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BACKGROUND

This is my first on-line catalogue of books for sale, after 15 years of selling second-hand and antiquarian books to local customers. Recently, I opened a bookshop in the small Nottinghamshire town of Southwell, which annually welcomes tens of thousands to the cathedral, Southwell Minster (notably for its many major musical events), and other attractions such as the National Trust's Victorian Workhouse. *I welcome visitors, but if you are interested in books in this catalogue please notify me well in advance of visiting, as most books listed here are not currently located in the shop.*

My own lifetime literary interests have included collecting books on the history and philosophy of science, and many of the books now offered for sale are drawn from my personal collection, started over 60 years ago. This first catalogue concentrates on the PHYSICAL SCIENCES, but later issues will feature books on the biological sciences, medicine, agriculture, philosophy in a wider context, and the wide range of fields mentioned on the [Gladstone Books website](http://www.gladstonebooks.co.uk).

Ben Mepham

TERMS and CONDITIONS

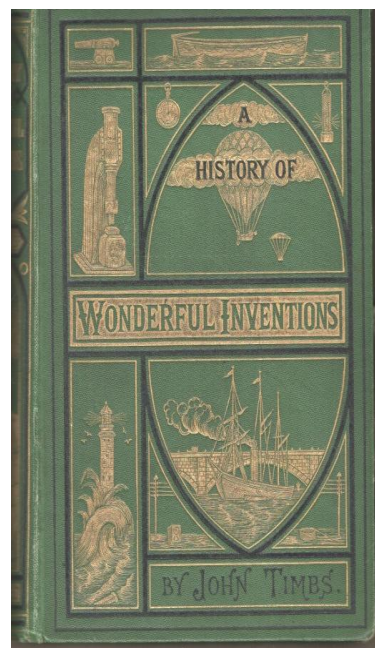
- Prices quoted are net. Postage & packing and insurance are extra.
- Preferably, orders should be made by email, stating your full name, exact postal address and the precise catalogue code number/s of the item/s requested *plus* the (first) author's name. Or, exceptionally, you may contact me by telephone or surface mail.
- On receipt of an order, I will send an invoice for the full amount required (dependent on postal charge etc). In some cases an item may have already been sold.
- Preferably, payment should be made by *PayPal*; and you are asked to email me at the same time, confirming that this has been done. Alternatively, you may pay by cheque, sent to an address specified in my email (NOT to the above address), but this method might unavoidably entail a significant time-delay.
- When notice of payment is received I shall send a confirmatory email and dispatch the items to you at the earliest opportunity.
- I aim to give accurate descriptions of all items, but should you not be satisfied with an item, please send me an email explaining the circumstances. You are free to return any such item, but it is requested that this be done at the earliest opportunity. On receiving it, the original fee invoiced will be repaid promptly.

THE HISTORY AND PHILOSOPHY OF SCIENCE

A. PHYSICAL SCIENCES & TECHNOLOGIES

NB. To the best of my knowledge, all books are 1st editions, octavo, and without dust wrapper (dw) unless stated otherwise. This selection of 101 volumes is listed in a quite random manner.

1. John Timbs: *A History of Wonderful Inventions: from the mariner's compass to the electric telegraph cable*. London, George Routledge and Sons (1868) Green boards, with gilt titling and detailed images on front cover and spine, 400 pp, with 70 attractive engravings. Chapter headings: *The mariner's compass; Lighthouses and lifeboats; The barometer; The thermometer; Printing; The Telescope; The Microscope; Clocks and watches; Gunpowder and gun-cotton; Gas lighting; Artesian wells; The steam engine; Cotton manufacture; Steam navigation; The railway and the locomotive steam-engine; Iron ships of war, guns and armour; The electric telegraph; and Ocean electro-telegraphy - the electric cables*. A sound, clean copy, free of any marks or library stamps. Tight binding, slight bumping of head and tail edges of spine. Code: AH101 £55.00

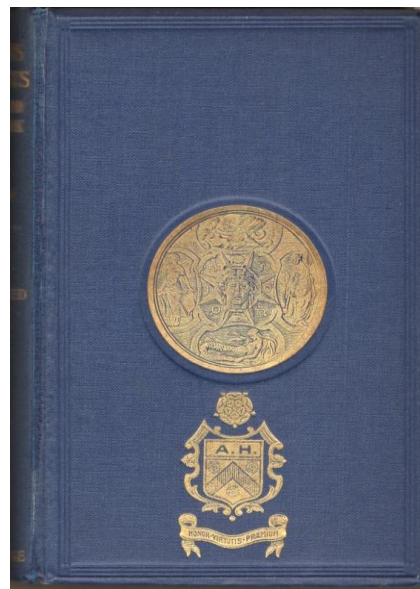


2. Arabella B Buckley: *A Short History of Natural Science: and of the progress of discovery from the time of the Greeks to the present day*. New York, D Appleton and Company (1882) Green boards, with gilt titling on spine, 467 pp, comprising 3 parts (*Science of the Greeks, Science of the Middle Ages*, and, the major part, consisting of 32 chapters *Rise and Progress of Modern Science*) containing a total of 40 chapters, a coloured plate illustrating various spectra, 62 bw figures, and 12 full pages of *Chronological Tables of the Rise and Progress of the Various Branches of Science*. The book was designed for the use of 'schools and young persons.' A very sound, clean copy, with tight binding, and free of any marks except a faint pencilled signature on a ffep. Code: AH102 £40.00

3. John Read: *Humour and Humanism in Chemistry*. London, G Bell and Sons Ltd (1947) Dark blue boards with dull gilt titling on spine, comprising 12 chapters (*The Lighter Side of Alchemy; A Flying Alchemist; The Tragedy of the Cosmopolite; The Mantle of the Cosmopolite; Elia comes to the Goldmakers; A Century of Chymical Artists; Chemistry comes to the Textbooks; Chemistry grows Brighter; Chemistry becomes exhilarating; Humour and Humanism in Modern Laboratories; Chemistry reaches the Australian Bush; and Chemistry sublimates in Drama*), 388 pp, with 90 bw illustrations, including 44 pp of plates, and one in colour. A most attractive book, that lives up to its title! Ex library copy, with fairly unobtrusive *Tamworth College of Further Education* stamps on fpdp, rpdp and page edges, white '540' at top corner of front cover and Sellotaped class mark at the bottom of the spine). A sound copy, with tight binding, and free of foxing or discolouration. Code: AH103. £ 20.00

4. (Sir) James Jeans: *The Stars in their Courses*. Cambridge, Cambridge University Press (1931). Blue boards, with gilt titling on spine, comprising 8 chapters and 4 appendices, 190 pp, with 2 pull-out star maps (of N and S hemispheres) and 56 bw plates and several illustrations and charts in the text. As an astronomer, Jeans is best remembered for his account of the origin of the solar system. A sound, clean unmarked copy, with tight binding. Code: AS104. £20.00

5. (Sir) William A Tilden FRS: *Famous Chemists: the men and their work*. London, George Routledge (1921) Dark blue boards, with attractive gilt stamped ornament on front cover (see right) and gilt titling on spine. Comprises 21 chapters, 296 pp, with 38 plates (e.g. portraits of Black, Priestley, Cavendish, Scheele, Lavoisier, Davy, Dalton, Gay-Lussac, Proust, Berzelius, Faraday, Avogadro, Cannizzaro, Liebig, Dumas, Williamson, Frankland, Medeleeff, Crookes and Ramsay and others of laboratories and equipment). A book plate attached to the fpep records the presentation to H K Kenyon at the Arnold House School, Blackpool in 1928, and his inked signature is on fpep. The school's coat of arms is also embossed in gilt on the front cover. A very sound, clean copy, with tight binding. Code: AH105. £30.00



6. John Read FRS: *Through Alchemy to Chemistry: a procession of ideas and personalities*. London, G Bell and Sons Ltd (1961). Red boards, with black titling on spine. 12mo, comprising 10 chapters, 206 pp, with 50 illustrations, including many plates. A very sound, clean, unmarked copy, with tight binding. Code: AH106. £ 15.00

7. F P Armitage: *A History of Chemistry*. London, Longmans, Green and Co Ltd (1928); 4th impression. Dark green boards with gilt titling on spine, comprising 13 chapters (*From earliest times to the downfall of iatrochemistry; From Boyle to Lavoisier and the establishment of the quantitative method; From Lavoisier to the enunciation of the Atomic theory by Dalton; Dalton's Atomic Theory and the work of Davy; Berzelius and the development of the Atomic system; The fortunes of the Atomic Theory between the years 1819 and 1844; Development of Organic Chemistry; The Radical Theory and the discovery of Substitution; The constitution of acids and the differentiation of the terms Atom, Molecule and Equivalent; Gerhardt's Unitary system; Valency, the chemical nature of Carbon and the constitution of Organic compounds; The development of Stereo-chemistry; and Interrelationship of Atomic Weights, Cannizzaro's reform and the Periodic Law*), 266 pp. The author was Director of Education for Leicester. A sound, clean copy, with tight binding, and free of any foxing, discolouration; but with neat inked signature on fpep. Code: AH107. £15.00

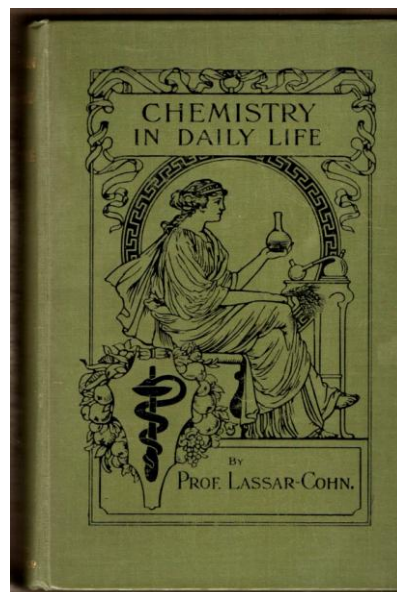
8. W H Brock (editor): *The Atomic Debates: Brodie and the Rejection of the Atomic Theory* Leicester, Leicester University Press (1967). Black boards with gilt titling on spine, red dw (vg), comprising 3 chapters: *The Atomic Debate* (Brock and D M Knight); *The Chemical Calculus of Sir Benjamin Brodie* (D M Dallas); and *Some Correspondence Connected with Sir Benjamin Brodie's*

Calculus of Chemical Operation (Brock); with an appendix on *Comte, Williamson and Brodie*;. 186 pp. With plate portrait of Brodie and fold-out 'Map of the system of hydrocarbons.' A very sound, unmarked, clean copy, with tight binding, and free of any discolouration. **Code: AH108. £ 20.00**

9. **F Sherwood Taylor: *A History of Industrial Chemistry***. London, William Heinemann (1957). Black boards with gilt titling on spine, comprising 25 chapters, with 22 plates (most with more than a single illustration) and 62 bw illustrations in the text. Part I is entitled '*The pre-scientific chemical industries*' (e.g. metallurgy, ceramics, dying and pharmacy) and Part II, '*The scientific chemical industries*' (e.g. industrial organic chemistry, chemical theory, nuclear power, electrochemical industries and industrial gas-reactions); 467 pp. The author was Director of the Science Museum, London. An Ex-lib copy, but with very little evidence of wear; clean, unmarked copy, with tight binding. **Code: AH109. £15.00**

10. **L C A Knowles: *The Industrial and Commercial Revolutions in Great Britain during the Nineteenth Century*** London, George Routledge & Sons Ltd (1922), 2nd edition (revised) [In the series *Studies in Economic and Political Science*, edited by the Director of the London School of Economics and Political Science]. Black boards, with gilt titling on spine, comprising 7 parts (viz. *Introduction; The Industrial Revolution caused by Machinery; Industrial and Commercial Policy in Great Britain during the 19th Century; The Commercial Revolution caused by Mechanical Transport; The Development of Mechanical Transport in Great Britain and the Problem of State Control of Transport; The Industrial and Commercial Revolution and the New Constructive Imperialism; and The Effect of the Development of Mechanical Transport on British and Irish Agriculture*, plus *Conclusion*), with many tables of statistics, 420 pp. A sound, fairly clean copy, with tight binding; marked foxing and inked signatures of 2 previous owners on 1st ffe, but slight foxing only of subsequent 2 ffes. **Code: H110 £20.00**

11. **(Prof) Lassar-Cohn: *Chemistry in Daily Life*** (translated from the German, 5th edition, revised and augmented, by M M Pattison-Muir) London, H Grevel & Co (1913). Green boards, with gilt titling on spine and full page thematic ornament on front cover (see right), comprising 12 chapters (designated 'lectures'), covering such subjects as *gases, chemical formulae, food chemistry and diet, industrial chemistry, glass, photography and metallurgy*; with 24 wood cuts in the text, 318 pp. A very sound, clean copy, with tight binding, unmarked except for the (barely visible) embossed name of owner on ffe. **Code: AH111. £30.00**



12. **Eric J Holmyard: *Makers of Chemistry*** Oxford, Clarendon Press (1937) Dark blue boards, with gilt titling on spine, comprising 50 chapters, arranged on a predominantly biographical theme, with 98 illustrations (several as full page plates), 314 pp. The author taught at Clifton College and '*pioneered an approach to science teaching that included historical material*' (Wikipedia). A very sound copy, with tight binding, but with barely-perceptible evidence of a water stain on front cover and first 7 pages.. The ffe bears the pencilled signature

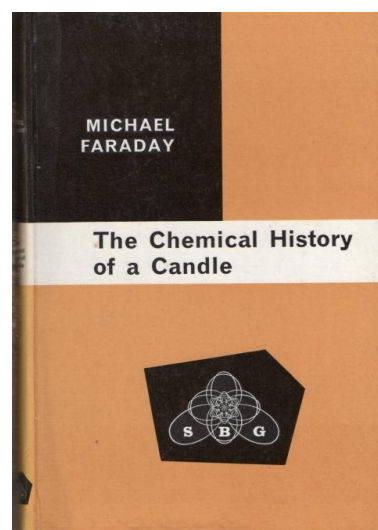
'Mary B Hesse' (b. 1924), the distinguished academic who at the time of writing is Emeritus Professor of the Philosophy of Science at Cambridge University. **Code: AH112. £20.00**

13. **Richard A Proctor: *Pleasant Ways in Science***. London, Longmans, Green & Co (1905) Brown boards, with gilt titling on spine, comprising 18 chapters covering aspects of *astronomy, meteorology, zoology, dietetics and technology*, with a few, remarkably uninformative (!), illustrations, 402 pp. The author (1837-1888), who founded the science magazine *Knowledge*, was reputedly '*the leading populariser of astronomy in the Victorian era.*' A very sound copy, with tight binding, unmarked and clean throughout. **Code: AH113. £20.00**

14. **Ira D Garard: *Invitation to Chemistry*** Newton Abbot, David & Charles (1971) ISBN071535247 4 Dark red boards, white titling on spine, 420 pp, comprising 12 chapters. An engaging history of chemistry from alchemy to atomic theory, written for the general reader. A very sound copy, with tight binding, unmarked and clean throughout. **Code: AH114. £15.00**

15. **(Sir) Edward Thorpe: *History of Chemistry (in two matching volumes) Volume I: from earliest times to the Middle of the Nineteenth Century and Volume II: from 1850 to 1910*** London, Watts & Co (1909 and 1910) Blue boards, 12mo, with gilt titling on spine. Volume I comprises 12 chapters, 148 pp, and 10 bw portrait plates. Volume II comprises 11 chapters, 152 pp, and 14 portrait plates of prominent chemists. Issued for the *Rationalist Press Association Ltd*. The author (1845-1925) was President of both the Society of Chemical Industry and the British Association. These are both very sound, clean, unmarked copies, with tight binding; the lower right front cover of volume I is slightly (barely perceptibly). faded. **Code: AH115. £45.00**

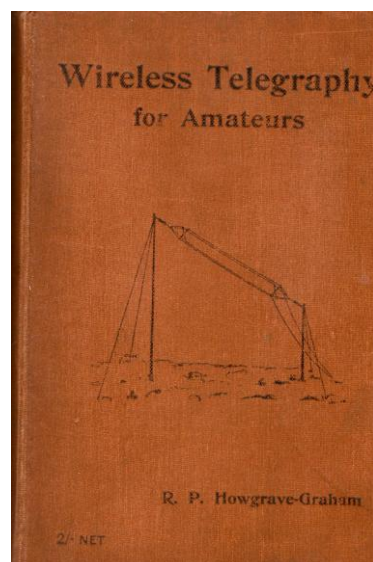
16. **Michael Faraday: *A Course of Six Lectures on the Chemical History of the Candle*** (edited by Sir William Crookes) London, The Scientific Book Guild (1960) Shiny brown and black boards, 108 pp, with portrait plate of Faraday, and 35 line drawings These are the texts of the lectures (entitled; *The flame: its source and structure; Candle: brightness of the flame; Products: water and hydrogen; Hydrogen in the candle; Oxygen in the air; Carbon: respiration and its analogy to burning*) given to 'juvenile audiences at the Royal Institution,' Albemarle Street, London, on several occasions, and finally at Christmas, 1860. Rare in this edition.] A very sound copy, with tight binding, unmarked and clean throughout. **Code: AH116. £15.00**



17. **(Sir) Cyril Hinshelwood, R P Linstead, the late (Sir) Jack Drummond and J W Cook *Chemistry and Man*** London, E & F N Spon Ltd, The Chemical Council (1953). Red boards, with gilt titling on spine, 88 pp; comprising 4 chapters: *Chemistry and Modern Thought; Chemistry and the Amenities of Life; Chemistry and food; and Chemistry and the Conquest of Disease*. A very sound copy, with tight binding, unmarked and clean throughout. **Code: AH117. £15.00**

18. **F Sherwood Taylor:** *The Alchemists: founders of modern chemistry* London, William Heinemann Ltd (1951) Light green boards, with gilt titling on spine, 146 pp, comprising 15 chapters, 17 illustrations in the text and 14 bw plates. The author was Director of the Science Museum, London. A sound copy, with tight binding, unmarked, and clean throughout; black dw with thematic red/white emblem. **Code: AH118. £15.00**

19. **R P Howgrave-Graham:** *Wireless Telegraphy for Amateurs: a handbook on the principles of radiotelegraphy and the construction and working of apparatus for small stations* London, Percival Marshall & Co (nd - probably 1912) 3rd edition, completely revised. Brown boards, with gilt titling on spine and in black on front cover, comprising 4 chapters (viz. *History and Preliminary Explanations; The Principles of Radiotelegraphy; Aerials and Transmitting Apparatus; and Receiving Apparatus*), with 51 bw illustrations (including photographs) and extensive Appendices on *Alphabets, Call-Signals; Codes, Mercury Interrupters* etc. 186 pp, plus 20 pp of fascinating advertisements (many illustrated). A sound, clean copy, with tight binding; inked signature on the title page is dated '1912'; adverts are attached to f and r eps and one ffep appears to have been removed. But overall this is a very sound, and rare, copy. **Code119: AS £25.00**



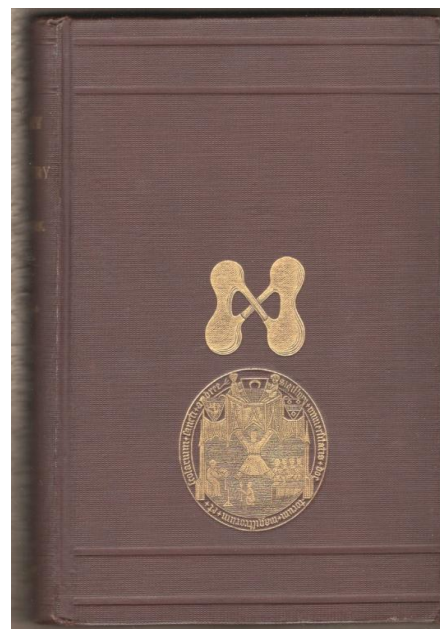
20. **(The Hon) Robert Boyle:** *The Sceptical Chymist* London, J M Dent (nd, probably 1912) Grey Boards with dull gilt titling and ornamentation on spine, comprising: *An introductory preface; Physiological considerations; six (unnamed) Parts;*, and an *Introduction* by M M Pattinson Muir (pp. vii - xxii); 230 pp. The book was published in the Everyman's Library, edited by Ernest Rhys. In his Introduction, Pattinson Muir cites evidence (on p. ix) that the first English edition of *The Sceptical Chymist* was published in 1661. A sound copy, with fairly tight binding, unmarked except for inscription on title ffep, viz 'A L Norbury, Christmas, 1912.' **Code: AH120. £20.00**

21. **Michael Faraday:** *Experimental Researches in Electricity* London, J M Dent (nd, probably 1918) Grey Boards with dull gilt titling and ornamentation on spine, comprising: *Introduction* by Prof John Tyndall (pp. vii - xxiii); and 8 parts headed: *Identity of electricities from different sources; New law of electric conduction; Electrochemical decomposition; Power of platina etc; Electrochemical decompositions, continued; Electricity of the voltaic pile; On the source of power in the voltaic pile; On the source of power in the voltaic pile, continued*, with numerous small illustrations in the text; 336 pp,. The book was published in the Everyman's Library, edited by Ernest Rhys. In concluding the Bibliography, a Note states: *The present select edition of the Experimental Researches in Electricity consists of Series II -VIII and XVI, XVIII, of the original issue in three volumes (1839-1855), with the plates and figures distributed for the reader's convenience in the text, and the sections and paragraphs consecutively renumbered.* A sound copy, with fairly tight binding, unmarked except for inscription on title ffep, viz 'A L Norbury, Liverpool, 2/7/18'. **Code: AH121. £20.00**

22. **Don K Price:** *Government and Science: their dynamic relation in American Democracy*. New York, New York University Press (1954). Brown boards, with gilt titling on spine and front cover,, comprising 7 chapters relating to public policy on research, 204 pp. A very sound, clean copy, with tight binding, unmarked except for owner's stamp, barely visible, on top edge. **Code: AH122 £15.00**

23. **Robert Mandrou:** *From Humanism to Science 1480-1700*. Hassocks, Sussex, Harvester (1978) Translated from the French by Brian Pearce. Brown boards, with gilt titling on spine, comprising 5 chapters, 330 pp, with blue/red illustrated dw. The author was Professor of Modern History, University of Paris X. A very sound, clean, unmarked copy, with tight binding. **Code: AS123. £15.00**

24. **(Dr) A Ladenburg:** *Lectures on the History of the Development of Chemistry since the time of Lavoisier*. (translated from the 2nd German edition by Leonard Dobbin PhD) Edinburgh, Alembic Club (1900). Brown boards with gilt titling on spine and attractive gilt stamped ornaments on front cover (see right), comprising 16 lectures, 373 pp. Ladenburg was Professor of Chemistry in the University of Breslau. A very sound, clean, unmarked copy, with tight binding, free of any foxing. **Code: AH124. £ 40.00**

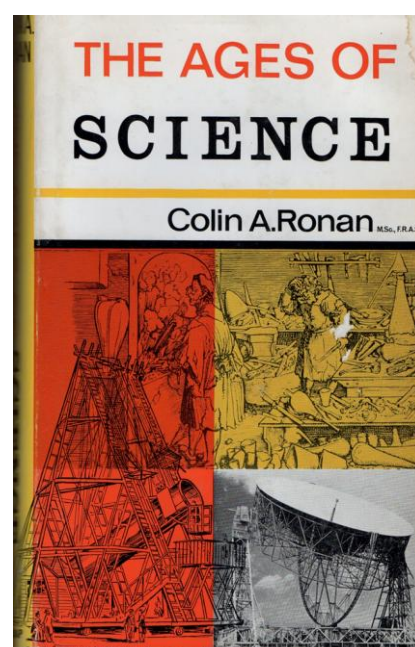


25. **H T Pledge:** *Science since 1500: a short history of mathematics, physics, chemistry, biology*. London, His Majesty's Stationery Office (Ministry of Education and Science Museum) (1946). Blue boards, with faded gilt titling on faded spine, comprising 25 chapters and 15 bw plates, and several, maps and charts, 358 pp. (+ single loose page of errata). Despite a dull spine, this is a very sound, clean copy, with tight binding, unmarked except for owner's neat signature on ffep. **Code: AS125. £20.00**

26. **Don K Price:** *The Scientific Estate*. Cambridge, Mass, Belknap Press of Harvard University Press (1975). Black boards, with silvered titling on spine, comprising 8 chapters (entitled: *Escape from the Endless Frontier*; *The Fusion of Economic and Political Power*; *The Diffusion of Sovereignty*; *The Established Dissenters*; *The Spectrum from Truth to Power*; *Constitutional Relativity*; *Professionals and Politicians*; and *Science and Freedom*), 324 pp. The author was a member of staff in the Graduate School of Public Administration at Harvard University. A very sound, clean, unmarked copy, with tight binding. **Code: AH126. £25.00**

27. **A R Ubbelohde FRS: *Man and Energy***. London, Hutchinson's Scientific and Technical Publications (1954) Black boards, with gilt titling on spine, comprising 15 chapters (viz. *Dominion over matter through energy; Machines in the pre-metrical age; Inanimate Driving Power - development of steam; World reserves of available energy; Towards Tektopia - the conflict between inanimate and animate prime movers; Towards Tektopia - a survey of energy in the modern world; Towards Tektopia - man and energy in the war; Escape from Tektopia; The Second Law of Thermodynamics as a engineering rule; The Impact of Thermodynamics on wider problems; Entropy as a guide to the trend of molecular processes; Heat death and Heat birth of the observable world; Thermodynamics and Life; Thermodynamic Laws and Cogitation; and Man in two realms of cognition*); 2 appendices and many bw illustrations in text, 248 pp, with illustrated dw. The author was a professor at Imperial College, London and then Dean of Science at Queens University, Belfast. A fairly sound, unmarked copy, with tight binding, but evidence of front hinge repair. **Code: AS127. £15.00**

28. **Colin A Ronan: *The Ages of Science***. London, George G Harrap & Co Ltd (1966). Light green boards, with blue titling on spine, comprising 17 chapters, 272 pp, with 79 illustration (including 18 pp of plates), illustrated dw (g). A very sound, clean copy, with tight binding, unmarked except for owner's stamp on top edge. **Code: AS128. £12.00**



29. **Colin A Ronan: *Changing Views of the Universe***. London, Eyre & Spottiswoode (for The Scientific Book Club) (1961). Red boards, with black titling on spine, comprising 8 chapters and 5 appendices, 206 pp, with several bw illustrations in the text, illustrated dw (vg). A very sound, clean, unmarked copy, with tight binding. **Code: AS129. £12.00**

30. **Walter Libby: *An Introduction to the History of Science***. London, George Harrap & Co Ltd (1924). Brown boards, with gilt titling on spine (faded), comprising 20 chapters (referring e.g. to *Egypt and Babylonia; Greece; Rome and the Medieval Church; Francis Bacon, Galileo, Descartes; Brahe, Kepler, Boyle; The Royal Society; Franklin; Black; Hutton; Kant, Laplace, Herschel; Dalton, Joule, Davy; Radioactive substances; Scientific imagination and Science and democratic culture*) 290 pp. The author was professor of the History of Science at Carnegie University. A sound, clean copy, with tight binding; very slight browning of a couple pp and slight bumping of top of spine; owner's neat stamp on ffepp. **Code: AH130. £20.00**

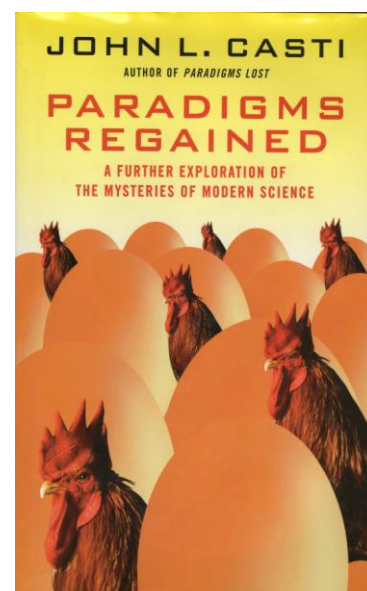
31. **W Dale Compton (editor): *The Interaction of Science and Technology***. Urbana, University of Illinois (1969). Yellow boards, with brown titling on spine and front cover, comprising 8 chapters (8 individual authors from both business organisations and universities), 138 pp.; with green dw (fg). The proceedings of a symposium held at Urbana in 1967. A very sound, clean, unmarked copy, with tight binding. **Code: AS131. £15.00**

32. **Edwin Arthur Burtt:** *The Metaphysical Foundations of Modern Science: a historical and critical essay* London, Routledge & Kegan Paul Ltd (1950) (A volume in the series *International Library of Psychology, Philosophy and Scientific Method*, first published in 1924 and in this revised edition in 1932). Black boards, with bright gilt titling on spine, comprising 8 chapters, 344 pp. A very sound, clean copy, with tight binding, but with Ex lib stamp on fpep and 2 others (both small) on other ffeeps. **Code: AH132. £20.00**

33. **W L Bragg:** *Electricity*. London, G Bell and Sons Ltd (1938). Green boards, with white titling on spine, comprising 6 chapters, 34 bw photographic plates and many illustrations in the text; 286 pp. Sir William Bragg was Director of the Cavendish Laboratory and Professor of Experimental Physics at Cambridge University. In 1915, he shared with his father W J Bragg a Nobel Prize for their pioneering work on the use of X rays to study crystal structure. A sound, unmarked copy, with minor foxing only, tight binding. **Code: AS133. £20.00**

34. **R W Reid:** *Tongues of Conscience: war and the scientist's dilemma*. London, Readers Union/Constable (1970) Cream boards, with gilt titling on spine, comprising 16 chapters, 352 pp, with 19 bw photographic plates, including full page photo of R W Oppenheimer. A very sound, clean, unmarked copy, with tight binding. **Code: AS134. £15.00**

35. **John L Casti:** *Paradigms Regained: a further exploration of the mysteries of modern science*. London, Little, Brown (2000). Black boards, with gilt titling on spine, comprising 7 chapters, 286 pp, and numerous bw illustrations and charts in the text, with coloured, illustrated dw (see right). A very sound, clean, unmarked copy, with tight binding. **Code: AS135. £15.00**



36. **Richard W Miller:** *Fact and Method: explanation, confirmation and reality in the natural and the social sciences*. Princeton NJ, Princeton University Press (1987). Light blue boards, with gilt titling on spine, comprising 11 chapters, 612 pp, blue illustrated dw. A very sound, clean, unmarked copy, with tight binding. Rare **Code: AS136. £35.00**

37. **John D Barrow:** *The Origin of the Universe*. London, Weidenfeld & Nicolson (1994) (in the *Science Masters* series) Black boards, with titling on spine, comprising 8 chapters, 150 pp, with green/white illustrated dw. A very sound, clean, unmarked copy, with tight binding. **Code: AS137. £12.00**

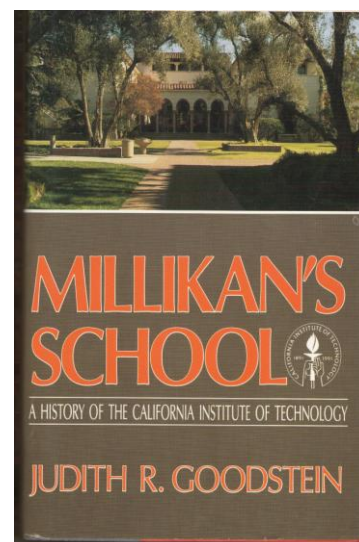
38. **Kevin Warwick:** *March of the Machines: why the new race of robots will rule the World*. London, Century Books Ltd (1997). Red boards, with gilt titling on spine, comprising 12 chapters,

264 pp, with 8 pages of coloured photographic plates, illustrated black/red dw. A very sound, clean, unmarked copy, with tight binding. **Code: AS138. £15.00**

39. **Charles Singer: *A Short History of Science: to the nineteenth century***. Oxford, Clarendon Press (1941) Dark blue boards, with gilt titling on spine, comprising 8 chapters (viz: *The rise of mental coherence; The great adventure; The failure of nerve; The failure of inspiration; The failure of knowledge; The revival of learning; The insurgent century; and The mechanical world 18th - 19th century*), with 94 text figures, 400 pp; for long, the major introductory text in the history of science. The author (1876-1960), who held a chair at University College London, was a major figure in the history of science, technology and medicine. A sound, clean copy, with tight binding; 2 inked signatures on ffep and stamp on top edge. **Code: AS139. £20.00**

40. **Roger G Krohn: *The Social Shaping of Science: institutions, ideology and careers in science***. Westport, Conn, Greenwood Publishing Corporation (1971). Green boards, with silvered titling on spine, comprising 7 chapters, 2 appendices, and several tables, 280 pp. A sound, clean copy, with tight binding, but Ex-lib stamps on a ffep. Has clear plastic protective cover, easily removable if desired. **Code: AS140. £15.00**

41. **Judith R Goodstein: *Millikan's School: a history of the California Institute of Technology***. New York, W W Norton & Co (1991) Red boards, with red titling on grey spine, comprising 14 chapters, 318 pp, with 30 full page photographic plates (e.g. of Millikan, Einstein and Linus Pauling), pictorial jacket (see right, with colour photographs of a portrait of Millikan and colleagues and of the courtyard of Caltech's *Athaneum*). A very sound, clean, unmarked copy, with tight binding. **Code: AS141. £20.00**



42. **Morris R Cohen and Ernest Nagel: *An Introduction to Logic and Scientific Method*** London, Routledge & Kegan Paul (1955) Complete edition. Black boards, with gilt titling on spine, comprising two Books, containing a total of 20 chapters. After chapter 1 (*The Subject Matter of Logic*) Book I (Formal Logic) comprises 9 chapters (viz. *The Analysis of Propositions; The Relations between Propositions; The Categorical Syllogism; Hypothetical, Alternative and Disjunctive Syllogism; Generalized or Mathematical Logic; The Nature of a Logical or Mathematical System; Probable Inference and Some Problems of Logic*). Book II (Applied Logic and Scientific Method) comprises 11 chapters (viz. *Logic and the Method of Science; Hypotheses and Scientific Method; Classification and Definition; The Methods of Experimental Inquiry; Probability and Induction; Measurement; Statistical Methods; Probable Inference in History and Allied Inquiries; Logic and Critical Evaluation; Fallacies and Conclusions*). The Appendices include many exercises. 468 pp. Ernest Nagel was a leading figure in the *logical empiricist movement*. A sound, clean copy, with tight binding; but as an Ex-lib copy has book plate on ffep, and small library stamp on a ffep: **AH142 £20.00**

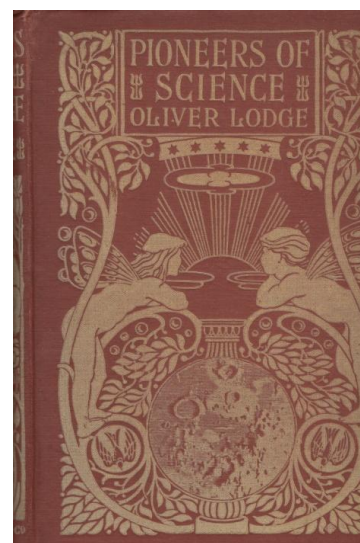
43. (Sir) Alan Cottrell: *Portrait of Nature: The World as seen by Modern Science* London, Collins (1974). Grey boards, with gilt titling on spine, comprising 13 chapters, 236 pp, with numerous line drawings in the text; red/purple dw (fg). The author was Chief Scientific Advisor to HM Government, until 1974, when he was appointed Master of Jesus College Cambridge. The book is written for the non-specialist general reader. Code: AH143. £12.00

44. (Sir) William Cecil Dampier (formerly Whetham): *A Shorter History of Science*. Cambridge, Cambridge University Press (1946). Red boards, with gilt titling on spine, comprising 11 chapters, 9 plates and 14 figures in the text, 190 pp. A very sound, clean, unmarked copy, with tight binding. Code: AS144. £20.00

45. Max F Perutz: *Is Science Necessary?: essays on science and scientists* London, Barrie and Jenkins Ltd (1989) Red boards, with gilt titling on white spine, with brown/white dw, comprising 4 parts (viz. *Is Science necessary?* (with 38 illustrations); *Science in War*; *Great Scientists* ; and *About Science*) containing a total of 15 chapters, 284 pp. The author won a Nobel Prize in chemistry, and many other distinctions e.g. Companion of Honour and Order of Merit. A very sound, clean, unmarked copy, with tight binding (near fine). Code: AH145. £15.00

46. W H Newton-Smith: *The Rationality of Science* London, Routledge & Kegan Paul Ltd (1981) [A volume in the *International Library of Philosophy* edited by Ted Honderich] Red boards, with gilt titling on spine, green dw, comprising 11 chapters (*The rational image*; *Observation, theory and truth*; *Popper: the irrationalist rationalist*; *In search of the methodologist's stone*; *T S Kuhn: from revolutionary to social democrat*; *Feyerabend: the passionate liberal*; *Theories are incommensurable?*; *The thesis of verisimilitude*; *Scientific method*; *Strong programmes*; and *Temperate rationalism*), 294 pp. A very sound, clean, unmarked copy, with tight binding (near fine). Code: AH146. £20.00

47. (Sir) Oliver Lodge: *Pioneers of Science* . London, Macmillan and Co Ltd (1918) 6th impression. Brown boards with gilt titling and ornamentation on spine and front cover (see right), comprising 18 chapters (designated *lectures*), 120 bw illustrations (including many portraits, astronomical images and diagrams of scientific instruments), 404 pp. The author was appointed Principal of the new University of Birmingham in 1900. Although prominent in the field of electricity and a pioneer of wireless telegraphy, he also engaged in psychical research and explored the notion of 'communication with the dead.' A very sound, clean copy, with tight binding; there is a neat ink signature of 'R S Williamson' on a ffepp. Code: AS147 £20.00



48 H S Thayer (editor): *Newton's Philosophy of Nature: selections from his writings*. New York, Dover Publications Inc (2005). Paperback (Newton portrait on front cover), comprising 5 chapters

(*The Method of Natural Philosophy; Fundamental Principles of Natural Philosophy; God and Natural Philosophy; Questions on Natural Philosophy; and Questions from the 'Optics.'*); and Introduction by J H Randall Jr., 208 pp. A very sound, clean, unmarked copy, with tight binding; as new. Code: AS148. **£12.00**

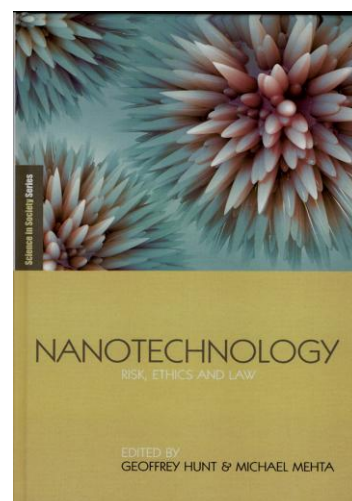
49. **S Sambursky** (translated from the Hebrew by Merton Dagut): *The Physical World of the Greeks*. London, Routledge & Kegan Paul (1963) (translated from the Hebrew by Merton Dagut). Paperback (blue/white design), comprising 10 chapters (viz. *The scientific approach; Nature and number; Heaven and earth; The Cosmos of Aristotle; The world of the atom; The world of the continuum; The interdependence of things; Cosmogenies; The beginnings of astrophysics; and Limits of Greek science*), 10 figures in the text, 256 pp. A sound, clean, unmarked copy, with tight binding, but with slight bend in top edge. Code: AS149. **£15.00**

50 **Patrick Moore: Venus**. London, Cassell Illustrated (2002) Card covers, with colour illustration of the planet Venus on front, comprising 15 chapters, 5 appendices, and numerous illustrations (many in colour) 192 pp. Sir Patrick Moore was Britain's best known astronomer, who over a period of 50 years attracted and held a very large audience through his books and television programmes. A very sound, clean, unmarked copy, with tight binding; as new. Code: AS150. **£15.00**

51. **Sheridan Bowman (editor) Science and the Past** London, British Museum Press (1991). Dark blue boards, with gilt titling on spine, comprising 10 chapters, 10 colour plates and numerous other bw illustrations, 190 pp. The authors, who were the Keeper (editor) and the staff of the Department of Scientific Research, British Museum, *show how scientific analysis can be used to illuminate the technologies and achievements of the past*. A very sound, clean, unmarked copy, with tight binding and cream dw with colour illustration on front cover; as new. Code: AS151. **£25.00**

52. **Geoffrey Hunt and Michael Mehta (editors): Nanotechnology: risk, ethics and law** London, Earthscan (2006) Shiny boards with pictorial image (see right), comprising 22 chapters, arranged in 6 parts (viz. *Introducing nanotechnology; Regional developments; Benefits and risks; Ethics and public understanding; Law and regulation; and Conclusion*), 296 pp. A very sound, clean, unmarked copy, with tight binding; (brand new). ISBN: 1-84407-358-0.

Code: AS152. **£15.00**



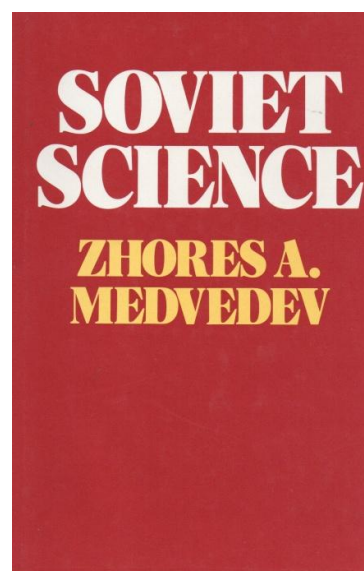
53. **Ilse Rosenthal-Schneider: Reality and Scientific Truth: discussions with Einstein, von Laue and Planck**. Detroit, Wayne State University Press (1980) [edited by Thomas Braun, Merton College, Oxford]. Black boards, with gilt titling on spine, and images of the 3 discussants on dw, comprising 6 chapters (each containing representative material from the author's conversations with the 3

'discussants' over many years, viz. *Introduction; The Universal Constants of Nature; The concepts of Substance and Conservation; Physical Reality; The Smallest Length; and More on their philosophies and personalities*), 150 pp, with; several line diagrams. A very sound, clean copy, with tight binding; as new, but with owner's neat stamp on ffep. **Code: Ah153. £15.00**

54. **Thomas S Kuhn: *The Structure of Scientific Revolutions*** (2nd edition, enlarged). Berkeley, Chicago University Press (1970) Paperback (blue/red illustration), comprising 13 chapters, 210 pp. From dw: '*a landmark intellectual history, which has attracted attention far beyond its own immediate field.*' The book was a volume in the *International Encyclopedia of Unified Science*. A very sound, clean, unmarked copy, with tight binding. **Code: AS154. £15.00**

55. **J B Poole and Kay Andrews (editors): *The Government of Science in Britain***. London, Weidenfeld and Nicolson (1972) [In the *Readings in Politics and Society* series, edited by Bernard Crick] Black boards, with gilt titling on spine, comprising 7 chapters (entitled: *Central organization 1875-1919; Central organization: the interwar years; Central organization: the second world war and after; Research and development; Manpower resources; The scientific civil service; and Parliament and science*), 358 pp, with mauve dw. The authors were on the staff of the House of Commons Library. A very sound, clean, unmarked copy, with tight binding; as new. **Code: AH155. £15.00**

56. **Zhores A Medvedev: *Soviet Science*** Oxford, Oxford University Press (1979) Black boards, with gilt titling on spine, comprising 9 chapters, 2 appendices, 262 pp *plus* 7 unnumbered pp of photographic portraits and brief biographies of 20 leading scientists, with red dw (see right). From the dw: *In this brief history of science in the Soviet Union the emphasis is on the interaction between scientific and technological developments and the political objectives of the Soviet government.* The author was for many years a prominent geneticist and biochemist in the Soviet Union, but subsequently lived in London, working at the National Institute for Medical Research. His other books included *The Rise and Fall of T D Lysenko*. A very sound, clean, copy, with tight binding; with a bw bookplate bearing the wording *Ex Libris J H Hilton* and antiquarian scene of a print shop. **Code: AH156. £20.00**

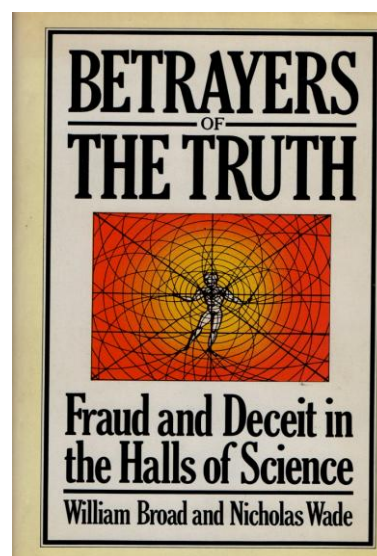


57. **William Braden: *The Age of Aquarius: technology and the cultural revolution*** London, Eyre & Spottiswoode (1971) Red boards, with gilt titling on spine, comprising 10 chapters, 306 pp, with red dw. From the preface: *the book is based in large part on conversations with noted sociologists, psychiatrists, anthropologists, historians, philosophers and theologians* and the author emphasises his concern with *the concept of growth, from both a social and a metaphysical point of view*. A sound, clean, unmarked copy, with tight binding, small (repaired) tear of dw. **Code: AH157 £15.00**

58. **Bertrand Russell: *The Scientific Outlook***. London, George Allen and Unwin Ltd (1949) (2nd edition). Blue boards, with gilt titling on spine, comprising 17 chapters, 286 pp. with pale blue dw. From the dw: .. *brilliantly written... often extremely amusing. A book to be read and to enjoyed for its wonderful acumen, wit and wealth of suggestive speculation.* A sound, clean, unmarked copy, with tight binding. **Code: AH158. £15.00**

59. **W Stanley Jevons: *The Principles of Science: a treatise on logic and scientific method*** London, Macmillan and Co (1887) [2nd edition] Brown boards, with gilt titling on spine, comprising 786 pp (*plus* xlv + 52 pp publisher's adverts), in 6 'Books' (entitled. *Formal logic; deductive and inductive; Number, variety, and probability; Methods of measurement; Inductive investigation; Generalisation, analogy, and classification; and Reflections on the results and limits of scientific method*), containing a total of 31 chapters. A full-page, tissue-protected image 'the Logical Machine' (early form of computer) appears on a fpep. A book plate on the fpep is labelled *Tarves Public Library*, and there is minor fading and bumping of edges of front and back boards; but this is a generally sound, clean, unmarked copy, with tight binding. Rare. **Code: AH159. £55.00**

60. **William Broad and Nicholas Wade: *Betrayers of the Truth: fraud and deceit in the Halls of Science*** London, Century Publishing (1982) Black boards, with gilt titling on spine, red/cream dw, comprising 13 chapters (*viz. The Flawed Ideal; Deceit in History; Rise of the Careerists; The Limits of Replication; Power of the Elite; Self-deception and Gullibility; The Myth of Logic; Masters and Apprentices; Immunity from Scrutiny; Retreat under Pressure; The Failure of Objectivity; and Fraud and the Structure of Science*), 256 pp. The book documents many startling examples, including those by Isaac Newton who '*cooked. results in his most famous treatise*, and Cyril Burt, who *invented many of the statistics supporting his theory of the inheritability of human intelligence*. A very sound, clean, unmarked copy, with tight binding; previous owner's stamp on top edge. **Code: H160 £20.00**



61. **J G Crowther: *Statesmen of Science***. London, The Cresset Press (1965) Red boards, with gilt titling on spine, comprising biographies of 9 prominent men who had '*addressed themselves to the growing role of science (which had) raised new problems in government, viz. Henry Brougham, William Robert Grove, Lyon Playfair, The Prince Consort, The Seventh Duke of Devonshire, Alexander Strange, Richard Burdon Haldane, Henry Thomas Tizard and Frederick Alexander Lindemann.*' Comprises 392 pp and 9 bw plates. With blue/grey dw; a sound, clean, unmarked copy, with tight binding. **Code: AH161. £20.00**

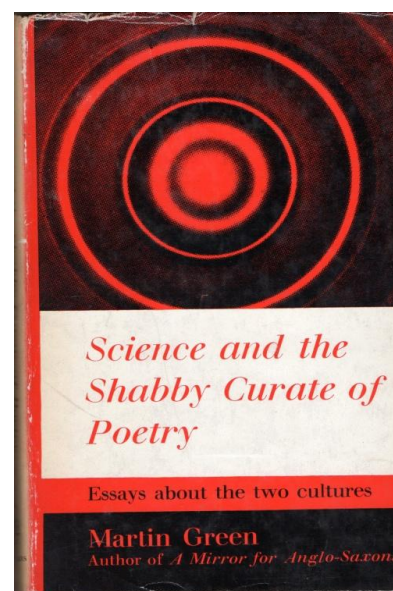
62. **Hans J Morgenthau: *Science: servant or master?*** New York, New American Library (1972) [In *Perspectives in Humanism* series, edited by Ruth Nanada Anshen] Grey boards, with black titling on spine, comprising 3 chapters, xxi +154 pp, with grey dw. The author '*examines the meaning of science*

for modern man and its effect on contemporary politics.' Morgenthau was Distinguished Professor of political science at the City University of New York. An Ex lib volume, with barely visible stamps on ffeps; but generally a sound, clean copy, with tight binding. **Code: AH162. £15.00**

63 **David Knight: *The Nature of Science: the history of science in western Culture since 1600*** London, Andre Deutsch ((1976). Brown boards, with gilt titling on spine, comprising 8 chapters (viz. *Science as a complex activity; Science as explanation; Science and Not science; The Scientific Community; Science as a career; Science and government; Science and utility; and Epilogue*), 216 pp, with pictorial dw. A very sound, clean, unmarked copy, with tight binding. **Code: AH163. £15.00**

64 **Rene Dubos: *The Dreams of Reason: science and utopias*** New York, Columbia University Press (1961) Green boards, with ornate gilt titling on spine; comprising 7 chapters (viz. *Background and prejudices; Salomon's House and the Baconian World; Visionaries and the Era of Fulfilment; Medical Utopias; Illusions of Understanding; The Dehumanization of the Scientist; and The Humanness of Science*), 16 bw plates; 157 pp. From the dw: 'the author maintains that there can be no question of regarding science and the humanities as 'two cultures.' The very power of science makes each technical problem also a problem of ethics, and the long-term consequences of every scientific undertaking must be considered.' An Ex liby volume, with prominent stamps on 4 eps, and dw torn in 2 places; otherwise a sound, clean, unmarked copy, with tight binding. **Code: AH164. £20.00**

65. **Martin Green: *Science and the Shabby Curate of Poetry: essays about the two cultures*** London, Longmans (1964). Black boards, with gilt titling on spine, comprising 7 chapters (entitled: *Two defences of the Two Cultures; Two defences of my own project; An exploratory essay (return to Cambridge); An exploratory lecture (the dangers of a literary education); A particular case (Liberal studies); Two surveys of the literature of science; and Conclusion*), 160 pp, with red/black dw (see right). From the dw: *The 'curate' of the title comes from the Auden epigraph: 'When I find myself in the company of scientists, I feel like a shabby curate who has strayed by mistake into a drawing room full of dukes.' This unhappy reaction is the product of the barrier, emotional and intellectual, that culture has erected between non-scientists and science.* The book is a reflection on the debate raised by C P Snow's account of *The Two Cultures*. A sound, clean, unmarked copy, with tight binding. **Code: AH165. £20.00**



66 **Ritchie Calder: *Profile of Science*** London, The Scientific Book Club (1953) Yellow boards, with black titling on spine, comprising 17 chapters arranged in 4 parts (viz: *The Atom; Radar; Penicillin; and Vitamins*), 322 pp, with red/white dw. The author was the science editor of the *News Chronicle*

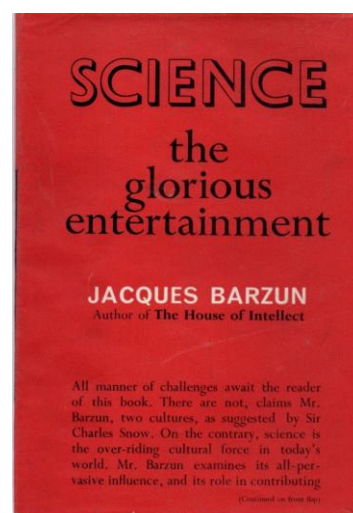
and UK delegate to UNESCO. A very sound, clean, unmarked copy, with tight binding. **Code: AH166. £15.00**

67. **Maurice Goldsmith (editor): *Science and Social Responsibility*** London, Macmillan Press Ltd (1975) Green boards, with gilt titling on spine, comprising 9 chapters (by: *A Wedgewood Benn, A Boldizar, I Priban, J Djordjevic, L Rieser, G Fryers, L Sinclair, J Goldman and H Wolff*), 170 pages, with blue dw (minor tears). A very sound, clean, unmarked copy, with tight binding. **Code: AS167. £15.00**

68. **W Roy Niblett (editor): *The Sciences, the Humanities and the Technological Threat*** London, University of London Press (1975) Grey boards, with gilt titling on spine, comprising 12 chapters (by: *Leo Marx, George Grant, Frederick Dainton, David Edge, George Tolley, Max Black, Ben Morris, John Passmore, Marjorie Reeves, L C Knights, Richard S Peters and the editor*), 168 pp, with cream dw (vg): a book in the *Higher Education* series. A very sound, clean, unmarked copy, with tight binding. **Code: AS168. £15.00**

69. **F Sherwood Taylor: *The Century of Science*** London, Heinemann (1961) 3rd edition. Green boards, with gilt titling on spine, comprising 9 chapters (*The rise of applied science; Transport and communications; Modern medicine and public health; Wages and conditions of labour; The war against dirt; The middle-class home; The leisure hours; The complicated world; and Man and his world*), 278 pp, 12 bw plates. The author was formerly Director of the Science Museum, London. A sound, clean, unmarked copy, with tight binding. **Code: AH169 £15.00**

70. **Jacques Barzun: *Science: the glorious entertainment*** London, Secker and Warburg (1964). Black boards, with silvered titling on spine, comprising 12 chapters (entitled: *To the reader; One culture, not two; Love and hatred of the machine; Science the unknown; Science the glorious entertainment; The cult of research and creativity; Science the unteachable; Behavioural science; Misbehavioural science; The treason of the artist; The burden of modernity; and One mind in many modes*), 322 pp, with red dw (see right). A very sound, clean, unmarked copy, with tight binding. **Code: AH170. £20.00**



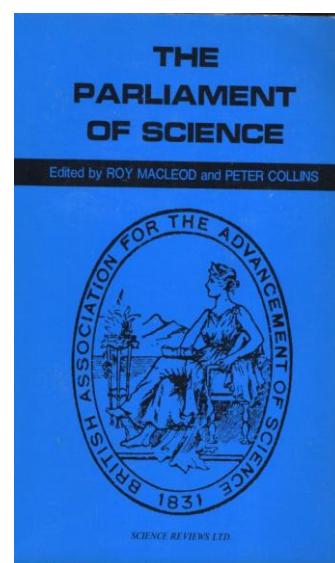
71. **G Burniston Brown: *Science: its method and its philosophy*** London, The Scientific Book Club (for George Allen & Unwin Ltd) (1951) Yellow boards, with black titling on spine, comprising 8 chapters (entitled: *Animals, Words, Aristotle, Francis Bacon, Newton, Modern Science, Ultra-modern science, and Dialogue*), 190 pp, 8 bw plates and other illustrations, and grey dw. The author was a Reader In Physics at University College London. A sound, clean, unmarked copy, with tight binding, with small tears to dw. **Code: AH171 £15.00**

72. **Gerald Holton:** *The Advancement of Science and its Burdens* Cambridge, Cambridge University Press (1986) Maroon boards, with gilt titling on spine and front cover, comprising 14 chapters, grouped in 3 parts (viz *Einstein and the Culture of Science*; *The History of 20th century Physical Science*; and *Science, Education and the Public Interest*), 352 pp. The book was based on the author's *Jefferson Lecture* and other essays. He was both Mallinckrodt Professor of Physics and Professor of the History of Science at Harvard University. A very sound, clean, unmarked copy, with tight binding (near fine). **Code: AH172 £25.00**

73. **Theodore Roszak:** *The Making of a Counter Culture: reflections on the technocratic society and its youthful opposition* London, Faber and Faber (1972) 2nd edition. Red/coloured card covers, comprising 8 chapters in 304 pp, viz: 1) *Technocracy's children*, 2) *An invasion of centaurs*, 3) *The dialectics of liberation: Herbert Marcuse and Norman Brown*; 4) *Journey to the east -- and points beyond: Allen Ginsberg and Alan Watts*; 5) *The counterfeit infinity: the use and abuse of psychedelic experience*; 6) *Exploring Utopia: the visionary sociology of Paul Goodman*, 7) *The myth of objective consciousness*, 8) *Eyes of flesh, eyes of fire* plus an *Appendix: Objectivity unlimited*. A sound, clean, unmarked copy, except for owners (feint) stamp on top edge; probably, ffep (neatly) removed; tight binding. **Code: AH173 £15.00**

74. **Ivor B Hart:** *Makers of Science: mathematics, physics, astronomy* London, Oxford University Press (1945) 4th reprinting. Dark blue boards, with gilt titling on spine, comprising 16 chapters (viz. *Aristotle*; *The School of Alexandria*; *Roger Bacon*. *Copernicus*; *Johann Kepler*; *William Gilbert, father of magnetic philosophy*; *Galileo, founder of experimental science*; *Descartes and co-ordinate geometry*; *Sit Isaac Newton*; *Robert Boyle*; *Ampere and magnetic electricity*; *Sir Humphrey Davy*; *Ohm and his famous Law*; *Michael Faraday*; *Lord Kelvin and Applied Science*; *Science today and tomorrow*: and *Bibliography*), with 120 bw illustrations, 320 pp. A very sound, clean, unmarked copy, with tight binding. **Code: AH174 £20.00**

75. **Roy Macleod and Peter Collins:** *The Parliament of Science: The British Association for the Advancement of Science 1831-1981* Northwood, Science Reviews Ltd (1981) [Marking the 150th anniversary of the establishment of the Association.] Blue card covers (with black titling on spine and front cover, together with emblems on front and back covers - see right), comprising 9 chapters in 3 parts (viz. *Impulse and Direction to Inquiry*; *The British Association Abroad*; and *The Public and the Objects of Science*); and 10 pp of bw plates; with contributions from several leading historians of science, and an *Epilogue* by Sir Frederick Dainton FRS, the distinguished chemist and Vice Chancellor of the University of Nottingham.. A sound, clean, unmarked copy, with tight binding. **Code: AH175 £15.00**



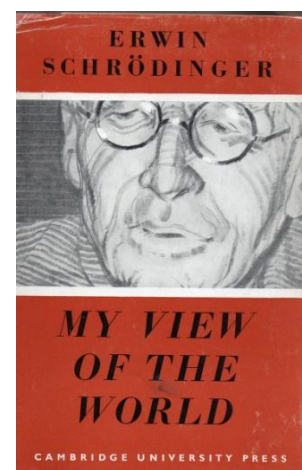
76. **F Sherwood Taylor:** *Concerning Science: its method and its philosophy* London, Macdonald & Co, Publishers Ltd (1949) Red boards, with black titling on spine and alchemical emblem on front

cover, comprising 6 chapters (*What is science?*, *What is not science?* *The Scientist*; *Science and Industry*; *Science and Modern Civilisation* and *Science and the Modern Outlook*), 160 pp. From the Preface: *The study of the effects of science on the individual and society is a necessity for every member of our modern scientific civilisation, for, without it, he cannot understand the society he lives in.* The author was Curator of the Museum of the History of Science, Oxford. A sound, clean ex lib copy, but with evidence of stamps on 2 ffeps. **Code: AH176 £15.00**

77. Norman Davy (editor): *British Scientific Literature in the Seventeenth Century* London, George G Harrap & Co Ltd (1953) Red boards, with black titling on (slightly faded) spine; comprising numerous selected passages taken from original memoirs and books of eminent scientists in the fields of General Science (e.g. *Francis Bacon*, *Martin Lister*, *Thomas Sprat*, *Isaac Newton*), Botany (e.g. *John Ray*, *Nehemia Grew*, *Tancred Robinson*), Zoology (e.g. *Edmund King*, *Francis Willoughby*, *Henry Oldenberg*, *John Winthrop*, *Hammersley*, *Robert Murray*), Geology (*John Woodward*, *Richard Buckley*), Astronomy (*John Wallis*), Meteorology (e.g. *Robert Hooke*, *Robert Boyle*), Sound (e.g. *Narcissus Marsh*), Heat (*Edmund Halley*), Chemistry (e.g. *Robert Boyle*), Magnetism (e.g. *Edmund Halley*), Technology (e.g. *William Petty*, *Thomas Henshaw*, *Prince Rupert of Bavaria*), Translations (e.g. *Thomas Salisbury*, *Philomen Holland*); 244 pp. The author was Reader in Physics at the University of Nottingham. A sound, clean Ex lib copy, but with evidence of stamps on ffep, and top edge. **Code: AH177 £15.00**

78. David Knight: *Sources for the History of Science 1660-1914* London, The Sources of History (Hodder & Stoughton) (nd, probably 1975) [In the *Studies in the Uses of Historical Evidence* series edited by G R Elton] Black boards, with gilt titling on spine and grey/white dw, comprising 7 chapters (*The history of science*; *Histories of science*; *Manuscripts*; *Journals*; *Scientific books*; *Non-scientific books*; *Surviving physical objects*; plus *Epilogue*), 224 pp. A sound, clean, unmarked copy, with tight binding; with owner's stamp on top edge, and top ~cm of front dw cut obliquely, but invisible from exterior. **Code: AH178 £15.00**

79. Erwin Schrodinger *My View of the World* London, Cambridge University Press (1964) Black boards, with gilt titling on spine, and dw with author's portrait (see right), comprising 2 essays viz i) *Seek for the Road* (with 10 subheadings: *Metaphysics in general*; *A cheerless balance-sheet*; *Philosophical wonder*; *The problem*; *The Vedantic vision*; *An exotic introduction to scientific thought*; *More about non-plurality*; *Consciousness, organic, inorganic, mneme*; *On becoming conscious*; *The moral law*) and 2) *What is real?* (*Reasons for abandoning the dualism of thought and existence*; *Linguistic information and our common possession of the world*; *The imperfection of understanding*; *The doctrine of identity, light and shadow*; *The grounds for astonishment: pseudo-ethics*). Profound philosophical reflections of the Nobel Prizewinning physicist. A sound, clean, unmarked copy, with tight binding. **Code: AH179. £30.00**

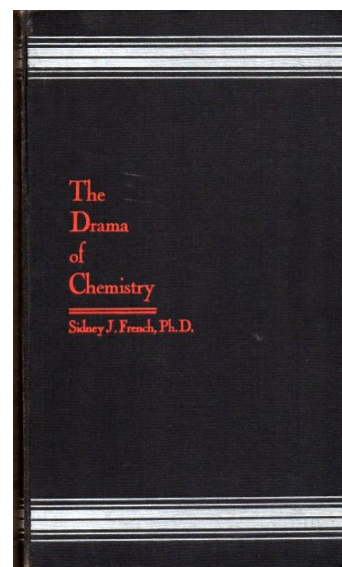


80. (Sir) Solly Zuckerman: *Beyond the Ivory Tower: the frontiers of public and private science* London, The Scientific Book Club, by arrangement with Weidenfeld & Nicolson (1971), with blue/white dw, comprising 19 chapters, which originally appeared as articles in a wide range of publications (e.g. *The Lancet*, *J Roy Soc Arts*, *Symposium on decision making in National Science Policy*), with 9 bw illustrations, 244 pp. A sound, clean, unmarked copy, with tight binding; with lower front dw corner cut obliquely, but invisible from exterior. **Code: AH180 £15.00**

81. David Steele (editor): *The History of Scientific Ideas: a teachers' guide* London, Hutchinson Educational (1979) Dark green boards, with gilt titling on spine and red dw (faded at spine), comprising 21 chapters arranged in 3 sections (viz. *The nature of the universe*; *Matter theory*, and *Scientific ideas in biology* plus 4 main *Appendices* and an extensive *Bibliography*), 280 pp. From the dw: *This is the definitive book to help teachers to run courses, at school and in technical institutions, in the History of Science*. The author was Librarian of the Deutsches Museum, Munich. A sound, clean, unmarked copy, with tight binding; with owner's stamp on top edge. **Code: AH181 £12.00**

82. Friedrich Klemm: *A History of Western Technology* (Translated by Dorothea Waley Singer) London, The Scientific Book Guild (1959) Red/black shiny boards, comprising 7 parts (entitled: *Graeco-Roman Antiquity*; *The Middle Ages*; *The Renaissance*; *The Baroque Period*; *The Age of Rationalism*; *The Period of Industrialisation*; and *Technology becomes a World power*), 400 pp, 24 bw plates and 59 figures. A sound, clean, unmarked copy, with tight binding. **Code: AH182 £15.00**

83. Sidney J French: *The Drama of Chemistry: how Man deals with atoms* London, Chapman & Hall Ltd; New York, The University Society (1937). Black boards, with red titling on spine and front cover., comprising 10 chapters (viz *Early History*; *The Awakening of Chemistry*; *The Chemical Revolution*; *The Era of Empiricism*; *The Theory of Ions*; *Structure of Atoms and Molecules*; *Organic and Biological Chemistry*; *Chemistry and Civilisation*; *The Chemist and his Work*; and *The Future of Chemistry*), 170 pp, with 112 figures (including many photographic plates). The author was a member of the academic staff of Colgate University. A sound, clean, unmarked copy, with tight binding. **Code: AH183 £20.00**

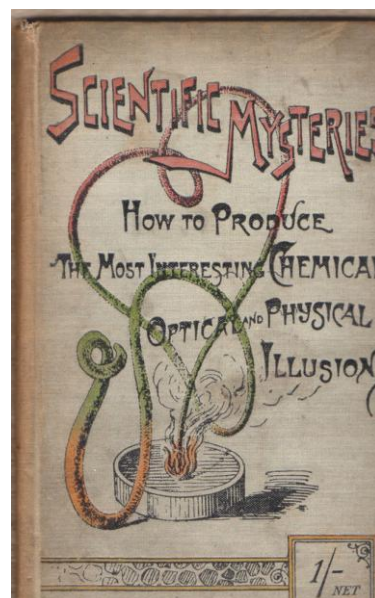


84. H D Anthony: *Science and its background* London, Macmillan & Co Ltd (1961) 4th edition. Blue boards, with gilt titling on spine and blue/white dw, comprising 25 chapters (arranged under the following headings: *Introduction*; *The Rivers period - beginnings of science*; *The Mediterranean period - classical*; *The Mediterranean period - medieval*; *The Atlantic period - renaissance*; *The Atlantic period - modern*; *The World period- international conflict*; and *The World period- international co-operation*). with numerous illustrations and bw plates, and a full page summary chart for each of the 7 periods identified above; 358 pp. The author held a wide range of educational posts, e.g. as a grammar school head, chief inspector of army education, and in the Royal Army Educational Corps. A sound, clean, unmarked copy, with tight binding. **Code: AH184 £15.00**

85. **Joseph Needham and Walter Pagel (editors): *Background to Modern Science*** Cambridge, The University Press (1940) Blue boards, with silvered titling on spine and silvered image on front cover, comprising the texts of 10 lectures delivered at Cambridge, arranged by the History of Science Committee, 1936. The lectures were given by: F M Cornford (*Greek Natural Philosophy and Modern Science*); Sir W Dampier (*from Aristotle to Galileo*); Lord Rutherford (*Forty Years of Physics*); W L Bragg (*Forty Years of Crystal Physics*) F W Aston (*Forty Years of Atomic Theory*); Sir A S Eddington (*Forty Years of Astronomy*); J A Ryle (*Forty Years of Physiology and Pathology*); G F H Nuttall (*Forty Years of Parasitology and Tropical Medicine*); R C Punnett (*Forty Years of Evolution*); and J B S Haldane (*Forty Years of Genetics*) - a galaxy of scientific distinction! The book has 244 pp, with a few illustrations. A very sound, clean, unmarked copy, with tight binding; very minor bumping to boards. **Code: AH185 £20.00**

86. **Stephen F Mason: *Main Currents of Scientific Thought*** London, Routledge & Kegan Paul Ltd (1956). Blue boards, with gilt titling on spine and blue/white dw, comprising 48 chapters (arranged in 6 parts, headed: *Ancient Science*; *Science in the Orient and Medieval Europe*; *The Scientific Revolution of the 16th and 17th Centuries*; *Eighteenth Century Science - the development of national scientific traditions*; *The Science of the 19th Century - the agent of industrial and intellectual change*; and *Twentieth Century - new fields and new powers*), 520 pp. Ex lib stamps on ffeps, probable removal of one ffep; and dw is a little torn and creased. But generally, a sound, clean copy, with tight binding. **Code: AH186 £15.00**

87. **Anonymous: *Scientific Mysteries: how to produce the most interesting, chemical, optical and physical illusions*** London, Offices of the Chemist and Druggist (nd, probably 1894). Grey boards, with red/black titling on front cover, 12mo, comprising 10 chapters (viz. *Ancient and modern chemistry*; *Experiments with the gases*; *Experiments with phosphorus*; *Experiments with metals*; *Developments of colours*; *Crystallisation effects*; *Parlour chemical magic*; *Optical delusions*; *Miscellaneous scientific applications*; and *Table of elementary substances*) A book written to provide 'educational' amusement in the home, with over 80 fascinating bw illustrations (many wood-cuts). Cover is a little darkened at edges (see right) and the binding slightly shaken; but overall a sound, and certainly rare, copy. **Code: AH187 £45.00**

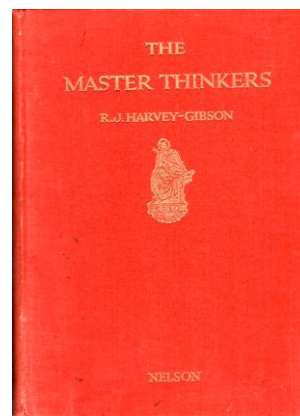


88 (Sir) **William Ramsey: *Essays biographical and chemical*** London, Archibald Constable & Co Ltd (1908). Blue boards (dull), with gilt titling on spine and front cover, and gilt top edge, comprising a series of presentations previously given as lectures or magazine articles over the preceding 25 years. Grouped under 'Historical Essays' are *The Early days of Chemistry*; *The Great London Chemists (Boyle, Cavendish, Davy and Graham)*; *Joseph Black: his life and work*; *Lord Kelvin and Bertholet*, and under 'Chemical Essays' are *How Discoveries are made*; *The Becquerel Rays*; *What is an Element? On the periodic arrangement of the Elements*; *Radium and its products*; *What is Electricity?* *The Aurora Borealis*; and *The Functions of a University*. There are 248 pp. The author,

who discovered argon in atmospheric air, was awarded a Nobel Prize in 1904. A fairly sound, clean copy, with reasonably tight binding but minor bumping to the spine; on a ffep is an inked dedication to 'H B Gibbins from Edith Pollock, Xmas 1908.' and a small label on the fpep indicates that the book was sold from W George of Bristol. **Code: AH188 £30.00**

89. **R J Harvey-Gibson: *The Master Thinkers: vignettes in the history of science, with portraits*** London, Thomas Nelson and Sons, Ltd (1928)

Red boards, with gilt titling on spine (faded) and on, with *Clio* emblem, front cover; comprising 10 chapters (entitled: *The Academy and the Lyceum; The Museum and the Alexandrine School - science in the Dark Ages; The Herald of the Dawn - Roger Bacon (1214-94); The dawn of modern science; The three immortals: Kepler, Galileo, Newton; From alchemy to chemistry - the pioneers; The story of the Earth; The new heavens and the new Earth; The Founders of biology; and The interpreters of Life*). There are 8 colour plates from paintings in the National Portrait Gallery (*Newton, Boyle, Priestley, Faraday, Lord Kelvin, Harvey, Stephen Hales and Darwin*) and 25 bw illustrations; 238 pp. A sound, clean copy, with small neat ink signature (*Maun, Cambridge*) on title page, minor bumping on top edge of spine, and later owner's (feint) stamp on top edge; tight binding. **Code: AH189 £25.00**



90. **W F Bynum, E J Browne and Roy Porter (editors): *Dictionary of the History of Science*** London, The Macmillan Press (1983). Paperback (black/green cover), 494 pp, comprising alphabetically arranged entries by approx 100 expert contributors, in the following sections: astronomy; biology; chemistry; earth sciences; historiography and sociology of science; human sciences; mathematics; medicine; philosophy of science; and physics. A sound, clean, with tight binding, but with owner's stamp on top edge. **Code: AS190. £15.00**

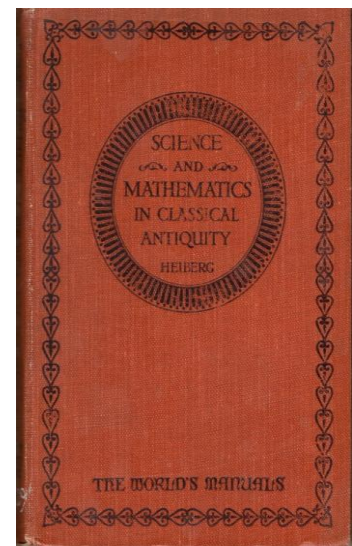
91. **Norwood Russell Hanson: *Patterns of Discovery: an enquiry into the conceptual foundations of science***. London, Cambridge University Press (1958). Green boards, with gilt titling on spine, and black/green dw, comprising 6 chapters, introduction, notes and appendices, and several bw illustrations in the text, 242 pp. A sound, quite clean, with tight binding, but with an Ex lib stamp on ffep and on rfep. **Code: AS191. £15.00**

92. **Benjamin Farrington: *Science and Politics in Ancient World*** London, George Allen & Unwin Ltd (1946) 2nd impression. Yellow boards, with gilt titling on spine, comprising 15 chapters (viz. *Introductory; A first glance at our problem; A second glance at our problem; A third glance at our problem: Pagan and Christian superstition, The two great achievements of Pre-Socratic Science: Prometheus Bound : clash between science and the city-state; Plato and the religion of the City-state; The revolt from the religion of the City-state ; What Epicurus did; Epicurus and Plato; The religion of Epicurus; Epicureanism reaches Rome; Lucretius; and After Lucretius*) 244 pp, with brown dw. The author was Professor of Classics at University College Swansea. A sound, clean, unmarked copy, with tight binding; dw has some minor tears and creases. **Code: AH192 £25.00**

93. (Sir) Fred Hoyle: *The Nature of the Universe* Oxford, Basil Blackwell (1950) 7th impression. Red boards, with faded gilt titling on spine, comprising 5 chapters (viz. *The Earth and nearby Space; The Sun and the Stars; The Origin and Evolution of the Stars; Origin of the Earth and the Planets; and Man's place in the Expanding Universe*), 6 full page bw plates, 121 pp. Hoyle was a robust defender of the *Steady-State theory* of the Universe, which became discredited by evidence for *Big Bang theory*. A sound, clean, unmarked copy, with tight binding. **Code: AH193 £15.00**

94. Dorothy Stimson: *Scientists and Amateurs: a history of the Royal Society* London, Sigma Books, (1949) Red boards (slight fading only of spine and front), with gilt titling on spine, comprising 14 chapters (viz. *Contrasts in centuries; The Dreamers; The Virtuosi; The founding of the Royal Society; Early opposition; The critical years; Stability; Targets for Satire; Contacts overseas; Conservatism; Expansion versus Tradition; Unhappy years; New growth; and The Royal Society in recent years*). 20 bw plates (including some portraits), 270 pp. An Ex-lib copy, with some unobtrusive stamps on ffeeps and spine tail, but overall a sound, clean copy, with tight binding **Code: H194 £20.00**

95. J L Heiberg: *Mathematics and Physical Science in Classical Antiquity* (Translated from the German by D C Macgregor) London, Oxford University Press (1922) [In the *Chapters in the History of Science* series edited by Charles Singer] Brown boards, with black titling on spine and front cover, comprising 10 chapters (viz. *Ionian Natural Philosophy; The Pythagoreans; Medicine in the 5th Century-Hippocrates; Mathematics in the 5th Century; Plato - the Academy; Aristotle- the Lyceum; The Alexandrians; The Epigoni; The Romans; and Greek Scientific Literature of the Empire - Byzantium*), 110 pp. Overall, a sound, fairly clean copy, with tight binding; but with Ex lib label on fpep. library stamps on 2 ffeeps and signature on 1 ffeep. **Code: AH195 £30.00**



96. Dr K T Claxton: *Great Nobel Prizes: Wilhelm Roentgen* Geneva, Editio-Service S A (1970): distributed by Heron Books. Red/black boards (faux leather), with gilt titling on spine and ornate gilt emblem on front cover, comprising 12 chapters, in three parts (viz. 1) *The Young Roentgen; Bertha and an academic career; Momentous years at Wurzburg; The Man of Munich; The Final Years;* 2) *Scientific achievements before and after the discovery of Roentgen Rays; The Aftermath;* 3) *The use of Roentgen Rays in Medicine; The Dangers of Roentgen Rays; The Second Scientific Revolution; Applications of Roentgen Rays in Science and Industry*) plus 28 illustrations (including many full page plates) and an extensive *Historical Appendix*, 311 pp. A very sound, clean, unmarked copy, with tight binding. **Code: AH196 £20.00**

97. **David Gunston: *Great Nobel Prizes: Guglielmo Marconi*** Geneva, Editio-Service S A (1970): distributed by Heron Books. Red/black boards (faux leather), with gilt titling on spine and ornate gilt emblem on front cover, comprising 13 chapters, in three parts (viz. 1) *The Boy inventor; Scientist in earnest; Radio work; The Big Bang and after; Nobel Prize-winner and World Figure; Learning to the Last*; 2) *From Pontecchio to Poldhu; The Age of Darkness; The Second Great Discovery*; and 3) *The Story of Communications; Those who paved the Way; World without Radio; On to Infinity*) plus 36 illustrations (including many full page plates) and an extensive Appendix, 350 pp. A very sound, clean, unmarked copy, with tight binding. **Code: AH197 £20.00**

98. **A N Whitehead: *Essays in Science and Philosophy*** London, Rider and Company (1948) Black boards, with gilt tiling on spine, comprising 4 parts (viz. *Personal; Philosophy; Education; and Science*), containing a total of 23 chapters. The author held chairs in philosophy successively at the Universities of London, Cambridge and Harvard, and *inter- alia* co-authored with Bertrand Russell the highly influential *Principia Mathematica*. A sound, clean, unmarked copy, with tight binding. **Code: AH198. £25.00**

99. **Stephen Toulmin: *Foresight and understanding: an enquiry into the aims of Science*** London, Hutchinson & Co Ltd (1966) 2nd impression (with a foreword by Jacques Barzun) [Based on lectures delivered at Indiana University in 1960.] Black boards, with silvered titling on spine, comprising 6 chapters (viz. *Introduction; Forecasting and Understanding; Ideals of Natural Order (I); Ideals of Natural Order (II); Forms and Styles of Theory; and The Evolution of Scientific Ideas*); 116 pp. A very sound, clean, unmarked copy, with tight binding. **Code: AH199 £15.00**

100. **Robert Gardner and Dennis Shortelle: *From Talking Drums to the Internet: an encyclopedia of communications technology*** Santa Barbara/Oxford, ABC-Clio (1997) Black boards, with silvered titling on spine, and pictorial dw, comprising a comprehensive directory of alphabetically arranged entries, with numerous bw plates and illustrations, 356 pp. A very sound, clean, unmarked copy (near-mint), with tight binding. ISBN: 9 7780874 368321. **Code: AH200 £20.00**

