NOTICES OF BOOKS

This list includes books to be reviewed in later numbers.

The life and travels of John Bartram: From Lake Ontario to the River St John. EDMUND BERKELEY and DOROTHY SMITH BERKELEY (University Presses of Florida, Tallahassee, 1981). Pp. xv + 376. $25.00.

A major biography of the pioneering Quaker Colonial botanist, paying special attention to his interests in ecology and improved farming methods.

A concordance to Darwin's Origin of species: First edition. PAUL H. BARRETT, DONALD J. WEINSHANK and TIMOTHY T. GOTTLEBER (Cornell University Press, Ithaca and London, 1981). Pp. xv + 834. $38.50.

A complete, alphabetically-arranged concordance to the first edition of the Origin of species.

Studies in the history of biology, vol. v (Johns Hopkins University Press, Baltimore, 1981). Pp. 206. £12.50.

Comprises two articles: S. Cross, "John Hunter, the animal economy, and late eighteenth century physiological discourse", and T. Lenoir, "The Göttingen School and the development of transcendental Naturphilosophie in the Romantic era".

Blake and Freud. DIANA HUME GEORGE (Cornell University Press, Ithaca, 1981). Pp. 288. £15.75.

Highlights similarities in thought between the poet-prophet and the analyst on issues such as culture and repression and the interpretation of dreams.

Realism, rationalism and scientific method: Philosophical papers, vol. i. PAUL FEYERABEND (Cambridge University Press, Cambridge, 1981). Pp. xiv + 313. £22.50.

The volume reprints papers on the interpretation of scientific theories, together with papers applying the views developed to particular problems in philosophy and physics.

Jacob Berzelius. The emergence of his chemical system. EVAN M. MELHADO (Almqvist and Wiksell Press, Stockholm and University of Wisconsin Press, Madison, Wisconsin, 1981). Pp. 357. Sw. Kr. 225.
An extensive section on the background to Berzelius's achievements is followed by discussion of his theory of salts and assessment of the full articulation of his system in respect to mineralogy and organic chemistry.

The crisis in naval ordnance. H. A. Baker (Maritime Monographs and Reports, National Maritime Museum, London, 1983). Pp. iv + 45. £3.

This short book examines the work of Thomas Blomefield (1744-1822) in resolving the shortcomings of supplies to the British navy in the latter part of the eighteenth century.

Glimpsing an invisible universe: The emergence of X-ray astronomy. Richard F. Hirsch (Cambridge University Press, Cambridge, 1983). Pp. viii + 186. £20.00.

The story of X-ray astronomy in theory and practice from the late 1950s through to the present.

Between science and values. Loren R. Graham (Columbia University Press, New York, 1981). Pp. x + 449. $14.50 (paperback).

Graham focuses upon the interrelations between politics and science in the present century, looking in particular at the life and work of Eddington, Fock, Bergson and Monod, and the question of eugenics in Weimar Germany and Soviet Russia.

Plants and man in Australia. Ed. by D. J. Carr and S. G. M. Carr (Academic Press, London, 1981). Pp. xiv + 313. £19.50 (hardcover), £12.60 (paperback).

A social history of Australian botany, including sections on native plants, the introduction of European species, poisons, and the question of the origin of Australian coalfields.

Evolutionary economics. Kenneth E. Boulding (Sage, Beverly Hills, Calif., and London, 1981). Pp. 200. £14.00 (hardcover), £6.50 (paperback).

An attempt to apply to economics categories such as energy, entropy, system and dynamics.

The teaching of the history of technology in USA. Svante Lindqvist (Stockholm Papers in History and Philosophy of Technology, Stockholm, 1981). Pp. 139.

An illustrated survey of trends and personalities in the teaching of the history of technology in America.
Ferdinand Braun: A life of the Nobel prizewinner and inventor of the cathode-ray oscilloscope. Friedrich Kurylo and Charles Dibner (The MIT Press, Cambridge, Mass., and London, 1981). Pp. xvi + 288. £21.00.

Braun, a contemporary of Hertz and Röntgen, discovered the rectifier effect, the basis of modern solid-state electronics, and invented the cathode-ray oscilloscope.

William Harvey: Disputationes touching the generation of animals. Translated with introduction and notes by Gweneth Whitteridge (Blackwell, Oxford, 1981). Pp. lxvi + 502. £25.00.

The first complete English translation since 1847, with extensive commentary and annotations.

Gentlemen of science. Jack Morrell and Arnold Thackray (Oxford University Press, Oxford, 1981). Pp. xxiv + 591. £30.00.

A definitive and magisterial history of the early years of the British Association, based on thorough archival research, and constituting a deep analysis of the structure of the early Victorian scientific community.

Newton on the Continent. Henry Guerlac (Cornell University Press, Ithaca and London, 1982). Pp. 169. $15.60/£8.75.

Five essays examining Newton’s fortuna on the Continent, particularly in France, and tracing the impact of continental thought upon Newton himself.

Scientific inquiry and the social sciences. Ed. by Marilynn B. Brewer and Barry E. Collins (Jossey-Bass Publishers, San Francisco, 1981). Pp. xvii + 523. £15.55.

A volume of essays in honour of D. T. Campbell, grouped into three sections, “Models of knowing”, “Methodological applications”, and “Substantive applications”.

Making sense of self: Medical advice literature in late nineteenth century America. Anita Clair Fellman and Michael Fellman (University of Pennsylvania Press, Philadelphia, 1981). Pp. vii + 197. £12.50.

A useful survey of self-doctoring literature, paying particular attention to the cult of self-development through the pursuit of moderation.

The natural philosophy of time. G. J. Whitrow (Clarendon Press, Oxford, 1982). Pp. ix + 399. £7.95 (paperback).
A completely revised edition of the work first published in 1961.

*Essays in the sociology of perception.* MARY DOUGLAS (Routledge & Kegan Paul, London, 1982). Pp. viii + 340. £7.95 (paperback).

A collection of thirteen essays exploring the application of Douglas's grid-group analysis. A number, including those by David Bloor, Martin Rudwick and Celia Bloor, deal directly with issues in the history of science.

*Probleme des Empirismus.* PAUL K. FEYERABEND (Friedr. Vieweg & Sohn, Braunschweig, 1981). Pp. xiv + 472.

A volume of collected essays.

*Marcos: Wild child of the Sierra Morena.* GABRIEL JANER MANICA (Souvenir Press, London, 1982). Pp. 176. £8.95.

A popular biography of the best known twentieth century 'wild boy', seen in historical and anthropological perspective.

*The mismeasure of man.* STEPHEN JAY GOULD (W. W. Norton & Co., London, 1982). Pp. 352. £9.95/$18.50.

A powerfully written account of the ideological functions of the nineteenth century science of craniometry, paying special attention to the misrepresentations of Alfred Binet's work.

*The Cambridge history of later medieval philosophy.* Ed. by NORMAN KRETZMANN, ANTHONY KENNY and JAN PINBORG (Cambridge University Press, Cambridge, 1982). Pp. xi + 1035. £40.00.

A history of the great age of scholasticism, from Abelard to the rejection of Aristotelianism in the Renaissance.

*I materiali dell'Istituto delle Scienze.* UNIVERSITA DEGLI STUDI DI BOLOGNA (Accademia delle Scienze, Bologna, 1979). Pp. 265.

A well illustrated survey of scientific objects and instruments housed in Bologna.

*Carteggio con Leopoldo Marc'Antonio Caldani 1758-1794.* Ed. by RENATO G. MAZZOLINI and GIUSEPPE ONGARO (Trento, Epistolario di Felice Fontana 1, 1980). Pp. 396.

An edition of the letters of the eighteenth century anatomist and microscopist.