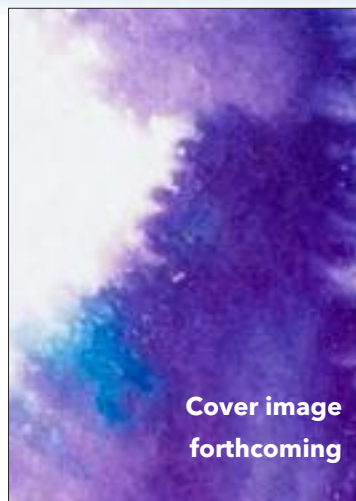
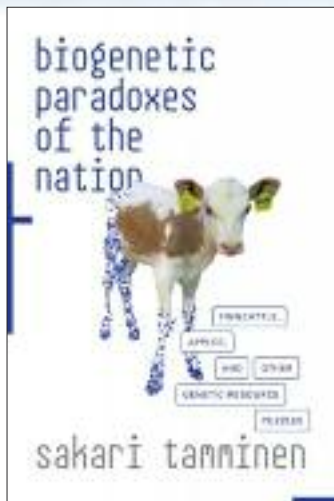
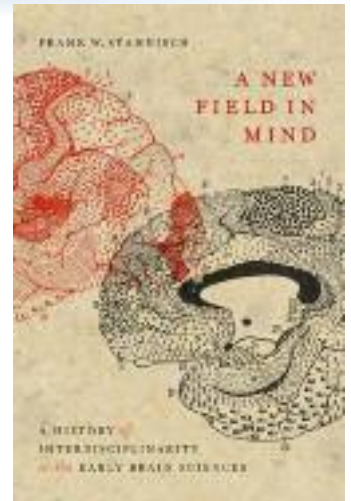
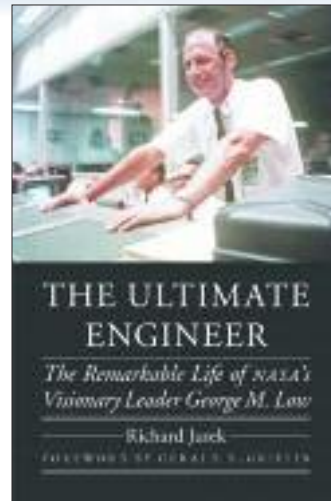


Medicine, Natural History & Technology



Cover image forthcoming



Biogenetic Paradoxes of the Nation

Finncattle, Apples, and Other Genetic-Resource Puzzles

SAKARI TAMMINEN

Experimental Futures

November 2019 280pp 21 illus.

9781478003069 £23.99 / \$26.95 PB

9781478001959 £88.00 / \$99.95 HB

DUKE UNIVERSITY PRESS

Sakari Tamminen traces the ways in which the CBD's seemingly compatible yet ultimately paradox-ridden aims became manifest in efforts to create, conserve, and capitalize on distinctly animal and plant species. In using Finland as a case study with which to understand the worldwide efforts to convert species into manifestations of national identity, Tamminen shows how the CBD's policies contribute less to biodiversity conservation than to smoothing the way for frictionless operation of biotechnologically assisted circuits of the global bioeconomy. Tamminen demonstrates how an intimate look at the high-level politics and technical processes of defining national genetic resources powerfully illuminates the limits of anthropocentric biopolitical theory.

Can Science and Technology Save China?

EDITED BY SUSAN GREENHALGH & LI ZHANG

February 2020 240pp 10 b&w halftones

9781501747038 £21.99 / \$26.95 PB

9781501747021 £82.00 / \$95.00 HB

CORNELL UNIVERSITY PRESS

This timely book offers readers a fresh and close look at the politics of science-making and how everyday practices and ethics of science, medicine, and technology are profoundly reshaping the regime of life, governing, and society in contemporary China. In contrast with the utopian dreams of national rejuvenation through modern science, the contributors unpack the on-the-ground reality of living increasingly threatened by numerous problems embedded in public health, mental well-being, and environmental challenges. They explore how scientists, doctors, technicians, therapists, and other experts grapple with these issues as well as how ordinary people respond to these challenges in their pursuit of the good life. By foregrounding the notion of "governing through science," and the contested role of science and technology as instrument of change, *Can Science and Technology Save China?* asks important questions regarding what science and technology can do to transform China, as well as their limits and unintended consequences.

Excludes ANZ

The Ultimate Engineer

The Remarkable Life of NASA's Visionary Leader George M. Low

RICHARD JUREK

FOREWORD BY GERALD D. GRIFFIN

Outward Odyssey: A People's History of Spaceflight

December 2019 344pp 38 photos

9780803299559 £26.99 / \$32.95 HB

UNIVERSITY OF NEBRASKA PRESS

From the late 1950s to 1976 the U.S. manned spaceflight program advanced as it did largely due to the extraordinary efforts of Austrian immigrant George M. Low. Described as the "ultimate engineer" during his career at NASA, Low was a visionary architect and leader from the agency's inception in 1958 to his retirement in 1976. As chief of manned spaceflight at NASA, Low was instrumental in the Mercury, Gemini, and Apollo programs. Low's pioneering work paved the way for President Kennedy's decision to make a lunar landing NASA's primary goal in the 1960s. Low's clandestine negotiations with the Soviet Union resulted in a historic joint mission in 1975 that was the precursor to the Shuttle-Mir and International Space Station programs. At the end of his NASA career, Low was one of the leading figures in the development of the space shuttle in the early 1970s, and he was instrumental in NASA's transition into a post-Apollo world. From chronicling Low's escape from Nazi-occupied Austria to helping land a man on the moon, the book sheds new light on one of the most fascinating and complex personalities of the golden age of U.S. manned space travel.

A New Field in Mind

A History of Interdisciplinarity in the Early Brain Sciences

FRANK W. STAHNISCH

McGill-Queen's/Associated Medical Services Studies in the History of Medicine, Health, and Society

December 2019 512pp 19 photos

9780773559325 £45.00 / \$55.00 HB

MCGILL-QUEEN'S UNIVERSITY PRESS

In recent decades, developments in research technologies and therapeutic advances have generated immense public recognition for neuroscience. However, its origins as a field, often linked to partnerships and projects at various brain-focused research centres in the United States during the 1960s, can be traced much further back in time. Stahnisch documents and analyzes the antecedents of the modern neurosciences as an interdisciplinary field. Although postwar American research centres, such as Francis O. Schmitt's Neuroscience Research Program at MIT, brought the modern field to prominence, Stahnisch reveals the pioneering collaborations in the early brain sciences at centres in Germany, Austria, and Switzerland in the first half of the twentieth century. An in-depth and innovative study, *A New Field in Mind* tracks the emergence and evolution of neuroscientific research from the late nineteenth century to the postwar period.

Excludes Asia Pacific

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Cognitive Code

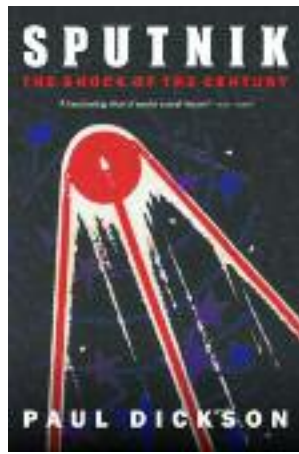
Post-Anthropocentric Intelligence and the Infrastructural Brain

JOHANNES BRUDER

December 2019 256pp 24 b&w photos
9780773559172 £27.99 / \$34.95 PB
9780773559165 £99.00 / \$120.00 HB
MCGILL-QUEEN'S UNIVERSITY PRESS

Argues that seemingly incompatible scales of intelligence – the brain and the planet – are now intimately linked through neuroscience-inspired AI and computational cognitive neuroscience. Investigating understandings of intelligence from the micro to the macro, *Cognitive Code* explains how the future of human psychology is increasingly determined by engineering and design.

Excludes Asia Pacific



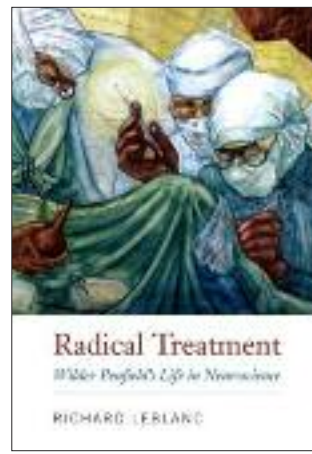
Sputnik

The Shock of the Century

PAUL DICKSON

October 2019 320pp 36 photos, 2 illus,
1 map
9781496215727 £20.99 / \$24.95 PB
UNIVERSITY OF NEBRASKA PRESS

This volume chronicles the dramatic events and developments leading up to and resulting from the launch of the first artificial satellite, Sputnik. Dickson reminds us that the story of Sputnik goes far beyond technology and the beginning of the space age, and that its implications are still being felt today.



Medicine

Radical Treatment

Wilder Penfield's Life in Neuroscience

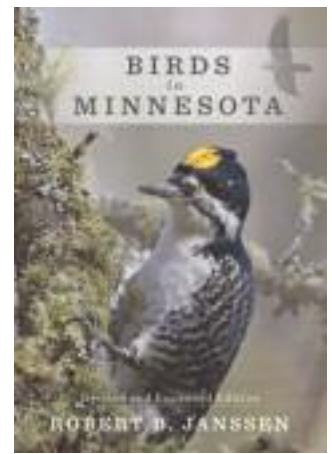
RICHARD LEBLANC

December 2019 288pp 117 colour
photos

9780773559288 £33.00 / \$39.95 HB
MCGILL-QUEEN'S UNIVERSITY PRESS

This book presents a fascinating narrative of the development of the development of Wilder Penfield's career and the processes that led to each of his great discoveries. *Radical Treatment* is an insightful account of the scientific accomplishments of one of the twentieth century's most influential neuroscientists.

Excludes Asia Pacific



Natural History

Birds of Minnesota

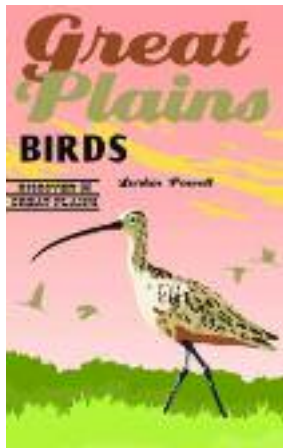
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ROBERT B. JANSSEN

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Great Plains Birds

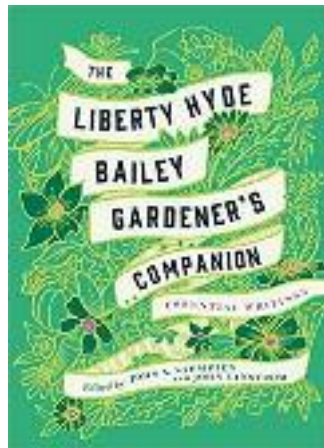
LARKIN POWELL

Discover the Great Plains

November 2019 224pp 65 color photos,
9 b&w photos, 12 illus, 11 maps, 4
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UNIVERSITY OF NEBRASKA PRESS

In *Great Plains Birds* Larkin Powell explores the history, geography, and geology of the plains and the birds that inhabit it. From the sandhill crane to ducks and small shorebirds, he explains migration patterns and shows how human settlements have affected the movements of birds.



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Essential Writings

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EDITED BY JOHN A. STEMPIEN & JOHN

LINSTROM

September 2019 320pp 21 b&w
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CATHERINE WALDBY

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