

---

*The British  
Journal  
for the  
History of  
Science*

---

# BJHS

*Volume 42  
Part 2 No. 153*

June 2009

*ISSN  
0007-0874*

Published for The British Society for the History of Science  
by Cambridge University Press

**CAMBRIDGE**  
UNIVERSITY PRESS

## EDITORIAL BOARD

**Simon Schaffer** (Editor)

Department of History  
and Philosophy of Science  
University of Cambridge  
Free School Lane  
Cambridge CB2 3RH

**John Brooke**

Harris Manchester College  
Oxford OX1 3TD

**Janet Browne**

Department of History of Science  
Harvard University  
Science Center 371,  
Cambridge MA 02138 USA

**Peter Dear**

435 McGraw Hall  
Cornell University  
Ithaca, NY 14853 USA

**Ludmilla Jordanova**

Department of History  
King's College London  
Strand, London WC2R 2LS

**David Philip Miller**

School of History and Philosophy  
of Science

The University of New South Wales  
Sydney, NSW 2052 Australia

**James Moore**

Department of History of Science,  
Technology and Medicine  
Faculty of Arts

Open University, Walton Hall  
Milton Keynes MK7 6AA

**Iwan Rhys Morus**

Department of History and Welsh  
History  
Hugh Owen Building, University of  
Wales  
Aberystwyth Ceredigion SY23 3DY

**Gregory Radick** (Reviews Editor)

Centre for History and Philosophy of  
Science, Department of Philosophy  
University of Leeds  
Woodhouse Lane  
Leeds LS2 9JT

**Kapil Raj**

Centre Alexandre Koyré  
Pavillon Chevreul  
57 rue Cuvier, 75231 Paris CEDEX 05  
France

**Lissa Roberts**

Centre for Study of Science,  
Technology and Society, PO Box 217  
Universiteit Twente  
7500 AE Enschede  
Netherlands

**Crosbie Smith**

Centre for History & Cultural Studies  
of Science  
Rutherford College, University of Kent  
Canterbury CT2 7NX

The *British Journal for the History of Science* (BJHS) is the journal of the British Society for the History of Science, the major national body for this subject in Britain. One of the premier journals in the field, it publishes high quality papers and review articles in all aspects of the history of science. There are four issues each year comprising an annual volume of around 500 pages. BJHS also includes an extensive book review section. Occasional thematic issues are published on important problems or topics.

Contributions are very welcome. They should be sent to the Editor, Simon Schaffer, Department of History and Philosophy of Science, University of Cambridge, Free School Lane, Cambridge CB2 3RH, email sjs16@cam.ac.uk. They are considered on the understanding that they are unpublished and are not on offer to another journal. Contributions should be submitted in electronic form as an attachment or on floppy disc, preferably in MS Word format. Hard copies on A4 or American quarto paper are, however, acceptable, in which case two copies of the text should be sent to the editor.

Texts should be double spaced with a margin. Always include an abstract of 150-200 words. Long quotations should be inset. Short quotations should be given single quotation marks. Spelling should follow the *Oxford English Dictionary*. All papers should be rigorously documented. References to primary and secondary sources must be set as endnotes, not as footnotes, and typed in double spacing and numbered consecutively. Cite as follows:

1 B. Smetov and D. Blogski, *Chemistry in the Eighteenth Century*, 2nd edn (tr. R. Roe), 5 vols., Edinburgh, 1886-1914, iii, 237-8. Do not include the publisher unless there is some important reason.

2 J. Doe, 'Searching for gravity waves', in *The History of Physics* (ed. A. Burn and Z. Trent), Oxford, 1982, 22-4.

3 Doe, op. cit. (2), 23-4.

4 N. Brown, 'Developments of the cathode ray', *Journal of Physics* (1972), 7, 31-5. Spell out journal titles. Give complete page run of articles cited and, where appropriate, the page number to which the citation refers.

5 John Herschel to George Peacock, 17 May 1836, Herschel Papers, Royal Astronomical Society, London (subsequently H P), Box 1234, 56. For manuscript sources please supply whatever information is necessary for the reference to be found. Subsequent references can be cited as name, date, abbreviated source, box, page or folio number.

Standard works such as *DNB*, *DSB*, may be cited thus. For theses, give University Microfilm order number or at least Dissertations Abstract number. Line drawings should be submitted electronically where possible, as jpg, tif or eps files, scanned at 300dpi or as Excel documents. (If drawn they should be bold in black ink on white paper, faint-ruled graph paper or tracing paper.) Photographs should be sent as tif or jpg files on CD or on email if the files are small, photographs can also be submitted as high resolution black and white glossy prints of good contrast. The place of the illustration should be indicated in the margin of the text. Mark each illustration with the author's name and its number lightly in pencil on the reverse. Type captions on a separate sheet and include full details of the sources. Permission to reproduce material is entirely the author's responsibility and this should be cited where given. Xerox copies may be sent with the article on first submission. The editor requires the final agreed version of the manuscript to be supplied double spaced and always in electronic form as a Word document with appropriate electronic artwork files. Place your institutional address and acknowledgements at the end of the paper before the notes. Do not include acknowledgements or your own address as part of the first note. Joint contributors should note that proofs and order forms for offprints will be sent to the first named author unless the Editor is otherwise informed.

© British Society for the History of Science. The British Society for the History of Science retains copyright for all articles published. It is the author's responsibility to secure any necessary permission for publication. Single copies of articles may be made for research or private study. Permission to make multiple copies must be obtained from the Society. Authors receive twenty-five offprints of articles free. Typescripts are not normally returned to authors. In all matters concerning the publication of the article, the Editor's decision is final. The Editor, Editorial Board, Officers and Council of the Society cannot accept responsibility for any views expressed by contributors in articles published in the Journal.

**Subscriptions:** BJHS *The British Journal for the History of Science* (ISSN: 0007-0874) is published quarterly in March, June, September and December by Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK/Cambridge University Press, 40 West 20th Street, New York, N.Y. 1001-4211. The subscription price (excluding VAT) of Volume 42, 2009, is £143 net (USA, Canada and Mexico US \$278) post free institutions print and electronic, institutions electronic only £135/\$259; single parts cost £39 net (USA, Canada and Mexico US \$76) plus postage. Four parts form a volume. Orders, which must be accompanied by payment, may be sent to any bookseller, subscription agent or to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU or in the USA, Canada and Mexico to Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Copies of the journal for subscribers in the USA, Canada and Mexico are sent by air to New York to arrive with minimum delay. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd, PO Box 55, Chitose, Tokyo 156, Japan. Prices include delivery by air. Periodicals postage paid at New York, NY and at additional mailing offices. POSTMASTER: send address changes in USA, Canada and Mexico to BJHS, *The British Journal for the History of Science*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Published online by Cambridge University Press