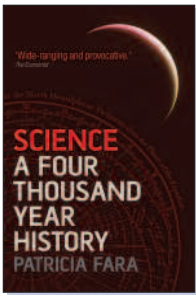


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Patricia Fara, University of Cambridge

'Wide-ranging and provocative... Romps through history at a terrific rate'

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Andrea Frova, Università di Roma "La Sapienza", and **Mariapiera Marenzana**, National Dance Academy

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Lauro Martines, Times Literary Supplement

Cultures of Plague highlights this most feared epidemic,

one that threatened Italy from 1575 to 1578 and unleashed an avalanche of plague writing. In the heartland of Counter-Reformation Italy, physicians, along with those outside the profession, questioned the foundations of Galenic and Renaissance medicine, even the role of God.

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1 map

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978-0-19-957402-5, HARDBACK

£68.00

BIOGRAPHY

Mark Harrison

Mark Harrison is Professor of the History of Medicine and Director of the Wellcome Unit for the History of Medicine at the University of Oxford. He has written widely on the history of medicine and disease and their relationship to war and imperialism. His publications include: *Climates and Constitutions* (1999), *Medicine and Victory* (2004), which won the Templer Medal Book Prize, *The Medical War* (2010) and *Medicine in an Age of Commerce and Empire* (2010).



Medicine in an age of Commerce and Empire

Britain and its Tropical Colonies 1660–1830

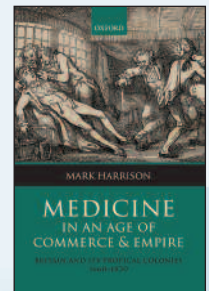
Mark Harrison, University of Oxford

Medicine in an age of Commerce and Empire explores the impact of commercial and imperial expansion on British medicine from the late seventeenth century to the early nineteenth century.

2010 | 368 pages | 7 illustrations

978-0-19-957773-6, HARDBACK

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The Medical War

British Military Medicine in the First World War

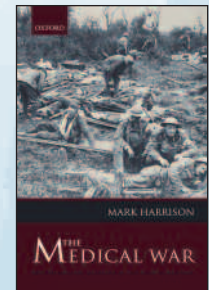
Mark Harrison, University of Oxford

The Medical War describes the role of medicine in the British Army during the First World War. It argues that medicine played a vital part in the war, helping to sustain the morale of troops and their families, and reducing the wastage of manpower.

2010 | 368 pages | 18 black and white halftones and 4 maps

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Grand Theories and Failed Revolutions in Physics and Cosmology

Helge Kragh, University of Aarhus

An historical account of highly ambitious attempts to understand all of nature in terms of fundamental physics. Presenting old and new 'theories of everything' in their historical contexts, the book discusses the nature and limits of scientific explanation in connection with concrete case studies.

January 2011 | 416 pages | 17 black and white line and halftone illustrations

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Isaac Newton's Scientific Method

Turning Data into Evidence about Gravity and Cosmology

William L. Harper, University of Western Ontario

William L. Harper presents a compelling new account of Isaac Newton's work on gravity and the cosmos. He argues that Newton's inferences from phenomena realize an ideal of empirical success that is richer than prediction, and explores the ways in which Newton's method aims to turn theoretical questions into ones which can be answered empirically.

August 2011 | 360 pages | 73 illustrations

978-0-19-957040-9, HARDBACK

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The Emperor's New Mathematics

Western Learning and Imperial Authority During the Kangxi Reign (1662–1722)

Catherine Jami, Centre national de la recherche scientifique (CNRS)

Jami explores how the emperor Kangxi solidified the Qing dynasty in seventeenth century China through the appropriation of the 'Western learning', and especially mathematics, of Jesuit missionaries. This book details not only the history of mathematical ideas, but also their political and cultural impact.

June 2011 | 496 pages | 26 black and white halftones
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Energy, the Subtle Concept

The discovery of Feynman's blocks from Leibniz to Einstein

Jennifer Coopersmith

Energy is at the heart of physics and yet no book exists specifically to explain it, and in simple terms. Tracking the history of energy has the thrill of the chase, the mystery of smoke and mirrors and presents a fascinating human-interest story. Moreover, following the history provides a crucial aid to understanding: this book explains the intellectual revolutions required to comprehend energy, revolutions as profound as those stemming from Relativity and Quantum Theory.

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NEW IN PAPERBACK

Alternative Medicine?

A History

Roberta Bivins, University of Warwick

'Scholarly yet readable history...Bivins places this fraught and polarised debate into a fascinating historical context.'

P.D. Smith, *The Guardian*

Comparing the medical systems of China, India, and the west (both mainstream and alternative), *Alternative Medicine?* maps the transmission of medical expertise from one culture to another and lays bare the roots of today's distinctions between alternative, complementary, and orthodox medicine.

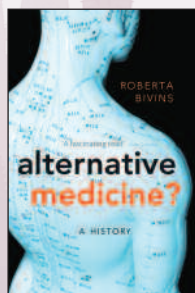
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The Quest for Reality: Bohr and Wittgenstein - two complementary views

Stig Stenholm, Royal Institute of Technology (KTH), Stockholm

In both science and philosophy, the twentieth century saw a radical breakdown of certainty in the human worldview. Quantum theorist Stig Stenholm presents Bohr and Wittgenstein as central figures undertaking the necessary replacement of apparent order and certainty with an understanding based on limited concepts in constant flux.

May 2011 | 304 pages

978-0-19-960358-9, HARDBACK

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Mathematics in Victorian Britain

Edited by Raymond Flood, University of Oxford, Adrian Rice, Randolph-Macon College, Virginia, and Robin Wilson, Emeritus, Open University and University of Oxford

This book constitutes perhaps the first general survey of the mathematics of the Victorian period. It assembles in a single source research on the history of mathematics in Victorian Britain that would otherwise be out of the reach of the general reader.

July 2011 | 496 pages | 252 illustrations

978-0-19-960139-4, HARDBACK

£29.99

Galileo

John Heilbron, University of California Berkeley

'An awesome command of the vast Galileo literature... [it] will no doubt become the standard, comprehensive biography.'

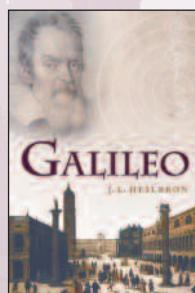
Owen Gingerich, *New York Times Book Review*

Galileo is aptly known as 'the father of modern science'. But there is much more to him than his well-known discoveries in physics and astronomy, and his infamous clash with the Catholic church. John Heilbron's wonderfully rounded new biography presents a multi-talented but difficult man—writer, philosopher, scientist, musician, and artist.

2010 | 528 pages | 30 black and white illustrations and a plate section

978-0-19-958352-2, HARDBACK

£20.00



NEW IN PAPERBACK

The Oxford Handbook of the History of Mathematics

Edited by Eleanor Robson, University of Cambridge and University of Oxford, and Jacqueline Stedall, University of Oxford

This *Handbook* explores the history of mathematics, addressing what mathematics has been and what it has meant to practise it. Thirty-six self-contained chapters, each written by a specialist, provide a fascinating overview of 5000 years of mathematics and its key cultures for academics in mathematics, historians of science, and general historians.

February 2011 | 928 pages | 90 line illustrations
57 halftones

978-0-19-960319-0, PAPERBACK

£32.50

978-0-19-921312-2, HARDBACK

£85.00

Scientific Methods and Cultural Heritage

An introduction to the application of materials science to archaeometry and conservation science

Gilberto Artioli, University of Padova

The book is intended as an entry-level introduction to the methods and rationales of scientific investigation of cultural heritage materials, with emphasis placed on the analytical strategies, modes of operation, and resulting information rather than on technicalities.

2010 | 552 pages | 200 black and white line and halftone figures | 8pp colour plates

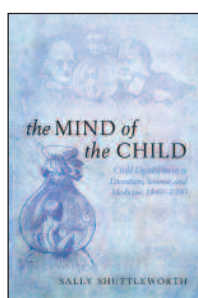
978-0-19-954286-2, HARDBACK

£65.00



The Mind of the Child

Child Development in Literature, Science, and Medicine, 1840-1900



Sally Shuttleworth, University of Oxford

The Mind of the Child charts the complex interplay between the literary and medical domains as nineteenth-century writers sought to explore the psychology of childhood. Focusing on questions of childhood mental development, it looks at changing representations

of imagination, violence, nervous disorders and sexuality, and the child's relations to primitive cultures and animal forms of life.

2010 | 512 pages | 17 black and white halftones

978-0-19-958256-3, HARDBACK

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Time Restored

The Harrison timekeepers and R.T. Gould, the man who knew (almost) everything

Jonathan Betts, National Maritime Museum, Greenwich

Biography of the polymath, Lt Cmdr Rupert T. Gould (1890-1948), the man who, in the 1920s, restored the great eighteenth century marine timekeepers by John Harrison to their former glory. With his encyclopaedic knowledge, he studied and wrote on subjects as varied as scientific mysteries (e.g. The Loch Ness Monster) and horology (timekeeping).

May 2011 | 480 pages | 54 black and white halftones
16pp colour plate section

978-0-19-960671-9, PAPERBACK

£25.00

978-0-19-856802-5, HARDBACK

£45.00



Science and the Social Good

Nature, Culture, and Community, 1865-1965

John P. Herron, University of Missouri-Kansas City

Using biographies of three natural scientists—geologist Clarence King, forester Robert Marshall, and biologist Rachel Carson—*Science and the Social Good* investigates the links between nature's scientific study and social improvement.

2010 | 288 pages | OUP USA

978-0-19-538354-6, HARDBACK

£32.50



NEW IN PAPERBACK

William and Lawrence Bragg, Father and Son

The Most Extraordinary Collaboration in Science

John Jenkin, La Trobe University

This book is a joint biography of William and Lawrence Bragg, who reshaped science in the twentieth century with the development of X-ray crystallography, and by mentoring the mid-century discovery of the structure of DNA. Their stories are vivid examples of science teaching and research in a colonial setting (Australia).

April 2011 | 480 pages | 57 black and white line drawings and halftones

978-0-19-960670-2, PAPERBACK

£25.00

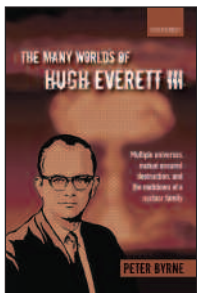
978-0-19-923520-9, HARDBACK

£42.50



The Many Worlds of Hugh Everett III

Multiple Universes, Mutual Assured Destruction, and the Meltdown of a Nuclear Family



Peter Byrne

'A strangely beautiful story, expertly told with the dignity, candour and attention to detail it deserves.'

New Scientist

Peter Byrne tells the story of Hugh Everett III (1930–1982) who invented a theory of multiple universes that has

had a profound impact on physics and philosophy. Everett strove to bring a 'rational' order to the interlacing worlds of nuclear war and physics, even as his personal world disintegrated because of his indulgent lifestyle.

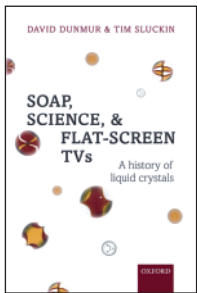
2010 | 456 pages | 50 black and white photographs

978-0-19-955227-6, HARDBACK

£25.00

Soap, Science, and Flat-Screen TVs

A History of Liquid Crystals



David Dunmur and Tim Sluckin, both at University of Southampton

Liquid crystals had a controversial discovery at the end of the nineteenth century but were later accepted as a 'fourth state' of matter, and finally used throughout the world in modern displays and new materials. This book explains

the fascinating science in accessible terms, and puts it into social, political, and historical perspectives.

2010 | 368 pages | 70 black and white line and halftone illustrations | 4pp colour plates section

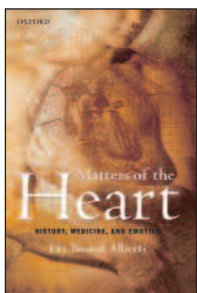
978-0-19-954940-5, HARDBACK

£29.95

Highly Commended, Longman–History Today Award

Matters of the Heart

History, Medicine, and Emotion



Fay Bound Alberti, Queen Mary University of London

'Refreshingly novel'

Bill Bynum, The Lancet

The heart is the most symbolic organ of the human body, but it is the brain that is now commonly associated with emotion. Why then do emotional meanings of the heart linger? *Matters of the Heart* traces how emotions

have been understood historically, addressing the shifting relationship from heart to brain as competing centres of emotion.

2010 | 240 pages | 10 black and white halftones

978-0-19-954097-6, HARDBACK

£26.00

Morbid Curiosities

Medical Museums in Nineteenth-Century Britain

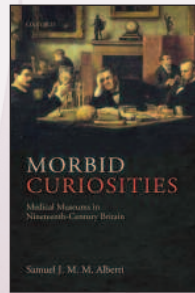
Samuel J. M. Alberti, Royal College of Surgeons of England

The first comprehensive study of nineteenth-century medical museums in Britain. It traces the afterlives of diseased body parts, asking how they came to be in these collections, what happened to them there, and who used them. *Morbid Curiosities* is a history of the material culture of medical knowledge, from prepared human remains to models, illustrations, and even architectural pillars and galleries.

April 2011 | 256 pages | 30 black and white illustrations

978-0-19-958458-1, HARDBACK

£55.00



How Cancer Crossed the Color Line

Keith Wailoo, Princeton University

Examining one hundred years in the public campaign against cancer, this path-breaking study of scientific, medical, and epidemiological writings and of cinematic and literary representations of disease, reveals how experts and the lay public saw cancer's demographic shifts—from a stereotypical white female disease to equal opportunity killer—as a message about women, men, race and the changing colour line.

March 2011 | 264 pages | 13 halftones | OUP USA

978-0-19-517017-7, HARDBACK

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NEW EDITION

The History of a Genetic Disease

Duchenne Muscular Dystrophy or Meryon's Disease

SECOND EDITION

Alan E. H. Emery, Emeritus, University of Edinburgh and University of Oxford, and **Marcia L. H. Emery**

This illustrated and comprehensive historical account deals successively with the early history of muscular dystrophy, refinements of its clinical picture, heterogeneity and the classification and description of the disease, the biochemistry, pathogenesis and the molecular genetics of the disorder and, finally, gene therapy.

Oxford Medical Histories

February 2011 | 256 pages | 72 black and white halftones
1 black and white line drawing

978-0-19-959147-3, HARDBACK

£80.00

The National Institutes of Health

1991–2008

John Kastor, University of Maryland Hospital

This book describes the premier organization for the performance and funding of biomedical research in the United States.

2010 | 296 pages | OUP USA

978-0-19-973799-4, HARDBACK

£35.00

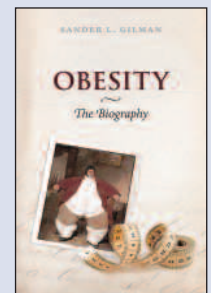
BIOGRAPHIES OF DISEASE

Obesity: The Biography

Sander L. Gilman, Emory University, Atlanta

'A thought-provoking perspective on one of our most urgent health problems.'

Jo Marchant, New Scientist



Obesity is an important medical concern in today's society. In this fascinating account, Sander L. Gilman examines the perceptions and attitudes to obesity from classical times to the present day. Considering changing attitudes to the body and debates about whether obesity is a physiological or psychological problem, he explores its rich history.

Biographies of Disease

2010 | 240 pages | 15 black and white illustrations and photos

978-0-19-955797-4, HARDBACK

£12.99

Thalassaemia: The Biography

David Weatherall, Institute of Molecular Medicine in Oxford

Thalassaemia is the most common type of genetic disorder and yet public awareness of it is very low.

Written by Sir David Weatherall, a leading

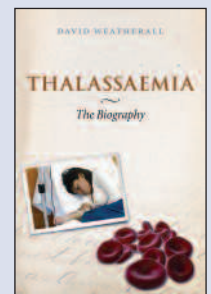
authority in the area, the book describes early reports of the disease, historical accounts of its identification as an inherited disease, and considers recent developments in its treatment.

Biographies of Disease

2010 | 272 pages | 15 black and white illustrations

978-0-19-956560-3, HARDBACK

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Playing with Fire

The controversial career of Hans J. Eysenck

Roderick D. Buchanan, University of Groningen and University of Melbourne

Probably no other psychologist has aroused such contrary reaction from the public and from the scientific community as Hans Eysenck. To the public, he was some kind of noble 'IQ warrior' or that disgraceful 'race and IQ guy'. *Playing with Fire* is the first full-length biography of Eysenck's career to be published since his death in 1997.

2010 | 488 pages

978-0-19-856688-5, HARDBACK

£34.95