

## CONTRIBUTORS

ANDREW ROBINSON is the author of some twenty-five books on science, the history of science and the arts, such as the award-winning *Earthshock: Hurricanes, Volcanoes, Earthquakes, Tornadoes and Other Forces of Nature*; *The Story of Measurement*; and *Sudden Genius? The Gradual Path to Creative Breakthroughs*. He has written biographies of Albert Einstein (*A Hundred Years of Relativity*), Thomas Young (*The Last Man Who Knew Everything*), Michael Ventris (*The Man Who Deciphered Linear B*) and Jean-François Champollion (*Cracking the Egyptian Code*). A King's Scholar of Eton College, he holds degrees from Oxford University (in chemistry) and the School of Oriental and African Studies, London, and was a visiting fellow of Wolfson College, Cambridge from 2006 to 2010. Having been literary editor of the *Times Higher Education Supplement* for twelve years, in 2007 he became a full-time writer and journalist. He reviews regularly for newspapers and magazines, including the science journals *Nature* and the *Lancet*.

JIM AL-KHALILI is professor of theoretical physics and chair in the public engagement in science at the University of Surrey. He has presented BBC productions about science and written several popular books, including *Quantum: A Guide for the Perplexed*; *Nucleus: A Trip into the Heart of Matter*; and *Pathfinders: The Golden Age of Arabic Science*.

JONATHAN BOWEN is emeritus professor of computing at London South Bank University. His research interests cover the history of computing, museum informatics and software engineering. As well as numerous technical papers, his publications include contributions to the *Encyclopedia of Computers and Computer History* and *The Oxford Companion to the History of Modern Science*.

NATHAN BROOKS is associate professor of history at New Mexico State University. A former Fulbright Scholar and fellow of the Chemical Heritage Foundation, he has researched and published on the Russian history of chemistry, focusing on the life and work of Dmitri Mendeleev.

HELEN BYNUM was formerly a lecturer in medical history at the University of Liverpool and is now an independent editor, writer and lecturer. She is the author of *Spitting Blood: A History of Tuberculosis* and the editor of the multi-volume *Dictionary of Medical Biography* and *Great Discoveries in Medicine* (both with William F. Bynum).

MARTIN CAMPBELL-KELLY is emeritus professor of computer science at the University of Warwick. He is on the editorial board of the *IEEE Annals of the History of Computing*. His books include *Computer: A History of the Information Machine* (with William Aspray) and *From Airline Reservations to Sonic the Hedgehog: A History of the Software Industry*.

JORDI CAT is professor of the history and philosophy of science at Indiana University, Bloomington. His books include the forthcoming *Master and Designer of Fields: James Clerk Maxwell and Constructive, Connective and Concrete Natural Philosophy*.

FRANK CLOSE is professor of theoretical physics at Oxford University, and a fellow of Exeter College, Oxford. His research focuses on the quark and gluon structure of strongly interacting particles. He is the author of several popular books, including *The Particle Odyssey* (with Michael Marten and Christine Sutton); *Antimatter, Neutrino*; and *The Infinity Puzzle*.

GEORGINA FERRY is a science writer, author and broadcaster based in Oxford. Her books include *Max Perutz and the Secret of Life* and *Dorothy Hodgkin: A Life*, which was shortlisted for the Duff Cooper Prize and the Marsh Biography Award.

LEON FINE is the vice-dean for research and chair of the department of biomedical sciences at the Cedars-Sinai Medical Center in Los Angeles. He has written and edited several publications on the history and practice of medicine, including *The Young Harvey* and *Harvey's Keepers: Harveian Librarians through the Ages*.

RONALD FISHMAN is a retired ophthalmologist and historian of ophthalmology, based in Washington, DC. As well as regularly lecturing and publishing papers on the subject, he has also written on the life and work of Santiago Ramón y Cajal and Camillo Golgi.

TÖRE FRÄNGSMYR is the Hans Rausing Professor Emeritus in the History of Science at Uppsala University. He has been director of the Centre for History of Science at the Royal Swedish Academy of Sciences, and was editor between 1988 and 2008 of *Les Prix Nobel*, the yearbook of the Nobel Foundation. He has published some twenty-five books, including *Linnaeus: The Man and His Work* and *Alfred Nobel*.

NICHOLAS GILLHAM is the James B. Duke Professor of Biology Emeritus at Duke University. An expert in the field of genetics and its history, he has written

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*Organelle Genes and Genomes; Genes, Chromosomes, and Disease; and A Life of Sir Francis Galton: From African Exploration to the Birth of Eugenics.*

MICHAEL HUNTER is emeritus professor of history at Birkbeck College, University of London. He is the editor of the collected works of Robert Boyle (with Edward B. Davis) and of Boyle's correspondence (with Antonio Clericuzio and Lawrence M. Principe). His other books include *Boyle: Between God and Science* and *The Boyle Papers: Understanding the Manuscripts of Robert Boyle*.

ROB ILIFFE is professor of intellectual history and the history of science at the University of Sussex. He is editorial director of the online Newton Project and director of the AHRC Newton Theological Papers Project, and the author of *Newton: A Very Short Introduction*. He is also editor of the journal *History of Science* and co-editor of *Annals of Science*.

FRANK A. J. L. JAMES is professor of the history of science and head of collections at the Royal Institution, London. He is the author of *Michael Faraday: A Very Short Introduction* and has recently published the sixth and final volume of Faraday's correspondence.

GEERDT MAGIELS is an independent biologist and philosopher of science. He has published on science, medicine, psychiatry and art, and is the author of *From Sunlight to Insight: Jan IngenHousz, the Discovery of Photosynthesis and Science in the Light of Ecology*.

ROGER MCCOY is emeritus professor of physical geography at the University of Utah and the author of *Ending in Ice: The Revolutionary Idea and Tragic Expedition of Alfred Wegener* and *On the Edge: Mapping North America's Coasts*.

PATRICK MOORE is an astronomer, and a writer, researcher, radio commentator and television presenter. A fellow of the Royal Society and a former president of the British Astronomical Association, he is the author of more than 100 books on astronomy. Since 1957, he has presented the world's longest-running television series with the same original presenter, *The Sky at Night*, on the BBC.

VIRGINIA MORELL is a science journalist, author and lecturer. A correspondent for *Science* and a regular contributor to *National Geographic*, she specializes in the fields of evolutionary and conservation biology.

Her biography of the Leakeys, *Ancestral Passions: The Leakey Family and the Quest for Humankind's Beginnings*, was a Notable Book of the Year in the *New York Times*.

ROBERT OLBY is research professor in the department of history and philosophy of science at the University of Pittsburgh. He has published and lectured widely on biology, genetics and molecular biology, and is the author of *Origins of Mendelism; Francis Crick: Hunter of Life's Secrets; and The Path to the Double Helix*.

ROBERT PARADOWSKI is a professor in the department of science, technology and society/public policy at the Rochester Institute of Technology. His research on the life and work of Linus Pauling began with his dissertation, *The Structural Chemistry of Linus Pauling*, in 1972, and has continued with many articles in journals, books and reference works.

JAY PASACHOFF is director of the Hopkins Observatory and Field Memorial Professor of Astronomy at Williams College in Williamstown, Massachusetts. He is the author of books on astronomy, physics, mathematics and other sciences, including *The Solar Corona* (with Leon Golub); *The Cosmos: Astronomy in the New Millennium* (with Alex Filippenko); and *Fire in the Sky: Comets and Meteors, the Decisive Centuries, in British Art and Science* (with Roberta J. M. Olson).

NAOMI PASACHOFF is a research associate at Williams College in Williamstown, Massachusetts. She has written more than twenty science textbooks and biographies of scientists, including *Marie Curie and the Science of Radioactivity; Niels Bohr: Physicist and Humanitarian; and Linus Pauling: Advancing Science, Advocating Peace*.

ALISON PEARN is the associate director of the Darwin Correspondence Project at the University of Cambridge. She regularly gives lectures about Charles Darwin, writes for the popular press on the subject, and takes part in broadcasts. She has jointly edited nine volumes of Darwin's letters and is the author of *A Voyage Round the World: Charles Darwin and the Beagle Collections of the University of Cambridge*.

JEAN-PIERRE POIRIER has both a medical degree and a doctorate in economics. Formerly director of research at a French pharmaceutical company, he is a member of the Comité Lavoisier at the French Academy of Sciences and author of *Lavoisier: Chemist, Biologist, Economist*.

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ALAN ROCKE is the Henry Eldridge Bourne Professor of History at Case Western Reserve University in Cleveland, Ohio. Specializing in the history of the physical sciences during the 19th and 20th centuries, he is the author of many publications on the history of science in Germany and France, including *Image and Reality: Kekulé, Kopp, and the Scientific Imagination*.

MARTIN RUDWICK is emeritus professor in history at the University of California, San Diego and a research scholar in the department of history and philosophy of science at the University of Cambridge. His main field of study is the history of the earth sciences, for which he has received the Sue Tyler Friedman Medal and the George Sarton Medal. His books include *The Meaning of Fossils; The Great Devonian Controversy; Scenes from Deep Time*; and most recently *Bursting the Limits of Time* and its sequel *Worlds Before Adam*.

GINO SEGRE is emeritus professor of physics and astronomy at the University of Pennsylvania. He is author of several academic and popular books about science, including *Faust in Copenhagen: A Struggle for the Soul of Physics and the Birth of the Nuclear Age; A Matter of Degrees* (published in the UK as *Einstein's Refrigerator*); and *Ordinary Geniuses*.

VIRENDRA SINGH was director of the Tata Institute for Fundamental Research in Mumbai, from 1987 to 1997. He was subsequently C. V. Raman Distinguished Professor of the Indian National Science Academy. He has published numerous technical papers on theoretical physics and quantum mechanics.

MARK SOLMS is a psychoanalyst and honorary lecturer in neurosurgery at the St Bartholomew's and Royal London School of Medicine, chair of neuropsychology at the University of Cape Town, South Africa, and director of the Arnold Pfeffer Center for Neuropsychanalysis at the New York Psychoanalytic Institute. He has won numerous awards for his work in neuropsychanalysis. His books include *The Brain and the Inner World*.

NICHOLAS WADE is emeritus professor in psychology at the University of Dundee. His writings on vision, perception and their relationship with fields such as art include *Purkinje's Vision: The Dawning of Neuroscience* (with Josef Brožek); *A Natural History of Vision; Visual Perception: An Introduction* (with Michael Swanston); *Perception and Illusion*; and *Circles: Science, Sense and Symbol*.

LAURA DASSOW WALLS is the William P. and Hazel B. White Professor of English at the University of Notre Dame, Indiana. Her books include the award-winning *The Passage to Cosmos: Alexander von Humboldt and the Shaping of America* and *Seeing New Worlds: Henry David Thoreau and Nineteenth-Century Natural Science*.

ANDREW WHITAKER is emeritus professor of physics at Queen's University, Belfast. He is the author of several books on the foundations of quantum theory, including *Einstein, Bohr and the Quantum Dilemma; The New Quantum Age: From Bell's Theorem to Quantum Computation and Teleportation*; and *Einstein's Struggles with Quantum Theory: A Reappraisal* (with Dipankar Home).

ROGER WOOD is honorary reader in genetics in the faculty of life sciences at the University of Manchester. He is the author of a number of publications on the life and work of Gregor Mendel, including *Genetic Prehistory in Selective Breeding: A Prelude to Mendel* (with Vítězslav Orel).

MICHAEL WORBOYS is director of the Centre for the History of Science, Technology and Medicine and the Wellcome Unit for the History of Medicine at the University of Manchester. His publications include *Mad Dogs and Englishmen: Rabies in Britain, 1830–2000* (with Neil Pemberton) and *Spreading Germs: Disease Theories and Medical Practice in Britain, 1865–1900*.