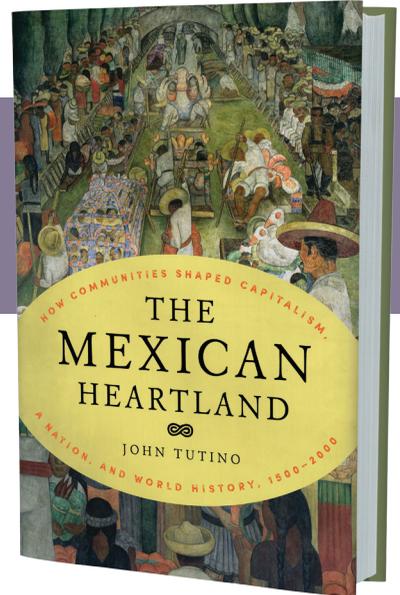
John Tutino is professor of history and international affairs and director of the Americas Initiative at Georgetown University. His books include *Making a New World: Founding Capitalism in the Bajío and Spanish North America* and *From Insurrection to Revolution in Mexico: Social Bases of Agrarian Violence, 1750–1940* (Princeton).

DECEMBER

978-0-691-17436-5 **Cloth \$39.50S**

544 pages. 32 halftones. 17 tables. 17 maps. 6 x 9.

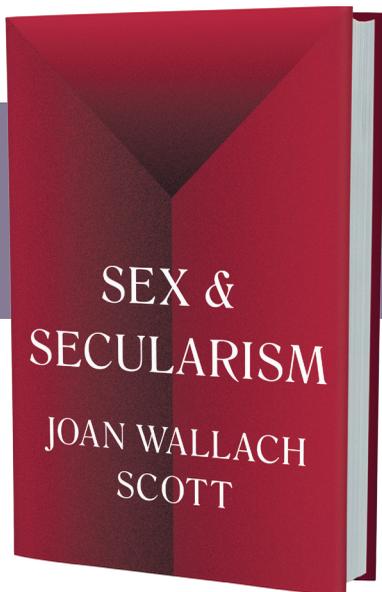
WORLD HISTORY



A major new history of capitalism from the perspective of the indigenous peoples of Mexico, who sustained and resisted it for centuries

"*The Mexican Heartland* is an excellent book. Tutino combines a big, systemic picture of structural change with an understanding of how people at the grass roots accommodated, protested, and altered those structures. His argument is convincing and important."

—Kenneth Pomeranz, author of *The Great Divergence: China, Europe, and the Making of the Modern World Economy*



How secularism has been used to justify the subordination of women

“This wonderful book addresses both academic and activist worlds concerned with feminism, secularism, sexuality, and politics. With her historian’s sensibility and signature analytic clarity, Scott offers a novel account of the vicissitudes of gender in Western secular thought and practice.”

—Wendy Brown, author of *Undoing the Demos: Neoliberalism’s Stealth Revolution*

Sex and Secularism

JOAN WALLACH SCOTT

Joan Wallach Scott’s acclaimed and controversial writings have been foundational for the field of gender history. With *Sex and Secularism*, Scott challenges one of the central claims of the “clash of civilizations” polemic—the false notion that secularism is a guarantee of gender equality.

Drawing on a wealth of scholarship by second-wave feminists and historians of religion, race, and colonialism, Scott shows that the gender equality invoked today as a fundamental and enduring principle was not originally associated with the term “secularism” when it first entered the lexicon in the nineteenth century. In fact, the *inequality* of the sexes was fundamental to the articulation of the separation of church and state that inaugurated Western modernity. Scott points out that Western nation-states imposed a new order of women’s subordination, assigning them to a feminized familial sphere meant to complement the rational masculine realms of politics and economics. It was not until the question of Islam arose in the late twentieth century that gender equality became a primary feature of the discourse of secularism.

Challenging the assertion that secularism has always been synonymous with equality between the sexes, *Sex and Secularism* reveals how this idea has been used to justify claims of white, Western, and Christian racial and religious superiority and has served to distract our attention from a persistent set of difficulties related to gender difference—ones shared by Western and non-Western cultures alike.

Joan Wallach Scott is professor emerita in the School of Social Science at the Institute for Advanced Study in Princeton and adjunct professor of history at the Graduate Center of the City University of New York. Her many books include *The Fantasy of Feminist History*, *The Politics of the Veil* (Princeton), and *Gender and the Politics of History*.

NOVEMBER

978-0-691-16064-1 **Cloth \$27.95S**
280 pages. 5 ½ x 8 ½.

The Public Square
Ruth O’Brien, Series Editor

HISTORY | WOMEN’S STUDIES

Reputation

What It Is and Why It Matters

GLORIA ORIGGI

Translated by Stephen Holmes & Noga Arikha

Reputation touches almost everything, guiding our behavior and choices in countless ways. But it is also shrouded in mystery. Why is it so powerful when the criteria by which people and things are defined as good or bad often appear to be arbitrary? Why do we care so much about how others see us that we may even do irrational and harmful things to try to influence their opinion? In this engaging book, Gloria Origgi draws on philosophy, social psychology, sociology, economics, literature, and history to offer an illuminating account of an important yet oddly neglected subject.

She examines the influence of the Internet and social media, as well as the countless ranking systems that characterize modern society and contribute to the creation of formal and informal reputations in our social relations, in business, in politics, in academia, and even in wine. Origgi highlights the importance of reputation to the effective functioning of the economy and e-commerce. She also discusses the existential significance of our obsession with reputation, concluding that an awareness of the relationship between our reputation and our actions empowers us to better understand who we are and why we do what we do.

Compellingly written and filled with surprising insights, *Reputation* pins down an elusive subject that affects everyone.

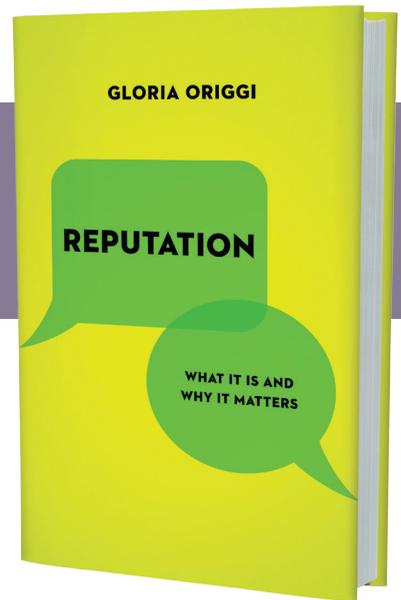
Gloria Origgi, a Paris-based philosopher, is a senior researcher at the Institut Jean Nicod at the National Center for Scientific Research. Her books include one on trust and another on the future of writing on the Internet. She maintains a blog in English, French, and Italian at gloriaoriggi.blogspot.com.

DECEMBER

978-0-691-17535-5 **Cloth \$29.95S**

336 pages. 2 halftones. 5 line illus. 5 ½ x 8 ½.

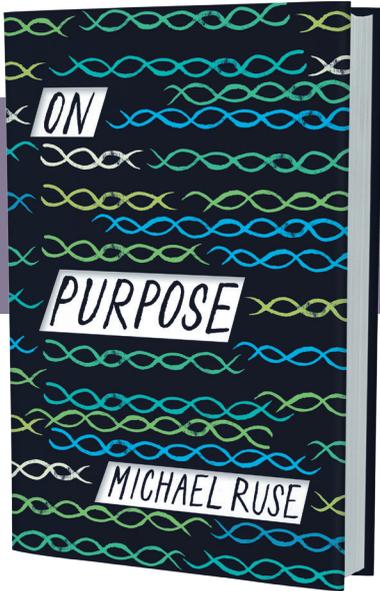
PHILOSOPHY | PSYCHOLOGY | CURRENT AFFAIRS



A compelling exploration of how reputation affects every aspect of contemporary life

“This is a truly original, highly insightful, and highly readable book on a vital yet largely unexplored question: who do we trust, why should we trust, and how should we trust. Let’s stop ignoring the expert problem. This is not a book, but the birth of a branch of applied knowledge.”

—Nassim Nicholas Taleb



On Purpose

MICHAEL RUSE

Can we live without the idea of purpose? Should we even try to? Kant thought we were stuck with purpose, and even Darwin's theory of natural selection, which profoundly shook the idea, was unable to kill it. Indeed, teleological explanation—what Aristotle called understanding in terms of “final causes”—seems to be making a comeback today, as both religious proponents of intelligent design and some prominent secular philosophers argue that any explanation of life without the idea of purpose is missing something essential.

In *On Purpose*, Michael Ruse explores the history of the idea of purpose in philosophical, religious, scientific, and historical thought, from ancient Greece to the present. Accessibly written and filled with literary and other examples, the book examines “purpose” thinking in the natural and human world. It shows how three ideas about purpose have been at the heart of Western thought for more than two thousand years. In the Platonic view, purpose results from the planning of a human or divine being; in the Aristotelian, purpose stems from a tendency or principle of order in the natural world; and in the Kantian, purpose is essentially heuristic, or something to be discovered, an idea given substance by Darwin's theory of evolution through natural selection.

On Purpose traces the profound and fascinating implications of these ways of thinking about purpose. Along the way, it takes up tough questions about the purpose of life and whether it's possible to have meaning without purpose, revealing that purpose is still a vital and pressing issue.

Michael Ruse is the Lucyle T. Werkmeister Professor of Philosophy and Director of the Program in the History and Philosophy of Science at Florida State University. He has written or edited more than fifty books, including *Darwinism as Religion*, *The Philosophy of Human Evolution*, and *The Darwinian Revolution*.

DECEMBER

978-0-691-17246-0 **Cloth \$27.95S**

296 pages. 5 ½ x 8 ½.

PHILOSOPHY | HISTORY OF SCIENCE | EVOLUTION

A brief, accessible history of the idea of purpose in Western thought, from ancient Greece to the present

“Do humans have purposes and values? Michael Ruse, after ‘a lifetime’s quest for understanding,’ concludes ‘yes.’ In this book, he journeys from Plato and Aristotle, through St. Augustine and Kant, to Darwin. The exploration is scholarly and profound, as well as eminently readable. There is much to learn from *On Purpose* and much to relish while reading it.”

—Francisco J. Ayala, University of California, Irvine

The Strength in Numbers

The New Science of Team Science

BARRY BOZEMAN & JAN YOUTIE

Once upon a time, it was the lone scientist who achieved brilliant breakthroughs. No longer. Today, science is done in teams of as many as hundreds of researchers who may be scattered across continents and represent a range of hierarchies. These collaborations can be powerful, but they demand new ways of thinking about scientific research. When three hundred people make a discovery, who gets credit? How can all collaborators' concerns be adequately addressed? Why do certain STEM collaborations succeed while others fail?

Focusing on the nascent science of team science, *The Strength in Numbers* synthesizes the results of the most far-reaching study to date on collaboration among university scientists to provide answers to such questions. Drawing on a national survey with responses from researchers at more than one hundred universities, anonymous web posts, archival data, and extensive interviews with active scientists and engineers in over a dozen STEM disciplines, Barry Bozeman and Jan Youtie set out a framework to characterize different types of collaboration and their likely outcomes. They also develop a model to define research effectiveness, which assesses factors internal and external to collaborations. They advance what they have found to be the gold standard of science collaborations: consultative collaboration management. This strategy—which codifies methods of consulting all team members on a study's key points and incorporates their preferences and values—empowers managers of STEM collaborations to optimize the likelihood of their effectiveness.

The Strength in Numbers is a milestone in the science of team science and an indispensable guide for scientists interested in maximizing collaborative success.

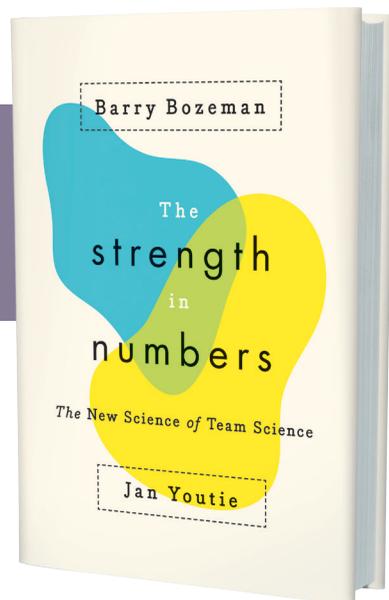
Barry Bozeman is the director of the Center for Organization Research and Design, and Arizona Centennial Professor of Technology Policy and Public Management at Arizona State University. His books include *Public Values and Public Interest* and *All Organizations Are Public*. **Jan Youtie** is director of the Program in Science, Technology, and Innovation Policy at Georgia Institute of Technology.

NOVEMBER

978-0-691-17406-8 Cloth \$35.00S
216 pages. 15 line illus. 7 tables. 6 x 9.

SCIENCE

PRESS.PRINCETON.EDU



The most authoritative study to date on why collaborations in STEM fields succeed or fail and how to ensure success

“At long last, a book addressing the reality of modern collaborative research science with all that this implies for diversity, credit, and reputation. *The Strength in Numbers* is a necessary corrective to the dominant myth of solitary creativity and its numerous, retrograde institutional manifestations. Think of it as a self-help book full of useful insights and suggestions for researchers and administrators waking up to collective intelligence.”

—David C. Krakauer, Santa Fe Institute

Academic Trade 59



An innovative and accessible guide to doing social research in the digital age

“*Bit by Bit* is, by far, the best and most up-to-date book on modern social science. Salganik writes compellingly and inspiringly. He has done a wonderful job of collecting a diverse set of meaningful examples and describing how they are important in language anyone can understand.”

—Sean Taylor, research scientist,
Facebook

Bit by Bit

Social Research in the Digital Age

MATTHEW J. SALGANIK

In just the past several years, we have witnessed the birth and rapid spread of social media, mobile phones, and numerous other digital marvels. In addition to changing how we live, these tools enable us to collect and process data about human behavior on a scale never before imaginable, offering entirely new approaches to core questions about social behavior. *Bit by Bit* is the key to unlocking these powerful methods—a landmark book that will fundamentally change how the next generation of social scientists and data scientists explores the world around us.

Bit by Bit is the essential guide to mastering the key principles of doing social research in this fast-evolving digital age. In this comprehensive yet accessible book, Matthew Salganik explains how the digital revolution is transforming how social scientists observe behavior, ask questions, run experiments, and engage in mass collaborations. He provides a wealth of real-world examples throughout, and also lays out a principles-based approach to handling ethical challenges in the era of social media.

Bit by Bit is an invaluable resource for social scientists who want to harness the research potential of big data and a must-read for data scientists interested in applying the lessons of social science to tomorrow’s technologies.

- ◆ Illustrates important ideas with examples of outstanding research
- ◆ Combines ideas from social science and data science in an accessible style and without jargon
- ◆ Goes beyond the analysis of “found” data to discuss the collection of “designed” data such as surveys, experiments, and mass collaboration
- ◆ Features an entire chapter on ethics
- ◆ Includes activities for the classroom or self-study

Matthew J. Salganik is professor of sociology at Princeton University. His research has been featured on NPR and in such publications as the *New Yorker*, the *New York Times*, and the *Wall Street Journal*.

DECEMBER

978-0-691-15864-8 **Cloth \$35.00S**

360 pages. 21 halftones. 58 line illus. 28 tables. 2 maps. 7 x 9.

SOCIAL SCIENCE | COMPUTER SCIENCE

Hasidism

A New History

DAVID BIALE, DAVID ASSAF, BENJAMIN BROWN,
URIEL GELLMAN, SAMUEL HEILMAN, MOSHE
ROSMAN, GADI SAGIV & MARCIN WODZIŃSKI

With an afterword by Arthur Green

This is the first comprehensive history of the pietistic movement that shaped modern Judaism. The book's unique blend of intellectual, religious, and social history offers perspectives on the movement's leaders as well as its followers, and demonstrates that, far from being a throwback to the Middle Ages, Hasidism is a product of modernity that forged its identity as a radical alternative to the secular world.

Hasidism originated in southeastern Poland, in mystical circles centered on the figure of Israel Baal Shem Tov, but it was only after his death in 1760 that a movement began to spread. Challenging the notion that Hasidism ceased to be a creative movement after the eighteenth century, this book argues that its first golden age was in the nineteenth century, when it conquered new territory, won a mass following, and became a mainstay of Jewish Orthodoxy. World War I, the Russian Revolution, and the Holocaust decimated eastern European Hasidism. But following World War II, the movement enjoyed a second golden age, growing exponentially. Today, it is witnessing a remarkable renaissance in Israel, the United States, and other countries around the world.

Hasidism is a must-read for anyone seeking to understand this vibrant and influential modern Jewish movement.

David Biale is the Emanuel Ringelblum Distinguished Professor of Jewish History at the University of California, Davis. **David Assaf** is professor of Jewish history at Tel Aviv University. **Benjamin Brown** is professor of Jewish thought at the Hebrew University of Jerusalem. **Uriel Gellman** is lecturer in Jewish history at Bar-Ilan University. **Samuel Heilman** is Distinguished Professor of Sociology at Queens College and the Graduate Center, City University of New York. **Moshe Rosman** is professor of Jewish history at Bar-Ilan University. **Gadi Sagiv** is senior lecturer in Jewish history at the Open University of Israel. **Marcin Wodziński** is professor of Jewish studies at the University of Wrocław.

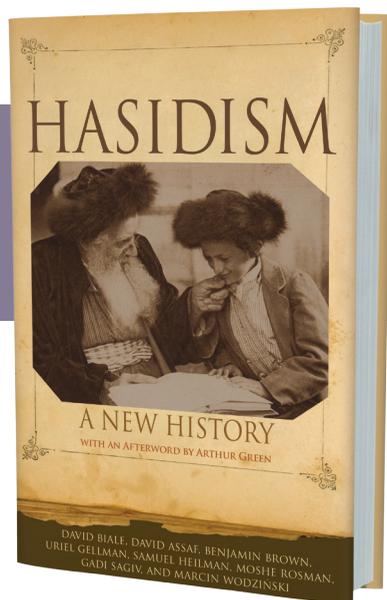
NOVEMBER

978-0-691-17515-7 Cloth \$45.00S

808 pages. 60 halftones. 12 maps. 7 x 10.

RELIGION | JEWISH STUDIES

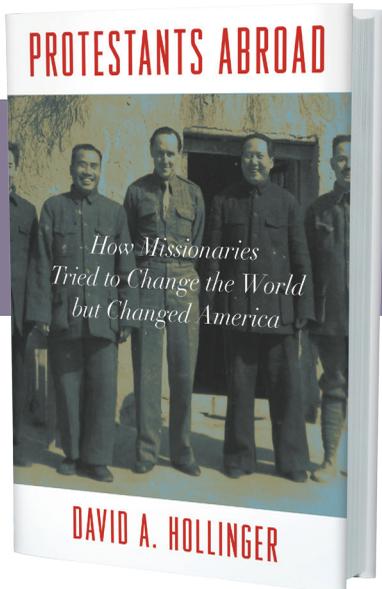
PRESS.PRINCETON.EDU



*The first comprehensive history
of the pietistic movement that
shaped modern Judaism*

“A landmark book—the only one that
treats the entire history of Hasidism.”
—Gershon David Hundert, author
of *Jews in Poland-Lithuania in the
Eighteenth Century*

Academic Trade 61



They sought to transform the world, and ended up transforming twentieth-century America

“Writing with eloquence and confidence, Hollinger convincingly argues that the Protestant U.S. missionary experience had a surprisingly large and pervasive impact on American culture, politics, and society in the middle decades of the twentieth century. This is a much-needed book, with many masterful insights.”

—Ian Tyrrell, author of *Reforming the World: The Creation of America's Moral Empire*

Protestants Abroad

How Missionaries Tried to Change the World but Changed America

DAVID A. HOLLINGER

Between the 1890s and the Vietnam era, tens of thousands of American Protestant missionaries were stationed throughout the non-European world. They expected to change the peoples they encountered abroad, but those foreign peoples ended up changing the missionaries. Missionary experience made many of these Americans critical of racism, imperialism, and religious orthodoxy. When they returned home, the missionaries and their children liberalized their own society. *Protestants Abroad* reveals the untold story of how these missionary-connected individuals left their enduring mark on American public life as writers, diplomats, academics, church officials, publishers, foundation executives, and social activists.

David Hollinger provides riveting portraits of such figures as Pearl Buck, John Hersey, and *Life* and *Time* publisher Henry Luce, former “mish kids” who strove through literature and journalism to convince white Americans of the humanity of other peoples. Hollinger describes how the U.S. government’s need for people with language skills and direct experience in Asian societies catapulted dozens of missionary-connected individuals into prominent roles in intelligence and diplomacy. He also shows how Edwin Reischauer and other scholars with missionary backgrounds led the growth of Foreign Area Studies in universities during the Cold War. Hollinger shows how the missionary contingent advocated multiculturalism at home and anticolonialism abroad, pushed their churches in ecumenical and social-activist directions, and joined with cosmopolitan Jewish intellectuals to challenge traditional Protestant cultural hegemony and promote a pluralist vision of American life. Missionary cosmopolitans were the Anglo-Protestant counterparts of the New York Jewish intelligentsia of the same era.

Protestants Abroad sheds new light on how missionary-connected American Protestants played a crucial role in the development of modern American liberalism.

David A. Hollinger is the Preston Hotchkis Professor of American History Emeritus at the University of California, Berkeley.

NOVEMBER

978-0-691-15843-3 **Cloth \$35.00S**
400 pages. 32 halftones. 6 x 9.

AMERICAN HISTORY | RELIGION

In Search of the Phoenicians

JOSEPHINE QUINN

The Phoenicians traveled the Mediterranean long before the Greeks and Romans, trading, establishing settlements, and refining the art of navigation. But who these legendary sailors really were has long remained a mystery. *In Search of the Phoenicians* makes the startling claim that the “Phoenicians” never actually existed. Taking readers from the ancient world to today, this monumental book argues that the notion of these sailors as a coherent people with a shared identity, history, and culture is a product of modern nationalist ideologies—and a notion very much at odds with the ancient sources.

Josephine Quinn shows how the belief in this historical mirage has blinded us to the compelling identities and communities these people really constructed for themselves in the ancient Mediterranean, based not on ethnicity or nationhood but on cities, family, colonial ties, and religious practices. She traces how the idea of “being Phoenician” first emerged in support of the imperial ambitions of Carthage and then Rome, and only crystallized as a component of modern national identities in contexts as far-flung as Ireland and Lebanon.

In Search of the Phoenicians delves into the ancient literary, epigraphic, numismatic, and artistic evidence for the construction of identities by and for the Phoenicians, ranging from the Levant to the Atlantic, and from the Bronze Age to late antiquity and beyond. A momentous scholarly achievement, this book also explores the prose, poetry, plays, painting, and polemic that have enshrined these fabled seafarers in nationalist histories from sixteenth-century England to twenty-first century Tunisia.

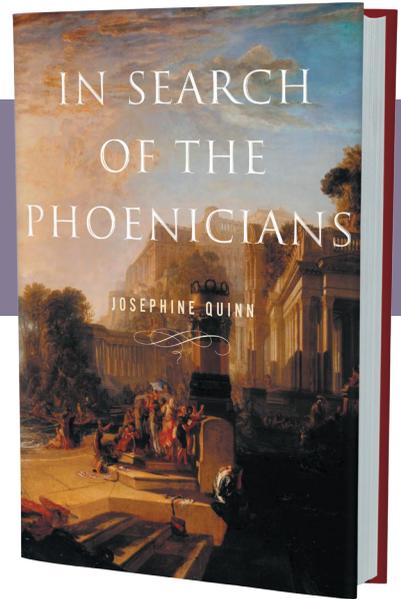
Josephine Quinn is associate professor of ancient history at the University of Oxford and a fellow of Worcester College. She is the coeditor of *The Hellenistic West* and *The Punic Mediterranean*.

DECEMBER

978-0-691-17527-0 **Cloth \$35.00S**
360 pages. 75 halftones. 11 maps. 6 x 9.

Miriam S. Balmuth Lectures in Ancient History and Archaeology

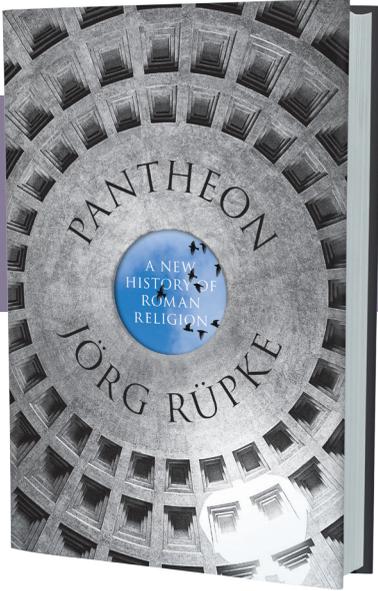
ANCIENT HISTORY



Who were the ancient Phoenicians, and did they actually exist?

“Stimulating and original. Quinn extensively explores what we mean by Phoenician and how this term has not only had its own uses at various times in the past but also how these uses have influenced one another to create a palimpsest of meanings. *In Search of the Phoenicians* is an intellectual and interdisciplinary tour de force.”

—Peter van Dommelen, coeditor of *The Cambridge Prehistory of the Bronze and Iron Age Mediterranean*



Pantheon

A New History of Roman Religion

JÖRG RÜPKE

Translated by David M. B. Richardson

From one of the world's leading authorities on the subject, an innovative and comprehensive account of religion in the ancient Roman and Mediterranean world

“Strikingly ambitious, this new history of Roman religion represents a decisive contribution to the field. Going beyond a conventional history of religion, Jörg Rüpke integrates religion with political, economic, and social developments over more than a millennium—a span no one else has attempted to cover in a single volume. Rüpke’s vast erudition, combined with his emphasis on individual experience and agency within this larger context, opens up a new way to understand religion itself, making this book a unique event.”

—Harriet Flower, Princeton University

In this ambitious and authoritative book, Jörg Rüpke provides a comprehensive and strikingly original narrative history of ancient Roman and Mediterranean religion over more than a millennium—from the late Bronze Age through the Roman imperial period and up to full-fledged Christianization. While focused primarily on the city of Rome, *Pantheon* fully integrates the many religious traditions found throughout the Mediterranean world, including Judaism and Christianity. This generously illustrated book is also distinguished by its unique emphasis on “lived religion,” a perspective that stresses how individuals’ experiences and practices transform religion into something different from its official form. The result is a radically new picture of both Roman religion and a crucial period in Western religion—one that influenced Judaism, Christianity, Islam, and even the modern idea of “religion” itself.

Drawing on a vast range of literary and archaeological evidence, *Pantheon* shows how Roman religion shaped and was shaped by its changing historical contexts from the ninth century BCE to the fourth century CE. Because religion was not a distinct sphere in the Roman world, the book treats religion as inseparable from developments in political, social, economic, and cultural life. The narrative emphasizes the diversity of Roman religion, offers a new view of central concepts such as “temple,” “altar,” and “votive,” reassesses the gendering of religious practices, and much more. Throughout, *Pantheon* draws on the insights of modern religious studies, but without “modernizing” ancient religion.

With its unprecedented scope and innovative approach, *Pantheon* is an unparalleled account of ancient Roman and Mediterranean religion.

Jörg Rüpke is vice-director and permanent fellow in religious studies at the Max Weber Center for Advanced Cultural and Sociological Studies at the University of Erfurt, Germany, and has been a visiting professor at the Collège de France, Princeton University, and the University of Chicago. His many books include *On Roman Religion* and *From Jupiter to Christ*.

FEBRUARY

978-0-691-15683-5 **Cloth \$39.95S**

536 pages. 56 halftones. 4 line illus. 6 x 9.

ANCIENT HISTORY | CLASSICS | RELIGION

Jabotinsky's Children

Polish Jews and the Rise of Right-Wing Zionism

DANIEL KUPFERT HELLER

By the late 1930s, as many as fifty thousand Polish Jews belonged to Betar, a youth movement known for its support of Vladimir Jabotinsky, the founder of right-wing Zionism. Poland was not only home to Jabotinsky's largest following. The country also served as an inspiration and incubator for the development of right-wing Zionist ideas. *Jabotinsky's Children* draws on a wealth of rare archival material to uncover how the young people in Betar were instrumental in shaping right-wing Zionist attitudes about the roles that authoritarianism and military force could play in the quest to build and maintain a Jewish state.

Recovering the voices of ordinary Betar members through their letters, diaries, and autobiographies, *Jabotinsky's Children* paints a vivid portrait of young Polish Jews and their turbulent lives on the eve of the Holocaust. Rather than define Jabotinsky as a firebrand fascist or steadfast democrat, the book instead reveals how he deliberately delivered multiple and contradictory messages to his young followers, leaving it to them to interpret him as they saw fit. Tracing Betar's surprising relationship with interwar Poland's authoritarian government, *Jabotinsky's Children* overturns popular misconceptions about Polish-Jewish relations between the two world wars and captures the fervent efforts of Poland's Jewish youth to determine, on their own terms, who they were, where they belonged, and what their future held in store.

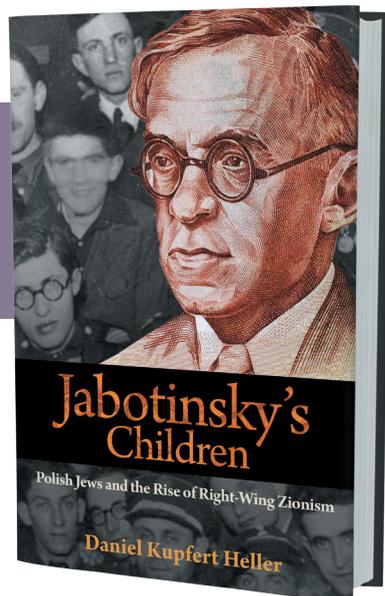
Shedding critical light on a vital yet neglected chapter in the history of Zionism, *Jabotinsky's Children* provides invaluable perspective on the origins of right-wing Zionist beliefs and their enduring allure in Israel today.

Daniel Kupfert Heller is assistant professor of Jewish studies at McGill University.

AUGUST

978-0-691-17475-4 **Cloth \$35.00S**
344 pages. 8 halftones. 2 maps. 6 x 9.

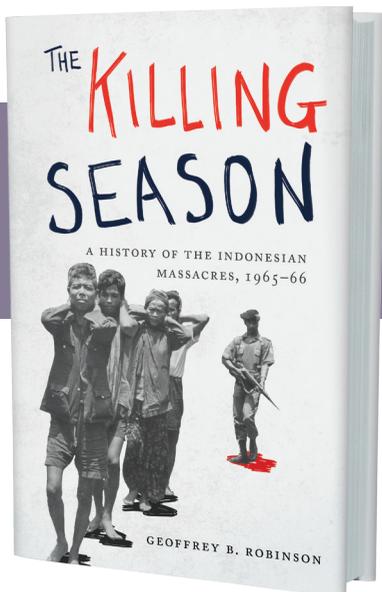
JEWISH STUDIES | EUROPEAN HISTORY



How interwar Poland and its Jewish youth were instrumental in shaping the ideology of right-wing Zionism

“An exceptionally valuable, innovative, and original work, *Jabotinsky's Children* is a very important contribution to the history of Zionism, Polish Jewry, and the Israeli Right. Heller writes with great sophistication and historical intuition.”

—Anita Shapira, author of *Ben-Gurion: Father of Modern Israel*



The Killing Season

A History of the Indonesian Massacres, 1965–66

GEOFFREY B. ROBINSON

The Killing Season explores one of the largest and swiftest, yet least examined, instances of mass killing and incarceration in the twentieth century—the shocking antileftist purge that gripped Indonesia in 1965–66, leaving some five hundred thousand people dead and more than a million others in detention.

An expert in modern Indonesian history, genocide, and human rights, Geoffrey Robinson sets out to account for this violence and to end the troubling silence surrounding it. In doing so, he sheds new light on broad and enduring historical questions. How do we account for instances of systematic mass killing and detention? Why are some of these crimes remembered and punished, while others are forgotten? What are the social and political ramifications of such acts and such silence?

Challenging conventional narratives of the mass violence of 1965–66 as arising spontaneously from religious and social conflicts, Robinson argues convincingly that it was instead the product of a deliberate campaign, led by the Indonesian Army. He also details the critical role played by the United States, Britain, and other major powers in facilitating mass murder and incarceration. Robinson concludes by probing the disturbing long-term consequences of the violence for millions of survivors and Indonesian society as a whole.

Based on a rich body of primary and secondary sources, *The Killing Season* is the definitive account of a pivotal period in Indonesian history. It also makes a powerful contribution to wider debates about the dynamics and legacies of mass killing, incarceration, and genocide.

Geoffrey B. Robinson is professor of history at the University of California, Los Angeles. His books include *The Dark Side of Paradise: Political Violence in Bali* and “If You Leave Us Here, We Will Die”: *How Genocide Was Stopped in East Timor* (Princeton).

FEBRUARY

978-0-691-16138-9 **Cloth \$35.00S**

368 pages. 20 halftones. 6 x 9.

Human Rights and Crimes against Humanity
Eric D. Weitz, Series Editor

HISTORY | ASIAN STUDIES

The definitive account of one of the twentieth century's most brutal, yet least examined, episodes of genocide and detention

“Finally, a full accounting of one of the most brutal events in twentieth-century history. Geoffrey Robinson’s *The Killing Season* documents, in chilling detail, the mass murder of half a million Indonesians between 1965 and 1966. Based on fine-grained research, Robinson’s book is a model of analytical and moral clarity, shining a damning light on U.S. complicity in the atrocity. This is a tour de force.”
—Greg Grandin, author of *Fordlandia*

Measuring Tomorrow

Accounting for Well-Being, Resilience, and Sustainability
in the Twenty-First Century

ÉLOI LAURENT

Never before in human history have we produced so much data, and this empirical revolution has shaped economic research and policy profoundly. But are we measuring, and thus managing, the right things—those that will help us solve the real social, economic, political, and environmental challenges of the twenty-first century? In *Measuring Tomorrow*, Éloi Laurent argues that we need to move away from narrowly useful metrics such as gross domestic product and instead use broader ones that aim at well-being, resilience, and sustainability. By doing so, countries will be able to shift their focus away from infinite and unrealistic growth and toward social justice and quality of life for their citizens.

The time has come for these broader metrics to become more than just descriptive, Laurent argues; applied carefully by private and public decision makers, they can foster genuine progress. He begins by taking stock of the booming field of well-being and sustainability indicators, and explains the insights that the best of these can offer. He then shows how these indicators can be used to develop new policies, from the local to the global.

An essential resource for scholars, students, and policymakers, *Measuring Tomorrow* covers all aspects of well-being—including health, education, and the environment—and incorporates a broad range of data and fascinating case studies from around the world: not just the United States and Europe but also China, Africa, the Middle East, and India.

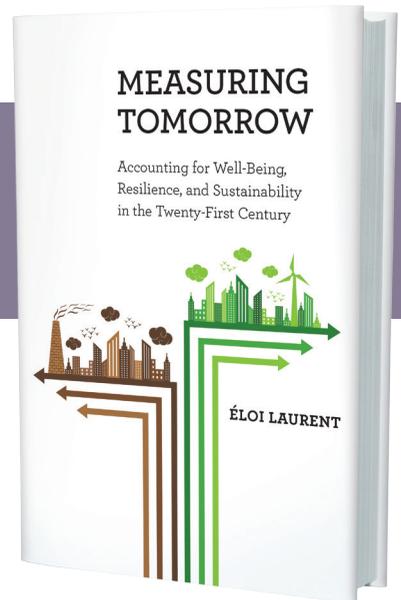
Éloi Laurent is senior economist at the Sciences Po Centre for Economic Research (OFCE) in Paris. He also teaches at Stanford University and has been a visiting professor at Harvard University. He is the author or editor of fifteen books.

JANUARY

978-0-691-17069-5 **Cloth \$35.00S**

256 pages. 20 line illus. 15 tables. 6 x 9.

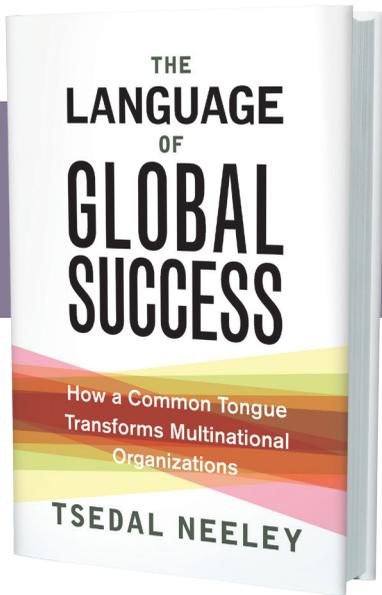
ECONOMICS | PUBLIC POLICY | ENVIRONMENTAL STUDIES



*How moving beyond GDP
will improve well-being
and sustainability*

“In this book, Éloi Laurent addresses the challenge of ensuring that measurement of the economy reflects all the dimensions of what society values, including the sustainable use of resources. This is a practical contribution to the increasingly salient agenda of going ‘beyond GDP’ in setting metrics to guide public policy, incorporating indicators of environmental quality and well-being.”

—Diane Coyle, author of *GDP: A Brief but Affectionate History*



The Language of Global Success

How a Common Tongue Transforms
Multinational Organizations

TSEDAL NEELEY

*How one global organization's
lingua franca mandate shaped
the lives of its employees
around the world*

"This is a fascinating examination of how an English-language mandate at a Japanese firm, Rakuten, unfolded over time and how employees reacted to it. I am not aware of any other book on the organizational aspects of such mandates, and the scope and length of this impressive study make it valuable and important."

—JoAnne Yates, MIT Sloan School
of Management

For nearly three decades, English has been the lingua franca of cross-border organizations, yet studies on corporate language strategies and their importance for globalization have been scarce. In *The Language of Global Success*, Tsedal Neeley provides an in-depth look at a single organization—the high-tech giant Rakuten—in the five years following its English lingua franca mandate. Neeley's behind-the-scenes account explores how language shapes the ways in which employees who work in global organizations communicate and negotiate linguistic and cultural differences.

Drawing on 650 interviews conducted across Rakuten's locations in Brazil, France, Germany, Indonesia, Japan, Taiwan, Thailand, and the United States, Neeley argues that an organization's lingua franca is the catalyst by which all employees become some kind of "expat"—someone detached from their mother tongue or home culture. Through her unfettered access to the inner workings of Rakuten, she reveals three distinct social groups: "linguistic expats," who live in their home country yet have to give up their native language in the workplace; "cultural expats," or native speakers of the lingua franca, who struggle less with organizational values after language barriers are removed; and finally "linguistic-cultural expats," who, while native to neither the lingua franca nor the organization's home culture, surprisingly have the easiest time adjusting to language changes. Neeley demonstrates that language can serve as the conduit for an unfamiliar culture, often in unexpected ways, and that there are lessons to be learned for all global companies as they confront language and culture challenges.

Examining the strategic use of language by one international corporation, *The Language of Global Success* uncovers how all organizations might integrate language effectively to tap into the promise of globalization.

Tsedal Neeley is an associate professor in the Organizational Behavior Unit at Harvard Business School.

SEPTEMBER

978-0-691-17537-9 **Cloth \$26.95**
184 pages. 2 line illus. 5 tables. 6 x 9.

BUSINESS | SOCIOLOGY

Unhealthy Politics

The Battle over Evidence-Based Medicine

ERIC M. PATASHNIK, ALAN S. GERBER &
CONOR M. DOWLING

The U.S. medical system is touted as the most advanced in the world, yet many common treatments are not based on sound science. Treatments can go into widespread use before they are rigorously evaluated, and every year patients are harmed because they receive too many procedures—and too few treatments that really work. *Unhealthy Politics* sheds new light on why the government's response to this troubling situation has been so inadequate, and why efforts to improve the evidence base of U.S. medicine continue to cause so much political controversy and public trepidation.

This critically important book draws on public opinion surveys, physician surveys, case studies, and political science models to explain how political incentives, polarization, and the misuse of professional authority have undermined efforts to tackle the medical evidence problem and curb wasteful spending. It paints a portrait of a medical industry with vast influence over which procedures and treatments get adopted, and a public burdened by the rising costs of health care yet fearful of going against “doctor’s orders.” The book shows how the government’s efforts to promote evidence-based medicine have become mired in partisan debates. It also proposes sensible solutions that can lead to better, more efficient health care for all of us.

Unhealthy Politics offers vital insights not only into health policy but also into the limits of science, expertise, and professionalism as political foundations for pragmatic problem solving in American democracy.

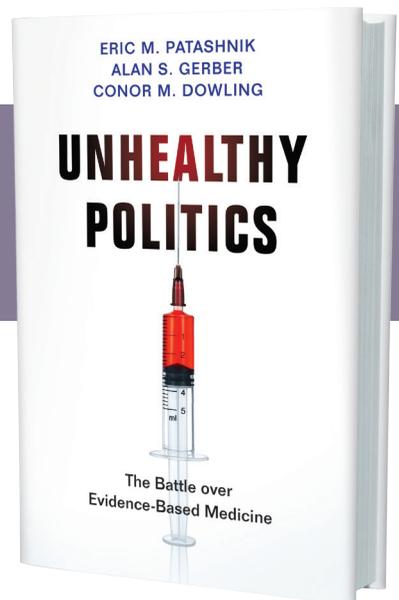
Eric M. Patashnik is the Julis-Rabinowitz Professor of Public Policy and Political Science at Brown University. His books include *Reforms at Risk* (Princeton). **Alan S. Gerber** is the Charles C. and Dorathea S. Dilley Professor of Political Science at Yale University. His books include *Field Experiments*. **Conor M. Dowling** is associate professor of political science at the University of Mississippi. He is the coauthor of *Super PAC!*

OCTOBER

978-0-691-15881-5 **Cloth \$29.95S**
240 pages. 17 line illus. 9 tables. 6 x 9.

POLITICS | PUBLIC POLICY

PRESS.PRINCETON.EDU

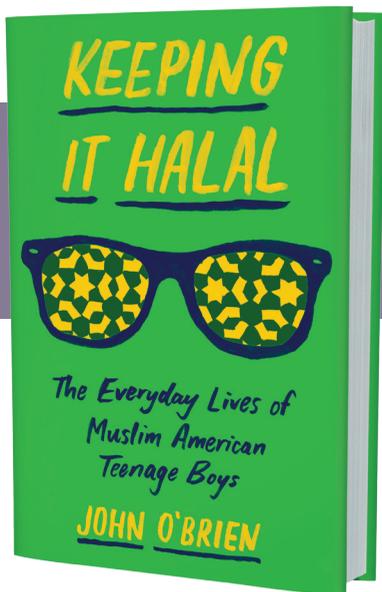


How partisanship, polarization, and medical authority stand in the way of evidence-based medicine

“*Unhealthy Politics* brings together numerous insights from political science along with new empirical evidence to shed light on one of the most important debates in health-care policy in the United States—the issue of how to produce better evidence to guide decisions about medical care. The book is timely, given rising health-care costs and increasing polarization about the role the state might play in addressing them. An informative and stimulating read.”

—Ann Campbell Keller, author of *Science in Environmental Policy*

Academic Trade 69



Keeping It Halal

The Everyday Lives of Muslim American Teenage Boys

JOHN O'BRIEN

A compelling portrait of a group of boys as they navigate the complexities of being both American teenagers and good Muslims

“Engaging and insightful. O’Brien provides rich descriptions of the cultural work these teenagers do in their efforts to be both good Muslims and fully American.”

—Mark Chaves, author of *American Religion*

This book provides a uniquely personal look at the social worlds of a group of young male friends as they navigate the complexities of growing up Muslim in America. Drawing on three and a half years of intensive fieldwork in and around a large urban mosque, John O’Brien offers a compelling portrait of typical Muslim American teenage boys concerned with typical teenage issues—girlfriends, school, parents, being cool—yet who are also expected to be good, practicing Muslims who don’t date before marriage, who avoid vulgar popular culture, and who never miss their prayers.

Many Americans unfamiliar with Islam or Muslims see young men like these as potential ISIS recruits. But neither militant Islamism nor Islamophobia is the main concern of these boys, who are focused instead on juggling the competing cultural demands that frame their everyday lives. O’Brien illuminates how they work together to manage their “culturally contested lives” through subtle and innovative strategies—such as listening to profane hip-hop music in acceptably “Islamic” ways, professing individualism to cast their participation in communal religious obligations as more acceptably American, dating young Muslim women in ambiguous ways that intentionally complicate adjudications of Islamic permissibility, and presenting a “low-key Islam” in public in order to project a Muslim identity without drawing unwanted attention.

Closely following these boys as they move through their teen years together, *Keeping It Halal* sheds light on their strategic efforts to manage their day-to-day cultural dilemmas as they devise novel and dynamic modes of Muslim American identity in a new and changing America.

John O’Brien is assistant professor of sociology at New York University Abu Dhabi.

SEPTEMBER

978-0-691-16882-1 **Cloth \$29.95S**

216 pages. 6 x 9.

RELIGION | SOCIOLOGY | CURRENT AFFAIRS

The Final Act

The Helsinki Accords and the Transformation of the Cold War

MICHAEL COTEY MORGAN

The Helsinki Final Act was a watershed of the Cold War. Signed by thirty-five European and North American leaders at a summit in Finland in the summer of 1975, the agreement presented a vision for peace based on common principles and cooperation across the Iron Curtain. *The Final Act* is the first in-depth account of the diplomatic saga that produced this historic agreement. Drawing on research in eight countries and multiple languages, this gripping book explains the Final Act's emergence from the parallel crises of the Soviet bloc and the West during the 1960s, the strategies of the major players, and the conflicting designs for international order that animated the negotiations.

Helsinki had originally been a Soviet idea. But after nearly three years of grinding negotiations, the Final Act reflected liberal democratic ideals more than communist ones. It rejected the Brezhnev Doctrine, provided for German reunification, endorsed human rights as a core principle of international security, committed countries to greater transparency in economic and military affairs, and promoted the freer movement of people and information across borders. Instead of restoring the legitimacy of the Soviet bloc, Helsinki established principles that undermined it.

The definitive history of the origins and legacy of this important agreement, *The Final Act* shows how it served as a blueprint for ending the Cold War, and how, when that conflict finally came to a close, the great powers established a new international order based on Helsinki's enduring principles.

Michael Cotey Morgan is assistant professor of history at the University of North Carolina, Chapel Hill.

FEBRUARY

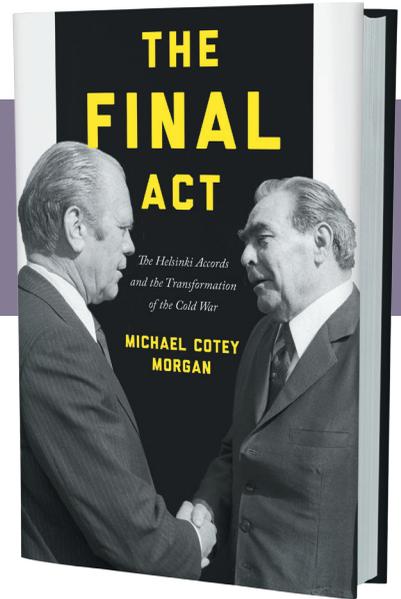
978-0-691-17606-2 Cloth \$35.00S

312 pages. 16 halftones. 6 x 9.

America in the World

Sven Beckert and Jeremi Suri, Series Editors

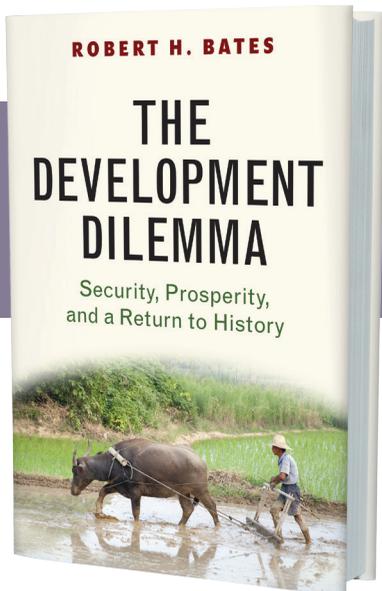
HISTORY | INTERNATIONAL RELATIONS



The first in-depth account of the historic diplomatic agreement that served as a blueprint for ending the Cold War

“The Final Act offers by far the most comprehensive history of a critical turning point in modern international diplomacy.”

—Thomas Borstelmann, author of *The 1970s: A New Global History from Civil Rights to Economic Inequality*



Reassessing the developing world through the lens of Europe's past

“Robert Bates’s singular achievement is knitting together his case studies into one grand analytical narrative. His work is the imaginative culmination of the most important research program in contemporary political science.”

—Mark Lichbach, University of Maryland

The Development Dilemma

Security, Prosperity, and a Return to History

ROBERT H. BATES

Today’s developing nations emerged from the rubble of the Second World War. Only a handful of these countries have subsequently attained a level of prosperity and security comparable to that of the advanced industrial world. The implication is clear: those who study the developing world in order to learn how development can be achieved lack the data to do so.

In *The Development Dilemma*, Robert Bates responds to this challenge by turning to history, focusing on England and France. By the end of the eighteenth century, England stood poised to enter “the great transformation.” France by contrast verged on state failure, and life and property were insecure. Probing the histories of these countries, Bates uncovers a powerful tension between prosperity and security: both may be necessary for development, he argues, but efforts to achieve the one threaten the achievement of the other. A fundamental tension pervades the political economy of development.

Bates also argues that while the creation of a central hierarchy—a state—may be necessary to the achievement of development, it is not sufficient. What matters is how the power of the state is used. France and England teach us that in some settings the seizure and redistribution of wealth—not its safeguarding and fostering—is a winning political strategy. These countries also suggest the features that mark those settings—features that appear in nations throughout the developing world.

Returning to the present, Bates applies these insights to the world today. Drawing on fieldwork in Zambia and Kenya, and data from around the globe, he demonstrates how the past can help us to understand the performance of nations in today’s developing world.

Robert H. Bates is the Eaton Professor of the Science of Government and professor of African and African American Studies at Harvard University. His books include *Open-Economy Politics* and *Analytic Narratives* (both Princeton).

OCTOBER

978-0-691-16735-0 **Cloth \$27.95S**

232 pages. 18 line illus. 5 tables. 5 ½ x 8 ½.

POLITICAL SCIENCE | ECONOMICS

The Extreme Gone Mainstream

Commercialization and Far Right Youth Culture in Germany

CYNTHIA MILLER-IDRISS

The past decade has witnessed a steady increase in far right politics, social movements, and extremist violence in Europe. Scholars and policymakers have struggled to understand the causes and dynamics that have made the far right so appealing to so many people—in other words, that have made the extreme more mainstream. In this book, Cynthia Miller-Idriss examines how extremist ideologies have entered mainstream German culture through commercialized products and clothing laced with extremist, anti-Semitic, racist, and nationalist coded symbols and references.

Drawing on a unique digital archive of thousands of historical and contemporary images, as well as scores of interviews with young people and their teachers in two German vocational schools with histories of extremist youth presence, Miller-Idriss shows how this commercialization is part of a radical transformation happening today in German far right youth subculture. She describes how these young people have gravitated away from the singular, hard-edged skinhead style in favor of sophisticated and fashionable commercial brands that deploy coded extremist symbols. Virtually indistinguishable in style from other popular clothing, the new brands desensitize far right consumers to extremist ideas and dehumanize victims.

Required reading for anyone concerned about the global resurgence of the far right, *The Extreme Gone Mainstream* reveals how style and aesthetic representation serve as one gateway into extremist scenes and subcultures by helping to strengthen racist and nationalist identification and by acting as conduits of resistance to mainstream society.

Cynthia Miller-Idriss is associate professor of education and sociology and director of the International Training and Education Program at American University. Her books include *Blood and Culture: Youth, Right-Wing Extremism, and National Belonging in Contemporary Germany*.

FEBRUARY

978-0-691-17020-6 Cloth \$29.95S

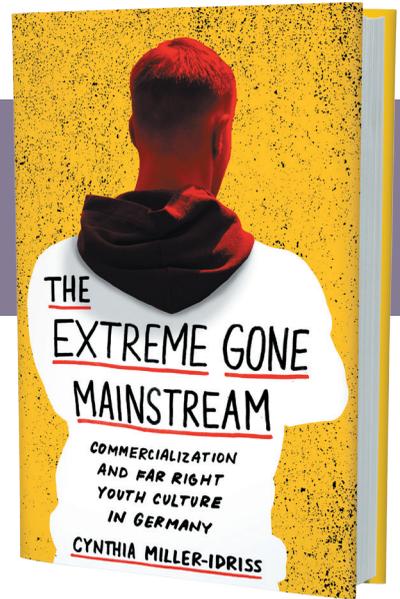
288 pages. 20 color illus. 6 halftones. 2 line illus. 6 x 9.

Princeton Studies in Cultural Sociology

Paul J. DiMaggio, Michèle Lamont, Robert J. Wuthnow, and Viviana A. Zelizer, Series Editors

SOCIOLOGY

PRESS.PRINCETON.EDU

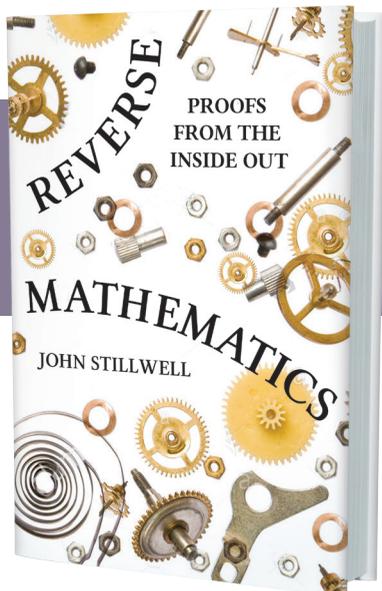


How extremism is going mainstream in Germany through clothing brands laced with racist and nationalist symbols

“A highly original and innovative work. Miller-Idriss has written an extraordinarily rich, well-argued, and compelling book that breaks new ground both in theories of culture and scholarship on the far right. *The Extreme Gone Mainstream* is a model for future research in the social scientific study of material culture.”

—Kathleen M. Blee, author of *Inside Organized Racism: Women in the Hate Movement*

Academic Trade 73



The first comprehensive overview of the history and ideas behind reverse mathematics

“Filling an important niche, this book gives readers a good picture of the basics of reverse mathematics while suggesting several directions for further reading and study. It provides a context for the questions investigated by reverse mathematics and makes an extended argument for their significance within contemporary mathematical practice.”

—Denis Hirschfeldt, University of Chicago

Reverse Mathematics

Proofs from the Inside Out

JOHN STILLWELL

This book presents reverse mathematics to a general mathematical audience for the first time. Reverse mathematics is a new field that answers some old questions. In the two thousand years that mathematicians have been deriving theorems from axioms, it has often been asked: which axioms are needed to prove a given theorem? Only in the last two hundred years have some of these questions been answered, and only in the last forty years has a systematic approach been developed. In *Reverse Mathematics*, John Stillwell gives a representative view of this field, emphasizing basic analysis—finding the “right axioms” to prove fundamental theorems—and giving a novel approach to logic.

Stillwell introduces reverse mathematics historically, describing the two developments that made reverse mathematics possible, both involving the idea of arithmetization. The first was the nineteenth-century project of arithmetizing analysis, which aimed to define all concepts of analysis in terms of natural numbers and sets of natural numbers. The second was the twentieth-century arithmetization of logic and computation. Thus arithmetic in some sense underlies analysis, logic, and computation. Reverse mathematics exploits this insight by viewing analysis as arithmetic extended by axioms about the existence of infinite sets. Remarkably, only a small number of axioms are needed for reverse mathematics, and, for each basic theorem of analysis, Stillwell finds the “right axiom” to prove it.

By using a minimum of mathematical logic in a well-motivated way, *Reverse Mathematics* will engage advanced undergraduates and all mathematicians interested in the foundations of mathematics.

John Stillwell is professor of mathematics at the University of San Francisco and an affiliate of the School of Mathematical Sciences at Monash University, Australia. His many books include *Mathematics and Its History* and *Elements of Mathematics: From Euclid to Gödel* (see page 93).

JANUARY

978-0-691-17717-5 **Cloth \$29.95S**

224 pages. 5 halftones. 30 line illus. 6 x 9.

MATHEMATICS