Volume 37, Part 2 (2007)

J.L. HEILBRON
_swansong_ 185

LEWIS PYENSON
_Foreword_ 189
Russel McCormmach

STEPHEN G. BRUSH
_How ideas became knowledge: The light-quantum hypothesis 1905–1935_ 205

DAVID C. CASSIDY
_Oppenheimer’s first paper: Molecular band spectra and a professional style_ 247

PAUL FORMAN
_How Lewis Mumford saw science, and art, and himself_ 271

KARL HUFBAUER
_Landau’s youthful sallies into stellar theory: Their origins, claims, and receptions_ 337

KENKICHIRO KOIZUMI
_Technology at a crossroads: The Fifth Generation Computer Project in Japan_ 355

HELGE S. KRAGH
_Cosmology and the entropic creation argument_ 369

JOHN G. MCEVOY
_Modernism, postmodernism, and the historiography of science_ 383
MARY JO NYE
Historical sources of science-as-social practice: Michael Polanyi’s Berlin 409

SPENCER R. WEART
Money for Keeling: Monitoring CO$_2$ levels 435

FINN AASERUD
Russell McCormmach as a teacher 453

ROBERT MARC FRIEDMAN
Tolerance and integrity at Johns Hopkins 463

JOHN HEDLEY BROOKE AND PETER HARMAN
Russell McCormmach as a colleague 475

STEPHANIE C. YOUNG
Selected bibliography 479
EDITOR J.L. HEILBRON

ASSOCIATE EDITORS

Physical sciences in the twentieth century
Paul Forman, Smithsonian Institution, NMHT, Room 5025, Washington, D.C. 20560

Enlightenment science, chemistry
Roger Hahn, Department of History, University of California, Berkeley, CA 94720-2550

Eighteenth- and nineteenth-century physics
Thomas L. Hankins, Department of History, University of Washington, Department of History D20, Box 353560, Seattle, WA 98195-3560

Twentieth-century science in its social and cultural setting
Daniel J. Kevles, Department of History, Yale University, P.O. Box 208324, New Haven, CT 06520-8324

Biological sciences
John E. Lesch, Department of History, University of California at Berkeley, Berkeley, CA 94720-2550

Genetics
William B. Provine, Ecology and Systematics, Cornell University, E139 Corson Hall, Ithaca, New York 14853-2701

Diffusion of modern science beyond Europe; exact sciences
Lewis Pyenson, Dean of the Graduate College and Professor of History, Western Michigan University, Kalamazoo, MI 49008-5242

Twentieth-century theoretical physics
Sylvan S. Schweber, Department of Physics, Brandeis University, Waltham, MA 02254-9110

Astronomy, astrophysics, French science
Spencer Weart, American Institute of Physics, Center for History of Physics, One Physics Ellipse, College Park, MD 20740-3843

Nineteenth-century physics and natural philosophy
M. Norton Wise, Department of History, University of California at Los Angeles, 6265 Bunche Hall, Box 951473, Los Angeles, CA 90095

MANAGING EDITOR Diana Wear

BOOK REVIEW EDITOR Stephanie C. Young
Contributors

One copy of a manuscript should be sent to the University of California, Office for History of Science and Technology, Editor, 543 Stephens Hall # 2350, Berkeley, CA 94720-2350, and a second copy to the appropriate Associate Editor. The identifications of Associate Editors refer to their particular competencies; they do not define the scope of the journal, which is open to studies in all aspects of the history of the physical sciences and experimental biology since the 17th century.

Typescripts should be double spaced on 8 1/2 × 11 paper, with ample margins. Footnotes, tables, captions and displayed equations should be double spaced on separate sheets. Prospective contributors should consult http://ohst.berkeley.edu/Publications/HSPS for a style sheet.

Subscription rates

In the U.S., $34.00 a year for individuals; $124.00 a year for institutions ($105.00 a year for institutions/electronic); $22.00 a year for students or retired persons; subscribers outside North America add $15.00 per year. Single issues: $18.00 for individuals, $65.00 for institutions. Please allow 4 months for receipt of first issue to be received. Address all correspondence for subscriptions, change of address, and claims to: HSPS, University of California Press Journals, 2000 Center St., Ste. 303, Berkeley CA 94704-1223. Telephone: (510) 643-7154, e-mail: journals@ucpress.edu. Website: www.ucpress.edu/journals.

Advertising

Requests for advertising rate cards should be sent to the address above. Historical studies in the physical and biological sciences (ISSN 0890-9997, online ISSN 1533 8355) is published twice a year by the University of California Press: Canadian GST 89626 2698 RT0001.

Copying and permissions notice: Authorization to copy article content beyond fair use (as specified in Sections 107 and 108 of the U.S. Copyright Law) for internal or personal use, or the internal or personal use of specific clients, is granted by the Regents of the University of California for libraries and other users, provided that they are registered with and pay the specified fee through the Copyright Clearance Center (CCC), www.copyight.com. To reach the CCC’s Customer Service Department, dial 978-750-4470 or write to 222 Rosewood Drive, Danvers, MA 01923. Permission to distribute electronically, republish, resell, or re-purpose material from 2001 forward, as well as requests for article reprints or offprints, can be fulfilled online through the CCC’s Rightslink service, available on Caliber at http://caliber.ucpress.net. All other permissions and licensing inquiries may be submitted through the University of California Press website at www.ucpressjournals.com/reprintinfo.asp.

This journal is printed at The Sheridan Press on totally chlorine-free (TCF) paper. This paper is bleached using hydrogen peroxide rather than chlorine compounds thus eliminating the introduction of dioxin into the environment. This paper is acid free.

© 2007 by The Regents of the University of California.