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A SELECTION OF BOOKS EXHIBITED AT THE INTERNATIONAL ANTIQUARIAN BOOK FAIR PASADENA, FEBRUARY 12 -14, 2016 BOOTH NO. 703

Full collations, descriptions, and bibliographical details are available for all items listed

CHEMISTRY AT THE DAWN OF THE NINETEENTH CENTURY

1. **AIKIN, Arthur & AIKIN, Charles Rochemont.** *A dictionary of chemistry and mineralogy, with an account of the processes employed in many of the most important Chemical Manufactures. To which are added a description of chemical apparatus, and various useful tables of weights and measures, chemical instruments, &c. &c.* London: John and Arthur Arch and William Phillips, 1807. Two volumes 4to. With 15 engraved plates. Full calf, rebound with the original spine laid down; text in excellent condition. **First edition.** Included are descriptions of processes such as the smelting of copper, iron and tin, as well as the making of vitriol, salt, and other substances derived from the author's own experiments. \$ 1500.00

EDITIO PRINCEPS

2. **ALFONSO X.** *Tabulae astronomicae.* [Venice: Erhard Ratdolt, 4 July 1483]. 4to. Printed in red and black with initials decorated by a contemporary hand in red, black, green and yellow, 2 large woodcuts. Elaborate blindstamped calf in a contemporary style. Annotated throughout in red and black by a contemporary hand or hands. *Edition princeps* of the Alfonsine Tables, which remained in general use until Kepler's *Tabulae Rudolphinae*. This great achievement was based on the Ptolemaic planetary system for explaining celestial motion. \$ 35,000.00



THREE SCIENTIFIC AND PHILOSOPHICAL WORKS

3. **ARISTOTLE.** *Aristotelis stagyrityae acroases physicae libri VIII. (bound with) Aristotelis stagyrityae libri de coelo IIII . . . libri de generatione II . . . libri meteororum IIII. (bound with) Aristotelis stagyrityae philosophi de anima libri III . . . de sensu & sensato liber I; de memoria & reminiscencia liber I; de somno & vigilia liber I; de longitudine & breuitate vitae.* Augsburg: Grimm & Wirsung, 1518; 1519; 1520. Three books in one. Folio. First title page in red and black; heraldic woodcuts on second and third titles. Final leaf, with large woodcut of Saint Catherine on colophon, is in facsimile on contemporary paper. Old vellum. This edition of Aristotle's scientific and philosophical writings was brought together by Johann Eck (1486-1543) and here first printed in Augsburg by Grimm and Wirsung. This is also the first time the beautiful heraldic woodcuts were used. \$ 8500.00

AVOGADRO'S LAW

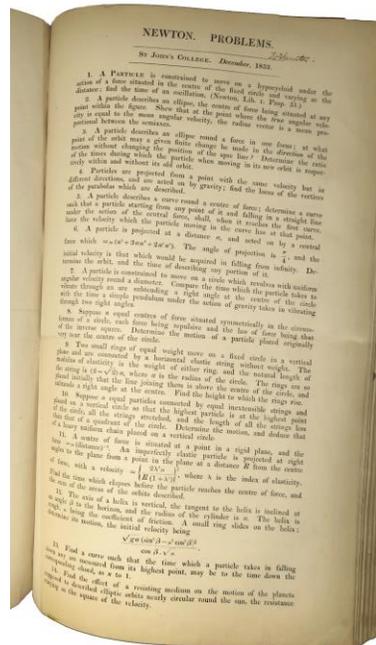
4. **AVOGADRO, Amedeo.** *Fisica de'corpi ponderabili ossia trattato della costituzione generale de'corpi.* Torino: Stamperia Reale, 1837-1841. Four volumes. 8vo. Complete with half-titles and 18 plates. Contemporary calf-backed marbled boards; a fine and clean set. **First and only edition** of Avogadro's major work, and the first systematic compendium of theoretical physics to be published in Italy, including the famous hypothesis which provided the key to distinguishing between atoms and molecules. \$ 26,000.00

THE NIGER AND ITS TRIBUTARIES - -

WITH AN IMPORTANT DISCOVERY TO PREVENT AND CURE MALARIA

5. **BAIKIE, William Balfour.** *Narrative of an exploring voyage up the rivers Kwo'ra and Bi'nuse (commonly known as the Niger and Tsadda) in 1854.* London: John Murray, 1856. 8vo. Large folding plate of plans of the ship Pleiad and the folding map of rivers. Half morocco over linen. **First edition** of this exciting and lively narrative of Baikie's successful government sponsored expedition up the Niger River and its tributary, the Benue. It was on this trip that Baikie discovered the use of quinine to not simply cure malarial fever, but rather to prevent it. Also notable is Baikie's unpopular condemnation of the African slave trade. Covering a range of topics from natural history and medicine to commerce and geography, this account of the voyage of the Pleiad is not only entertaining, but it also served as an important anthropological study of the peoples, cultures, and animals of the Niger region in Africa. \$ 950.00

6. **BERNARDINUS SENENSIS.** *Sermones de evangelio aeterno.* [Basel: Johann Amerbach, not after 1489]. Folio. Initials rubricated in red, hand-colored illustration of St. Bernardine. Contemporary calf over wooden boards, blind-stamped in a floral pattern, original brass bosses and clasps, pair of contemporary brass corner-pieces. **First edition.** Bernardinus of Siena (1380-1444), known as the Apostle of Italy, was the foremost Italian missionary of the fifteenth century. It is said that he attracted crowds of upwards of 30,000 to listen to his sermons, which often lasted three to four hours and provide a sense of the customs and manners of the time. \$ 18,000.00



RARE AND VALUABLE COPIES OF THE MATH EXAMS GIVEN AT CAMBRIDGE

7. **[BESANT, William Henry].** *Bound group of mathematical examination papers.* [Cambridge]: St. John's College, 1840's-1850's. Folio. With 1 page of Besant's handwritten notes tipped in. Quarter calf with marbled boards. An extraordinary collection of mathematical examinations given to students at Cambridge, assembled by Besant during his years as a fellow of St. John's College. These exams are from the first through third years of the Cambridge Mathematics Tripos from 1847-1859. There are 180 exams covering a wide range of topics: arithmetic and algebra; trigonometry; conic sections and algebraic geometry; mechanics; Newton; hydrostatics; optics; differential and integral calculus; solid and three-dimensional geometry; dynamics; astronomy; and much more. The students' names on the exams include Besant (1828-1912, brother of novelist Walter Besant, and an acclaimed British mathematician), Isaac Todhunter, Thomas Bond Sprague, and Stephen Parkinson, all Senior Wranglers of the Tripos. \$ 3500.00

**EARLIEST PRINTED FRENCH BOOK
ON NAVIGATION**

8. BESSARD, Toussaint de. *Dialogue, de la longitude.* . . . Rouan: Messgissier, 1574. **First edition** of this extremely rare treatise, the first work printed in France on navigation and one of the earliest attempts to determine longitude at sea. OCLC locates 6 copies, all in Europe. \$ 65,000.00



9. BIBLIA LATINA. Venice: Octavianus Scotus, 31 May 1480. Chancery 4to. Exquisite illuminated initial and marginal illustration on recto of first leaf of text and verso of third leaf, initials throughout rubricated with red and blue penwork decoration, some with gold leaf. Eighteenth-century tree calf, gilt decorated-spine and borders on covers; marbled paste-downs. Preserved in a morocco pull-off box with hand-colored patterned paper. **First edition**, and one of the earliest books from the press of Ottaviano Scoto, which operated between 1479 and 1484. All of his editions are characterized by extremely fine attention to detail and the layout of the pages. \$ 25,000.00

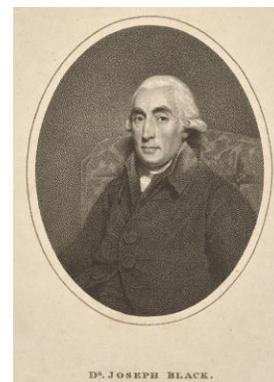


FIRST PRINTED BOOK ON METALLURGY

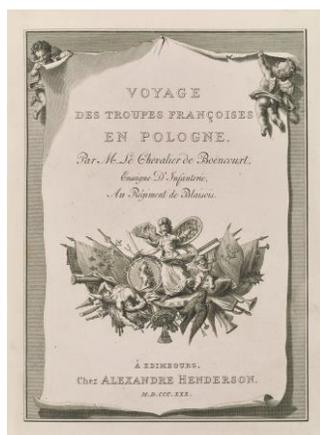
10. BIRINGUCCIO, Vannuccio. *Pirotechnia.* . . . Venice: [Giovann Padoana], 1550. 4to. Title with elaborate woodcut illustrations of various machines and apparatus. Vellum-backed marbled boards; contemporary annotations throughout. **Second edition.** This was the first printed book dealing with metallurgy, “written for the practicing metallurgist, foundryman, dyer, type-founder, glass-maker, and maker of gunpowder, fireworks and chemicals used in warfare” (Dibner). Biringuccio here gives the earliest account of typecasting and the making of statues, medallions, and bells. The woodcuts depict furnaces for distillation, bellows mechanisms, and devices for boring cannon and drawing wire. According to Smith & Gnudi, the translators of the English edition (1942), this second edition is typographically superior to the first edition of 1540. \$ 8500.00

COMPLETE WITH THE OFTEN-LACKING INDEX

11. BLACK, Joseph. *Lectures on the elements of chemistry, delivered in the University of Edinburgh.* . . . Edinburgh: Mundell and Son, 1803. Two volumes. 4to. Complete with 3 full-page engraved plates and the often-lacking index. Contemporary tree calf; overall an excellent copy. **First edition.** Black, who occupied the chair of chemistry at Edinburgh for over thirty years, was one of the most popular and celebrated lecturers of the last half of the eighteenth century. As he did not publish his lectures or experiments, his colleague John Robison undertook this posthumous publication, adding valuable notes and a long preface. \$ 3500.00



A FAILED MILITARY EXPEDITION TO POLAND --
RUSSIA TAKES ON SWEDEN & FRANCE
FOR THE POLISH CROWN



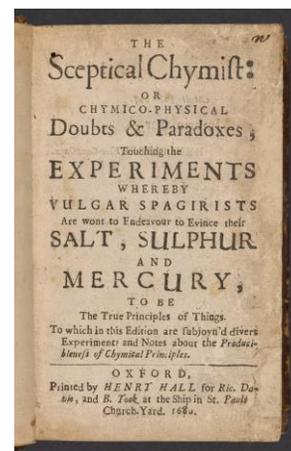
12. BOËNCOURT, Chevalier [Galliard]. HENDERSON, Alexander (editor). *A narrative of the French expedition to Dantzic in 1734; Voyage des troupes Françaises en Pologne.* Edinburgh: Alexander Henderson, 1831. 4to. First section in English, second in French. Uncut and largely unopened. **First and only edition;** limited to 58 copies, this being number 36. Henderson acquired an eighteenth century French manuscript by Boëncourt, who was part of a French military expedition to the besieged port city of Dantzic (Gdansk) in Poland during the War of Polish Succession. Russians had a claim to the throne, but Sweden, in alliance with the French, wanted Stanislaw, the son-in-law of Louis XV, on the throne. Of course a war broke out. The French sent reinforcements, but the Russians proved superior and Stanislaw fled in disguise. No copies located in America, 2 in France and 1 in Poland. \$ 8500.00

DEVELOPMENT OF COLOR THEORY

13. BOURGEOIS, Ch[arles Guillaume Alexandre]. *Mémoire sur les couleurs de l'iris, produites par la réflexion de la lumière.* . . . Paris: Testu et Ce, Courcier, Treuttel et Wurtz, 1813. 8vo. With 1 folding plate. Original wrappers; a fine, uncut, copy. **First edition** of this rare treatise in which the author examines in great detail the color theories of Newton, Brougham, Gauthier and Marat. Newton is treated in depth as is Lord Brougham's support of Newton and his opposition to the notion of a wave theory of light. He notes Grimaldi's early experiments, and the later discoveries of Marat on light and Gautier's principles of colorization. This work was done even prior to the revelations that the wavelengths of light are measurable as set forth in Fresnel's *La diffraction de la lumière*, published in 1815. \$ 850.00

MASTERPIECE OF SCIENTIFIC LITERATURE

14. BOYLE, Robert. *The sceptical chymist; experiments and notes.* Oxford: Henry Hall for Ric. Davis, and B. Took, 1680. Two parts in one. 8vo. Contemporary paneled calf, rebacked. Overall an excellent copy, though lacking the rare advertisement leaf as in most copies. **First complete edition** (first printing of Part II, second edition of Part I) of the most famous book in the history of chemistry, "marking the beginning of the modern period of the science," and extremely rare. Boyle sets forth his corpuscular theory of the constitution of matter, which finally freed chemistry from the restrictions of the Greek concept of the four elements, and which became the forerunner of Dalton's atomic theory. "*The sceptical chymist* is concerned with the relations between chemical substances rather than with transmitting one metal into another. In this sense the book must be considered as one of the most significant milestones on the way to the chemical revolution of Lavoisier" (PMM). \$ 24,000.00



PRESENTATION COPY, PART OF A FAMOUS EXHIBIT

15. BRAGG, William Henry & BRAGG, William Lawrence. *X rays and crystal structure.* London: G. Bell & Sons, 1915. 8vo. With 5 photographic plates. Original publisher's blue cloth; "PRESENTATION COPY" blind-stamped onto title. From the library of Arnold Thackray with his bookplate on the paste-down, and another bookplate laid in noting that this book was Exhibit No. 241 in the 1951 Festival of Britain Exhibition of Books, arranged by the National Book League at the Victoria & Albert Museum. **First edition** of the statement of Bragg's Law, by the father and son team who shared the 1915 Nobel Prize for physics "for their services in the analysis of crystal structure by means of x-rays." \$ 1950.00



OUTSTANDING ANATOMICAL ILLUSTRATIONS

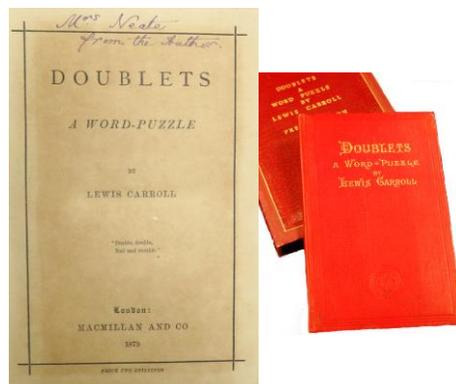
16. BROWNE, John. *Myographia nova sive musculorum omnium.* Amsterdam: Joannem Wolters, 1694. Folio. Engraved frontispiece portrait and 40 extraordinary engraved anatomical plates. Contemporary calf, rebaked. A handsome copy of the scarce second edition. Browne's anatomical atlas of the muscles was one of the most popular anatomies of its time. The work is notable as the first to have names of the muscles engraved directly upon the plates. \$ 2500.00

SURVIVING THE TRIP TO TIMBUKTU AND BACK AGAIN

17. CAILLIÉ, René. *Travels through central Africa to Timbuctoo; and across the great desert to Morocco; performed in the years 1824-1828.* London: Henry Colburn and Richard Bentley, 1830. Two volumes. 8vo. Frontispiece portrait and 7 plates, including 2 folding maps. Contemporary boards, uncut. **First edition in English** (published the same year as the original French). This was the very exciting first description of Timbuktu by a European to visit that city and return alive to tell his tale. Disguised as an Islamic convert, Caillié was able to travel from Senegal through Soudimana, Jenné, and along the Dhiolibia River to Timbuktu and then on to Morocco. His experience was unique among Western adventurers, and the narrative recounts his personal interactions with religious leaders and local clans, as well as reporting economic details for his European audience. \$ 3000.00

INVENTED FOR TWO LITTLE GIRLS "WHO FOUND NOTHING TO DO" PRESENTATION COPY TO A CLOSE FRIEND

18. CARROLL, Lewis [DODGSON, Charles Lutwidge]. *Doublets: a word-puzzle.* London: Macmillan and Co., 1879. 12mo. Original red publisher's cloth; a desirable presentation copy inscribed in purple ink, "Mrs. Neate from the Author." **First edition, first issue** of this most popular word puzzle, invented by Carroll, that became a parlor craze in its time. Beginning as a series of single problems which appeared in *Vanity Fair*, these games were collected by Macmillan and published here for the first time in book form. There are thirteen puzzles dated between March 29 and June 21, 1879. \$ 9500.00

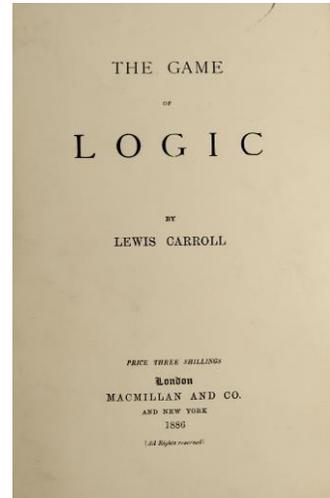


MENTAL RELAXATION - - A PRESENTATION COPY

19. CARROLL, Lewis [DODGSON, Charles Lutwidge]. *Symbolic logic. Part I: elementary* [all published]. London & New York: Macmillan and Co., 1896. 12mo. Original publisher's cloth over boards; presentation inscription, "G.E. Jelf, with the Author's sincere regards. Feb. 22, 1896." Preserved in a red morocco-backed slipcase and chemise. **First edition, pre-publication presentation copy**, inscribed by Dodgson two days before publication. This is his early work of logic, intended to supply "for a most interesting mental recreation." This work anticipates his later *Game of logic* (1897), and introduces his inventive use of square Venn diagrams to represent original syllogisms. \$ 9500.00

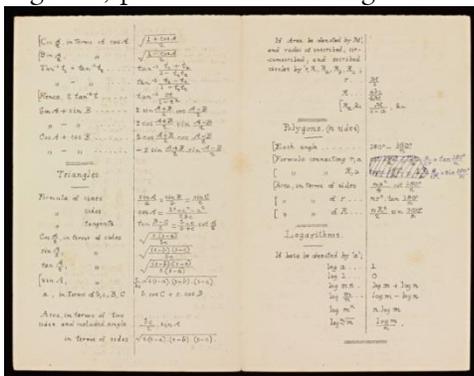
THE TRUE FIRST EDITION

20. CARROLL, Lewis [DODGSON, Charles Lutwidge]. *The game of logic.* London: Macmillan and Co., 1886. 8vo. With half-title, publisher's advertisements and numerous text diagrams. Complete with printed envelope containing the card diagram and all of the 9 counters. Original red cloth, gilt lettering. **First edition**, not the more common first trade edition of 1887, with both the title page and the envelope dated 1886. According to Williams, no more than fifty copies were printed: "This is a very rare Carroll item, and was unknown to me until quite recently . . . I have very great doubts as to whether this issue was ever really published, and strongly suspect that it was struck off for proof purposes. . . ." A delightful game combining various forms of syllogization derived from his interest in mathematics along with his whimsical literary interest in nonsense. \$ 7500.00



WITH MANUSCRIPT CORRECTIONS

21. CARROLL, Lewis [DODGSON, Charles Lutwidge]. Four mathematical pamphlets offered together, preserved in a folding clamshell case. **1. Formulae. (Group C.).** [Oxford: c.1878]. Bifolium. Rare cyclostyled pamphlet, with Dodgson's manuscript corrections in his characteristic purple ink. **2. Formulae.** [Oxford]: 19 March 1878. 8vo. Cyclostyled. This work consists of 18 formulae corresponding to the topics in section L of the pamphlet *A Guide to the Mathematical Student in Reading, Reviewing, and Working Examples*. **3. Algebraical formulae and rules for the use of candidates for respensions.** [Oxford: University Press, 1870]. Bifolium. **4. Arithmetic. I.** [Oxford: University Press, c.1870]. Bifolium. **First edition.** Templates for 33 examination problems divided into 5 sections: integral and concrete numbers, vulgar and decimal fractions, rule of three. Exceedingly rare. \$ 24,000.00



MOVEMENT OF CELESTIAL BODIES

22. CASSINI, [Jacques]. *Tables astronomiques du soleil, de la lune, des planetes, des étoiles fixes, et des satellites de Jupiter et de Saturne.* . . . Paris: de l'Imprimerie Royale, 1740. 4to. With 5 folding plates. Contemporary calf. **First edition** of Cassini's tables showing movement of the sun, moon and planets, among other celestial observations. The Tables were so accurate that they were used by astronomers long after they went out of print. \$ 1850.00

THE FOUNDATION OF SCIENTIFIC BOTANY

23. **CESALPINO, Andreas.** *De plantis libri XVI.* Florence: Georgio Marescotti, 1583. 4to. Woodcut printer’s device on title and on the colophon, woodcut initials. Full calf; an excellent copy. **First edition** of the first “rational system of plant classification” (PMM). Cesalpino’s work became the foundation of scientific botany and the first articulation of the modern concept of species. With the knowledge of the existence of a greater number of plants, a method of scientific classification was needed. This era began with Cesalpino, who created his system of classification based upon plant morphology. The effect of this work was enormous, profoundly influencing botanists that followed, including Linnaeus. \$ 25,000.00

THE NATION’S RESPONSIBILITY FOR PUBLIC HEALTH & WELFARE

24. **CHADWICK, Edwin.** *Report to Her Majesty’s principal Secretary of State for the Home Department, from the Poor Law Commissioners, on an inquiry into the sanitary condition of the labouring population of Great Britain; with appendices. (offered with) Supplement report on the results of a special inquiry into the practice of interment in towns.* London: Printed W. Clowes and Sons, 1842-1843. Two volumes. 8vo. Complete with 19 lithographed plates, including 3 folding maps printed in color. Publisher’s plum-colored cloth. **First editions** of “one of the most important documents of the first half of the nineteenth century. Its recommendation included, for the first time, national responsibility for drainage, cleaning of streets, paving, light and water supply, and a national health and burial service” (PMM). Chadwick points out the correlations between the lack of sanitation and disease, high mortality rates and low life expectancy, concluding that the problems had become not only a humanitarian but an economic crisis. \$ 1800.00

25. **[CIVIL WAR] AUTOGRAPH LETTERS.** A group of letters from notable Civil War-era figures, including Maryland Governor Augustus Bradford, General Benjamin Butler, Abolitionist and anti-slavery advocate Maria Chapman, Jefferson Davis, Tennessee Governor Isham Harris, Major General George McClellan, Fitz John Porter, William Tecumseh Sherman and Senator Charles Sumner, among others.

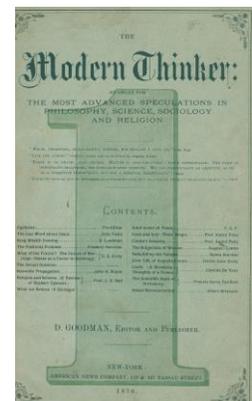


SECOND EDITION OF COPERNICUS’ *DE REVOLUTIONIBUS*, THE FIRST WITH RHETICUS’ *NARRATIO PRIMA*

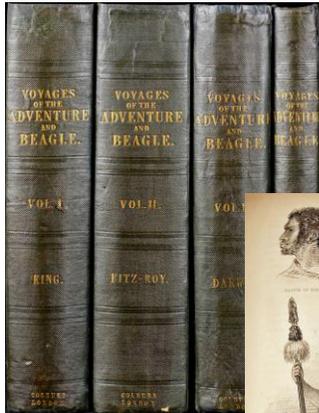
26. **COPERNICUS, Nicolaus.** *De revolutionibus orbium coelestium, libri VI . . . Narratio prima, per M. Georgium Ioachimum Rheticum ad D. Ioan. Schonerum scripta.* Basel: Heinrich Petri, [September, 1566]. Folio. Contemporary vellum. **Second edition** of Copernicus’ epochal work, the first to propound the theory of planetary orbits. Added here for the first time is Rheticus’ famous tract, *Narratio prima*, first published in 1540, containing the actual first announcement of Copernicus’s system. \$ 180,000.00

FIRST ISSUE OF VERY RARE AMERICAN POSITIVIST JOURNAL

27. **CROLY, David Goodman.** *The modern thinker: an organ for the most advanced speculations in philosophy, science, sociology and religion.* New York: American News Company, 1870. 8vo. Each article is printed on different colored paper. With the original printed wrappers bound into contemporary quarter-calf over marbled boards. An excellent copy. **First edition**, extremely rare, of a journal that was published in three issues only; we offer the first issue here. *The modern thinker* “served as a vehicle for the positivist and Spencerian positions of the publisher and a small circle of colleagues, including the utopian socialist John Humphrey Noyes.” Croly states that



since no existing magazines provide expression to the advanced thought of the time on philosophical, scientific and religious issues (so as not to give offence to any possible patron), this journal will support the discussion of those subjects, even if the result is to “shock many old prejudices, and to create a good many new ones.” Among the articles are ones that describe the future of marriage; the sexual question; scientific propagation; religion and science; good and evil, and their origin; the subjection of women; the scientific basis of orthodoxy; and social reconstruction. \$ 1500.00



THE GENESIS OF THE THEORY OF EVOLUTION

28. DARWIN, Charles, FITZROY, Robert, & KING, P. Parker.

Narrative of the surveying voyages of His Majesty's ships Adventure and Beagle. . . . London: Henry Colburn, 1839. Four volumes. Complete with 44 lithographed plates and all of the maps and charts. Original cloth, rebacked; in excellent condition. **First edition, first issue** recording the historic voyage of the Beagle, including Darwin's *Journal* which forms the third volume of the *Narrative*, Darwin's first published book. \$ 85,000.00



ASSOCIATION COPY WITH LETTERS AND UNRECORDED OFFPRINT

29. DARWIN, Charles. *On the origin of species by means of natural selection.* London: John Murray, 1859. 8vo. Contemporary half-morocco over marbled boards. An excellent copy inscribed by Leonard Darwin with related material bound in at the end, including a 2-page letter signed by Darwin, and an unrecorded offprint of a paper on Darwin's work. **First edition** of Darwin's historic and pioneering work on the theory of evolution; certainly the most important biological book ever written. The half-title is inscribed by Leonard Darwin: "This is the first edition of the Origin - written by my father - containing a passage on p. 184 which he always regretted to have omitted in later editions -- 10 April 1927." \$ 95,000.00

DARWIN'S FIRST USE OF THE WORD "EVOLUTION"

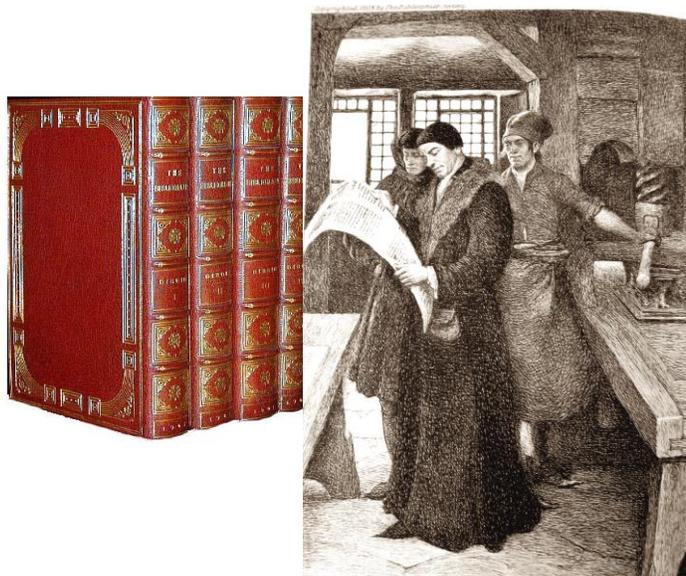
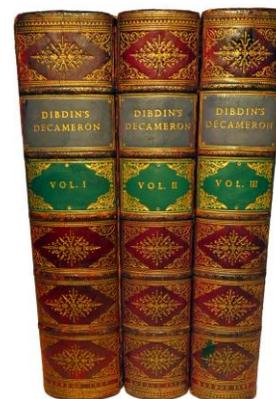
30. DARWIN, Charles. *The descent of man, and selection in relation to sex.* London: John Murray, 1871. Two volumes. 8vo. Green half morocco; interior excellent. **First edition, second issue**, of Darwin's classic work on comparative anatomy. Examining the physiological and psychological aspects of man and ape, he fills in what had been merely suggested in the *Origin*: that man's ancestors would be classified among the primates and on a lower scale than apes. The last chapter is an added essay on sexual selection, the superior chances of mating that some individuals of one sex have over their rivals. \$ 3000.00

31. DARWIN, Charles. ALS. Down, 29 August, 1871. Single sheet, folded in half, with 2 pages entirely in Darwin's hand on his personal engraved stationery. Repairs where signature was cut away, and then re-attached. "The most convenient time for your clerk to come here tomorrow Wednesday will be by the train which leaves Charring Cross at 5.5 or Cannon St. 5:15 arriving Orpington at 5:47, where I hope he will take a fly for the four mile drive. A suitable train to return will be the 8:20 from Orpington. I hope these hours will not be inconvenient. I buy leave to repeat my thanks for all your kind assistance in this affair." \$ 4500.00

32. [DEMOCRATIC NATIONAL CONVENTION]. [BROADSIDE]. *The real Chicago platform, as expounded by the Democratic orators at Chicago. On Monday and Tuesday nights, Aug. 29 and 30, at the City of Chicago, a number of distinguished Democratic orators entertained the members of the Chicago Convention . . .* [n.p.: n.p., 1864]. Broadside. 1 sheet, printed in two columns. **First edition.** This broadside contains extracts from speeches at the Democratic National Convention in Chicago, Aug. 29-30, 1864. \$ 600.00

THE MOST EXTRAVAGANT OF DIBDIN'S WORKS

33. DIBDIN, Rev. T[homas] F[rognall]. *The bibliographical decameron, or ten days pleasant discourse, upon illuminated manuscripts, and subjects connected with early engravings, typography and bibliography.* London: The Author, W. Bulmer & Co., Shakespeare Press, 1817. Three volumes. Imperial 8vo. With 40 plates, including the oft missing "Presentation in the Temple" in Volume I, portraits, illustrations and facsimiles, engraved vignettes, woodcut and text illustrations (some printed on India paper and mounted). Contemporary full crimson crushed levant morocco bound by St. James' Duke Street, London, a dated binding with the elaborate gilt spine in 6 compartments and "London, 1827" in gilt at the foot. From the library of Thomas Willement (1786-1871), British stained glass artist, called "the father of Victorian Stained Glass." **First and only edition** of one of the monuments of typographical bibliography. \$ 2500.00



LIMITED EDITION

34. DIBDIN, Thomas Frognall. *Bibliomania; or, book-madness; containing some account of the history, symptoms, and cure of this fatal disease.* Boston: The Bibliophile Society, 1903. Four volumes. 8vo. Full red crushed morocco, spines elaborately gilt in compartments with five raised bands, covers finely gilt with a floral and geometric frame, gilt rules; red and green morocco doublures ruled in gilt, watered silk endpapers; top edges gilt, others uncut. A fine set. Limited to 483 copies printed. \$ 3500.00

MAGICAL PROPERTIES OF SMOKE

35. DUNHILL, Alfred. *The gentle art of smoking.* New York: G.P. Putnam's Sons, [1954]. 8vo. Illustrated with drawings throughout by James Arnold. An excellent copy in the original illustrated dust jacket. (offered with) Three U.S. patents on pipes, dated 1915, 1923, 1935. Patents are 3 leaves each with front page drawings of pipes and parts. **First edition.** This is Dunhill's story of tobacco and the use of it, from the earliest times in America, Europe, Asia, and Africa. \$ 750.00





Canoe shooting a Rapid.

A CELEBRATION OF THE AMERICAN WEST

36. **DUNRAVEN, Earl of [WYNDHAM-QUIN, Windham Thomas]**. *The great divide; travels in the Upper Yellowstone in the summer of 1874*. London: Chatto & Windus, 1876. 8vo. With half-title, frontispiece plus 14 full-plate engravings and 2 folding maps. Marble covers backed in cloth. **First edition**, written a few years after the establishment of Yellowstone as a national park in 1872. Dunraven praises the United States for their national parks, exclaiming that the “privilege of viewing the marvels of nature . . . should forever be free to all nations and all people.” In this personal account, he views the area’s natural wonders and observes local culture.

\$ 1250.00



MATHEMATICAL AND GEODESICAL PUZZLE

37. **DUPIN L.** *Géométrie stéréométrique ou décomposition du cube en polyèdres réguliers, irréguliers et corps ronds; formant entre eux plus de 120 solides appliqués à l'étude de la géométrie, de la coupe des pierres, de la charpente et de la minéralogie*. [Paris : de Clérin (?) c. 1839]. Original mahogany box with twenty-seven polyhedrons and one cylinder, all of varying sizes with mathematical definitions or formulas printed on each side. A very rare and unusual early Victorian mathematical and geodesical puzzle, an inventive way to explain *stéréotomie*, the science of cutting materials used in construction, carpentry, or mineralogy. The

individual pieces can be fit together in numerous patterns and shapes, and can be removed and examined to explain the geometry of cut stone or wood. This particular object was exhibited by the Boeringer Brothers at the Paris, 1839 *Exposition des produits de l'industrie Française*.

\$ 9500.00

DETAILED ACCOUNT OF THE SECOND ANGLO-SIKH WAR

38. **EDWARDES, Major Herbert B.** *A year on the Punjab frontier, in 1848-49*. London: Richard Bentley, 1851. Two volumes. 8vo. Frontispiece portrait, 6 plates (3 colored lithograph) and 2 folding plans. Contemporary full calf. **First edition** of Edwardes' account of the Punjab Rebellion of 1848, also known as the second Anglo-Sikh War. With the Punjab being ruled by a British Resident, Edwardes, despite any military training, raised a body of soldiers and defeated rebels loyal to a local Sikh leader. As a result of his deeds, he became quite famous and celebrated back in England, where he was known as the “Hero of Multan.”

\$ 750.00





**BY A REMARKABLE FEMALE
TRAVELER**

39. EDWARDS, Amelia B. *A thousand miles up the Nile.* London: George Routledge and Sons, 1891. 8vo. With frontispiece, title vignette, and many illustrations. Publisher's blue cloth. **Second edition.** Having enjoyed a successful career as a novelist in England, Edwards traveled independently to Egypt without a male chaperone and in the company

of a lady friend. There she became fascinated with Egyptology and archaeology, subjects which she studied and promoted for the rest of her life. This second edition corrects "some of the historical notes by the light of later discoveries," but the narrative remains untouched. While much of the text recounts her delightful and often intrepid excursions in Egypt, Edwards was also keenly observant of her environment, commenting on the ethical implications of excavation, the antiquity trade, and the realities of colonial exploitation.

\$ 550.00

FIRST STATEMENT OF SPECIAL RELATIVITY

40. EINSTEIN, Albert. "Über einer die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Geischtspunkt." (**with**) "Über die von der molekularkinetischen Theorie der Wärme geforderte Bewegung von in ruhenden Flüssigkeiten suspendierten Teilchen." (**with**) "Zur Elektrodynamik bewegter Körper." Three articles in *Annalyn der Physik*, 4. Folge, Band. 17. Leipzig: Johann Ambrosius Barth, 1905. 8vo. Contemporary marbled boards. **First edition** of arguably the most important issue of the *Annalen der Physik*, containing the three papers by Einstein, one for which he won the Nobel Prize in 1921, a work on Brownian motion, and the first statement of the special theory of relativity.

\$ 15,000.00

GENERAL RELATIVITY

41. EINSTEIN, Albert. *Die Grundlage der allgemeinen Relativitätstheorie.* Leipzig: J. A. Barth, June, 1916. 8vo. Original printed wrappers on rippled paper. An uncut copy, ownership signature on the front wrapper, preserved in a half-morocco solander box. **First separate printing** of Einstein's classic paper. Not an offprint from the *Annalen der Physik* as is often thought, but a completely new setting of type with significant and important additions and revisions, including an introduction published here for the first time which was not in the journal issue.

\$ 8500.00

RELATIVITY EXPLAINED TO THE GENERAL PUBLIC

42. EINSTEIN, Albert. *Relativity. The special and general theory.* New York: Henry Holt and Company, [1920]. 8vo. With an etching of Einstein dated 1920. Blue cloth. **First American edition**, written for you, the average reader.

\$ 950.00

TRUE SECRETS OF PHILOSOPHERS OVER THE CENTURIES

43. ENFIELD, William. *The history of philosophy from the earliest times to the beginning of the present century; drawn up from Brucker's Historia critica philosophiae.* London: Printed for J. Johnson, 1791. Two volumes. 4to. With the large folding plate, often missing. Full calf in a contemporary style; an excellent copy from the library of Henry Stuart Page, Bibliotheca Warringtoniae, with his bookplate on the front paste-down. **First edition** of this formative work by Enfield, a translation and rendering of Johann Jakob Brucker's successful and extensive philosophical history, *Historia critica philosophiae*, originally published in 1742. Enfield's work spans centuries beginning with the ancient Hebrews and concluding with the contemporary philosophers of his time. Also included is the rare extraordinary multi-page folding plate charting each and every historical figure mentioned in this work.

\$ 650.00



AMAZING ANNOTATIONS

44. EUCLID. *Euclidis megarensis mathematici clarissimi elementorum geometricorum libri XV. Cum expositione Theonis in priores XIII a Bartholomaeo Veneto Latinitate donata, campani in omnes, & hysiclis Alexandrini in duos postremos.* Basle: Johann Herwagen, 1546. Folio. Possibly a contemporary vellum binding; contemporary annotations on the first few leaves of text. A large, wide-margined copy of the 1546 Herwagen edition of Euclid. According to Zeitlinger, it is “the first complete edition of Euclid’s works.” It contains an explanation of all books, plus the *Phaenomena*, *Catoptrica*, and *Data*, as well as the first printing of the *Opusculum de Levi & ponderoso*, a fragment of which was discovered just as the present work’s first edition was about to be printed.

\$ 12,000.00



45. FORREST, Captain Thomas. *A voyage to New Guinea, and the Moluccas, from Balambangan: including an account of Magindano, Sooloo, and other islands; and illustrated with thirty copperplates. Performed in the Tartar galley, belonging to the Honourable East India company, during the years 1774, 1775, and 1776 to which is added, a Vocabulary of the Magindano Tongue.* London: G. Scott, 1779. 4to. Engraved frontispiece portrait of the author plus 32 engraved plates and maps. Contemporary calf. **First edition** of a truly amazing journey from one of the most experienced ship captains sailing the eastern seas. Forrest here documents a trade journey he made on behalf of the East India Company, starting from the island of Borneo and sailing east to New Guinea, the Moluccas, Mindanao, then back to Borneo and finally to the Malay Peninsula. More than just a geographic or ethnographic study, this travel narrative includes topics of interest for every collector.

\$ 4000.00

THE FIRST PRINTED ACCOUNT OF COOK’S SECOND VOYAGE

46. FORSTER, George. *A voyage round the world, in His Britannic Majesty’s sloop, Resolution, commanded by Capt. James Cook, during the years 1772, 3, 4, and 5.* London: B. White, etc., 1777. Two volumes. 4to. Large folding map in Volume I. Modern full calf. **First edition** of a remarkable achievement, “an important and necessary addition” (Hill) to the account of Cook’s second voyage. Cook was the first to cross the Antarctic Circle, and on his return to the area near New Zealand an astonishing series of discoveries and rediscoveries were made, including Easter Island, the Marquesas, Tahiti, New Hebrides, New Caledonia, and a number of smaller Islands. The author chronicles each location, describing the physical attributes as well as the inhabitants they met along the way. Forster accompanied Cook on the *Resolution* as naturalist. Because of a rancorous personal relationship, this and Cook’s own account of the voyage took on majestic competitive proportions.



\$ 5500.00

VERY POPULAR TRAVEL JOURNAL TO CHINA

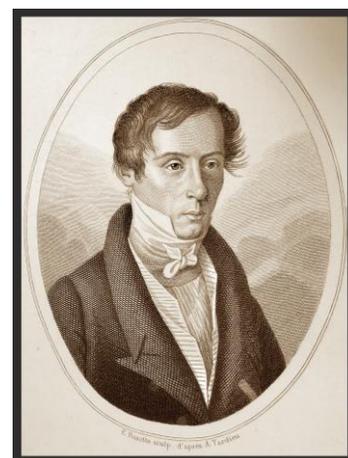
47. **FORTUNE, Robert.** *A residence among the Chinese: inland, on the coast, and at sea, being a narrative of scenes and adventures during a third visit to China, from 1853 to 1856.* London: John Murray, 1857. 8vo. With 5 full-page engravings and 17 text illustrations. Original blind-stamped cloth. **First edition.** Fortune was a brilliant Scottish botanist famed for his travels throughout Asia. He is credited for introducing Chinese tea plants to India, and for bringing many exotic plant species to European gardens, including kumquats, orchids, and chrysanthemums. He claims this colorful travel-journal includes the first “English eye-witness” account of silk production. Unlike his previous books, this text has an additional sociological narrative, addressing the recent political turmoil at Canton, religious and daily customs, climate, geography, and cultural production, among other topics.



London and elsewhere in a journey to various parts. \$ 550.00

BEHAVIOR OF LIGHT

48. **[FRESNEL, Augustin]. SENARMONT, H.D.E.** *Oeuvres completes d'Augustin Fresnel.* Paris: Imprimerie Impériale, 1866-1870. Three volumes. 4to. Complete with half-titles, frontispiece portrait, errata, and 20 plates, including 1 large coloured folding map, text illustrations throughout. Contemporary half calf over pebbled boards. **First and only edition** of Fresnel’s collected works, which also contain much of his correspondence and a eulogy by his colleague, Francois Arago, which is still to this day one of the most complete accounts of Fresnel’s life. Given that he primarily published in journals, this collection is an invaluable resource for the fields of engineering and physics, finally bringing together Fresnel’s essential work on optics and refraction.



\$ 3000.00

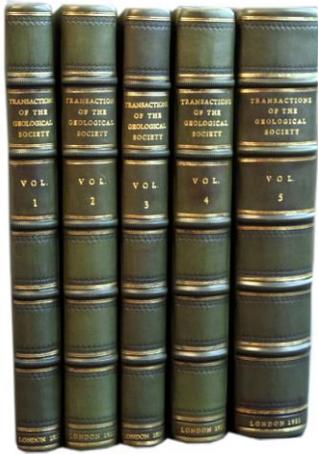
RECONCILING ASTROLOGY WITH THE NEW ASTRONOMY



49. **GARIBUS, Ioannis.** *De phoenomenis ostentis, ab anno MDCXLI ad MDCL. Opusculum d. Ioannis Garibi. philosophiae, ac astrologiae periti. Cum interpretationibus clarissimorum Virorum Leonardi Busseri Louanien., Clauddi Lamberti Burgundi, Sancieri de Huerta Vallisoletani, Christophori Brahae Dani.* Venetiis, Apud Iuntas, 1651. 4to. With a beautiful title vignette, 10 full-page woodcuts, and historiated and decorated initials throughout. Italian blocked printed paper over boards. **First edition** of a great rarity that brings together elements of astronomy with traditional astrology. Each of the ten magnificent wood block prints depicts a celestial phenomenon that occurred between 1641-1650, including the year, the reigning constellation and event itself, told through memorable emblematic visual imagery. \$ 21,500.00

CHIEF WORK ON CELESTIAL MECHANICS

50. **GAUSS, Carl Friedrich.** *Theoria motus corporum coelestium in sectionibus conicis solem ambientium.* Hamburg: Perthes & Besser, 1809. 4to. Nineteenth-century half morocco over pebbled cloth. **First edition,** a classic of astronomy and mathematics. Gauss here introduced the principle of curvilinear triangulation and the four formulae in spherical trigonometry known as “Gauss’s Analogies,” by which he was able to accurately calculate and predict orbit location. \$ 4500.00

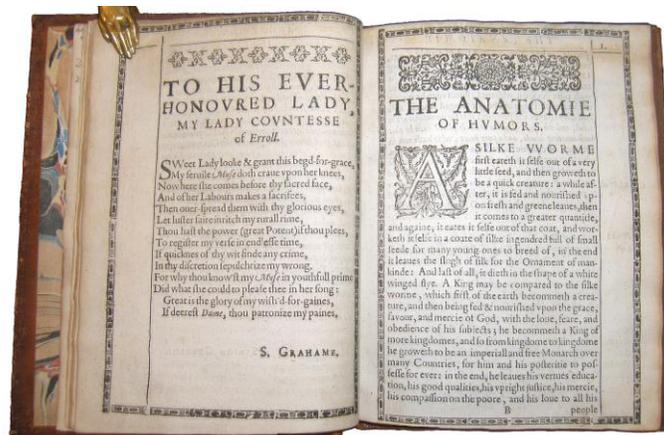


FOUNDATIONAL WORKS IN GEOLOGY

51. GEOLOGICAL SOCIETY OF LONDON. *The transactions of the Geological Society of London.* London: William Phillips, 1811-1821. Five volumes. 4to. With 70 maps and plates. Full calf; a splendid copy. **First edition** of the first five volumes, the complete first series. During this period the *Transactions* featured almost 350 papers by authors such as William Buckland, Richard Owen, Roderick Murchison, Adam Sedgwick, John Davy, J.S. Henslow, Richard Bright, David Brewster, and William Conybeare, many of which have become classics. \$ 8500.00

RARE ORIGINAL OFFPRINT OF GÖDEL’S PROOF

52. GÖDEL, Kurt. “Über formal unentscheidbare Sätze der Principia Mathematica und verwandter Systeme I.” Offprint from *Monatsheften für Mathematik und Physik*, XXXVIII, Band I. Leipzig: Akademische Verlagsgesellschaft, 1931. 8vo. Original printed back wrapper; front wrapper in facsimile (from the copy owned by Princeton University, with *Überreicht vom Verfasser* printed on top). **First edition** of the first printing of Gödel’s Proof, the single most celebrated result in mathematical logic. This paper, *On Formally Undecidable Propositions* (Gödel’s Incompleteness Theorem), in which he proved that arithmetic was incomplete, is of legendary rarity. \$ 55,000.00



THE PRECURSOR TO BURTON’S ANATOMY OF MELANCHOLY

53. GRAHAME, Simion. *The Anatomie of Humors.* Edinburgh: Thomas Finlason, 1609. 4to. Tipped in before the title is a leaf of early manuscript dealing with the history of this book. A handsome copy in nineteenth-century russia. **First edition** of the original printed treatise, exceedingly rare, describing the melancholy or humors of man. Like so many other writers on the subject, including Bright and Burton, Grahame’s inducement was due in great part to his own experiences with depression and melancholy. It is interesting to note that many historians feel that this book was the major source of inspiration and indeed the original suggestion for Burton’s *Anatomy of melancholy*, which is considered the greatest medical treatise ever written by a layperson. \$ 45,000.00

EXTRAORDINARY STUDY OF GIANTS AND DWARVES

54. GREVE, **Wilhelmus**. *Natuur en geschiedkundige verhandeling over de reuzen en dwergen*. Amsterdam: J.C. Sepp & Zoon, 1818. 8vo. Complete with 7 colored plates plus a large folding plate depicting shoe sizes. Original printed paper boards. **First and only edition** of this extraordinary study of giants and dwarves,



an extremely valuable insight into the medical conditions of gigantism and dwarfism in the early 1800's. Descriptions of giants had existed in lay literature for millennia, but it was not until nearly seventy years after Greve that Pierre Marie, in 1886, established the term "acromegaly," a distinct clinical diagnosis with clear descriptions in two patients with the abnormalities present. The plates show a variety of historical and contemporary giants and dwarves

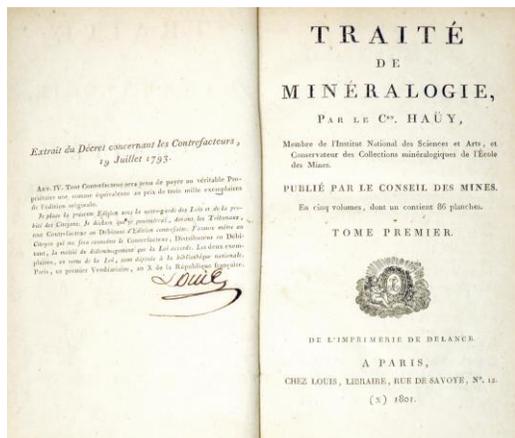
and their heights, including Goliath van Garh (8' 9"), Klaaus van Kijeten (8' 6"), Jacob de Reus (2' 9"), and Nicolaas de Ferry (2' 5"). Also included is the often lacking final plate depicting the obese 10-year child, Janna Drabbe, weighing in at 300 pounds. This work is one of the earliest to describe primordial dwarfism medically. \$ 3500.00



THE GREATEST ENGLISH MATHEMATICIAN AFTER NEWTON

55. [HAMILTON, **Sir William Rowan**]. CONWAY, **A. W.** and J. L. Synge, eds. *The mathematical papers of Sir William Rowan Hamilton*. Cambridge: Cambridge University Press, 1931, 1940, 1967. Three volumes. 4to. Blue cloth, gilt spine. **First edition** of the extremely important collected works of Hamilton. This set compiles his most important publications on geometrical optics (Volume I), dynamics (Volume II), and algebra (Volume III). \$ 1000.00

MOLECULAR STRUCTURE OF CRYSTALS



56. HAÜY, [Rene Just]. *Traité de minéralogie*. Paris: Chez Louis, 1801. Five volumes (4 volumes 8vo. text & oblong 4to. atlas). Complete with all errata and half-titles, and 86 leaves of plates. Tucked into one of the volumes is a letter intended for a "Monsieur Cloez," written on the letterhead of the École Imperiale Polytechnique and dated 1859. The recipient was probably the French chemist François Stanislas Cloez (1817-1883), founder of the Chemical Society of France and an important player in the development of analytical chemistry in the nineteenth century. **First edition** of "the author's most important work, containing his discovery of the geometrical law of crystallisation, known by his name, and of piezo-electricity" (Zeitlinger). The atlas,

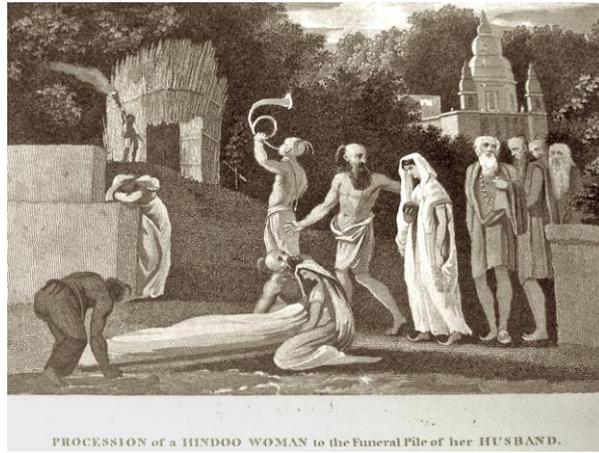
often lacking from the set, visually demonstrates Haüy's groundbreaking work on the molecular structure of crystals in an elegant arrangement showing hundreds of geometric figures. \$ 5000.00

ENABLING LONG-DISTANCE TELEPHONE SERVICE

57. HEAVISIDE, Oliver. *Electrical papers.* New York and London: Macmillan and Co., 1894. Two volumes. 8vo. Text illustrations. Original publisher's cloth; an exceptionally good copy. **Scarce second edition** of Heaviside's collected works in all aspects of practical and theoretical electricity. He deals with "theoretical aspects of problems in telegraphy and electrical transmission, making use of an unusual calculatory method called operational calculus, now better known as the method of Laplace transforms, to study transient currents in networks" (*Encyclopedia Britannica*). \$ 1500.00

HERTZ' COLLECTED WORKS

58. HERTZ, Heinrich. *Gesammelte Werke.* (I). *Schriften vermischten inhalts*; (II). *Untersuchungen über die ausbreitung der elektrischen kraft*; (III). *Die prinzipien der mechanik in neuem zusammenhange dargestellt.* Leipzig: Johan Ambrosius Barth, 1895–1894. Three volume. 8vo. With frontispiece portrait and large folding plate in first volume, 40 text illustrations in second volume. Volumes I and II in half calf over marbled boards, Volume III in calf-backed pebbled boards; generally a good clean set from the library of Stillman Drake. **First edition** of the collected works by Hertz. The first volume contains twenty-two of Hertz' papers published in various journals between 1880 and 1891. The second volume contains the second edition of his papers on electric waves, *Untersuchungen ueber die Ausbreitung der elektrischen Kraft*, originally published in 1892. Volume III contains the actual first printing of *Die prinzipien der mechanik*, one of the classic works of nineteenth-century philosophy of science. \$ 850.00

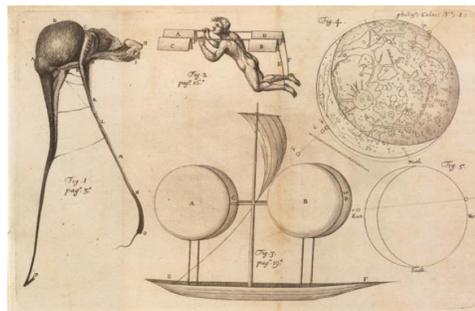


EXQUISITE LANDSCAPES OF INDIA

59. HODGES, William R.A. *Travels in India, during the years 1780, 1781, 1782, and 1783 . . . The second edition, corrected.* London: printed for the author and sold by J. Edwards, 1794. 4to. Large folding engraving ("A Map of Part of Bengal and Bahar with the provinces of Benares, Allahabad, Oude and Agra) plus 14 engraved plates. **(bound after) KNIGHT, Richard Payne.** *The Landscape, a didactic poem. In three books. Addressed to Uvedale Price, Esq.* London: printed by W. Bulmer . . . and sold by G. Nicol. . . ., 1794. 4to. With 3 plates. Contemporary tree calf. **I. Second edition**, first printed the prior year. The plates to this account were engraved after the sketchbooks kept by Hodges, the first professional British landscape painter to visit India. **II. First edition.** The publication of *The landscape* resulted in a public controversy, in part for its critique of the landscape architectural styles of Capability Brown and Humphrey Repton, but more for the author's skeptical viewpoint and liberal politics. The author was dubbed by Horace Walpole as "the Knight of the Brazen Milk-Pot" (after the small brazen pot, plate III) and vilified for an "insolent and self-conceited poem." \$ 2500.00

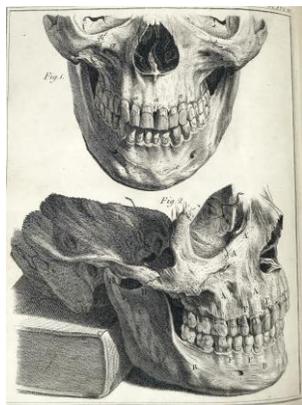
THE INTERIM PHILOSOPHICAL TRANSACTIONS

60. [HOOKE, Robert, ed.]. *Philosophical collections, containing an account of the physical; anatomical, chymical, mechanical, astronomical, optical, or other mathematical and philosophical experiments and observations as have lately come to the publisher hands.* . . . London: [John Martyn], Moses Pitt, and Richard Chiswell, 1679–82. Seven issues (all published) in one volume. 4to. With 7 engraved plates. Contemporary marbled boards.



First edition of the complete *Philosophical collections*, printed in a very small edition, and now exceptionally rare. The death of the Royal Society’s secretary, Henry Oldenburg, in 1677 interrupted the publication of the *Philosophical transactions*. These scientific papers, edited by Hooke, were issued to fill the void until it resumed again in 1682. Included are contributions by Hooke, as well as Leeuwenhoek’s announcement of the “discovery of spermatozoa”; Lana’s “flying chariot”; Tyson’s *Anatomy of a porpess* (sic); and astronomical observations by Hevelius, Flamsteed, and Cassini on the eclipse of Jupiter by the moon in 1679 and 1681. In addition, discoveries by Moxon, Malpighi, Thomas Burnett, Edmund Halley, Bernoulli, and Leibniz are included.

\$ 24,000.00



61. HUNTER, John. *A natural history of the human teeth: explaining their structure, use, formation, growth & diseases. (bound with) A practical treatise on the diseases of the teeth intended as a supplement to the natural history of those parts.* London: J. Johnson, 1771; 1778. Two works in one. 4to. Complete with the rare half-titles to both parts. With 16 copperplates, each with printed explanation leaf. Full calf in a contemporary style. **First edition** of each work. Classics in the history of dentistry, Hunter correctly described “the growth and development of the jaws and their relation to the muscles of mastication,” and was the first to recommend complete removal of the pulp in filling teeth. These two books “revolutionized the practice of dentistry and provided a basis for later dental research.

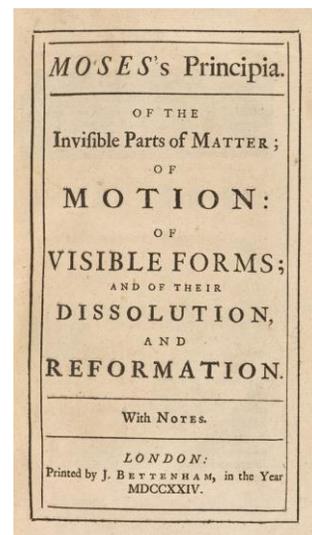
\$ 7500.00

BIRTH OF THE HUTCHINSONIAN MOVEMENT

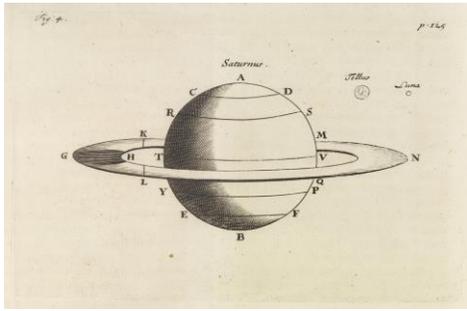
62. [HUTCHINSON, John]. *Moses’s principia. Of the invisible parts of matter; of motion: of visible forms; and of their dissolution, and reformation.* With notes. London: J. Bettenham, 1724.

(bound with) *Moses’s principia. Part II. Of the circulation of the heavens. Of the cause of the motion and course of the earth, moon, &c. Of the religion, philosophy, and emblems of the heathens before Moses writ, and of the Jews after. In confirmation of the natural history of the Bible. With notes.* London: J. Bettenham, 1727. 8vo. Contemporary calf.

(offered with) [HUTCHINSON, John]. *An essay toward a natural history of the Bible, especially of some parts which relate to the occasion of revealing Moses’s principia.* London: J. Bettenham, 1785. 8vo. Contemporary calf. **First editions.** During the period after publication of Newton’s *Principia*, and after it became more widely read, the number of groups of thought in opposition were many, and for various reasons. The major issue was theology; the *Principia* seemed to “undermine traditional doctrines of the Christian religion.” It is in Hutchinson’s work, *Moses’s Principia*, that he attempts to defend his interpretation of the cosmology of the Bible against that of Newton and Dr. Samuel Clarke, who publicized Newton’s ideas in the Boyle lectures. Hutchinson also attacked Clark for his heterodox views on the Trinity as well as for his Newtonian natural philosophy.



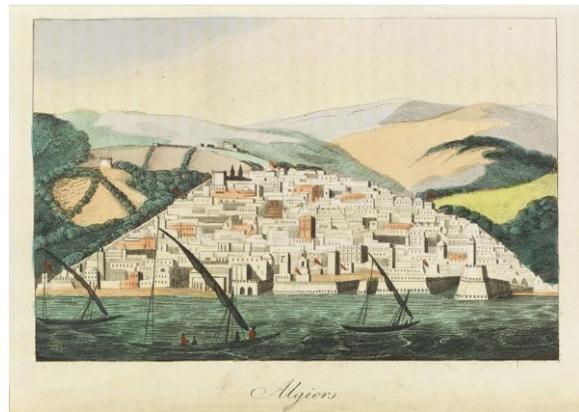
\$ 2500.00



63. HUYGENS, Christian. *Opera reliqua.* (with) *Opera posthuma.* Amsterdam: Janssonio-Waesbergios, 1728. Two works in one. 4to. With 58 folding engraved plates. Contemporary calf. **First edition.** The present volumes contain Huygens' works on gravity and accelerated motion, the laws of elastic bodies, and the undulatory theory of light, certainly one of his most important achievements. Also included are his tracts on optics, instructions on grinding lenses for telescopes, and a description of the Planetary Automate machine he constructed portraying the movements of the solar system. \$ 8500.00

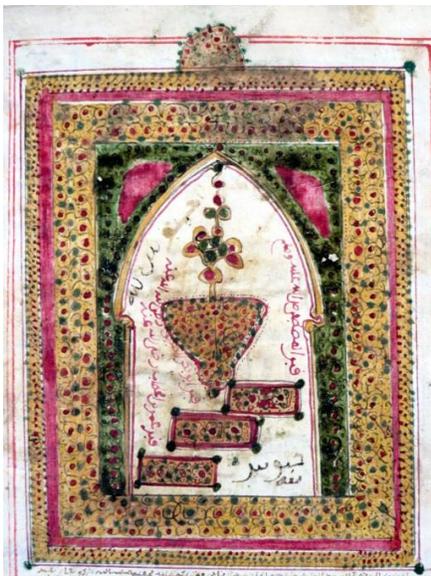
FASCINATING STUDY OF NORTH AFRICA

64. JACKSON, G. A. *Algiers: being a complete picture of the Barbary States: their government, laws, religion and natural productions: and containing a sketch of their various revolutions, a description of the domestic manners and customs of the Moors, Arabs, and Turks: an account of the four great capitals of Algiers, Tripoli, Tunis, and Morocco: and a narrative of the various attacks upon Algiers by the European states.* London: R. Edwards, 1817. 8vo. With 10 hand-colored plates, including the fine folding map facing the title. **First and only edition.** Jackson describes the inhabitants, customs, and religions of the Berbers, Arabs, Moors, Turks, and Jews of the Barbary States. Of particular interest are his accounts of slavery in the area. \$ 3500.00



MANUSCRIPT PRAYERS FOR THE PROPHET

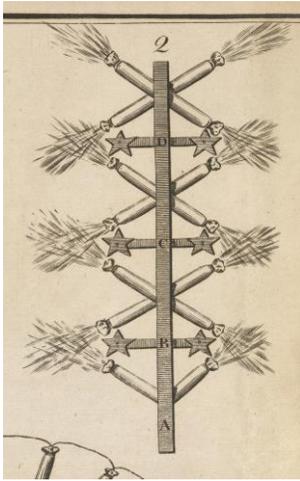
65. JAZULI, Muhammad ibn Sulayman al. *Prayer Manual of Blessings and Enlightenment invoking the Prophet* (title translation). In Maghribi script. North Africa, [circa. 19th century]. 4to. Text in coloured inks with schematic sketches of the mausoleum, geometric headings and ornamentalions, several leaves with marginalia and inscriptions (one mentioned al-Amir al-Hajj' Abd ak-Qudir al-Sharif al Husayni as an owner). Other seals and written notes unable to trace. Contemporary blind-stamped morocco wallet binding. Colophon contains much information about the manuscript and the author. The text is the work of the 15th-century Moroccan Sufi al-Jazuli. According to his biographers, he was descended from the Prophet, like all founders of religious orders. The manuscript comprises a collection of prayers for Muhammad, a very popular work in North Africa, Turkey, and the Levant, where "the book was used as an amulet or charm, and when hung up in a house or carried on the person could be the bearer of good fortune." \$ 1800.00



THE LOGICAL MACHINE

66. JEVONS, William Stanley. *The principles of science: a treatise on logic and scientific method.* London: Macmillan & Co., 1874. Two volumes. 8vo. Frontispiece woodcut of the author's logical machine and text diagrams. Original cloth. **First edition** of the author's most valuable contribution to logic and methodology. Considered a landmark in the philosophy of science, this work contains practically all of the author's fundamental ideas on logical doctrine, including his investigation of the principles of pure logic, analysis of induction, and discussion of the theory of probability and the relation between probability and induction.

\$ 1800.00



EVERYTHING ABOUT FIREWORKS

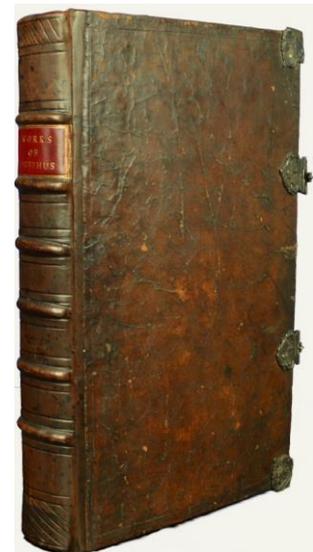
67. JONES, Captain [Robert]. *Artificial fireworks, improved to the modern practice, from the minutest to the highest branches . . . Also, Mr. Muller's fireworks, for sea and land service. . . .* London: Printed for J. Millan, near Whitehall, 1776. 8vo. Complete with all 11 folding plates. Wrappers; the paste-down also contains handwritten annotations of three "Recipes not mentioned in this book" from 1795. **Second edition, corrected.** An outgrowth of the early fire-festivals, pyrotechnic displays were used for both peace and war beginning in the seventeenth century. Many books about the mechanics of such displays appeared during this time, but Jones's work "is the first book dealing exclusively with recreational fireworks in English since Babington's classic work of 1635" (Philip). This 1776 edition includes 3 additional folding plates not found in the first edition.

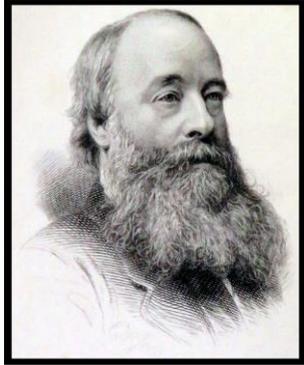
\$ 1250.00

CLASSIC HISTORY OF THE JEWISH PEOPLE WITH INTERESTING PROVENANCE

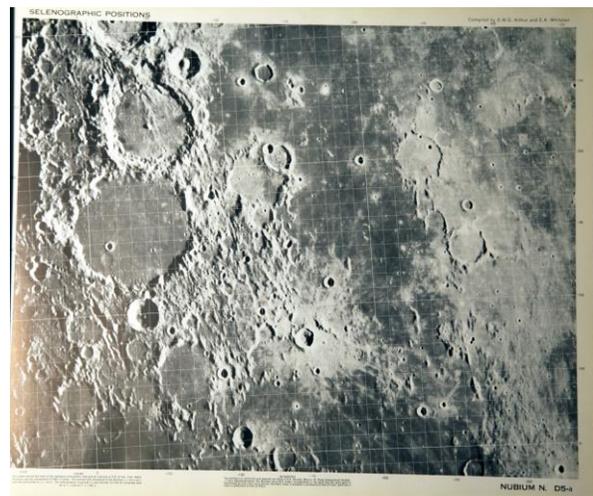
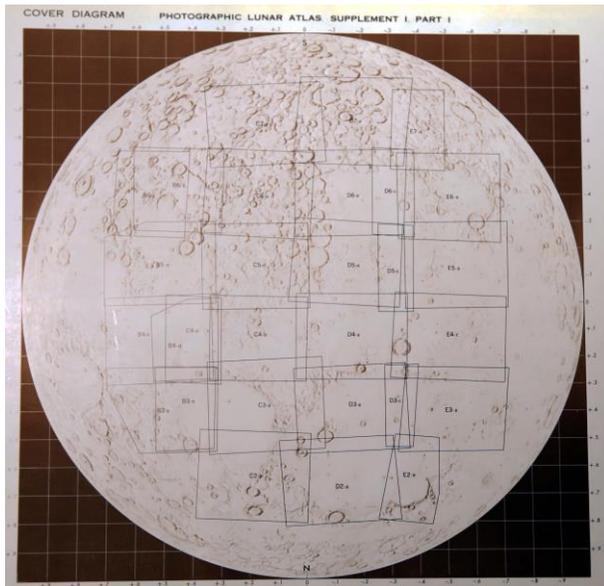
68. JOSEPHUS [Flavius]. *The famous and memorable workes of Iosephus, a man of much honour and learning among the Iewes. Translated out of the Latin and French by Thomas Lodge, Doctor in Physicke.* London: Printed by J[ohn] L[egat] for Simon Waterson, 1632. (**bound with**) *The lamentable and tragicall history of the wars and utter ruine of the Iewes, comprised in seven bookes by Flavivs Iosephvs, the sonne of Matthias.* London: Printed for Andrew Hebb, 1632. Folio. Contemporary calf with metal-hinged bosses and clasps engraved "Geo. Godfrey Pearce 1884." Provenance described on recto of flyleaf handwritten by Major George Godfrey Pearce of the Royal Artillery dated October 28th, 1884. Signature of Edward Tucker-Steward, Rector of Wem, Shropshire, dated December 23, 1797, as well as a list of authors mentioned in the book. Pearse's armorial bookplate, later bookplate of Claire Allen dated July, 1931, Los Angeles. Originally published in 1602, Lodge's translation is the first English printing of Josephus, of which this is the fourth edition; all printings in English by Lodge are rare. This work is paramount for Jewish history as it is known today, and one of the few "classical" Jewish accounts written during a period dominated by Christian chronicles.

\$ 3000.00





69. JOULE, James Prescott. *The scientific papers.* London: The Physical Society of London, Taylor & Francis, 1884; 1887. Two volumes. 8vo. Frontispiece portrait, 7 plates, 1 large folding table, and numerous text illustrations. Original cloth. **First edition** of Joule's collected works, containing the first appearance in a book of his most valuable paper, *On the caloric effects of magneto-electricity*, as well as his famous treatise, *The mechanical value of heat*. The first volume records the research for which he alone was responsible, while the second volume includes a number of projects he carried out in association with Scoresby, Playfair, and William Thomson. \$ 850.00

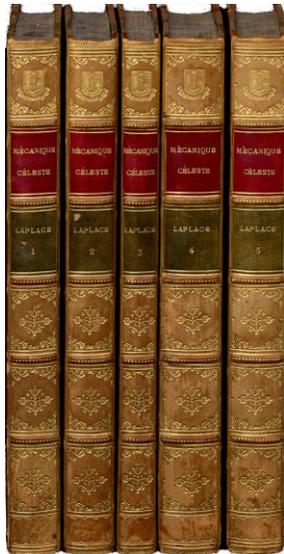
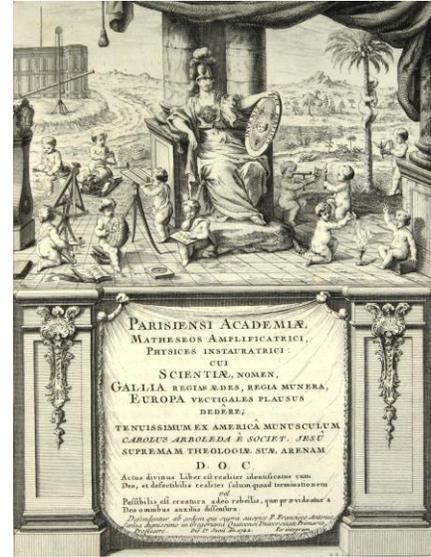


**LIMITED EDITION FOR GOVERNMENT USE ONLY
THE GREAT LUNAR PHOTOGRAPHIC ATLAS WITH BOTH SUPPLEMENTS
OPENING THE WAY FOR THE APOLLO 11 MOON LANDING**

70. KUIPER, G.P. *Lunar atlas.* St. Louis: Aeronautical Chart and Information Center, Air Photographic and Charting Service, United States Air Force, 1960. Elephant folio. With 281 photographs on 230 sheets. Bound in the original blue cloth. **This is the true first edition**, made by the United States armed forces and authorized for government use only. The purpose of the atlas was to provide the United States government with the most complete and best photographic coverage of the moon. These photographs proved to be invaluable for the planning and operational stages of later spacecraft missions to the moon. **(offered with)** *Orthographic Atlas of the Moon. Supplement Number One to the Photographic Lunar Atlas.* Tucson: University of Arizona Press, 1960. Elephant Folio. With 31 plates. Red cloth. **First edition** (Edition A), showing the standard orthographic coordinate grid with the best photos for each of the 44 fields in the earlier atlas. These photographs of the central portion of the lunar disk excludes the limb zones. **(offered with)** *Rectified Lunar Atlas. Supplement Number Two to the Photographic Lunar Atlas.* Tucson: University of Arizona Press, 1963. Elephant Folio. With 145 plates (72 double-sided). Blue Cloth. **First edition** of the second supplement. The *Rectified Lunar Atlas* showed each limb area as seen from directly overhead. Since this was made before lunar orbiters flew it was necessary to create it by projecting telescopic images of the Moon onto a large white sphere and then re-photographing the sphere from directly over the area of interest. Without the efforts of the team of astronomers who created these three atlases, the July 20, 1969 landing of Apollo 11 on the moon could not have occurred. \$ 4500.00

DETERMINING THE CORRECT SHAPE OF THE EARTH

71. LA CONDAMINE, [Charles Marie de]. *Journal du voyage fait par l'ordre du roi, à l'équateur, servant d'introduction historique à la mesure des trois premiers degré's du méridien. (offered with) Mesure des trois premier degré's du méridien dans l'hémisphère Austral, tirée des observations de M.rs de l'académie royale des sciences, envoyés par le roi pour l'équateur.* Paris: De L'Imprimerie Royale, 1751. Two volumes. 4to. With 6 engraved plates, including the map of Quito, in the first work, and 3 plates in the second work. Contemporary tree calf. **First edition** of the account of the scientific expedition to the equator sponsored by the Academie des Sciences. The purpose of this expedition, as well as a second group sent to Lapland, was to measure an arc of the meridian both at the equator and at the Arctic Circle in order to settle a controversy over the shape of the earth. \$ 8500.00



72. LAPLACE, Pierre Simon de. *Traité de mécanique céleste.* Paris: L'Imprimerie de Crapelet, Chez J. B. M. Duprat, 1799-1827. Five volumes. 4to. Complete with folding plate in Volume 4, all half titles and errata; with an extra errata leaf in Volume 4, uncalled for by Horblit. Volumes I and II printed on paper watermarked "Mecanique Celeste." Contemporary polished tree calf, gilt spine; a fine set. **First edition** of the author's monumental work, in which all the laws of planetary motion are deduced from the concept of universal gravity. He argued that the universe was really a great self-regulating machine and that the whole solar system could continue on its existing plan for an immense period of time. \$ 19,500.00

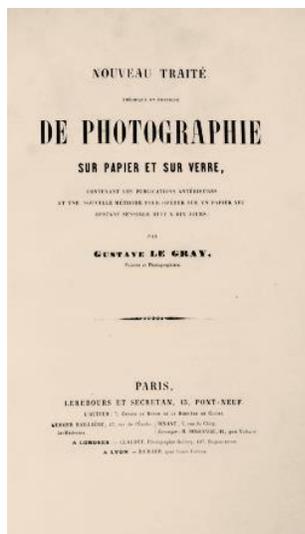
EVIDENCE OF PRE-HISTORY IN PALASTINE

73. LARTET, Louis. *Exploration géologique de la Mer Morte de la Palestine et de l'Idumée.* Paris: Arthus Bertrand, [ca. 1876-1877]. Folio. With 14 plates (4 double-page and in color) and text illustrations. Later half-morocco over marbled boards. **First and only edition** of this extremely rare work on the geology and paleontology of the Dead Sea and its environs, considered the most complete survey of the area's prehistory available at the time. \$ 12,000.00



FIRST EDITION AND COMPLETE

74. [LAW]. BLACKSTONE, Sir William. *Commentaries on the Laws of England.* Oxford: Printed at the Clarendon Press, 1765, 1766, 1768, 1769. Four volumes. 4to. With all appendices and index, plus the engraved "Table of Consanguinity" and folding "Table of Descents" in Volume II. Modern half-morocco and cloth boards, spine gilt in 6 compartments, a.e.g. **First edition** of the author's great history of English law. *Printing & the Mind of Man*, 212. \$ 25,000.00



THE MOST IMPORTANT PHOTOGRAPHER OF THE 19TH CENTURY: FIRST EDITION

75. LE GRAY, Gustave. *Nouveau traité théorique et pratique de photographie sur papier et sur verre, contenant les publications antérieures et une nouvelle méthode pour opérer sur un papier sec restant sensible huit à dix jours.* (bound after) *Nouveau traité théorique et pratique de photographie sur papier et sur verre. . . .* (bound with) *Supplément au catalogue de 1846 et prix-courant contenant les appareils les plus nouveaux de Lerebours et Secretan.* Paris: Germer Baillièere, etc., Juin, 1850; Paris: Lerebours et Secretan, [1851]; [Paris: Lerebours et Secretan], Janvier, 1850. 8vo. The catalogue contains numerous illustrations of photographic and related equipment. Contemporary half-calf and marbled boards. **The rare first edition** of Le Gray's influential manual including instructions on the preparation of waxed-paper negatives, together with the greatly expanded second edition and an early and substantial catalogue of cameras and photographic equipment from the leading retailer of the period. \$ 15,000.00

DISCOVERY OF THE PLANET NEPTUNE

76. LE VERRIER, Urbain Jean Joseph. 9 offprints or issues, all in original printed wrappers. **First editions, first printings.** These publications represent the cumulative work of Le Verrier's prediction of the existence of the then unknown planet Neptune, using only mathematics and astronomical observations of the planet Uranus. A list of the titles, etc., will be provided upon request. \$ 7500.00

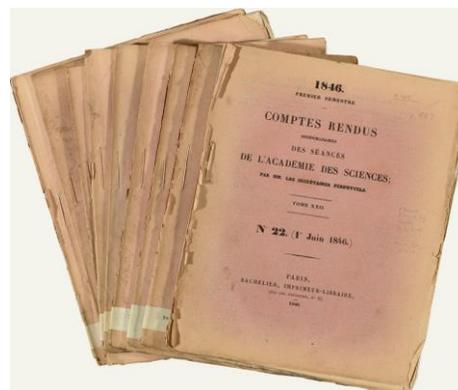


Fig. 90. — Ouverture de la boîte crânienne à la scie à main.



Fig. 100. — Dégagement de l'encéphale après section du bulbe.

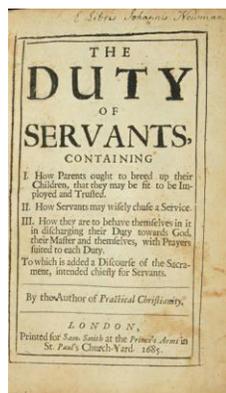
EVERYTHING YOU EVER WANTED TO KNOW ABOUT PERFORMING AUTOPSIES

77. LETULLE, Maurice. *La pratique des autopsies.* Paris: C. Naud. Edit., 1903. 8vo. With 136 text engravings. Contemporary red morocco-backed marbled boards. **First edition.** The absolutely necessary and most important step-by-step instructions to performing autopsies. The illustrations here are both startling and artistic, and of course offer the young medical examiner a complete guide to commencing and completing the complex process of autopsy. \$ 1500.00

PAYMENT DUE FOR LONGITUDE DISCOVERY

78. [LONGITUDE AND NAVAL ACTS]. *Anno Regni Georgii III...Decimo Tertio...; Anno Regni Georgii III...Decimo Quarto...; Anno Regni Georgii III...Decimo Sexto...; Anno Regni Georgii III...Decimo Octavo...; Anno Regni Georgii III...Vicesimo Primo...; Anno Regni Georgii III...Tricemsimo. . . .* London: Charles Eyre and William Strahan, 1773–1790. Eight works 4to. Disbound, and laid into a half morocco clamshell box. A group of Acts of Parliament relating to payment for the invention of a time-keeper for ascertaining longitude at sea, as well as other legislation for the benefit of the Royal Hospital for Seamen at Greenwich. The search for a solution to the longitude problem assumed legendary proportions. Parliament, in 1715, passed the Longitude Act which established a prize of £20,000 for the discovery and validation of a method for determining longitude at sea. Schemes proliferated. As we all know, London clockmaker John Harrison was finally awarded the full prize.

\$ 2500.00



“CHOOSING SERVICE”

79. [LUCAS, Richard]. *The duty of servants. . . .* London: Sam. Smith, 1685. 8vo. With an unrecorded title page, most likely an earlier issue. Full morocco in an antique style. **First edition** of this noteworthy treatise describing the religious and moral obligations of those who become servants. From responsibilities of the parents of children who know they will choose service as a livelihood to a servant’s responsibilities toward the children of the Master, we learn about life in service during the 17th century. Perhaps most interesting is the discussion of the relationship between servants.

\$ 5500.00

AN EXQUISITE COPY OF THE FIRST EDITION

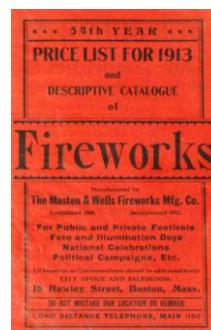
80. [MACQUER, Pierre Joseph]. *Dictionnaire de chymie, contenant la théorie & la pratique de cette science, son application à la Médecine & l'economie animale. . . .* Paris: Chez Lacombe, 1766. Two volumes. 8vo. Contemporary cats-paw calf binding with gilt edges. **First edition**, state B (see Neville). “By far the most important of Macquer’s works: there had been technical dictionaries before but this was the first dictionary of theoretical and general chemistry” (Duveen).

\$ 1650.00

LET THERE BE FIREWORKS

81. MASTEN & WELLS FIREWORKS MFG. CO. *Catalogue and price list of fireworks, flags, balloons, lanterns, Fourth of July goods, etc. for 1913.* Boston: Masten & Wells Fireworks Mfg. Co., 1913. 16mo. Text illustrations of fireworks throughout. Original red wrappers. Delightful early twentieth-century catalogue with descriptions and images of fireworks for sale, including prices.

\$ 400.00



REMARKABLE MATHEMATICS SAMMELBAND

82. [MATHEMATICS]. Six papers bound together. 8vo. Contemporary half-calf and marbled boards.

1. DEDEKIND, Richard. *Was sind und was sollen die Zahlen.* Braunschweig: Vieweg and Son, 1888. **First edition**, rare, of Dedekind’s important work on set theory. A follow-up to his epochal 1872 publication, *Stetigkeit und irrationale zahlen*, which gave the first rigorous definition of the system of real numbers and laid the foundation for much of modern day real analysis and point-set topology, he here elaborates on his attempts “to derive a purely logical foundation for arithmetic, and devised a number of axioms that formally and exactly represented the logical concept of whole numbers” (DSB).
2. FISCHER, Otto. *Konforme abbildung sphärischer dreiecke auf einander mittelst algebraischer funktionen.* Leipzig: von Metzger & Wittig, 1885. **First edition** of the author’s thesis on conforming images of spherical triangles by means of algebraic functions.
3. PHRAGMÉN, [Lars] E[dvard]. *Über die Berechnung der einzelnen Glieder der Riemann’schen primzahlformel.* Stockholm: Kongliga vetenskaps-Akademiens Förhandlingar, 1891. **First edition** of this

famous work on the calculation of the individual members of the Riemann prime number formula.

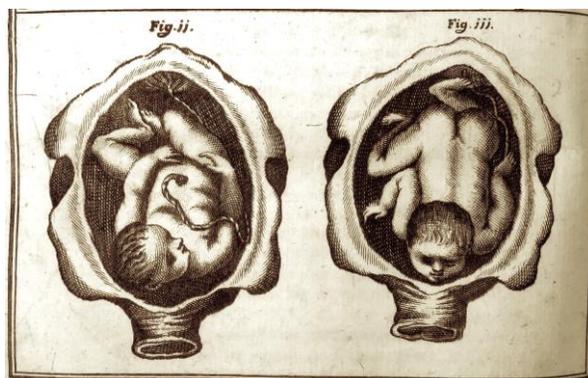
4. **NEUMANN, Carl.** *Ueber den Satz der virtuellen verrückungen; Ueber das princip der virtuellen oder facultativen verrückungen.* [Leipzig: von Breitkopf und Härtel, 1869]. **First editions** of two separate papers on virtual displacements.

5. **LERCH, M[atyaš].** *Contributions à la théorie des fonctions; Addition au mémoire présenté dans la séance du 15 Octobre* [Prag, 1886]. Two separate papers. **First printing** of Lerch's contributions to general mathematical functions. These papers are the first in a series dealing with the general theory of functions, the most significant of which constitutes construction of continuous functions having no derivative. With a 4 page letter containing mathematical symbols handwritten by Lerch to Karl Weierstrass tipped in.

6. **MÉRAY, [Hugues Ch[arles Robert].** *Théorie des radicaux fondée exclusivement sur les propriétés générales des séries entières.* Dijon, Darantiere, [1885]. **First edition** of Méray's famous work on radical theory based exclusively on the general properties of power series. Title page in manuscript signed by Méray and dated Dijon, 1891. Annotations throughout. \$ 10,500.00

GRACEFUL WOODCUTS

83. **MATTIOLI, Petri Andreae.** *Commentarii denuo aucti in libros sex Pedacii Dioscoridis Anazarbei de Medica Materia. (bound with) Apologia adversus amathum lusitanum.* Lyon: Gabriel Cotier, 1562. 4to. With 640 text woodcuts, some in contemporary hand-color; an excellent copy in contemporary calf with contemporary annotations. This edition from Coterius was apparently the only Latin edition printed in Lyon. The first Venetian edition was published in 1554 and contained nearly 100 fewer woodcuts. \$ 9500.00



ALL ABOUT OBSTETRICS INCLUDING THE PRACTICE OF MIDWIFERY

84. **MELLI, Sebastiano.** *La comare levatrice istruita nel suo ufizio secondo le regole più certe, e gli ammaestramenti più Moderni.* Venice: Gio. Battista Recurti, 1750. 4to. With 20 plates (many with numerous figures). Contemporary vellum; an uncut copy with contemporary manuscript notes on the last blank leaf. **Third edition, greatly enlarged.** An important obstetric work which became a major reference in Italy throughout the nineteenth century. In the first part the author describes the female anatomy and that of conception. He goes on to discuss signs of virginity, fertility, and sterility. Additional sections deal with the unnatural birth, difficult labor, and abortion and the law, with an interesting explanation of the extraction of the placenta and Caesarean section. Of particular interest, however, is a section on midwifery and the practice thereof. In a very forward-thinking manner, Melli states that midwives should not be practicing medicine as such, but should focus on their own field and should be able to work on their own, outside the supervision of a physician. \$ 3500.00



INVENTION OF THE CALCULUS

89. NEWTON, Sir Isaac. *The method of fluxions and infinite series; with its application to the geometry of curve-lines . . . To which is subjoin'd, a perpetual comment upon the whole work, consisting of annotations, illustrations, and supplements, in order to make this treatise a compleat institution for the use of learners.* London: Printed by Henry Woodfall; and sold by John Nourse, 1736. 4to. With engraved frontispiece, interpolated leaf, and leaf containing errata on the recto, publisher's advertisements on the verso. Paneled sprinkled calf in a contemporary style; a large paper copy with very wide margins, a few contemporary annotations. **First edition** of Newton's treatise on the calculus, a work of great importance and rarity. Ready for publication in 1671, it was not until 1736 that *Method of fluxions* was finally published in the present English translation by John Colson, who added a lengthy commentary. \$ 60,000.00

THE FIRST AND FIFTH SOLVAY CONFERENCES TWO VOLUMES, BOTH FIRST EDITIONS

90. [NOBEL SCIENTISTS]. LANGEVIN, P. & DE BROGLIE, M. (Editors). *La théorie du rayonnement et les quanta.* Paris: Gauthier-Villars, 1912. 8vo. Recent cloth. From the library of Martin J. Klein, professor of the history of science at Yale, and the first recipient of the Abraham Pais Prize for the History of Physics. **First edition.** The publication that resulted from the first invitation-only Solvay Conference of 1911 contains papers presented by Einstein ("L'état actuel du problème des chaleurs spécifiques; Weil, 52), Sommerfeld, Langevin, Nernst, Marie Curie, Perrin, Planck, Rubens, Warburg, Jeans and Lorentz ("Sur l'application au rayonnement du théorème de l'équipartition de l'énergie"), among others. This conference on radiation and quanta examined applications from classical physics as well as quantum theory, and introduces a number of new concepts surrounding current theoretical and experimental work. (**offered with**) *Électrons et photons.* Paris: Gauthier-Villars, 1928. 8vo. Recent cloth. **First edition.** The fifth Solvay conference was perhaps the most famous, as it included luminaries such as Einstein, Bohr, Bragg, Compton, Dirac, Schrodinger, Curie, De Broglie and Heisenberg. This was also the beginning of the Bohr-Einstein debates, a series of public disputes about quantum mechanics. \$ 5200.00

THE RARE FIRST ISSUE WITH AN OUTSTANDING PROVENANCE

91. OSLER, Sir William. *The principles and practice of medicine. Designed for the use of practitioners and students of medicine.* New York: D. Appleton and Co., 1892. 8vo. With the publisher's catalogue in its first printing dated November, 1891. Original half morocco over pebbled cloth. From the library of John A. Blackwell, Civil War surgeon, noted writer and diarist, and a presentation inscription from C[harles] H[amilton] Hughes to Blackwell dated March 13, 1896. Hughes was the founder and editor of all 37 volumes of the journal *Alienist and Neurologist*. He was one of the youngest surgeons to receive a commission in the Federal army during the American Civil War. He was also the President of Barnes Medical College and an advocate for the creation of a public health department and the appointment of a medical representative in the president's cabinet. The annotations in this copy, in Hughes' hand, are located in the section on hysteria. **First edition, first issue**, with all points called for. Osler's textbook was considered the best English work on medicine of its time, and became a standard text for students and practitioners in every language and country in the world. \$ 6000.00

DEVELOPMENT OF CHILD NUEROLOGY

92. OSLER, William. *On chorea and choreiform affections.* London: H. K. Lewis, 1894. 8vo. Original cloth; an excellent, bright copy. **First edition.** Osler here provides an encyclopaedic view of chorea bolstered by his understanding and clinical experience with the varieties of involuntary movement. Of special interest is the appendix containing an analysis of seventy-three fatal cases of chorea minors. \$ 950.00

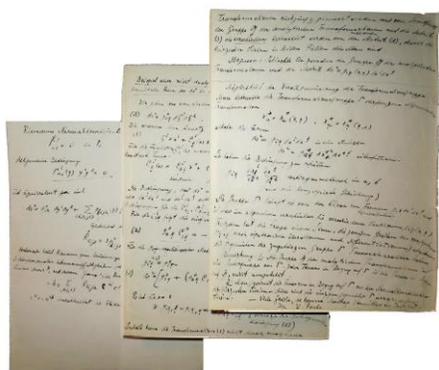
93. OWEN, Richard. Autograph letter signed. 3 pp. To zoologist Émile Blanchard, Hunterian Museum, College of Surgeons, London, July 27, 1849. Dealing with the nervous system of the nautilus. (together with) Autograph letter signed. 3 pp. To Comte Gustave d’Enzenberg and Mlle. Eliza du Mont de Soumagne, Sheen Lodge, Richmond Park, 14 June 1873. Discussing the loss of his beloved wife. Two letters by the foremost comparative anatomist of his time to some of his foreign colleagues. \$ 1200.00

THE EARLIEST SYSTEMATIC WORK ON FOSSILS

94. PARKINSON, James. *Organic remains of a former world. An examination of the mineralized remains of the vegetables and animals of the antediluvian world; generally termed extraneous fossils.* London: J. Robinson, etc., 1804, 1808, 1811. Three volumes. 4to. With frontispiece in each volume plus 50 hand-colored engraved plates. Volume III includes a list of references to the *Memoirs* of both Cuvier and Lamarck. Contemporary calf. **First edition.** Among many other areas, Parkinson includes a short history of paleontology, introduces the Linnean method of nomenclature to the field, and provides information on the use of amber, jet and silicified woods in the lapidary arts. \$ 5500.00



PAULI’S MANUSCRIPT FOR EINSTEIN



95. PAULI, Wolfgang. *Manuscript.* Three pages on two 8 ½ x 11 in. leaves. In German. Princeton, NJ: No later than 1945. The calculations in the first two pages relate to Einstein’s general theory of relativity. In a paper of June 19, 1945, Einstein had suggested a generalization of the mathematical foundations of general relativity, proposing to generalize the theory such that distances in space would be invariant (unchanging) not only under changes of the frame of reference (as in the original theory) but also under so-called Hermitian transformations. Pauli notes for Einstein (both were at the Institute for Advanced Studies at the time) that a restriction to Hermitian transformations is problematic, and he suggests an even more general transformation group, and thereby provides a generalization of the alleged structure of space and time that goes further than that proposed by Einstein in his 1945 papers. The third page, also in Pauli’s hand, is not directly related to the preceding pages, even though it, too, contains differential geometric calculations, related to curvature of spacetime and which paths through spacetime are the straightest ones. Thanks go to Dennis Lehmkuhl of the Einstein Papers project for his help with translation. \$ 65,000.00

96. PIUS II, PONT. MAX (formerly Aeneas Sylvius Piccolomini). *Epistolae familiares. De Duobus amantibus euryalo et Lucretia. Descriptio urbis Viennesis.* Nuremberg: Anton Koberger, 17 July 1486. 4to. Exquisite large initial in green, red and blue with gilt background, rubricated initials throughout. Contemporary calf, original clasps present, blind-stamped images of Jesus (front cover) and Mary (rear cover) in oval cartouches; contemporary annotations throughout. Second Koberger edition (first 1481). The letters addressed to friends and some short essays formed a collection of great popularity in the late fifteenth century. Piccolomini, or Pius II (1405–1464), the “Humanist Pope” was extremely well known, and his lively writings on a great variety of subjects, often secular, found a broad readership. Koberger (ca. 1440–1513) was a German printer who established the first press in Nuremberg in 1470. His landmark Nuremberg Chronicle, written by Schedel, was printed in 1493. Interestingly, Koberger was Albrecht Dürer’s godfather. \$ 9500.00

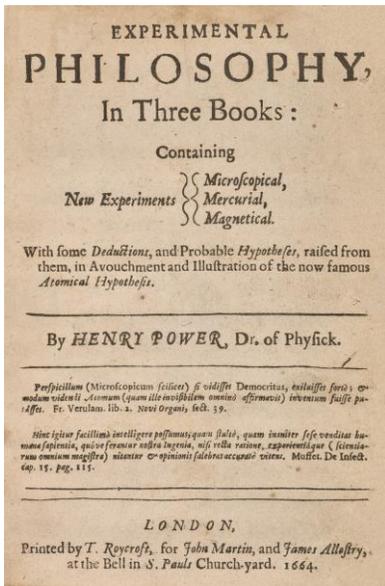




AN ENGLISHMAN GOES EAST

97. POCOCKE, Richard. *A description of the east and some other countries.* London: Printed for the Author, 1743–1745. Three volumes in two. Folio. Complete with 178 numbered plates. Contemporary crushed russia. Gilt arms and motto of the Earl of Cawdor, most likely John Frederick Campbell (1790–1860). **First edition.** This extraordinarily beautiful and elaborately illustrated two volume set records the author’s extensive journey to the Near East and Europe between 1737–1741. Volume I is devoted almost entirely to Egypt, while the second volume explores Palestine, Syria, Mesopotamia, Cyprus, and Candia (now Crete), as well as other regions of Western Europe. Like many illustrated travel accounts, the set includes several maps, but also provides important pictorial and textual descriptions of major archaeological and culturally significant sites. \$ 12,500.00

98. POISSON, Siméon Denis. *Traité de mécanique.* Paris: Courcier, 1811. Two volumes. 8vo. With 8 engraved plates. Contemporary calf-backed boards. **First edition.** Poisson’s text on mechanics focuses on statics, dynamics, hydrostatics and hydrodynamics. This work has been compared with Lagrange’s *Mécanique analytique* for its explanations of the mathematical mechanics of solids. \$ 750.00



THE FIRST ENGLISH WORK ON MICROSCOPY

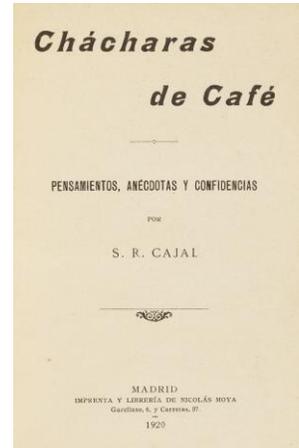
99. POWER, Henry. *Experimental philosophy, in three books: containing new experiments, microscopical, mercurial, magnetical. . . .* London: Printed for John Martin and James Allestry, 1664. Three parts in one. 4to. With text woodcuts and 1 folding plate. Full calf in an antique style, interior excellent. Bookplate of Coward College Library on the paste-down (Coward College was one of three dissenting academies that ultimately came together to form New College in London). **First edition, first issue** (without errata), of the first English book on microscopy, a year before the publication of Hooke’s *Micrographia*, whose comments are mentioned in the text. The book is divided into three parts: microscopical observations, mercurial experiments and magnetical experiments. Power details the microscopical world and his corpuscularian theory, the work of Italian physicist Evangelista Torricelli, and current experiments and theories related to vacuum. He further takes pains to refute the work of the anti-Copernican Jesuit Jacques Grandami. At the end is a short section entitled Subterraneous experiments: or, observations about coal-mines. \$ 10,500.00

100. [PRESIDENT] TYLER, John (1790-1862) 10th president of the United States. Document Signed. With engraved portrait. Washington, June 14th, 1844. 1 page. Partially printed, signed and dated by Tyler. Document authorizing the pardon of two female criminals. \$ 1200.00

PRESENTATION COPY

101. RAMÓN Y CAJAL, Santiago; SÁNCHEZ, Domingo. “Contribucion al conocimiento de los centros nerviosos de los insectos.” Offprint from *Trabajos del Laboratorio de Investigaciones biologicas de la Universidad de Madrid*, XIII, 1915. Madrid: Imprenta de Hijos de Nicolas Moya, 1915. 8vo. With numerous text illustrations and 2 folding color plates. Original printed wrappers. **First edition, first printing**, of this rare work by the father of neuroscience. A collaboration between Cajal and his brilliant student and colleague, Domingo Sánchez, they here examine the central nervous system of insects with particular attention to the retina and optic center of the brain. \$ 3500.00

102. RAMÓN Y CAJAL, Santiago. *Chácharas de café: pensamientos, anécdotas y confidencias.* Madrid: Librería de Nicolás Moyam, 1920. 8vo. Publisher’s burgundy cloth. **First and only edition**, very rare, of this book of meditations, often humorous, by Cajal, 1906 Nobel Prize recipient in medicine for work on the structure of the nervous system. These *chácharas* (“chitchats”) were born from Cajal’s participation in *tertulias* at Café Suizo, once a locus of Spanish culture where intellectuals gathered daily for lively discussion. These ruminations recall the dialogues of “philosophers ancient and modern, from Plato and Epicurus to Schopenhauer and Herbert Spencer; and we rendered enthusiastic veneration to evolution and its high priests, Darwin and Haeckel, and abominated the satanic arrogance of Nietzsche” (Cajal). Written towards the end of his life, the text is divided into vignettes and anecdotal ruminations throughout eleven chapters which cleverly muse over love, immortality, death, education, conversation, politics, morality, and many other topics. \$ 4500.00



FINDING OASES IN THE MIDDLE OF THE SAHARA

103. RICHARDSON, James. *Travels in the great desert of Sahara, in the years of 1845 and 1846. Containing a narrative of personal adventures, during a tour of nine months through the desert, amongst the Touaricks and other tribes of Saharan people; including a description of the oases and cities of Ghat, Ghadames, and Mourzuk.* London: Richard Bentley, 1848. Two volumes. 8vo. With 3 engraved plates, large folding map, and 24 text woodcuts. Contemporary half morocco and marbled boards. **First edition** of this account of Richardson’s first expedition to Africa. The idea, to reach the “celebrated Oasis of Ghadames . . . amidst the most appalling desolations of the Great Saharan Wilderness,” came to Richardson via the accidental reading of a brochure on a table in the Algiers public library. This glance resulted in a journey from Tunis and Tripoli in Libya to Ghadames and Ghat in the middle of the Sahara. Readers travel with Richardson and his group through cities, trader routes and more oases, learning the language, the culture, and the religion of the people whom they encounter. \$ 900.00

TESTIMONIALS BY WALPOLE, LORD CHESTERFIELD, AND OTHERS

104. **ROBERTSON, William.** *The history of Scotland, during the reigns of Queen Mary and of King James VI. Till his accession to the crown of England. With a review of the Scotch history previous to that period; and an appendix containing original papers.* London: A. Millar, 1759. Two volumes in one. 4to. Contemporary calf. **First edition** of what is considered to be the best and certainly the most popular account of the history of Scotland up to the beginning of the seventeenth century. \$ 1200.00

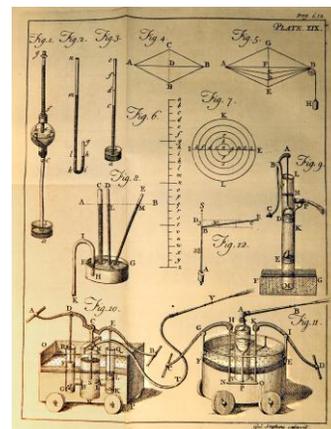


ORIGINAL OFFPRINTS OF THE INVENTION OF X-RAYS

105. **RÖNTGEN, Wilhelm Konrad.** -- *Eine neue Art von Strahlen.* 8vo. Original printed yellow wrappers. **(together with)** -- *Eine neue Art von Strahlen. II. Mittheilung (Fortsetzung und Schluss).* 8vo. Original orange printed wrappers. Two separate papers. Original offprints from *Sitzungs-Berichten der Physikalisch-medicinischen.* Preserved in a folding clamshell box. Würzburg: Stahel, 1895; 1896. **First edition** of the first published reports on the sensational discovery of X-rays -- a form of light invisible to the eye which had never before been observed. Röntgen was awarded the first Nobel Prize in physics in 1901. \$ 25,000.00

TEACHING SCIENCE AT CAMBRIDGE

106. **RUTHERFORTH, Thomas.** *A system of natural philosophy, being a course of lectures in mechanics, optics, hydrostatics, and astronomy.* . . Cambridge: Printed by J. Bentham, 1748. Two volumes. 4to. Complete with the rare subscriber's list, 31 engraved plates, and a fine folding map showing the oceans of the world. Contemporary tree calf. **First edition** of these popular lectures on natural philosophy dealing with mechanics, optics, oceanography, hydrostatics and astronomy. The engraved plates contain detailed mechanical diagrams, and the world map by Halley reveals the trade winds, the variations of the compass, and an inset map of the North Pole. \$ 1250.00



AN EPOCH-MAKING BOOK IN MEDICAL LITERATURE

107. **SEMMELWEIS, Ignaz Philipp.** *Die Aetiologie, der Begriff und die Prophylaxis des Kindbettfiebers.* Pest, Vienna, und Leipzig: C.A. Hartleben, 1861. 8vo. Contemporary cloth-backed marbled boards. **First edition** of one of the rarest of the great books in medicine. While a young Hungarian physician in the obstetric clinic in Vienna, Semmelweis noted the high rate of puerperal fever among patients attended by medical students who also worked in the morgue, as opposed to midwives, who were not permitted in the morgue. After initiating a policy that required all medical students to wash their hands before touching a pregnant woman, there was a significant decline in the mortality rate. He reported his findings to the Vienna Medical Society with overwhelming evidence to support his contention that the disease could be spread by attending physicians, however, his theory was violently rejected and resisted by the obstetricians of the day. \$ 35,000.00



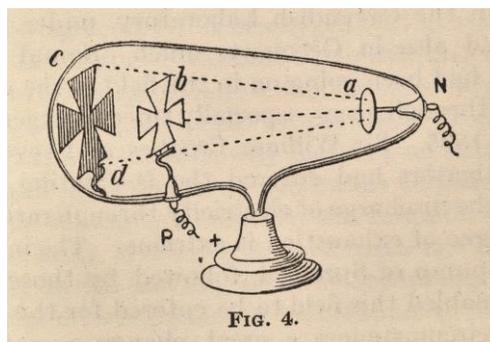
WITH KEULEMANS' CELEBRATED ILLUSTRATIONS

108. SHELLEY, George Ernest. *A monograph of the Nectariniidae, or family of Sun-Birds.* London: published by the author, 1876-1880. 4to. With 121 hand-colored lithographic plates by J.G. Keulemans. Half-crushed morocco. **First edition**, limited to 250 copies. "An excellent monograph of an interesting family of birds, with descriptions in Latin and English, critical notes, and discussions of habits, etc., from accounts by many different observers. A total of 138 species of the group are recognized" (Zimmer). \$ 24,000.00

THE MOST INFLUENTIAL 18TH CENTURY TEXT ON OPTICS

109. SMITH, Robert. *A compleat system of opticks in four books, viz. A popular, a mathematical, a mechanical, and a philosophical treatise.* Cambridge: Printed for the author, 1738. Two volumes. 4to. With 83 folding engraved plates. Contemporary gilt-ruled calf. **First edition.** The first book deals (in a non-technical manner) with the fundamental experiments in optics, while the second provides a more formal treatment of the geometrical theory of the subject. The third book describes apparatus for grinding and polishing lenses and specula, with a complete account of the construction, adjustment, and use of the principal optical instruments, while the fourth book gives a history of telescopic discoveries in the heavens. There is also a long chapter on various microscopes and their use. \$ 3500.00

110. SODDY, Frederick. *The interpretation of the atom.* London: John Murray, [1932]. 8vo. With 20 plates of photographic images, numerous text illustrations, and 2 folding plates. Original cloth, in dust jacket. **First edition** of one of the author's most important works. This book, intended to appeal to the general reading public as well as students of science, discusses radioactive elements and isotopes in addition to the "wider application of these fundamental discoveries." \$ 850.00



THE CORTÉS VS. MONTEZUMA NARRATIVE

111. SOLIS [Y RIBADENEYRA], Antonio de. *Historia de la conquista de Mexico, poblacion, y progressos de la America Septentrional, conocida por el nombre de Nueva Expaña.* Barcelona: En la Imprenta de Joseph Llopis, 1691. Folio. Contemporary vellum. **Second edition** of this important source of information and material related to the conquest of Mexico by Cortés. The author chronicles the years between the appointment of Cortés to command the invading Spanish army and the fall of Mexico City. He includes a discussion of the relationship between Cortés and Montezuma, as well as details of the native population. \$ 3500.00

**UPDATING THE SCIENTIFIC PROGRESS
ON RESEARCH IN ELECTRICITY AND MAGNETISM**

112. THOMSON, J[oseph] J[ohn]. *Notes on recent researches in electricity and magnetism intended as a sequel to Professor Clerk-Maxwell's treatise on electricity and magnetism.* Oxford: At the Clarendon Press, 1893. 8vo. Half morocco over marbled boards; an excellent copy. **First edition.** Thomson details the progress that had been made in the twenty years since the publication of Clerk Maxwell's famous treatise on electricity and magnetism. It contains chapters on Faraday tubes of force, which led to the discovery that a beam of light carries momentum. He further treats the discharge of electricity through gases, the first comprehensive account in the English language. \$ 550.00

THE COLLECTED WORKS, COMPLETE IN SIX VOLUMES

113. THOMSON, Sir William [Lord Kelvin]. *Mathematical and physical papers.* Cambridge: University Press, 1882-1911. Six volumes. 8vo. With 25 plates and text illustrations throughout. Publisher's green cloth. **First edition** of the collected papers of Lord Kelvin. This important set comprises of nearly all of Thomson's papers published in various scientific periodicals from May 1841 through the end of his career, providing an invaluable resource in the fields of mathematics, physics, and engineering. \$ 1850.00

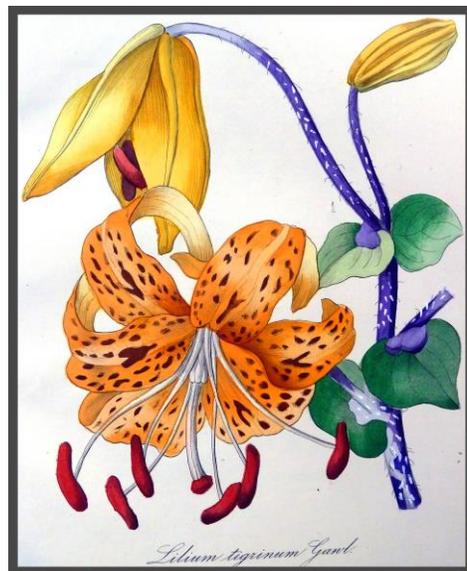


**TELL-ALL EXPOSÉ OF PRIVILEGED LIFE
ALONG THE BARBARY COAST**

114. TULLY, Miss; TULLY, Richard. *Narrative of a ten years' residence at Tripoli in Africa: from the original correspondence in the possession of the family of the late Richard Tully, Esq., the British consul. . . .* London: Henry Colburn, 1816. 4to. Frontispiece and 4 color plates, folding map. Half calf and marbled boards. **First edition** of this rare work that recalls the daily life, colorful anecdotes and dramatic events surrounding the royal family of Tripoli. Allegedly based on the letters of Richard Tully's sister, who enjoyed a "privileged position within the household," the preface reveals the book to be both an intimate portrait as well as something of an exposé; it warns the reader that the text contains "such scenes and events, such sketches of human weakness and vice, the effects of ambition, avarice, envy, and intrigue, as will scarcely appear credible in the estimation of an European." \$ 2500.00

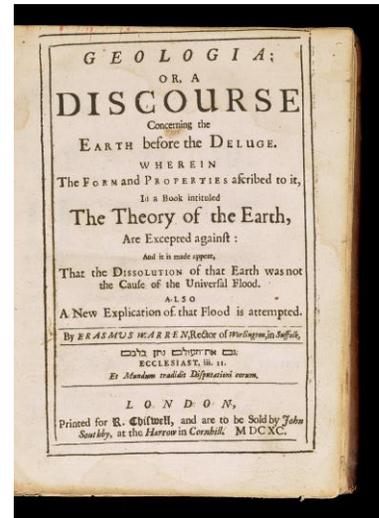
**THE MOST BEAUTIFUL HOMEOPATHIC
MATERIA MEDICA EVER PUBLISHED**

115. VILLERS, A. von & THÜMEN, F. von. *Die Pflanzen des homöopathischen Arzneischatzes.* Dresden: W. Baensch, 1893. Three volumes (2 atlas, 1 text). 4to. With 200 hand-colored engraved plates. Publisher's gilt pictorial cloth. **First edition.** The fine plates are engraved and delicately hand-colored. For many homeopathic plants, this was the first time they had been illustrated in a published work. The edition was very likely quite small; outside of Germany, OCLC locates 5 copies in Europe and 7 in America (Harvard, NLM, Missouri Botanical Garden, College of Physicians, Universities of Washington, Wisconsin, Michigan). \$ 12,500.00



THE EARTH BEFORE THE FLOOD

116. WARREN, Erasmus. *Geologia: or, a discourse concerning the Earth before the Deluge. Wherein the form and properties ascribed to it, in a book intituled The Theory of the Earth, are excepted against: and it is made appear, that the dissolution of that Earth was not the cause of the universal flood. Also a new explication of that flood is attempted.* London: R. Chiswell, 1690. 4to. With 4 text engravings. Half calf and marbled boards. **First edition.** This scarce treatise refutes Burnet’s theory of the formation of the Earth, and includes an interesting explanation on the state of metals and minerals before the flood. According to Woodard, this book contains the earliest published reference to geology in England. \$ 3500.00



117. WHEWELL, William. *History of the inductive sciences.* London: John W. Parker, 1837. Three volumes. 8vo. Complete with errata leaves. Contemporary half calf and marbled boards. **First edition** of the author’s important survey of science from the Greeks through the nineteenth century. His treatment here of the great mathematical scientists (such as Newton) is clear, concise and “sometimes brilliant; and based throughout upon detailed consideration of texts.” \$ 1200.00

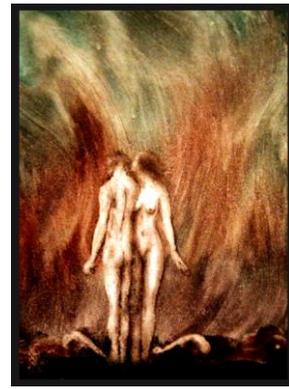
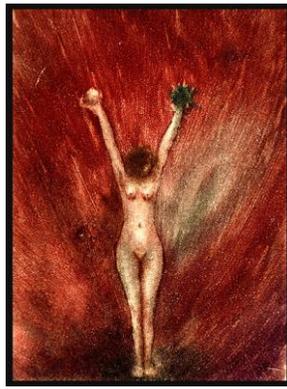
DEFINING SCIENCE IN THE VICTORIAN ERA

118. WHEWELL, William. *The philosophy of the inductive sciences, founded upon their history.* London: John W. Parker; Cambridge: J. & J. J. Deighton, 1840. Two volumes. 8vo. Large folding plate (“Inductive Table of Astronomy”) in Volume II. Later calf-backed marbled boards. **First edition** of Whewell’s most important contribution in which he attempts to map, define, and systematize the development of the sciences. Along with his *History of the inductive sciences*, this work helped to both mold and define the concept of science in the Victorian era. Whewell here attempts to build on foundations laid by Immanuel Kant and Francis Bacon. His work was attacked by John Stuard Mill in his *System of Logic*, causing a debate between them over the nature of inductive reasoning in science, moral philosophy and political economy. It was in the context of these debates that Whewell’s philosophy was rediscovered in the twentieth century by critics of logical positivism. \$ 1800.00

THE STANDARD OF AMERICAN LITERATURE



119. WHITMAN, Walt. *Leaves of grass.* Brooklyn: [Printed for the Author], 1855. Folio. Engraved frontispiece portrait. Original green cloth mounted onto boards, gilt-lettered and decorated in blind on front and back covers within a triple gilt rule, gilt-lettered and decorated spine (rear cover in remarkable facsimile); very minor spotting on endpapers, otherwise a superb bright copy. **First edition**, first issue binding (BAL’s and Myerson’s Binding A), first state of the frontispiece portrait (on heavy paper), second state of the copyright page as usual, second state of p. iv. “Always the champion of the common man, Whitman is both the poet and the prophet of democracy” (PMM). \$95,000.00



ORIGINAL MINIATURE PAINTINGS PRINTED IN MONOTYPE

120. WIGHT, Henry A. [*Development of the universe. From Creation to the Great Calm*]. New York, 1923. 6 ½ x 5 inches (page size); 3 x 2 inches of image size surrounded by 4 x 3 ¼ double decorative border. Each of the 24 miniature paintings with decorative separate title page. The 16 pages of printing contain quotations and poems from Blake, Tennyson and Goethe, Amaranth & Asphodel, and songs all finely decorated. Original calf bound especially for the author's wife. Unique work of 24 miniature paintings by Henry Wight, little known artist and poet, who found the medium of monotype to express his creativity and spiritualism. The author conveys ideas mysterious and charming, much in the manner of the great visionary painter William Blake. The pattern of his work follows closely to the development of the universe. Barren rock and earth, water, trees with vibrant foliage and then animal forms such as birds and beasts inhabiting the new world. Human forms draped at first then the pure undraped bodies of men and women. It was noted that his paintings are suggestive of Dante's *Divine Comedy*, symbolic of the struggle of human existence.

\$ 12,500.00

EARLY THOUGHTS ON GLOBAL WARMING

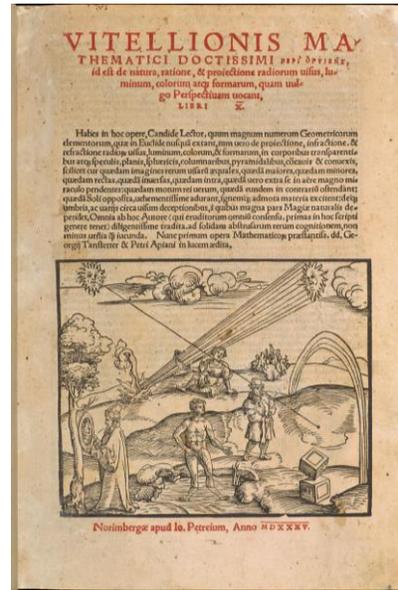
121. WILLIAMS, John. *The natural history of the mineral kingdom. In three parts. Part I. Of the natural history of the strata of coal, and of the concomitant strata. Part II. Of the natural history of mineral veins, and other beds and repositories of the precious and useful metals. Part III. Of the natural history of the prevailing strata, and of the principal and most interesting phaenomena upon and within the surface of our globe.* Edinburgh: Printed for the Author, 1789. Two volumes. 8vo. Uncut and partially unopened in original boards, spine label; a wonderful, nearly unsophisticated copy. **First edition.** Williams combines very practical information on mineralogy with both social commentary as well as observations on the deluge and the evolution of the earth following the flood. He treats coal, including the physical aspects, strata, location, means of mining it, as well as the ecological and economic problems of potential exhaustion of coal resources. After a section on construction of mines for various types of ores, Williams suggests how land and water developed following the deluge. Volcanoes and earthquakes are discussed, and readers are treated to Williams' personal observations on matters such as Native Americans, how Cook proved the fitting together of continents, how Noah settled in China, thoughts on global warming and the conditions of ice, rivers, mountains and timber, with some final comments on social philosophy.



\$ 2500.00

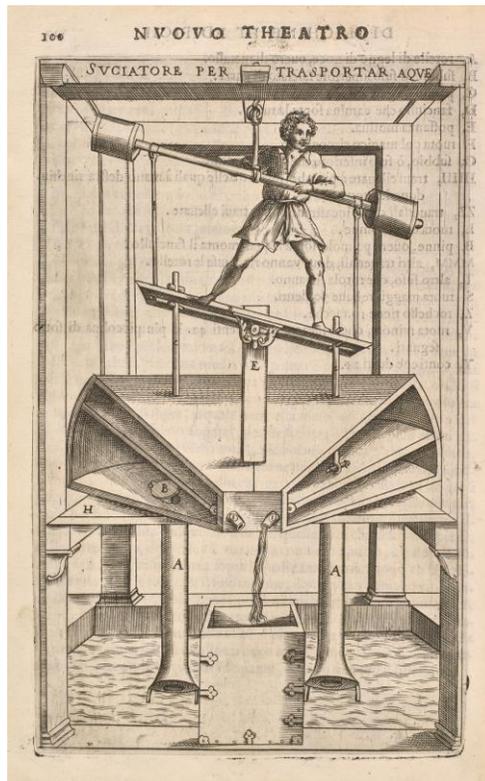
THE FOUNDATION OF OPTICS BY A EUROPEAN

122. **WITELLO**. *Vitellionis . . . Peri optikes [Optica, in Greek], id est de natura, ratione, & proiectione radiorum uisus, luminum, colorum atq[ue] formarum, quam uulgo perspectiuam vocant, libri X. . . .* Nuremberg: Apud Io. Petreium, 1535. Folio. Title in red and black with large woodcut vignette, full-page woodcut arms on recto of second leaf, numerous woodcut text illustrations. Four numbered leaves (following preliminaries) in unobtrusive facsimile. Full blindstamped calf in an antique style. Overall a fine copy. **First edition**, extremely rare, of the earliest treatise on optics written by a European, and the first work containing descriptions of medieval laboratory instruments. Derived from the optics of Abu al-Hasan (Alhazen), the work contains not only a summary of all that was known on optics to the ancients, but also some original investigations. Witello details the essential features of optical systems, including the theory of the nature of light, the nature of radiation, light and color in straight or refracted lines, and the treatment of images in mirrors. He also covers the effects of association and reasoning on vision, and such problems as illusions, visual beauty, and the perception of distance and size. \$ 40,000.00



ILLUSTRATIONS OF AMAZING MACHINES

123. **ZONCA, Vittorio**. *Novo teatro di machine et edificii. . . .* Padua: Pietro Bertelli, 1607. Folio. Engraved title and 42 full-page engravings. Contemporary vellum. **First edition**. This was the first of many works detailing and illustrating machinery. Zonca's images, copied by many later writers, include inventions for mills such as a water mill running silk-spinners and a water-powered grain mill operated on a boat moored in a river, copper plating and printing presses, a barbeque spit turned by gears and a windmill, as well as a perpetual motion machine. \$ 20,000.00



ACADEMY AWARD-WINNING COSUME DESIGNS

124. ORIGINAL SIGNED SKETCHES BY HOLLYWOOD'S GOLDEN AGE

We are pleased to present original sketches by costume designers for early MGM films. The pieces (to be sold separately) include:

--- **The Cincinnati Kid**, costumes by Donfeld, who was nominated for four Academy Awards, and created costumes for Days of Wine and Roses, Prizzi's Honor, They Shoot Horses, Don't They?, and The Great Race.

--- **Madame Bovary**, The Brothers Karamazov, and Give a Girl a Break, costumes by Walter Plunkett, who is best known for Gone with the Wind, Singing in the Rain, Show Boat, and How the West was Won. He won an Oscar for An American in Paris.

--- **Valley of Decision**, costumes by Irene (Lentz), who worked on Meet Me In St. Louis, and was nominated for two Oscars for Midnight Lace and B.F.'s Daughter.

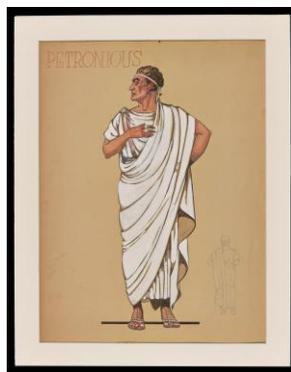
--- **Ben Hur**, costumes by Elizabeth Haffenden, who won two Academy Awards for A Man for all Seasons, and Ben Hur. She also designed costumes for Fiddler on the Roof, Chitty Chitty Bang Bang, and The Day of the Jackal, among many other films.

--- **Quo Vadis**, costumes by Herschel McCoy, who was nominated for two Oscars, the first for Dream Wife and the second for Quo Vadis.

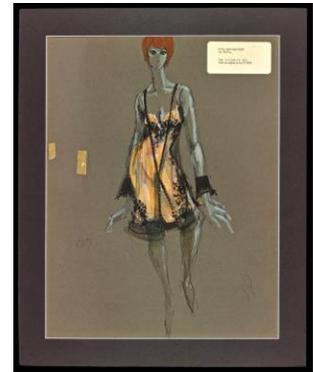
--- **The Wonderful World of the Brothers Grimm**, costumes by Mary Willis, who won an Academy Award for this film. She was nominated for six additional Oscars.



Valley of Decision (1945)
By Irene
Donald Crisp
\$ 1000.00



Quo Vadis (1951)
By Herschel McCoy
Leo Genn
\$ 950.00



The Cincinnati Kid (1965)
By Donfeld
Ann Margaret
\$ 1250.00



The Wonderful World of the
Brothers Grimm (1962)
By Mary Willis
Yvette Mimieux
\$ 1500.00



Brothers Karamazov (1958)
By Walter Plunkett
Claire Bloom
\$ 1500.00



Give a Girl a Break (1953)
By Walter Plunkett
Marge & Gower Champion
\$ 1250.00