

*The British
Journal
for the
History of
Science*

BJHS

*Volume 22
Part I No. 72*

March 1989

*ISSN
0007-0874*

Published for The British Society for the History of Science
by Blackwell Scientific Publications

EDITORIAL BOARD

John Brooke *Editor*

Department of History
Furness College
University of Lancaster
Lancaster LA1 4YG

Robert Bud

Science Museum
South Kensington
London SW7 2DD

Tore Frangsmyr

Office for History of Science
Uppsala University
Box 256, S-751 05 Uppsala
Sweden

Owen Hannaway

Department of History of
Science
The Johns Hopkins
University
Gilman Hall
Baltimore, Maryland 21218
USA

John Hendry

(Book Review Editor)
58 Canfield Gardens
London NW6 3EB

Michael Hunter

Department of History
Birkbeck College
University of London
London WC1E 7HX

Ludmilla Jordanova

Department of History
University of Essex
Wivenhoe Park
Colchester CO4 3SQ

David Lindberg

Department of History of
Science
Helen C. White Hall 4143
Madison, Wisconsin 53706
USA

Giuliano Pancaldi

Department of Philosophy
University of Bologna
Via Zamboni 38
40126 Bologna
Italy

Michael Shortland

Department for External
Studies
Rewley House
Wellington Square
Oxford OX1 2JA

Charles Webster

All Souls College
Oxford OX1 4AL

Richard Yeo

Division of Humanities
Griffith University
Nathan
Brisbane
Queensland
Australia 4111

The *Journal* is the official publication of the British Society for the History of Science. It appears in March, June, September and December, the four issues making a volume. The 1989 subscription rate is £48 (UK), £57.50 (overseas) and \$99.50 (USA, Canada and Japan), post free: orders and subscriptions should be sent to Blackwell Scientific Publications Ltd, PO Box 88, Oxford, England.

Contributions are welcome and should be sent to the Editor. They are considered on the understanding that they are unpublished and are not on offer to another journal. Two copies should be submitted, typed in double-spacing with a margin on A4 or American Quarto paper. Include an abstract of 150–200 words. Quotations when long should be inset; when short, in single quotation marks. Spelling should follow the *Oxford English Dictionary*, and arrangement H. Hart, *Rules for Compositors*, Oxford, many edns. Be clear and consistent.

All papers should be rigorously documented, with references to primary and secondary sources typed separately from the text in double spacing, and numbered consecutively. Cite as follows:

14 J. Smith and J. Bloggs, *Early Chemistry and the Royal Society*, 2nd edn. (ed. H. Jones, tr. R. Roe), 5 vols. in 6, Edinburgh & London, [1896]–1914; reprinted, New York, 1965, i(ii), chapter VI, especially pp. 123–31. Only name the publisher for good reason. For a symposium: 15 J. Doe (ed.) *Science Yesterday*, 2 vols., Oxford 1977, i. 16. Subsequent references may be written: 17 Doe, op. cit. (15), ii, 34. Standard works like *D.N.B.*, *D.S.B.*, may be cited thus; also Plato, *Timaeus*, 27C–32C, *Genesis*, 1, 6, identifying translation or edition if necessary. Articles—use bold for volume numbers, Roman numbers for series: e.g. 7 J.J. Thomson, 'Cathode-rays', *Phil. Mag.* (1978) V, 44, pp. 293–316; a comma after unabbreviated titles, e.g. [*Liebig's Annalen*, (1843)]. For theses, cite University Microfilm order number, or at least Dissertations Abstract number. Line drawings should be drawn boldly in black ink on stout white paper, faint-ruled graph paper or tracing paper. Photographs should be glossy prints of good contrast and well matched for tonal range. The place of an illustration should be indicated in the margin of the text. Each illustration must carry the name of the author and article, its number, and a caption. Xerox copies may be sent when the article is first submitted for consideration.

© 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 without further ado. Permission to make multiple copies should be obtained from the Society. Authors will receive twenty-five offprints of articles free. The editor cannot accept responsibility for loss of a typescript, but will take every care of it; typescripts are not normally returned to authors. In all matters concerning the publication of the article, the Editor's decision is final.

The journal is delivered to North America by accelerated surface post (a.s.p.) and subscribers there can expect to receive their copies within two weeks of British publication. Second class postage paid at New York, NY. Postmaster, send address corrections to *British Journal for the History of Science*, c/o Expeditors of the Printed Word Ltd, 515 Madison Avenue, New York, NY 10022. Current issues for the Indian Sub-Continent, Australasia and the Far East are sent by air to regional distribution points from where they are forwarded to subscribers by surface mail. Any back numbers are normally despatched by surface to all regions, except North America, where they are sent by a.s.p., and India, where they are sent by air freight.