



Alembic

RARE ☉ BOOKS

FIRSTS – LONDON'S RARE BOOK FAIR
BATTERSEA EVOLUTION, JUNE 7TH-9TH, 2019
STAND P11

1. **Aikin, John. The Calendar of Nature, Designed for the Instruction and Entertainment of Young Persons. The Third Edition.** London: Joseph Johnson, 1787. Duodecimo (155 x 95mm). Contemporary tree calf. Very good condition.

Third edition of this charming little book on the changing of the seasons by the physician and man of letters John Aiken (1747-1822). A very nice copy in an attractive contemporary tree calf binding. With the ownership inscription and notes of a woman, Eliza Davenport. **£350**

2. **(Album amicorum). The Family Tree or, the Hoax-o-Graph.** London: Dow and Lester, [c. 1913]. Narrow octavo. Original green cloth. Printed example "family tree" and 48 printed leaves of which 34 have been completed. Very good condition.

An unusual, early-20th century version of an album amicorum or autograph book in which participants place a drop ink onto a page and then blow on it, creating random and amusing, tree-like patterns. **£500**

3. **Arber, Agnes. Herbals. Their Origin and Evolution. A Chapter in the History of Botany 1470-1670.** Cambridge: at the University Press, 1912. Tall quarto. Original light green cloth. A very good copy.

First edition, first impression of this classic study of early modern herbals by botanist and historian of science Agnes Arber. From the library of Liberal politician Allen Heywood Bright, with his bookplate and with an autograph letter from Arber tipped-in on the front free endpaper. **£250**

4. **Armstrong, C. C. [Mary Ann]. New Zealand Ferns.** Dunedin, NZ, [late 1870s or 1880s]. Tall quarto (370 x 280mm). Original green cloth. 56 fern specimens mounted on the rectos of 16 card leaves with scientific names in manuscript, the leaves bound in on linen stubs. Maker's ticket to the front pastedown. Very good condition.

A rare, sixteen-page album of artistically arrayed and scientifically labeled New Zealand ferns by the award-winning botanical artist and entrepreneur Mary Ann Armstrong. (1838-1910). This is a nice example of Armstrong's work, which is notable for its elegant presentation. **£2,500**

5. **(Aviation) Max Rigo Selling Company. International Aviation Meet. Grant Park Chicago. Panoramic Post Card.** Chicago, IL: Max Rigo, 1911.

Folding panoramic postcard. Professionally mounted, gazed, and framed using archival materials. Very good condition.

A striking, oversized panoramic postcard depicting one of the most important aviation events prior to the First World War, the August 1911 International Aviation Meet at Grant Park in Chicago, the largest airshow held up to that time. The postcard is a fantastical composite image depicting the airshow, incorporating planes, photographs of the lakefront buildings, Grant Park, railway tracks, and crowd shots. This copy was posted by "Laurie" of 1859 Sedgwick St, which is adjacent to Lincoln Park on the north side of town, and the recipient was "Miss Florence Ort" of Defiance Ohio. Laurie has annotated the image, labelling Michigan Avenue, the Blackstone Hotel, the Auditorium theatre, and the Art Institute of Chicago. **£850**

6. **Bennett, Samuel. A New Explanation of the Ebbing and Flowing of the Sea, upon the Principles of Gravitation.** New York: for the author by Gould and Van Pelt, 1816. Octavo. Recently quarter black morocco. Very good condition.

First and only edition of this rare early American work purporting to explain the tides in a way that "will confirm, in a most remarkable manner, the general doctrine of gravitation, as established by Sir Isaac Newton" (p. viii). A very interesting work from the perspective of early American public interest in science, and rare, with only one copy appearing in WorldCat. **£275**

7. **White, Gilbert. The Natural History and Antiquities of Selborne... The Standard Edition by E. T. Bennett. Thoroughly revised, with additional notes, by James Edmund Harting...** London: Swan Sonnenschein & Co., 1922. Large octavo (210 x 135 mm). Contemporary tree calf prize binding by Bickers and Son. Superb condition.

A very beautiful and handsomely bound copy of White's Selborne, one of the great classics of nature writing, originally published in 1789. **£125**

7. **Bohr, Niels. On the Quantum Theory of Line-Spectra. Parts I, II, and III...** Copenhagen: Høst & Søn, 1918 & 1922. 3 volumes, tall quarto. Original white wrappers printed in black. Excellent condition.

First edition, first impression of Niels Bohr's key work on atomic structure, the basis of modern quantum theory. An attractive set in uncommonly nice condition. This set from the archive of astronomer Arthur Beer (1900-1980). **£2,500**

8. **Bonnevie, Kristine. "Chromosomenstudien III. Chromatinreifung in Allium cepa. Mit 4 Tafeln." Offprint from The Archiv for Zellforschung volume 6, number 2.** Leipzig: Wilhelm Engelmann, 1911. Octavo. Original grey wrappers printed in black. A very good copy.

Offprint, presentation copy inscribed by the author on the upper wrapper, "Schrader, with kind regards of the author". Cell biologist Kristine Bonnevie (1872-1949) was Norway's first female professor and "by 1949, almost every Norwegian cytologist had been trained by her" (BDWS). The recipient may have been the prominent chromosome researcher Franz Schrader (1891-1962) or his wife, Sally, also a cytologist (1895-1984). Schrader was aware of Bonnevie's work, and in 1935 cited her in his paper "Notes on the Mitotic Behaviour of Long Chromosomes". **£250**

9. **Boos, C. Maynard & Margaret Fuller. "Tectonics of Eastern Flank and Foothills of Front Range, Colorado", [offprint from] The Bulletin of the American Association of**

Petroleum Geologists, volume 41, number 12. Denver, CO: The American Association of Petroleum Geologists, December, 1957. Duodecimo. Excellent condition.

Offprint inscribed by Margaret Boos on the title, "To Sherman Wengerd, with appreciation for his prompt and careful editing of the manuscript, Margaret and Maynard Boos". Margaret Boos (1892-1978) was one of the 20th century's leading experts on the geology of the Rocky Mountains, principally the structure and stratigraphy of the Front Range. She carried out important work on minerals and petroleum reserves in the region and taught at universities across the American West. The recipient of this offprint, Sherman Wengerd (1915-1995) was a distinguished petroleum geologist at the University of New Mexico. **£250**

10. **Bowman, Martie. Calendar for 1936 depicting pilot Martie Bowman in her WACO INF biplane.** [Olympia, WA], 1935. Silver gelatin composite photograph (250 x 200 mm) with small tear-off monthly calendar for 1936. Inscribed "Merry Christmas, The Bowmans". Excellent, unused condition.

A remarkable piece of early aviation ephemera, this calendar was produced as a Christmas greeting by the early aviator Marguerite (Martie) Bowman (1901-1985) and her husband Leslie. It depicts Bowman flying in her WACO INF biplane, registration number NC625Y, in formation with two others, and also includes two portraits of Bowman and one of her husband. The Bowmans established an aviation business together and Bowman ferried planes from factories and regularly participated in air races. **£650**

11. **Brenner, Sydney & Lewis Wolpert. Sydney Brenner. A Life in Science. Recorded on 10 April - 21 May 1994.** London: Science Archive, 1997. Octavo. Original yellow wrappers printed in black. Spine slightly creased. An excellent, fresh copy.

First edition, first impression. Presentation copy inscribed from Nobel prize-winning biologist Sydney Brenner to his wife on the half title, "To May, for all the years, S. Nov 1999". This volume contains the transcript of video interviews with Brenner that were conducted between April 10th and May 21st, 1994. **£450**

12. **Buckley, Arabella B. The Fairy-Land of Science. Illustrated. Fifth Edition.** London: Edward Stanford, 1879. Octavo (180 x 120 mm). Contemporary tree calf. Very good condition.

Fifth edition. handsomely bound in contemporary tree calf. Author Arabella Buckley (1840-1929) was an authoritative popularizer of science and secretary to the zoologist Sir Charles Lyell. She was "personally familiar with the leading scientists and scientific theories of her day, lectured on natural science from 1876 until 1888, was editor of Mary Somerville's *Connexion of the Physical Sciences* (1877) and Heinrich Leutemann's *Animals from Life* (1887), and produced a set of botanical tables for the use of junior students (1876)" (ODNB). **£85**

13. **Burr, G. D. [George Dominicus]. Instructions in Practical Surveying, Topographical Plan Drawing, and Sketching Ground Without Instruments...** London: John Murray, 1847. Octavo (183 x 115 mm). Contemporary prize binding of green morocco. Very good condition.

Second edition with additions, first published in 1839. An attractively bound prize copy awarded by the Royal Military College at Sandhurst to Henry George White for "attention to, and progress in, military drawing". With White's later bookplate giving his rank as Major General.

Author George Dominicus Burr (d. 1855) was for forty years an esteemed professor of military surveying at the Royal Military College. The contents cover practical surveying and military drawing for students with no prior knowledge of the art. The recipient, Major General Henry George White (1835 - 1906), had a distinguished career in the British Army. **£350**

14. **Cartwright, Thomas. Why Boys Should Not Smoke.** London: T. C. & E. C. Jack, 1904. 56 pages, stapled. Original orange limp cloth covers. A very good copy.

First and only edition of this charming anti-smoking booklet with a facsimile introductory letter by Sir Robert Baden-Powell. Rare—World Cat locates only six institutional copies. **£100**

15. **Cavallo, Tiberius. The Theory and Practice of Aerostation. [Bound together with] Description, and Use, of the Telescopic Mother-of-Pearl Micrometer.**

London: printed for the author and sold by C. Dilly, P. Elmsly, and J. Stockdale, 1785. And London: printed for the author and sold by C. Dilly, 1793. Octavo (208 x 130 mm). Contemporary tree calf handsomely rebaked to style. A very good copy.

First edition of the first English-language scientific treatise on ballooning. This copy includes Cavallo's uncommon 1793 treatise on the mother-of-pearl micrometer he invented, and is extra-illustrated with three plates from an unknown edition of Saint-Fond's book on the Montgolfier brothers, *Description des Expériences de la Machine Aérostatique*. **£1,800**

16. **Clarke, Arthur C. (ed.). The Coming of the Space Age. Famous Accounts of Man's Probing the Universe. Selected and Edited by Arthur C. Clarke.** London: Victor Gollancz Ltd, 1967. Octavo. Original red boards, titles to spine in black. With the dust jacket. A gorgeous copy in the classic Gollancz jacket, uncommon in such nice condition.

The Coming of the Space Age contains thirty-six essays and articles on aspects of space exploration, beginning with early rocketry and addressing questions such as whether humans can live on Mars and what contact with extraterrestrials would be like. Some of the authors include Werner von Braun, Robert Goddard, Konstantin Tsiolkovsky, C. S. Lewis, Percival Lowell, Olaf Stapledon, Carl Sagan, John Glenn, J. B. S. Haldane, and Clarke himself. **£100**

17. **Compagnie Parisienne D'Eclairage et de Chauffage par le Gaz. Conduites Montantes. Album No. 2.** Paris: Compagnie Parisienne D'Eclairage et de Chauffage par le Gaz, October, 1883. Folio. Original black half morocco, spine gilt in compartments, title to upper board gilt, marbled sides and endpapers. Manuscript comprised of title, contents leaf, and 14 double-page or folding charts and diagrams. Excellent condition.

An elegant and unusual manuscript of information graphics prepared by the head of the Bureau of Rising Gas Pipes of the Parisian Gas Lighting and Heating Company in 1883. The term "conduites montantes," or rising pipes, refers to pipes that enter buildings from the street and rise up within the walls to distribute gas throughout a structure. In this manuscript, the bureau charts the increase in these types of utility connections, an obvious indication of the growth in demand for natural gas heating and lighting. The manuscript comprises a title page, contents leaf, and 14 large, precise hand-drawn charts that chronicle the company's activities in this regard. Several types of chart are included, including bar and line graphs, tables, a fan chart, and circular charts. Two of the most attractive graphics are simplified maps of Paris that use various sizes of black circle to indicate the number of rising pipes and gas subscribers in each arrondissement. The manuscript is titled "Vol. 2", and it is unclear what the first volume contained or whether

any others were created. A wonderful example of 19th-century information graphics and a significant historical record of Paris and its modernisation. **£3,000**

PRESENTATION TO HIS ENGRAVERS

18. **Dalton, John. A New System of Chemical Philosophy. Part I. Second Edition.** London: John Weale, 1842. Octavo. Publisher's brown horizontally ribbed cloth, printed paper spine label. Contents unopened. Excellent condition.

Second edition of Dalton's major statement on the constitution of matter, presentation copy inscribed by him to his engravers on the front free endpaper, "To Bradshaw & Blacklock, presented by John Dalton, D. C. L. - F. R. S. &c." A superb copy in the publisher's cloth, the contents entirely unopened. The second edition is uncommon on the market, not appearing in recent auction records. **£6,250**

19. **Emanuel, Harry. Diamonds and Precious Stones: Their History, Value and Distinguishing Characteristics...** London: John Camden Hotten, 1865. Octavo. Original purple cloth blocked in gilt. An excellent copy.

First edition, first impression of this delightful book on precious stones. A very attractive copy in unusually nice condition. **£300**

20. **English, Douglas. The Douglas English Nature Books No. 1. The Shrew-mouse, Dormouse, House-mouse, Field-mouse, Meadow-mouse, and Harvest-mouse. Photographed from Life and Described...** London: Bousfield and Company, Ltd., [first decade of the 20th century]. Octavo. Original grey wrappers printed in black. Good condition.

Probable first edition of this early work of nature photography published in a more well-known version by Cassell & Co. in 1909. This edition seems to be less common, and it may be that this book and its companion volume on birds were first published in a small print run by the lesser known Bousfield and Company before being picked up by Cassells. **£50**

21. **(European Space Agency) Bjurstedt, Hilding (ed.). Biology and Medicine in Space. Research Opportunities offered by Spacelab...** Paris: European Space Agency, August 1979.

Tall quarto. Original yellow wrappers printed in black and white. Excellent condition.

First and only edition of this uncommon volume on the biological research opportunities offered by Spacelab, the modular laboratory planned for the Space Shuttle as a joint project of NASA and the ESA. **£100**

22. **Feynman, Richard & Steven Weinberg. Elementary Particles and the Laws of Physics. The 1986 Dirac Memorial Lectures.** Cambridge: Cambridge University Press, 1987. Octavo. Original red cloth. With the dust jacket. A very good copy.

First edition, first impression. Signed by Steven Weinberg on the title page, and with the ownership signature of NASA astrophysicist Dr. Patricia (Padi) Boyd. **£500**

23. **Feynman, Richard P. "Surely You're Joking Mr. Feynman!" Adventures of a Curious Character.** New York: W. W. Norton & Company, 1985. Octavo. Original red cloth backed boards. With the dust jacket. An excellent copy.

First edition, first printing and a beautiful copy in excellent condition. The orange dust jackets and boards of this book are notoriously prone to fading, but this one is remarkably bright and attractive. Surely You're Joking Mr. Feynman is one of the most popular scientific memoirs of all time. **£1,200**

24. **[Fioravanti, Leonardo] Falloppio, Gabriele (attributed). Secreti Diversi & Miracolosi...** Venice: Alessandro Gardane [for Giacomo Leoncini], 1578. Small octavo (145 x 90 mm). Early-18th century vellum. Some contemporary or near-contemporary pen marks and short notes in the margins, many partially trimmed, more significant 12-line manuscript note to the recto of the final leaf, and pen trials, a partially illegible name, and a child's doodles to the verso of the same leaf. Very good condition.

A rare early edition, likely the fifth in the original Italian, of a significant book of secrets first published in 1563 and attributed to the anatomist Gabriele Falloppio (1523-1562), though probably written by the iconoclastic physician Leonardo Fioravanti (1517- c. 1588). **£3,500**

25. **Gage, Susanna Phelps. A Three Weeks' Human Embryo, with Especial Reference to the Brain and the Nephric System.** [Washington D.C.]: The American Journal of Anatomy, 1905. Offprint from the American Journal of Anatomy, Volume IV, No. 4, pages 409-443, September 15, 1905. Original blue-grey wrappers printed in black. An excellent copy.

Offprint from the American Journal of Anatomy, presentation copy inscribed by Gage on the upper cover, "Compliments of the Author", and with the typed ownership signature of fellow scientist Mary A. Bowers. Author Susanna Phelps Gage (1857-1915) was a prominent American embryologist and comparative anatomist who did fundamental work on the development of the human brain and nervous system. She published a number of important papers and was widely respected, earning election to the American Academy for the Advancement of Science, the American Anatomical Association, and the American Microscopical Society. This paper is one of her most significant contributions to the literature, and the five detailed anatomical plates were apparently done by Gage herself. This copy is particularly interesting in that the owner, Mary A. Bowers, was also a female scientist and the instructor of zoology at Wellesley College. An excellent presentation offering a tantalizing glimpse of the connections between female scientists in early-20th century America. **£350**

26. **Gould, Stephen Jay. Ontogeny and Phylogeny.** Cambridge, MA & London: The Belknap Press of Harvard University Press, 1977. Octavo. Original brown cloth. With the dust jacket. An excellent copy.

First edition, first printing of the author's first book. **£350**

27. **(Gould, Stephen Jay) Mandelbrot, Benoit B. Fractals: Form, Chance, and Dimension.** San Francisco: W. H. Freeman and Company, 1977. Quarto. Original blue cloth blocked in silver. With the dust jacket. An excellent, fresh copy.

First English language edition, first printing of the work that introduced Mandelbrot's revolutionary fractal mathematics to the world. Originally published in French in 1975 under the title *Les objets fractals: forme, hasard et dimension*; this edition is based on the text of the revised and expanded second French edition. This superb copy is from the library of evolutionary biologist Stephen Jay Gould, with his posthumous bookplate to the verso of the front free endpaper. **£375**

28. **(Greenham Common Women's Peace Camp) Page, Raissa. Set of 13 postcards depicting Greenham Common during the 1980s, including the Embrace the Base action, one with a manuscript note about visiting the Camp in 1984.** United Kingdom: Women for Life on Earth, ACME Cards, Enterprise Postcards, most undated, one copyright 1990. Excellent, fresh condition.

A set of thirteen postcards (two of which are duplicates), dating from the 1980s and early 1990s, depicting the Greenham Common Women's Peace Camp, many from photographs by the well-known photographer Raissa Page. One with a manuscript note about visiting the camp and the ordinariness of the women living there, a key theme of the protest's messaging. **£100**

29. **(Halley's Comet). Georgian Era Halley's Comet Brooch.** Britain, late 18th century. Gold and foil-backed almandine garnet brooch. Entirely original and in excellent condition.

A lovely, late-18th century almandine garnet brooch celebrating the 1759 passage of Halley's. The comet's much-anticipated reappearance was a popular sensation, and brooches such as this one were fashionable accessories in the years following. The British Museum holds a similar brooch (1978,1002.718). Gere et al 1984 114. **£650**

30. **[Hardouin Brothers]. Homo anatomicus or zodiac man from a French book of hours.** Paris: Hardouin, 16th century. Single leaf from a French book of hours, printed on vellum and hand illuminated. Professionally mounted, framed and glazed using archival materials. Trimmed closely at the top edge and gutter side, wrinkling and spotting of the vellum. Very good condition.

Illuminated zodiac man from a 16th-century French book of hours printed on vellum, probably from the workshop of Germain and Gillet Hardouin. **£1,500**

31. **Hingston & Company. Trade card of Hingston & Company, Chemists and Druggists opposite the Plough Hotel Cheltenham.** Cheltenham, c. 1837. Trade card. Elaborate copperplate engraved text and illustrations of a bust Hippocrates and staff of Asclepius. Excellent condition. **£135**

32. **Kent, Elizabeth. Flora Domestica, or The Portable Flower-Garden...** London: for Taylor and Hessey, 1823. Octavo. Recently rebound to style in brown half calf. A very good copy.

The uncommon first edition of this "engaging book about container-gardening" that was "addressed to town-dwelling 'lovers of nature'" (ODNB). "Elizabeth Kent combined her literary and botanical interests by writing about plants, producing books and essays meant to excite an interest in flowers among those who were otherwise 'deterred by the terms of science which met them at the threshold.'" *Flora Domestica* "lists flowers, shrubs, and small trees that can be grown in pots and tubs, gives horticultural tips about soil, cultivation, and watering, and includes anecdotes on topics such as the introduction of species into Europe. Kent cites many verses by classical and contemporary poets, including Keats, Shelley, and Charlotte Smith. Her book represented the contemporary Romantic suburban aesthetic, and was widely praised by Byron, Coleridge, and Clare." (ODNB). Ogilvie p. 690 **£150**

33. **(Lorentz, Hendrik A.) G. L. de Haas-Lorentz (ed.). H. A. Lorentz. Impressions of His Life and Work.** Amsterdam: North-Holland Publishing Company, 1957. Octavo. Original red cloth. With the original glassine jacket. An excellent copy.

First edition, first printing. A very attractive copy in the uncommon glassine jacket. **£150**

34. **(Lunar). New Luna Conveyance Company. [New Omnibus Company — Capital £12.00.000.000.]** [c. 1830s-1840s]. Lithograph mounted on a blue album leaf. Good condition.

An imaginative lithographic cartoon depicting a “New Luna Conveyance Company” omnibus carrying passengers “to the Moon” and advertising routes “to the Seven Stars” and “the Milky Way”. The origin of this lithograph is unclear. The only copy (or, indeed, reference to one) we can find anywhere is a coloured version in the Smithsonian National Air and Space Museum which also lacks identifying details. That copy is more complete, as it includes the lower title, “*New Omnibus Company — Capital £12.00.000.000*” which has been trimmed here. Though undated, it is likely that this cartoon was published during the 1830s or 40s, when networks of private omnibuses were rapidly expanding in European cities. The reference in the title to the firm’s ridiculous capital accumulation makes it clear that this joke is aimed at the rush to invest in, and roll out, new omnibus services. **£150**

35. **Mairan, [Jean Jacques D'otous de]. Traite Physique et Historique de l'Aurore Bore'ale...** Paris: l'Imprimerie Royale, 1733. Quarto. Contemporary calf professionally rebaked with the original spine laid down. A well-margined copy. Very good condition.

First edition of de Mairan’s significant treatise on the aurora borealis, including both a scientific analysis of the aurora he viewed in the vicinity of Paris and an extensive historical account of all recorded appearances of the lights. **£1,750**

36. **[Marcet, Jane]. Conversations on Natural Philosophy; in which the Elements of that Science are Familiarly Explained...** London: Longman, Hurst, Rees, Orme, and Brown, 1820.

Octavo. Contemporary green half calf. A very good copy.

Second edition of this popular work on physics by the important science populariser Jane Marcet (1769-1858). Among the subjects covered are the fundamental physical laws of gravity and motion, including simple machines such as pulleys and screws, and the motions of the moon and planets; the properties of liquids and gases and their transitions; and light, including the workings of the human eye and optical instruments. **£275**

37. **(Microscopy). A collection of anatomy and pathology microscope slides housed in a custom book-shaped case.** Mainly Birmingham, mid-20th century. 100 microscope slides, 92 of which are hand labelled, some using pre-printed blanks reading “Path. Depart. University B’ham”. Very good condition.

An unusual book-shaped case containing 100 microscope slides, probably prepared and collected by a medical student or pathologist in Birmingham during the early to mid 20th century. **£250**

38. **Moss, Norman. Men Who Play God. The Story of the Hydrogen Bomb.** London: Victor Gollancz, 1968. Octavo. Original burgundy boards. With the dust jacket. An excellent copy.

First edition, first impression. A bright, fresh copy in an unusually nice dust jacket. *Men Who Play God*, by prominent British reporter Norman Moss, covered all aspects of the development, potential use, and socio-political ramifications of thermonuclear weapons. **£75**

39. **NASA. From Here, Where? A Source Book in Space Oriented Mathematics for Secondary Levels...** Washington D. C.: NASA and the US Office of Education, 1965. Large octavo. Original green wrappers. An excellent copy.

First edition and an excellent copy of this book of space-related mathematics for high school teachers.

This volume was published as part of NASA's drive to incorporate space science into American curricula during the Space Race. It begins with lesson plans on the Ptolemaic and Copernican systems and the structure of the solar system, and goes on to cover basic rocketry, gravity and motion, navigation, and studying the weather from space. **£45**

40. **(Nuclear Warfare) U. S. Army. Commander's Radiation Guide. ABL 1962.**

[Washington, D. C.: US Army], 1962. Double-sided calculating. Cream paper printed in red and black. Fine condition.

An uncommon radiation calculator for the use of commanders in the field, designed "for the rapid evaluation of radiological situations" in the event of nuclear war. This particular design may be an earlier version of the Army's ABC-M1A1 calculator. Plastic versions of this guide were produced for the US Army during the 1960s by the West German firm Nestler. **£500**

41. **(Perpetual calendar). Early-19th century French perpetual calendar and pocket notebook.** [France, c. late 1830s]. 10 leaf notebook of which 2 leaves are of a special stiff paper that can be erased with the application of a damp cloth. Original green paper wrappers. The calendar is operated by sliding two matching paper strips, printed with the days of the week and the month, through slots in the cover. Manuscript notes in pencil to 13 of the interior pages (including all four of the erasable pages). Very good condition.

A rare French perpetual calendar and pocket notebook published in the late 1830s, a remarkable survival of such a fragile and ephemeral item. **£550**

42. **Rideal, Samuel. Sewage and the Bacterial Purification of Sewage.** London: Robert Ingram, 1900. Octavo. Original red cloth. Library stamps. Very good condition.

The uncommon first edition of this comprehensive book on sewage treatment which focuses on natural, bacterial methods. Author Samuel Rideal (1863-1929) was a prominent analytical and consulting chemist who did significant work on water purification and disinfection. Biological treatment of sewage had first been explored in the UK during the 1870s. When this volume was published in 1900, the concept of natural sewage treatment was still developing, and modern sewage treatment options were being investigated by the Royal Commission on Sewage Disposal, which by 1912 would set international standards for sewage capture and treatment. **£100**

43. **Robinson, Henry. An Accurate Representation of the Meteor which was seen on August 18th 1783...** Winthorpe: Henry Robinson, October 14th, 1783. Mezzotint (print 161 x 245 mm, sheet 177 x 250 mm). Conservation mounted, framed, and glazed using archival materials. Trimmed closely cutting off the final line of text.

A rare and historically significant mezzotint depicting the great meteor seen over Britain on August 18th, 1783, "one of the most riveting astronomical events of the eighteenth century" (Olson & Pasachoff, *Fire in the Sky: Comets and Meteors, the Decisive Centuries in British Art and Science*, pp. 63-78). We can locate only three institutional copies, at the British Library, the

British Museum, and the Wellcome Collection, and no other copies in recent auction records. Robinson's print was immediately recognised as an important contribution to the scientific and historical record. More than eighty years later it was still being cited in scientific discussions of the nature of meteors. **£1,500**

44. **Rockstroh, Heinrich. Das Mikroskop...** Berlin: Wilhelm Schüppel, 1835. Duodecimo. Original blue boards printed in black. Very good condition.

First and only edition of this charming and early book on microscopy for young people, including advice on how to use microscopes and how to collect and prepare specimens. A nice copy in the publisher's boards and featuring 5 hand-coloured engravings depicting plant, insect, and mineral specimens, as well as uncoloured plates. Uncommon, particularly in the original binding. WorldCat locates just nine institutional copies, and only three others appear in auction records. **£575**

45. **Rubin, Vera & Kent W. Ford. "Rotation of the Andromeda Nebula from a Spectroscopic Survey of Emission Regions" in Astrophysical Journal 159, No. 2, Part 1, pp. 379-405.** Chicago: University of Chicago Press, 1970. Perfect bound. Original white wrappers printed in black. An excellent copy.

First edition, in the original wrappers, of Rubin's key paper presenting the first observational evidence for the existence of dark matter. This copy with the ownership signature "Tammann" on the upper cover, likely the Swiss astronomer Gustav Andreas Tammann, director of the Astronomical Institute of the University of Basel and recipient of the Albert Einstein Medal. **£1,750**

46. **Rutherford, Ernest. Radio-Activity.** Cambridge: Cambridge University Press, 1904. Octavo. Original green cloth. Very good condition.

First edition, first impression of "the first textbook on radioactivity, surveying contemporary knowledge of the entire field" (Dibner 51), by Ernest Rutherford, the scientist who discovered the structure of the atom and who was the first to split the atom. **£550**

47. **Shetterly, Margot Lee. Hidden Figures. The American Dream and the Untold Story of the Black Women Mathematicians Who Helped Win the Space Race.** New York: William Morrow, an imprint of Harper Collins, 2016. Octavo. Original brick red and buff boards. With the dust jacket. A very good copy.

First edition, first printing. Signed and dated "3.25.18" by the author on the title. **£250**

48. **Simpson, M. The Fossils of the Yorkshire Lias; Described from Nature...** London & Whitby: Whittaker and Co.; Silvester Reed, 1855. Octavo. Original pink wrappers printed in black. Very good condition.

First edition of this rare and significant work describing the fossils of the Yorkshire coast, written by one of the region's most significant semi-professional palaeontologists, and with numerous pencilled drawings of the species described by an early owner. There are no copies of the first edition in auction records and WorldCat locates only seven in institutions. **£675**

49. **Skloot, Rebecca. The Immortal Life of Henrietta Lacks.** New York: Crown Publishers, 2010. Octavo. Original red boards. With the dust jacket. A fine copy.

First edition, first printing. A superb copy, signed and dated "3/29/10" by the author on the half title. **£350**

50. **Smyth, Charles Piazzi. The Great Comet of 1843 as seen at the Cape of Good Hope in the Evening of March 3rd.** [Edinburgh], June 1848. Lithograph (print 115 x 182 mm; sheet 277 x 384 mm). Conservation mounted, framed and glazed using archival materials. Excellent condition.

A rare and evocative lithograph of the Great Comet of 1843 as seen from the Cape of Good Hope, observed and, most unusually, also lithographed by the Astronomer Royal for Scotland, Charles Piazzi Smyth (1819-1900). Copies of this print are exceptionally scarce, with none recorded in COPAC, WorldCat, or auction records. Given that the paper they were designed to illustrate was never published, it seems unlikely that more than a handful were ever produced. **£5,000**

51. **Smyth, Charles Piazzi. The Zodiacal Light as Seen on the Breede River at the Cape of Good Hope June 1844.** [Edinburgh], June 1848. Lithograph (print 190 x 264 mm; sheet 277 x 384 mm). Professionally mounted, framed and glazed using archival materials. Very good condition.

A rare and evocative lithograph of the zodiacal light as seen from the Breede River in South Africa, observed and, most unusually, lithographed by the Astronomer Royal for Scotland, Charles Piazzi Smyth (1819-1900). Smyth's print was "the first attempt to furnish a realistic depiction of this elusive feature" of the night sky (Warner, *Charles Piazzi Smyth: Astronomer-Artist, His Cape Years*, p. 101). Copies are exceptionally scarce. We can locate only one, in the Herschel family collection at the National Maritime Museum in Greenwich (object ID PAH6023). Searches of COPAC, WorldCat, and auction records trace no others. Given that the paper they were designed to illustrate was never published, it seems unlikely that more than a handful were ever produced. **£5,000**

52. **Société Excelsior. Préservatifs pour Dames...** Paris: Société Excelsior, c. 1907. Duodecimo. 64 page catalogue, original blue wrappers printed in red and black. Very good condition.

A nice copy of this rare French contraceptives catalogue, first issued around 1907 and decorated in the Art Nouveau style. **£550**

53. **(Thermonuclear Fusion). The Institution of Electrical Engineers Convention on Thermonuclear Processes, held in conjunction with the British Nuclear Energy Conference 29th-30th April, 1959.** London: The Institution of Electrical Engineers, 1959. 21 preprints of papers delivered at the conference, 1 duplicate and 1 in typescript (presumably a late paper that wasn't received in time to be printed). Excellent condition.

Collection of 20 preprint papers (and one duplicate) on thermonuclear fusion from the first conference on the subject held in Britain, including work by leading researchers associated with the ZETA and Sceptre experiments. **£500**

54. **Tůma, Jan & Frant Ouřada. Atomová Energie...** Prague: Výtvar - Obrazová Služba Národných Pomůcek, [1957]. Perfect bound. 83 leaves of mimeographed typescript. Stiff card wrappers printed in black. An excellent copy.

Third edition, revised. A very nice example of this rare Soviet-era Czechoslovakian book on nuclear power. Published in 1957, it may have been produced in anticipation of the country's first nuclear power plant, a Soviet-funded KS 150 heavy water reactor at Jaslovské Bohunice in western Slovakia. The content is simple and straightforward, and the introduction advertises the book as suitable for schools and libraries. WorldCat locates no institutional copies of any edition of this book, though it lists other texts on nuclear energy by Jan Tůma, including a different one for schools. A fantastic and uncommon relic of the atomic age. **£750**

55. **Von Neumann, John. Theory of Self-Reproducing Automata.** Urbana & London: University of Illinois Press, 1966. Octavo. Original green cloth. With the dust jacket. An excellent, fresh copy.

First edition of this important work on self-reproduction in machines and life forms, scarce in the dust jacket. **£1,200**

57. **Watson, James D. The Double Helix. A Personal Account of the Discovery of the Structure of DNA.** New York: Atheneum, 1968. Octavo. Original blue boards. With the dust jacket. An excellent copy.

First edition, first printing and an unusually attractive copy in the bright dust jacket. **£650**

58. **Wickes & Co. Trade card of Wickes & Co., Chemists and Druggists, 89 High Street Cheltenham.** Cheltenham, c. 1825-1835. Trade card. Fine condition.

An attractive trade card for the chemists Wickes & Co. of Cheltenham, in fine condition and featuring elaborate copperplate engraving including illustrations of an alembic and a mortar and pestle. **£35**

59. **[Woodhead, Joseph]. Catalogue or Guide to the Liverpool Museum of Anatomy...** Liverpool: Matthews Brothers, Printers, [c. 1870s]. 64 page pamphlet. Original light blue wrappers printed in black. Very good condition.

The rare catalogue of the Liverpool Museum of Anatomy, describing in detail the Museum's contents and policies, and illustrating its interior by an engraving on the lower cover. **£500**

60. **Wyatt, [Matthew Coates]. A Representation of the Meteor seen at Paddington About 12 Minutes before 11 O'Clock, on the Evening of the 11th of February 1850...** London: Lloyd Bros. & Leggatt, Hayward & Leggatt, May 1, 1850. Mezzotint (print 280 x 425 mm, sheet 320 x 445 mm). Professionally cleaned. Mounted, framed and glazed using archival materials. Very good condition.

A dramatic and uncommon mezzotint depicting the spectacular meteor seen in London on February 11th, 1850, by the prominent court artist Matthew Coates Wyatt (1777-1862). **£6,500**