

B & L ROOTENBERG - Fine & Rare Books



Post Office Box 5049 - Sherman Oaks, California 91403

Telephone: [818] 788-7765

Telefax: [818] 788-8839

blroot@rootenbergbooks.com

www.rootenbergbooks.com



A SELECTION OF BOOKS
EXHIBITED AT THE INTERNATIONAL ANTIQUARIAN BOOK FAIR
BOSTON, NOVEMBER 15 -17, 2013

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

BOOTH 507

1. **ADAMS, Hannah.** *A summary history of New-England, from the first settlement at Plymouth, to the acceptance of the federal constitution. Comprehending a general sketch of the American war.* Dedham: Printed for the Author, by H. Mann and J.H. Adams, 1799. 8vo. Full calf. First edition of one of the earliest histories of the Revolutionary War, written by an American woman. The book traces the creation of the first settlements and the growth of the colonies, the witchcraft trials in New England, and the various wars between the colonies and Spain, with the Native Americans, and of course with the English. \$ 1250.00

PRESENTATION COPY

2. **ADAMS, John Quincy.** *Oration on the life and character of Gilbert Motier de LaFayette.* . . . Washington: Printed by Gales and Seaton, 1835. 8vo. Contemporary straight grain morocco. An excellent copy inscribed by the author. First edition of Adams' biography of the Marquis de Lafayette, inscribed by Adams to David Potts Jr., an Anti-Masonic congressman from Pennsylvania (1831-1839). \$ 7500.00

EARLY REALITY COMPETITION: AMMUNITION VS. ARMOR

3. **[ANONYMOUS].** *Facts Concerning Armour.* [np]: [np], 1888. 4to. With 99 tipped in photographs on 54 leaves. Pebbled blue cloth. First and only printing of this rare and unusual book that documents the intense struggle for dominance between makers of arms and armor. The competition reached a fever pitch in the late nineteenth century, spurred on in part by the British Admiralty's demand for better products in the wake of increasingly effective ammunition and artillery. The photographs feature prominently in this work and present visually striking images of blasted and mangled armor plate trials. \$ 1500.00

4. **[ARISTOTLE]. LEONICO TOMEIO, Niccoló.** *Opuscula nuper in lucem aedita quorum nomina proxima habentur pagella.* [Venice: Bernardinius Vitalis, February, 1525]. 4to. Historiated initials and numerous woodcut text diagrams. Eighteenth-century vellum, ties; interior with wide margins. First edition of this celebrated work on the physiology, biology, natural history and embryology of Aristotle. Of major significance is one of the earliest printed commentaries on Plato's *Timaeus*, a mythical theory of the universe of phenomena-physiology, nutrition, respiration, disease, and locomotion. This work probably contains the first commentary on dentistry, together with two illustrations of dental forceps holding an extracted tooth. \$ 8500.00

GOD'S GOVERNMENT ON EARTH

5. **AUGUSTINE, Aurelius Saint.** *Of the citie of God.* . . . London, 1610. Folio. Contemporary calf. First edition in English. *De civitate Dei* influenced world history from the middle ages to the end of the eighteenth century, and its power is still present, for example, in international law. It was described by Voltaire as the first contribution to a philosophy of history. \$ 12,000.00

B & L ROOTENBERG - Fine & Rare Books

INVESTIGATING THE NATURAL WORLD

6. BACON, Francis de Verulamio. *Novum organum scientiarum.* Leiden: Wijngaerde et Moiadrum, 1645. First edition of the Latin text. Bacon's new method of investigating the natural world by observation, experiment and inductive reasoning includes an account of the instruments that would be capable of use in the engagement of scientific investigation for the betterment of humankind. \$ 950.00

CLASSIC OF EMBRYOLOGY

7. BAER, Karl Ernst von. *De ovi mammalium et hominis genesi epistolam ad Academiam Imperialem Scientiarum Petropolitanam.* Leipzig: Leopold Voss, 1827. 4to. Contemporary half calf over marbled boards. First edition of Baer's famous discovery of the mammalian ovum. "The notion that all animals come from eggs was pronounced by Harvey, and de Graaf proclaimed that the follicle named after him was really the mammalian egg. It remained for Baer to plot the course of ovulation and fertilisation from its later stages back to the ovary and there to identify the minute cell which was the ovum" (PMM). \$ 38,000.00

PRECISION BOMBING

8. BELIDOR, Bernard Forest de. *Le bombardier François. Ou nouvelle methode de jeter les bombes avec precision.* Paris: de l'Imprimerie Royale, 1731. 4to. Engraved frontispiece plus 8 folding engraved plates showing rockets, fireworks, etc. Contemporary calf. First edition. An essential work for use in combat, containing systematic firing tables. The author explains his methods of setting trajectories as well as the makeup of the hardware used to shoot the projectiles. The exquisite illustrations show the different type of canon, bullets and mortars, loading material, and additional swaggar that can be used. \$ 950.00

9. BERZELIUS, J. Jacob (BLACK, John, trans.). *An attempt to establish a pure scientific system of mineralogy, by the application of the electro-chemical theory and the chemical proportions.* London: Robert Baldwin, 1814. 8vo. Uncut in the original boards. First edition in English. It is here that Berzelius established the classification of minerals by their chemical composition rather than by their crystal appearance. \$ 1650.00

FIRST FRENCH BOOK ON NAVIGATION

10. BESSARD, Toussaint de. *Dialogue, de la longitude. Qui est, la premiere partie du miroir du monde: contenant, tous les moyens, que l'on pourroit avoir tenues, en la navigation, iusqu'à maintenat: que, les deux filles de cosmographie, asçavoir, geo-graphie, & hydro-graphie, en mettent un nouveau, & plus-seur, en avant: touchant le fait de cette longitude, tant par mer, que par terre.* Rouan: Messgissier, 1574. 4to. With 20 text woodcuts. Nineteenth-century vellum. 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. \$ 85,000.00

ONE OF THE EARLIEST BOOKS FROM THE PRESS OF OTTAVIANO SCOTO

11. BIBLIA LATINA. Venice, 31 May 1480. Chancery 4to. Exquisite illuminated initial and marginal illustration, initials throughout rubricated with red and blue penwork decoration, some with gold leaf. Eighteenth-century tree calf. 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. \$ 30,000.00

THE RARE FIRST EDITION IN ENGLISH

12. BOEHME, Jacob. *Mysterium magnum. An exposition of the first book of Moses called Genesis. . . .* London: M. Simmons for H. Blunden, 1654. Folio. Full calf in a contemporary style. First Edition in English of Boehme's masterpiece, a mystical interpretation of Genesis. As a young man, Boehme experienced a mystical vision revealing the spiritual structure of the universe as well as the relationships between good and evil and God and man. His focus on the vision of the spiritual universe supports his detailed discussion of the first book of the Old Testament. Now quite rare, this book became highly influential on generations of mystics, especially of the English school, where societies of Behmenites were formed. \$ 8500.00

B & L ROOTENBERG - Fine & Rare Books

A FAILED EXPEDITION TO POLAND

13. 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 part in English, second part in French. Uncut and largely unopened. First and only edition; only 58 copies were printed, 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

SUCCESSOR TO SIR HUMPHRY DAVY AT THE ROYAL INSTITUTION

14. BRANDE, William Thomas. *A manual of chemistry; containing the principal facts of the science, arranged in the order in which they are discussed and illustrated in the lectures at the Royal Institution of Great Britain.* London: John Murray, 1821. Three volumes. 8vo. An especially nice copy bound in green diced calf. The first edition was printed in 1819 in one volume of less than 700 pages. This second edition is much enlarged and expanded to include chapters on early alchemists and a history of chemistry. \$ 750.00

15. BROWN, Robert. "On the organs and mode of fecundation in Orchideae and Asclepiadeae." From: *Transactions of the Linnean Society*, XVI, part III, pp. 685-743. London: Richard Taylor for the Linnean Society and Longman, Rees, Orme, Brown, Green and Longman, 1833. 4to. With 3 engraved plates by James de Carle Sowerby. First edition, second printing. Brown's paper may be said to have established the concepts of the nucleated cell as the unit of structure in plants" (Hughes). Brown, who coined the term "nucleus," was the first to demonstrate the general occurrence of the nucleus in plant cells. \$ 950.00

16. [BURNET, Thomas]. *The theory of the earth: containing an account of the original of the earth, and of all the general changes which it hath already undergone, . . . The two first (sic) books concerning the deluge, and concerning paradise; An answer to the late exceptions made by Mr Erasmus Warren; A short consideration of Mr. Erasmus Warren's defence of his exceptions against the theory of the earth: In a letter to a friend; The theory of the earth . . . The two last books, concerning the burning of the world, and concerning the new heavens and new earth; A review of the theory of the earth.* London: R. Norton for Walter Kettilby, 1690-1691. Four works in one. Folio. Separate titles, 2 frontispieces, 2 double-page engraved plates and 13 text engravings. Morocco-backed marbled boards. First edition in English of all works, except second edition in English of the first part of the first work. This was one of the earliest attempts to present a scientific explanation of the formation and structure of the earth. \$ 2500.00

17. CARROLL, Lewis [DODGSON, Charles Lutwidge]. Four mathematical pamphlets offered together. **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, rare. Templates for 33 examination problems divided into 5 sections: integral and concrete numbers, vulgar and decimal fractions, rule of three. \$ 24,000.00

PRESENTATION COPY

18. CARROLL, Lewis [DODGSON, Charles L.] *Euclid and his modern rivals.* London: Macmillan & Co., 1879. 8vo. Frontispiece drawing of the "Theorems of Euclid I Arranged in their Logical Sequence." Polished calf by Rivière. Presentation inscription to Rev. W.A. Barclay dated March 27, 1879. First edition of the author's famous contribution to analytic geometry, in the form of a five-act comedy about a mathematics lecturer, Minos, in whose dreams Euclid debates his original *Elements.* \$ 8500.00

B & L ROOTENBERG - Fine & Rare Books

**AN IMPORTANT SOURCE FOR RENAISSANCE TECHNOLOGY
INCLUDING DESCRIPTIONS OF MICHELANGELO'S TECHNICAL DESIGNS**

19. **CEREDI, Giuseppe.** *Tre discorsi sopra il modo d'alzar acque da' luoghi bassi.* . . . Parma: Seth Viotti, 1567. 4to. With 4 large folding and 13 text woodcuts. Contemporary limp vellum. First and only edition. A splendid copy of this important study of Renaissance hydraulic engineering and mechanics, as well as the earliest histories of the subject. \$ 10,500.00

THE RESPONSIBILITES OF THE PRIESTHOOD

20. **CHRYSOSTOMUS, Johannes.** *Dialogi de dignitate sacerdotii.* [Cologne, not after 1472]. 4to. Rubricated with red capitals and initials throughout. Half-calf over marbled boards. Dated bookplate of Gilbert R. Redgrave of Pollard & Redgrave (bibliographer, STC) on paste-down with his annotations and signature dated 1895 on the fly-leaf. An excellent copy with wide margins. Chrysostomus (AD 348-407) is regarded as one of the "Fathers of the Eastern Church" and one of the greatest preachers of all time – a skill which earned him the cognomen Chrysostomos ("golden mouth"). This work is a lengthy dialogue on the priesthood, discoursing on their manifold weighty responsibilities, warning of the political pressures that bear on priestly elections, and comparing the life of a priest to that of a monk. \$ 20,000.00

A WICKED SATIRE

21. **[COLLIER, Jane].** *An essay on the art of ingeniously tormenting; with proper rules for the exercise of that pleasant art. Humbly addressed, In the first part to the Master, Husband, & In the second part, to the wife, friend, &. With some general instructions for plaguing all your acquaintance.* London: A. Millar, 1757. 8vo. Full calf in a contemporary style. Second edition of this famous essay on how to tease and irritate others, a mock advice manual in which the reader is instructed in the arts of tormenting, being advised how to torment servants, humble companions and spouses, as well as on how to bring one's children up to be a torment to others. \$ 1250.00

**SECOND EDITION OF COPERNICUS' DE REVOLUTIONIBUS
AND FIRST WITH RHETICUS' NARRATIO PRIMA**

22. **COPERNICUS, Nicolaus.** *De revolutionibus orbium coelestium, libri VI.* . . . *Narratio prima, per M. Georgium Ioachimum Rheticum ad D. Ioan. Schonerum scripta.* Basel, [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. \$ 150,000.00

PRESENTATION COPY

23. **CRICK, Francis Harry Compton & WATSON, James.** "Molecular structure of nucleic acids. A structure for deoxyribose nucleic acid"; "Molecular structure of deoxypentose nucleic acids"; "Molecular configuration in sodium thymonucleate." Offprint from *Nature*, Vol. 171, April 25, 1953. 8vo. Presentation copy, signed by Crick, Maurice Wilkins, and by Wilson and Stokes at the end of their paper. First edition. The original offprint of what scientists consider the greatest intellectual achievement of modern science: the identification of the double-helix structure of DNA and the foundation of the genetic code. \$ 45,000.00

PUBLISHED WITHOUT THE AUTHOR'S CONSENT

24. **CULLEN, William.** *Lectures on the materia medica.* London: T. Lowndes, 1772. 4to. Contemporary calf. First edition of Cullen's very rare and renowned series of lectures on the study of drugs. The author describes and organizes all substances or preparations used in diet and medicine. \$ 3000.00

EXQUISITE ILLUSTRATIONS

25. **CURTIS, William.** *The Botanical Magazine; or, Flower-Garden Displayed in which the most ornamental foreign plants, cultivated in the open ground, the green-house, and the stove, are accurately represented in their natural colours.* London: Stephen Couchman, 1795. 8vo. With 75 hand-coloured plates. Original full tree calf. First edition of Volumes 9 and 10. Each issue of *The Botanical Magazine* was sold separately. Each issue contains a full

B & L ROOTENBERG - *Fine & Rare Books*

description in formal yet accessible language, and is renowned for featuring the work of two centuries of botanical illustrators. \$ 2400.00

IMPROVEMENTS IN DELIVERY OF ELECTRICITY

26. **DAL NEGRO, Salvatore.** *Nuovo metodo di costruire macchine elettriche di grandezza illimitate e nuovi sperimenti diretti a rettificare l'apparato elettrico.* Venice: Pietro Zerletti, 1799. 8vo. Contemporary wrappers; wide margins, uncut. First edition of this scarce treatise describing the author's electrostatic machine, and some of the experiments he conducted with it. The folding plate illustrates the machine, which accompanies the instructions on how to build it. \$ 1800.00

FOUNDATION OF THE ATOMIC THEORY

27. **DALTON, John.** *A new system of chemical philosophy.* Manchester: S. Russell for R. Bickerstaff, 1808; London: Russell & Allen for R. Bickerstaff, 1810. Two volumes. 8vo. Original boards with the original spine labels. First edition of the first two parts of Dalton's epoch-making work in which he expounded his atomic theory, the most essential development in modern chemistry. Dalton postulated the indestructibility of atoms, and so made possible the formulation of the Law of Conservation of Matter, enunciated the Law of Multiple Proportions, and determined and tabulated the atomic weights of elements. \$ 15,000.00

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. 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

HIS MOST IMPORTANT GEOLOGICAL WORK

29. **DARWIN, Charles.** *The structure and distribution of coral reefs. Being the first part of the geology of the voyage of the Beagle.* London: Smith, Elder and Co., 1842. 8vo. With 3 folding engraved maps. Recent cloth. First edition of Darwin's observations of reefs and atolls during the voyage of the Beagle. This first volume of the three parts of Darwin's *Geology* contains his theory of the formation of coral reefs. \$ 15,000.00

ASSOCIATION COPY WITH LETTERS AND UNRECORDED OFFPRINT

30. **DARWIN, Charles.** *On the origin of species by means of natural selection. . . .* London: John Murray, 1859. 8vo. in 12s. Half-morocco over marbled boards. An excellent copy inscribed by Leonard Darwin, Charles Darwin's son, 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, first issue, of Darwin's historic and pioneering work on the theory of evolution; certainly the most important biological book ever written. The inscription reads: "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." Refers to the black bear and the possibility of their development by natural selection into aquatic animals. \$ 135,000.00

EXPRESSION OF MONKEY SEXUAL EMOTIONS

31. **DARWIN, Charles.** "Sexual selection in relation to monkeys." In *Nature*, Volume VX, November 1876 to April 1877, pp. 18-19. London and New York: Macmillan and Co., 1877. 4to. (the entire volume). First printing of Darwin's original paper discussing sexual selection in his 1871 work *Descent of man*, stating that the case of the "brightly-coloured hinder ends and adjoining parts of certain monkeys" was the most interesting and perplexing to him. Also included are two reviews of Darwin books, including *Geological observations on the volcanic islands (second edition)* and *Effects of cross- and self-fertilisation in the vegetable kingdom*. In addition, there are two testimonials to Darwin on the occasion of his birthday. \$ 650.00

B & L ROOTENBERG - *Fine & Rare Books*

ACCOUNT OF THE DISCOVERY OF HIPPOPOTAMI REMAINS IN ENGLAND

32. **DOUGLAS, James.** *A dissertation on the antiquity of the earth.* London: Logographic Press, 1785. Folio. With 10 aquatints from the author's original drawings. Contemporary half-calf over marbled boards. First edition. This famous paper illustrates the fossils of large mammals found in America and England, in addition to treating Douglas' theories on the deluge and the fossilization process. \$ 1750.00

EPIC WORKS IN MODERN PHYSICS

33. **EINSTEIN, Albert.** 1. *Entwurf einer verallgemeinerten Relativitätstheorie und einer Theorie der Gravitation. I. Physikalischer Teil.* Leipzig: B.G. Teubner, 1913. 2. --- & **GROSSMAN, Marcel.** "Kovarianzeigenschaften der Feldgleichungen der auf die verallgemeinerte Relativitätstheorie gegründeten Gravitationstheorie." From *Zeitschrift für Mathematik und Physik*, Volume 63, No. 1-2. Leipzig: Teubner, 29 May 1914. 3. --- *Die Grundlage der allgemeinen Relativitätstheorie.* Leipzig: J.A. Barth, June, 1916. 4. --- *Über die spezielle und die allgemeine Relativitätstheorie.* Braunschweig: Friedr. Vieweg & Sohn, 1917. 5. **LORENTZ, H[endrik] A[ntoon].** *Das Relativitätstheorie Drei Vorlesungen gehalten in Teylers Stiftung zu Haarlem.* Leipzig und Berlin: B.G. Teubner, 1914. 6. **MINKOWSKI, Hermann.** *Raum und Zeit. Vortrag, gehalten auf der 80. Naturforscher-Versammlung zu Köln am 21 September 1908.* Leipzig und Berlin: B.G. Teubner, 1909. Six works bound together. 8vo. Five with their original printed front wrappers. Numerous annotations in pen and pencil. Ownership inscription of L[ouis] Kollros, Swiss mathematician, geometer, and biographer of Jakob Steiner. First editions of Nos. 1, 2, 3, 5 and 6, second edition of No. 4. This collection of original offprints contains Einstein's most significant contributions to the theoretical basis for the release of atomic energy, and on general relativity. Lorentz's *Relativitätstheorie* is one of the earliest expositions on Einstein's theory of relativity, and led to a major breakthrough in nuclear fission. Minkowski's epoch-making paper, *Raum und Zeit*, is the mathematical foundation of the theory of relativity, and the first promulgation of the concept of space-time and the four dimensional space-time continuum. \$ 15,000.00

RELATIVITY EXPLAINED TO THE GENERAL PUBLIC

34. **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 the average reader. \$ 950.00

EXPANSION OF THE UNIVERSE QUANTIFIED

35. **EINSTEIN, Albert & STRAUS, Ernst G.** "The influence of the expansion of space on the gravitation fields surrounding the individual stars." (with) "Corrections and additional remarks to our paper." Offprint from *Reviews of Modern Physics*, Vol. 17. Princeton, NJ: Institute of Advanced Study, April-July, 1945. 4to. First edition. Einstein and Straus here correct the means by which the gravitation field in the neighborhood of a single star is represented. \$ 250.00

A FINE COPY OF THE BASEL EUCLID

36. **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. Contemporary vellum. A large, wide-margined copy. According to Zeitlinger, it is "the first complete edition of Euclid's works." \$ 12,000.00

EULER'S FIRST PUBLICATION

37. **EULER, Leonhard.** *Positiones logicae miscellaneae quas . . . pro vacante cathedra logica ad d. 30. Jan. M DCC XXII . . . publico eruditorum examini subjiciet M. Joh. Rudolphus Battierius . . . respondente . . . Leonhardo Eulero.* [Basel]: E. & J.R. Thurneisen, 1722. 4to. Contemporary marbled wrappers. First edition of Euler's first publication. Just 14 years old, Euler responds to the thesis of Johann Rudolf Battier (1693-1759), a candidate for the Basel's vacant chair of logic. This publication is quite rare; OCLC locates only 1 copy at Basel, and only 1 other copy is known (in a private collection). \$ 15,000.00

B & L ROOTENBERG - Fine & Rare Books

“ANALYSIS INCARNATE”

38. EULER, Leonhard. *Introductio in analysin infinitorum.* Lausanne: Marc-Michel Bousquet, 1748. Two volumes. 4to. Complete with frontispiece, portrait of the dedicatee, Jean Jacques Dourtous de Mairan, directions to the binder and 41 folding engraved plates. Contemporary mottled calf. First edition. This definitive work on analytical mathematics caused a revolution in this branch of mathematics, a subject which had hitherto never been presented in such a general and systematic manner. \$ 9000.00

39. FALLOPIUS, G[abriele]. *Libelli duo alter de ulceribus.* Venice: Donato Bertelli, 1563. 4to. Fine historiated initials. Later vellum; an excellent copy with contemporary annotations. First edition of Fallopius' rare treatise on ulcers and tumors. \$ 9500.00

40. FERMI, Enrico. 1. *Sui momenti magnetici dei nuclei atomici.* Rome, 1930; 2. *Sul calcolo degli spettri degli ioni.* Rome, 1930; 3. *L'effetto Raman nelle molecole e nei cristalli.* Rome, 1932; 4. -- & **SEGRE, E.** *Sulla teoria delle strutture iperfini.* Rome, 1933; 5. -- & **AMALDI, E.** *Le orbite ∞ s degli elementi.* Rome, 1934. Five original offprints from *Memorie della classe di scienze fisiche, matematiche e naturali.* 8vo. Original printed wrappers, unopened. First editions of a series of the author's most notable papers on nuclear physics. \$ 2500.00

41. FERRARI, Omniboni [Ognibene]. *De arte medica infantium, libri quatuor. . . .* Brescia: Francesco and Pietro Maria Marchetti [Colophon: Vincenzo da Sabbio], 1577. Two works in one. 4to. With 4 engraved text illustrations. Contemporary vellum. First edition. The work is divided into three parts: the management of wet nurses; the care and feeding of the newborn; and the diseases of children. Notable are the illustrations which include a self-operated breast pump for extracting milk, a device for training children to walk, a child's stool with a toilet, and a helmet designed to protect the child's head from injury. \$ 12,000.00

42. FERRIAR, John, M.D. *An essay towards a theory of apparitions.* London: Cadell and Davies, 1813. 8vo. Half-vellum and marbled boards, uncut. First edition. With an interest in psychological phenomena, Ferriar here shows from historical examples and his own clinical experience 'that morbid disposition of the brain is capable of producing spectral impressions, without any external prototypes.' \$ 450.00

DESCRIPTION AND CURE OF ASTHMA

43. FLOYER, John. *A treatise of the asthma.* London: Richard Wilkin, 1698. 8vo. Contemporary calf. First edition of the first clear description of bronchial asthma. It is the first major monograph on the subject in English. \$ 5500.00

44. 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. Modern calf. First edition of a remarkable achievement, "an important and necessary addition" (Hill) to the account of Cook's second voyage. The author and his father accompanied Cook, who 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. This voyage produced a vast amount of information concerning the Pacific peoples and islands, proved the value of the chronometer as an aid in finding longitude, and improved techniques for preventing scurvy. The author chronicles each location, describing the physical attributes as well as the inhabitants they met along the way. \$ 7800.00

A MASTERFUL POLEMIC FOR THE NEW SCIENCE

45. GALILEI, Galileo. *Dialogo sopra i due Massimi Sistemi del Mondo Tolemaico, e Copernicano.* Florence: Giovanni Battista Landini, 1632. 4to. Engraved frontispiece by Stefano della Bella in fine facsimile on early paper. Contemporary vellum. First edition of Galileo's statement and defense of the Copernican system of heliocentrism, which directly led to his trial for heresy in Rome in 1633. \$ 70,000.00

B & L ROOTENBERG - Fine & Rare Books

EARLIEST INVENTION OF THE TELEPHONE (?)

46. [GAUTHEY, Emiland-Marie]. *Expérience sur la propagation du son et de la voix dans des tuyaux prolongés a une grande distance, nouveau moyen d'établir & d'obtenir une correspondance très rapide entre les lieux fort éloignés.* Philadelphia & Paris: Chez Prault, 1783. 8vo. Printed wrappers. A fine copy of a great rarity. First edition of this extraordinary monograph on the construction and use of what is possibly the earliest invention of the telephone. The invention was presented to the Académie de Sciences in Paris, where it was well received, especially by the Marquis de Condorcet, who was so impressed that he wrote a report on Gauthey's description and took up a subscription to fund the experiment on a larger scale. \$ 6500.00

WONDERFUL ANATOMICAL PLATES

47. GIBSON, Thomas. *The anatomy of human bodies epitomiz'd. Wherein all the parts of man's body, with their actions and uses, are succinctly describ'd, according to the newest doctrine of the most accurate and learned modern anatomists.* London: Awnsham Churchil, 1688. 8vo. With 16 full-page engraved plates. Contemporary calf. The third edition of this popular handbook of anatomy, first published anonymously in 1682. Gibson treats in a general form all parts of the human body, including the veins, muscles and bones. \$ 650.00

THE ORIGIN OF THE SPANISH INQUISITION

48. GONZÁLEZ DE MONTEZ, Reinaldo. Skinner, Vincent, trans. *A discovery and playne declaration of sundry subttill practices of the Holy Inquisition of Spayne.* London: John Day, 1568. 4to. Eighteenth-century calf. Bookplate of Alfonso Cassuto. First edition in English of one of the rarest and most important works describing the horrors of the Spanish Inquisition. The author was a former Dominican friar who had left the Roman Church. He describes the legal proceedings and trials conducted by the Inquisition, and also includes biographies of a number of persons condemned, including a native of Mexico. \$ 24,000.00

STANDARD AUTHORITY ON MARINE BIOLOGY

49. GOSSE, Philip Henry. *Actinologia Britannica. A history of the British sea-anemones and corals.* London: Van Voorst, 1860. 8vo. With frontispiece plus 11 additional plates (11 chromolithographs). Original blind- and gilt-stamped cloth. First edition of the author's most important work, considered a standard authority on marine biology. \$ 1000.00

GOULD'S STUNNING PARTRIDGES

50. GOULD, John. *A monograph of the odontophorinæ, or partridges of America.* London: Richard and John E. Taylor for the Author, [1844]-1850. Large folio. Complete with half title, list of subscribers, and 32 magnificent hand-colored plates. Contemporary morocco. First edition of Gould's splendid folio on the partridges of America, in which he celebrates the unassuming game bird in a grand and sumptuous style, expertly illustrating 35 partridge species in their natural surroundings. \$ 24,000.00

**ONE OF THE GREATEST ARGUMENTS IN SCIENCE:
THE CONTROVERSY OF THE COMETS**

51. [GRASSI, Orazio]. *Libra astronomica ac philosophica qua Galilaei Galilaei, opinionones de cometis a Mario Guiducio in Florentina Academia expositae, atque in lucem nuper editae, examinantur a Lothario Sarsio Sigensano.* Perugia: Marci Naccarini, 1619. 4to. Engraved title vignette of one of the 1618 comets in the constellation of Libra. Antique calf in a contemporary style. First edition of Grassi's extraordinarily important and bitter attack on Galileo's theory of the nature of comets, later inspiring *Il Saggiatore*. \$ 24,000.00

THE BASIS FOR ALL FUTURE MEDICAL EDUCATION

52. GRAY, Henry. *Anatomy descriptive and surgical.* London: John W. Parker, 1858. 8vo. With half-title and 363 text illustrations. Contemporary half-calf and marbled boards. First edition of probably the best-known medical book in the English language. \$ 9500.00

B & L ROOTENBERG - Fine & Rare Books

IN DEFENSE OF SPANISH FLIES

53. GROENEVELT, Joanne [GREENFIELD, John]. *A treatise on the safe, internal use of cantharides in the practice of physick . . .* London: Printed for Jeffery Wale, 1706. 8vo. Full calf. First edition in English of this rare work, a product of a notorious legal battle between the Royal College of Physicians and the author over his use of cantharides (Spanish flies), a practice which he defends citing actual cases and opinions of leading physicians throughout history. He details numerous cases where cantharides were used as a successful remedy, as well as antidotes to the use of cantharides for other (sexual) purposes. \$ 600.00

THE MOTION OF A PENDULUM IN A CIRCULAR ARC

54. [GREGORY, James]. *The great and new art of weighing vanity: or a discovery of the ignorance and arrogance of the great and new artist, in his pseudo-philosophical writings . . . To which are annexed some Tentamina de motu penduli & projectorum.* Glasgow: Robert Sanders, 1672. 8vo. Contemporary calf. First edition of an extremely rare contribution to dynamics. The first part contains an attack on George Sinclair's *Hydrostaticks*, in which he proved Huygens' theorems relating atmospheric height logarithmically to barometric pressure. It is the second part, the *Tentamina*, that is of great historical importance as a text bridging Galileo's *Discorsi* and Newton's *Principia*. Newton had objected to Huygens' Galilean generalization that the square of the instantaneous speed of a body falling freely under simple gravity in a smooth curve is proportional to the vertical distance fallen. But it was Gregory who independently deduced the elliptical integral expressing the time of vibration in a circular pendulum and gave its infinite-series expansion for a small arc of swing. \$ 12,000.00

THE FIRST GREAT SCIENTIFIC MUSEUM IN ENGLAND

55. GREW, Nehemiah. *Musaeum regalis societatis, or a catalogue & description of the natural and artificial rarities belonging to the royal Society and preserved at Gresham College . . . whereunto is subjoyned the comparative anatomy of stomachs and guts.* London: W. Rawlins, for the Author, 1681. Two parts in one volume. Folio. With 31 full-page plates. Original full calf. First edition of Grew's finely illustrated catalogue of the holdings of the Museum of the Royal Society, the first scientific museum in England of real educational value. Anatomical, zoological, and botanical specimens are depicted, as well as medical instruments. This was the first zoological book to use the term "comparative anatomy" on the title page, and was also the first attempt to deal with only one system of organs by the comparative method. \$ 2000.00

THREE VALUABLE PAPERS; ALL PRESENTATION COPIES

56. HAECKEL, Ernst. (1) *System der Siphonophoren auf Phylogenetischer Grundlage entworfen.* Jena, 1888; (2) *Plankton-Composition.* Jena, 1892; (3) *Die cambrische Stammgruppe der Echinodermen.* Jena, 1895. Original offprints from *Jenaische Zeitschrift für Naturwissenschaft.* Presentation copies, signed by Haeckel to Dr. Bernhard Rawitz, anatomist from the University of Berlin. First editions. Following the publication of his *Generelle Morphologie* in 1866, Haeckel wrote a number of zoological monographs, which in all contained reports of nearly four thousand new species of lower marine animals, most gathered on the Challenger expedition. In addition to basic descriptions (many of which had never been done to that point), Haeckel supports his proposition that phylogeny yields important arguments for the theory of evolution. \$ 2500.00

CIRCULATION IN PLANTS

57. HALES, Stephen. *Vegetable staticks; or, an account of some statical experiment on the sap in vegetables: Being an essay towards a natural history of vegetation. Also, a specimen of an attempt to analyse the air, by a great variety of chymio-statical experiments.* London: Printed for W. And J. Innys, and T. Woodward, 1727. (Offered with) *Statical essays: Containing haemastaticks, or, an account of some hydraulick and hydrostatical experiments made on the blood and blood vessels of animals. Also an account of some experiments on stones in the kidneys and bladder. . .* London: Printed for W. Innys and R. Manby, and T. Woodward, 1733. Two volumes. 8vo. With 19 plates. Contemporary paneled calf; bookplate of Myron Prinzmetal. First edition of both volumes. The first is Hales' classic on the physiology of plants. Volume II details Hales' pioneering invention of the manometer, with which he was the first to measure blood pressure. \$ 8500.00

B & L ROOTENBERG - Fine & Rare Books

FROM THE KING'S CLOSEST ATTENDANT

58. [HAMMOND, Henry]. *Of the power of the keys: or, of binding and loosing*. London: Printed for Richard Royston, 1647. 4to. First edition of this anonymous tract in which the author engages in controversial critical interpretations on church policy and authority. Citing Matthew 16:19 ("And I will give unto thee the keys of the kingdom of heaven: and whatsoever thou shalt bind on earth shall be bound in heaven: and whatsoever thou shalt loose on earth shall be loosed in heaven"), the book responds to the attempts to restructure the Church by Parliament during the Westminster Assembly. \$ 950.00

THE LATEST MODELS OF GLOBES

59. HARRIS, Joseph. *The description and use of the globes, and the orrery. To which is prefix'd by way of introduction, a brief account of the solar system*. London: Printed for B. Cole, at the Orrery, 1757. 8vo. With 7 engraved folding plates. The advertisement describes a variety of mathematical, philosophical, and optical instruments. Full contemporary calf. From the library of John Stackhouse (1742-1819), an English botanist, Fellow of the Linnean Society, and author of *Nereis Britannica*. An important and popular work on mathematical and astronomical instruments. Harris here introduces the latest models of globes, celestial and terrestrial, and demonstrates how to use them in order to solve many problems, some of which includes finding latitude and longitude as well as the position of the sun at any given place and day of the year. \$ 400.00

PURITAN BOSTON

60. HAWTHORNE, Nathaniel. *The scarlet letter*. Boston: Ticknor Reed and Fields, 1850. 8vo. Title in red and black with publisher's ads dated March 1, 1850 between front endpapers. With all first issue points. Original blind-stamped brown cloth with gilt lettering on spine; text lightly toned with a couple of insignificant stains on lower fore-edge of a few leaves. A superb copy, possibly re-cased and preserved in a morocco clamshell box with a scarlet "A" applique on front cover. First edition, first issue of one of the great classic of American literature. Printed in a limited edition of 2500 copies. \$ 9500.00

FROM THE LIBRARY OF ALEXANDER MONRO

61. HEAVISIDE, John. *Catalogue of the museum of John Heaviside, Esq. comprising human anatomy, natural and morbid; comparative anatomy; and natural history*. London: (for the author) Printed by G. Woodfall, Angel Court, Skinner Street, 1818. (Offered with) *Heaviside's Museum. A catalogue of the extensive and valuable anatomical museum of the late J. Heaviside, Esq. (Surgeon Extraordinary to the King)*. . . . [London: J. and C. Adlard, 1829]. Two works. From the library of Alexander Monro, Scottish anatomist and surgeon, with his annotations throughout detailing his purchases, some with prices paid. First and only edition of these extremely rare privately printed catalogues of the anatomical museum assembled by the surgeon John Heaviside, together with the sale catalogue of his collection auctioned over 8 days in 2644 lots. Only 3 copies known (none complete) and none in America. \$ 9500.00

62. HEITLER, W. *Elementary wave mechanics. Introductory course of lectures*. Dublin: Dublin Institute for Advanced Studies, 1942-43. 8vo. Mimeograph type, on 1 side only. First edition of the notes made from Heitler's course on elementary wave mechanics. \$ 250.00

MAKING THE MOST OF YOUR TULIPS

63. [HILL, John]. *A method of producing double flowers from single, by a regular course of culture*. London: R. Baldwin, 1758. 4to. With 8 large folding engraved plates. First edition of this extremely rare and little known work on tulips. He gives a detailed account of understanding the process of nature, as well as directions on how to double the flowers of many plants. Hill, though best known for his botanical works with which he introduced the classification system of Linnaeus into England, was certainly one of the most controversial figures in eighteenth-century England. \$ 4500.00

B & L ROOTENBERG - *Fine & Rare Books*

PRESENTATION COPY

- 64. HOLMES, Oliver Wendell.** *The autocrat of the breakfast table.* Boston: Phillips, Sampson, and Company, 1859. 8vo. Pebbled cloth over beveled boards. Inscriptions to fly-leaf, "Miss Sally Gardner, from her friend and cousin OW Holmes." Second edition. Presentation copy to Holmes' cousin. One of the few impressions issued before the 1859 failure of the firm Phillips, Sampson, and Company. \$ 1800.00

We also have the following title by Oliver Wendell Holmes:

A dissertation on acute pericarditis. Boston, 1937.

At Dartmouth, the Phi Beta Kappa poem read by Dr. Oliver Wendell Holmes at the Dartmouth Commencement exercises July 24, 1839 prior to his appointment to the chair of anatomy and physiology at Dartmouth Medical School. New York, 1940.

Grandmother's story of Bunker Hill's battle. New York, [1883].

The claims of dentistry. Boston, 1872.

Urania. A rhymed lesson. Boston, 1846.

SUPPLEMENT TO THE MICROGRAPHIA

- 65. HOOKE, Robert.** *Lectures and collections.* . . . London: J. Martyn, 1678. 4to. An excellent copy, crisp and clean, in modern polished calf. First edition of one of the very rare volumes of the author's lectures. Hooke's contributions include a discussion of the comets visible during the 1660's and confirmation of Leeuwenhoek's microscopy experiments. \$ 12,500.00

PRINTED ON VELLUM

- 66. HORAE B.M.V.** *Hore diue virginis Marie secu[n]dum vsum Ro-manum cum aliis multis folio sequenti nota-tis vnacum figuris Apocalipsis & multis figuris Biblie nouiter insertis.* Paris, [1510]. 8vo. [107] of 108 leaves (lacking M₁). Printed on vellum in red and black, initials on every leaf in gold, red and blue, large woodcut illustration on title, 16 full-page plus numerous smaller woodcuts. Contemporary tree calf, hand-colored printed paper paste-downs. A splendid book of hours printed on vellum from the press of the Hardouins. The Almanac is dated from 1510 to 1530. \$ 18,500.00

DEVELOPMENT OF THE PENDULUM CLOCK

- 67. HUYGENS, Christian.** *Horologium oscillatorium sive de motu pendulorum ad horologia aptato demonstrationes geometricae.* Paris, 1673. Folio. Full calf. Original fly-leaf with contemporary annotations, plus a few annotations throughout text. An excellent copy. First edition. This work contains a description of the pendulum clock that Huygens invented in 1656, probably the greatest advancement to physics. "A work of the highest genius which has influenced every science through its mastery of the principles of dynamics. It is second in scientific importance perhaps only to Newton's *Principia*" (Singer). \$ 35,000.00

REFRACTION AND REFLECTION OF LIGHT FINALLY EXPLAINED

- 68. H[UYGENS], C[hristiaan].** *Traité de la lumière.* Leiden: P. van der Aa, 1690. 4to. Full vellum. First edition, first state with author's initials on title. A landmark in the development of understanding the true nature of light. \$ 30,000.00

- 69. [ILLUMINATED MANUSCRIPT]. LONGFELLOW, Henry Wadsworth.** *A selection from the poems of H.W. Longfellow.* [n.p.]: [n.p., n.d. (circa 1884)]. 4to. Illuminated manuscript engrossed on 12 leaves of vellum. Beautifully embellished with wide borders on each page, initials and other decorations in color and gold. Bound by Sangorski & Sutcliffe in full red levant. The manuscript contains the following six poems: A psalm of life; The old clock on the stairs; The village blacksmith; Children; Walter Von der Vogelweed; and The arrow. \$ 15,000.00

B & L ROOTENBERG - Fine & Rare Books

A PHYSICAL ATLAS INSPIRED BY HUMBOLDT

70. JOHNSTON, Alexander Keith. *The physical atlas of natural phenomena for the use of colleges, academies, and families.* Philadelphia: Lea and Blanchard, 1850. Folio. With hand-colored double-page map frontispiece plus 24 hand-colored plates. Morocco-backed cloth. First edition. This unusual atlas sets itself apart from the “dry details of geography” by showing world-wide patterns and distributions of natural phenomena. Divided into four sections (geology, hydrography, meteorology, and natural history), the maps are attractive not only for their extraordinary detail and precision, but also for the vitality of their portrayal. \$ 950.00

CLASSIC HISTORY OF THE JEWISH PEOPLE

71. 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 engraved clasps. This translation is the first English printing of Josephus, of which this is the fourth edition. There is a descriptive table of contents for each chapter, and the extensive index make this a valuable resource citing countless authors, religious officials, and biblical references. \$ 2500.00

SIGNED AND INSCRIBED BY JFK

72. KENNEDY, John F. *Profiles in courage.* New York: Harper & Brothers, [1956]. 8vo. In the original dust jacket. First edition, first printing of Kennedy’s best-known book, “a series of sketches of American politicians who risked their careers in the cause of principle.” \$ 11,500.00

EARLIEST EXAMPLE OF “NATURE-PRINT”

73. KNIPHOF, Jonannis Hieronymi. *Botanica in originali pharmaceutica das ist: Lebendig officinal-kräuter-buch.* Erfurt: In Verlag Joh. Mich. Funckens/Buchhaendl. und Universitaets-Buchdrucker, 1733. Folio. With 200 magnificently illustrated nature-prints in fine contemporary coloring. Contemporary vellum. First edition of this profusely illustrated work on medicinal plants. The book is also of great interest for offering one of the first known examples of the *naturselfstdruck*, or the ‘nature-print’ technique used for scientific proof, a process by which a flat press and printer’s ink capture the image of plant specimens. \$ 45,000.00

THE FOUNDATION OF ANALYTIC MECHANICS WITH PROVENANCE

74. LAGRANGE, Joseph Louis. *Méchanique analitique.* Paris: la Veuve Desaint, 1788. 4to. Contemporary polished calf. First edition of the author’s masterpiece which laid the foundation of modern mechanics. It contains the discovery of the general equations of motion, the first epochal contribution to theoretical dynamics after Newton’s *Principia*, next to which it has been ranked. \$ 18,000.00

INFLUENCED BY LEONARDO AND DÜRER

75. LAUTENSACK, Heinrich. *Des Circkels unnd Richtscheyts, auch der Perspectiva, und Proportion der Menschen und Rosse kurtze, doch gründtliche Underweisung dess rechten Gebrauchs. . . .* Frankfurt: [Georg Raben for Sigmund Feyerabend and Heinrich Lautensack], 1564. 4to. With 3 folding woodcut plates and 107 woodcut text illustrations. First edition of this rare treatise on perspective and draughtsmanship, important for its use by artists, architects, and goldsmiths. One of the sections, on human proportion, owing much to Dürer, also includes woodcuts illustrating the proper proportions of a horse. \$ 14,500.00

THE MOST IMPORTANT PHOTOGRAPHER OF THE 19TH CENTURY

76. 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 a 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 Baillièrre, 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

B & L ROOTENBERG - *Fine & Rare Books*

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 a substantial catalogue of cameras and photographic equipment from the leading retailer of the period. \$ 15,000.00

DISCOVERY OF THE PLANET NEPTUNE

77. **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

BROADSIDE OF LINCOLN'S PROCLAMATION FOR THE FIRST NATIONAL DAY OF THANKSGIVING

78. **LINCOLN, Abraham.** *Proclamation of Thanksgiving.* [Massachusetts: n.p., 1863]. Broadside. 28 x 20 inches. First printing of the first proclamation of Thanksgiving as a national holiday. Thanksgiving was observed as a holiday since colonial times and each state would set aside its own day for celebration. This proclamation was the first time that the holiday would be celebrated on a set day nationwide, making it the first observed Thanksgiving as a national holiday. \$ 12,500.00

79. **MAGINI, [Giovanni] Antonio.** *De planis triangulis liber unicus. Eiusdem De dimittendi ratione per quadrantem, & geometricum quadratum, libri quinque. Opus valde utile gaometris, astronommis, geographis, mechanicis, architectis, militibus, agrorum mensoribus, et denique omnibus mathematicarum professoribus.* Venice: Battista Ciotto, 1592. 4to. Full calf in a contemporary style; a fine copy of a great rarity. First edition of Magini's famous mathematical treatise. This important text includes his great *tabula tetragonica, de planis triangulis*, works on altitude and distance, and his writings on trigonometry, mensuration, and tables of squares. \$ 7500.00

LIMITED EDITION PORTFOLIO

80. **MALORY, Thomas. BEARDSLEY, Aubrey.** *Morte d'Arthur portfolio. [Reproductions of eleven designs omitted from the first edition of Le Morte D'Arthur illustrated by Aubrey Beardsley and published in MDCCCXCIII : also those made for the covers of the issue in parts and a facsimile print of the Merlin drawing].* London: J.M. Dent & Sons Limited; [Edinburgh: Turnbull & Spears, 1927]. 4to. With 14 illustrations. No. 179 of 300 copies on hand-made paper. This lavishly illustrated portfolio was issued in conjunction with the third edition of Aubrey Beardsley's *Le morte d'Arthur* (1927), and includes several designs omitted from both the first and second editions. \$ 950.00

VALUABLE MATHEMATICS SAMMELBAND

81. Six papers bound together in contemporary half-calf and marbled boards. They are:

1. **DEDEKIND, Richard.** *Was sind und was sollen die Zahlen.* Braunschweig, 1888. First edition, rare, of Dedekind's important work on set theory; 2. **FISCHER, Otto.** *Konforme abbildung sphärischer dreiecke auf einander mittelst algebraischer funktionen.* Leipzig, 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, 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, 1869]. 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, each first printings of Lerch's contributions to general mathematical functions; 6. **MÉRAY, [Hugues Ch[arles Robert].** *Théorie des radicaux fondée exclusivement sur les propriétés générales des séries entières.* Dijon, [1885]. With annotations throughout probably by the author for another edition. First edition of Méray's famous work on radical theory based exclusively on the general properties of power series. No copies of Phragmén, Lerch or Méray are located by OCLC. \$ 10,500.00

CHRISTIAN TYPOLOGY

82. MATHER, Samuel. *The figures or types of the Old Testament, by which Christ and the heavenly things of the Gospel were preached and shadowed to the people of God of old; explained and improved in sundry sermons.* [Dublin], 1683. 4to. Modern calf. First edition, considered to be among the most significant and comprehensive treatises on Christian typology, the interpretation of people and events in the Old Testament in a manner that portends the life of Christ and events in the New Testament. Mather (1626-1671) was one of the first Fellows and graduates of Harvard University. \$ 8500.00

THE MOST WIDELY DISSEMINATED BOTANICAL BOOK OF ITS TIME

83. MATTIOLI, Petri Andreae. *Commentarii denuo aucti in libros sex Pedacii Dioscoridis Anazarbei de Medica Materia. Adiectis quamplurimis plantarum, & animalium imaginibus, quae in prioribus editionibus non habentur, eodem auctore. (bound with): Apologia adversus Amathum Lusitanum cum censura in eiusdem enarrationes.* Lyon: Gabriel Cotier, 1562. 4to. With 640 text woodcuts. Contemporary calf. First published in Italian in Venice, 1544, this is the first Latin edition printed in France. Mattioli's celebrated commentaries on Dioscorides is one of the great sixteenth-century herbals. \$ 12,500.00

GUNPOWDER NOT OF CHINESE ORIGIN?

84. MAYERS, Wm. Frederick. "On the introduction and use of gunpowder and firearms among the Chinese. With notes on some ancient engines of warfare, and illustrations." Offprint from the *Journal of the North China Branch of the Royal Asiatic Society*, Shanghai, 1872. With an appendix containing a list of works referred to in the paper. With 9 text illustrations. First edition. The author takes the position that the generally accepted notion that gunpowder is of Chinese origin is unlikely, based upon what he terms careful scrutiny of Chinese literature dealing with the introduction of explosive and projectile compounds in Chinese warfare and ordinary life. \$ 550.00

AMAZING PHOTOGRAPHS OF CHINA

85. MENNIE, Donald. *The pageant of Peking comprising sixty-six Vandyck photogravures of Peking & environs from photographs by Donald Mennie; with an introduction by Putnam Weale.* Shanghai: A.S. Watson, 1920, [1921]. Folio. With 40 pages of text, and 66 tipped-in Vandyck photogravures. Original blue silk cloth with Chinese cyphers. From the library of Charles R. Crane, with his business card noting: "Envoy Extraordinary and Minister Plenipotentiary of the United States of America." First edition, second issue. Mennie's marvelous images depict a record of the city, people, sights and architecture and "evoked a romantic vision of antique China, featuring shopkeepers, travelers, merchants, dusty caravans, misty villages, old palaces, the Forbidden City, and the Great Wall of China." \$ 3000.00

**HOW THE ACTUAL LENGTH OF A METER WAS FIGURED OUT
A UNIQUE COPY**

86. MICHELSON, Albert A. "Détermination expérimentale de la valeur du mètre en longueurs d'ondes lumineuses." Offprint from *Travaux et mémoires du Bureau International des Poids et Mesures*, Vol XI. Paris: Gauthier-Villars et Fils, 1894. 4to. Half morocco and marbled boards. A unique copy inscribed to astronomer Benjamin Apthorp Gould (1824-1896), who founded the Argentine National Observatory, from each member of the Comité Internationale du Poids et Mesures, with a photograph of them tipped in. First separate edition. Michelson describes the length of the international meter bar, which he originally measured in terms of wavelengths of cadmium light. He was the first American Nobel Prize winner for physics. \$ 1500.00

87. MILNE, Colin. *A botanical dictionary: or, elements of systematic and philosophical botany.* London: Symonds, 1805. 8vo. Contemporary calf. Third edition, revised, corrected and considerably enlarged with 25 hand-coloured plates, and 3 folding charts outlining the methods of Ray and Tournefort, as well as an analysis of Linnaeus' systems. \$ 650.00

B & L ROOTENBERG - *Fine & Rare Books*

88. **MINKOWSKI, Hermann.** *Diophantische Approximationen eine einföhrung in die Zahlentheorie.* Leipzig: B.G. Teubner, 1907. 8vo. Original publisher's printed boards. First edition of Minkowski's contribution to Diophantine approximations, the approximation of real numbers by rational numbers. \$ 300.00

89. **MOORE, Sir Jonas; PERKINS, Peter; FLAMSTEED, John; HALLEY, Edmund.** *A new systeme of the mathematicks.* . . . London: A[nne] Godbid and J[ohn] Playford 1681. Eight parts in two volumes. 4to. With 42 plates and 2 complete volvelles in Vol. I, 61 maps in Vol. II. Contemporary calf, rebacked. With numerous ownership annotations, including the stamp of W. Bayly, possibly the English astronomer who accompanied William Wales as astronomer on Cook's voyages. First edition of this extraordinary work. The first section covers arithmetic and algebra, geometry, trigonometry, and cosmology, with six finely engraved star charts probably by Flamsteed (whose own star atlas was not published until 1729). Chapters on navigation, astronomy and geography follow. The engravings in this work are particularly outstanding, depicting numerous astronomical and navigational instruments, as well as wonderful maps. \$ 27,500.00

GENETICS

90. **MORGAN, Lillian V.** Collection of 8 offprints. Morgan, wife of Thomas Hunt Morgan, was a graduate student of his at Bryn Mawr, and went on to become a cytologist and embryologist of considerable note. She worked closely with him as well as colleagues A.H. Sturtevant, C.B. Bridges, and H.J. Muller to develop genetic studies by using *Drosophila Melanogaster*. \$ 400.00

91. **MORHOF, Daniel Georg.** *Epistola de scypho vitreo per certum humanæ vocis fonum ruptô.* Kiel: Joachimus Reuman, 1672. 4to. Disbound. First edition of this unusual letter from Morhof to medical colleague Johann Daniel Major, recounting how an Amsterdam wine merchant had figured out how to break glasses with his voice. The author cites the earlier acoustic works of Boyle, Descartes, Kircher and more, including Daniel Bartoli, Rector of the Jesuit College of Rome, who is noted for providing the earliest modern exposition on the physics of sound. \$ 1500.00

92. **NEWTON, Isaac.** *Philosophiæ naturalis principia mathematica . . . editio tertia aucta & emendata.* London: William & John Innys, 1726. 4to. Engraved frontispiece portrait. Contemporary calf, rebacked. From the Trinity College Library in Dublin with its gilt arms on front cover and book label on the paste-down, and with the large bookplate showing the award of this book to William Andrews in 1742. This third edition was the last published during the author's lifetime and the basis of all subsequent editions. It contains a new preface by Newton, the restoration of Halley's verses, and a large number of alterations, the most important being the scholium on fluxions, in which Leibniz's name is omitted. \$ 19,500.00

THE FIRST CONTINENTAL EDITION OF NEWTON'S PRINCIPIA

93. **NEWTON, Sir Isaac.** *Philosophiæ naturalis principia mathematica . . . editio ultima auctior et emendator.* Amsterdam: Sumptibus Societatis, 1714. 4to. Folding engraved plate of cometary orbit. Contemporary vellum over boards. First Amsterdam edition of Newton's epoch-making work, taken from the second printed edition (1713). It is in this edition of the *Principia* that Newton's famous additions to the theory of the motion of the moon and the planets appear, as well as many other important additions and corrections. \$ 16,000.00

CLASSIC OF OPTICS

94. **[NEWTON, Isaac].** *Opticks: or, a treatise of the reflexions, refractions, inflexions and colours of light. Also two treatises of the species and magnitude of curvilinear figures.* London: Sam. Smith and Benj. Walford, 1704. 4to. With 19 folding engraved plates. Contemporary English paneled calf. First issue of the first edition. Newton here expounds his corpuscular or emission theory of light. His set of sixteen "queries" on the nature of matter was considered to be the most important feature of the *Opticks* and had a profound influence on scientific thought. This work is also distinguished for containing Newton's first printing of the two treatises on curvilinear figures, including his invention of "fluxional" calculus. \$ 60,000.00

B & L ROOTENBERG - Fine & Rare Books

PREDICTING THE FUTURE

95. NOSTRADAMUS. *The true prophecies or prognostications of Michael Nostradamus, physician to Henry II, Francis II, and Charles IX, Kings of France, and one of the best astronomers that ever were. A work full of curiosity and learning.* London: Thomas Ratcliffe, and Nathaniel Thompson, 1672. Folio. Without the frontispiece portrait, missing in about half the copies extant. Contemporary calf. First edition in English of the book of prophecies of Nostradamus. Each quatrain (4-line poem) is a prediction of future events, which Nostradamus claimed was based upon astrological assessment of the quality of an occurrence. Most deal with disasters, such as plagues, earthquakes, wars, floods, invasions, murders, droughts, and battles. Nostradamus has been credited with predicting numerous events in world history, from the Great Fire of London, and the rise of Napoleon and Hitler, to the September 11 attacks on the World Trade Center. \$ 4500.00

A PRESENTATION COPY SIGNED BY ØRSTED

96. ØRSTED, Hans Christian. *Naturlaerens mechaniske deel.* Denmark: Copenhagen: C.A. Reitzel, 1844. 8vo. Original cloth. From the library of Th[orvald] Bull with his bookplate; presentation to Georg Bull from Ørsted. First edition, extremely rare, of the author's comprehensive text of physical mechanics. Translated into German in 1851, the book ultimately became one of the Landmarks of Science series. \$ 1500.00

MASTER OF THE SMALL SWORD

97. OLIVIER, [J.] *Fencing familiarized: or, a new treatise on the art of sword play.* . . . London: John Bell, [1771]. 8vo. Folding engraved frontispiece and 8 fine engraved plates. English and French text on facing pages. Cloth-backed boards with paper spine label. First edition of Olivier's masterful descriptions of various fencing techniques, illustrated with elegant engravings. \$ 1250.00

98. PAINE, Thomas. *The political and miscellaneous works.* . . . London: R. Carlile, 1819. Two volumes. 8vo. Engraved frontispiece portrait. Half calf. First edition. This set contains eighteen separately paginated works, including letters and essays; all of Paine's major political writings are presented. The publisher states that one hundred pages of miscellaneous material was previously unpublished in Britain. \$ 950.00

STIMULATING POPULAR INTEREST IN FOSSILS

99. PARKINSON, James. *Organic remains of a former world. An examination of the mineralized remains of the vegetables and animals of the antediluvian world; generall 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 of one of the earliest systematic works on fossils. \$ 5500.00

RARE CATALOGUE OF SCIENTIFIC INSTRUMENTS DESCRIBED AND PRICED

100. PASSEMANT, [Claude-Simeon]. *Description et usage des télescopes, microscopes; ouvrages et inventions de Passemant, Ingénieur du Roi, au Louvre, à Paris.* [Paris: n.p., ca. 1763]. 8vo. Contemporary wrappers. Third (?) edition of this very rare manual in which the author introduces his newly-created instruments along with detail of their construction and use. It is remarkable that the last leaf containing the prices advertised has survived. Passemant was considered one of the best manufacturers of scientific instruments in Europe and was the first to build reflecting telescopes according to the Newtonian specifications. \$ 6500.00

REMEDIES FOR BOREDOM

101. [PASSERI, Giovanni Battista]. *Della seccatura discorsi cinque di l'antisiccio prisco. Dedicati a Nettuno. (together with) Della seccatura discorsi cinque posteriori di l'antisiccio prisco. Dedicati ai Tritoni.* Venice: Pietro Valvasense, 1753, 1755. Two volumes. 8vo. With 11 folding engraved plates. Original buff carta rustica wrappers. First edition (rare, with 3 copies in America) of both parts of this satirical study of boredom, literally translated as the drying up of wit and entertainment, dedicated to Neptune and Triton, the fish-tailed sons of Poseidon and presumably the patron saints of the opposite of boredom. Each section describes various forms of boredom, with wonderful and quite unusual illustrations. \$ 4500.00

B & L ROOTENBERG - *Fine & Rare Books*

UNIQUE COPY OF AN ETRUSCAN SURVEY

102. PASSERI, Giovanni Battista. *Syntagma antiquorum monumentorum etruscorum quae dissertationibus VII.* . . . Florence: E Typographio Albiziniano, 1744. Folio. With 31 plates, text illustrations, and 40 hand-ruled pages for addenda containing 10 pages of manuscript, as well as contemporary annotations throughout, presumably, in the neat, readable hand of previous owner Jacobi Biancani or Giacomo Biancani Tazzi (1729-1789) the renowned curator of the Museo d'antichità in Bologna. Quarter vellum over marbled boards. First edition of this rare elegant survey of Etruscan antiquities published at the dawn of Etruscology. Passeri showcases objects, architecture, monuments, and inscriptions with instructive commentary and a plethora of masterfully engraved plates. \$ 6500.00

103. [PATENT]. KRONER, Friedrich. *Pictorial representation on a transparent carrier.* United States Patent Office. October 19, 1937. Full page illustration on verso of top wrapper. Accompanied by oblong booklet entitled *Ford V8 Motor*, with 16 pages of transparencies (8 double-sided). Together the transparencies illustrate an automobile engine, with each transparency showing parts of the engine on both sides. As illustrated by the automobile engine in the accompanying booklet, Kroner has patented a process by which images can be placed on both sides of a transparent sheet, which, when layered, will provide the representation of the full object, but can be "dissected" when the layers are lifted. \$ 250.00

104. PEARSON, Karl. *Charles Darwin 1809-1882. An appreciation.* London: Cambridge University Press, 1923. 8vo. Frontispiece portrait of Darwin plus plate of Noah's Ark. Original printed wrappers. From the library of Arthur Cain, British evolutionary biologist and population geneticist. First edition of this lecture given by Pearson to the teachers of the London County Council on March 21, 1923. It includes a synopsis of Darwin's life as well as a "roughest outline" of Darwin's theory of evolution. \$ 150.00

CLASSIC WORK ON OPTICS AND PERSPECTIVE

105. PECKHAM, John. *Perspectivae communis libri tres.* Cologne: Heirs of Arnold Birckmann, 1580. 4to. Quarter vellum and marbled paper over boards. Rare illustrated edition of this classic work on optics, the most influential and widely read treatise on perspective and its underlying optical basis. \$ 4500.00

THE HUMANIST POPE

106. PIUS II, PONT. MAX (formerly Aeneas Sylvius Piccolomini). *Epistolae familiares. De Duobus amantibus euryalo et Lucretia. Descriptio urbis Viennensis.* Nuremberg, 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. A wonderful copy. 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. \$ 12,500.00

THE PHYSICS OF MOSES

107. PLUCHE, Abbé [Noël Antoine]. *The history of the heavens, considered according to the notions of the poets and philosophers, compared with the doctrines of Moses.* London: J. Osborn, 1740. Two volumes. 8vo. Frontispiece to each volume plus 23 full-page plates in Volume I. Contemporary polished calf. First edition in English of *Histoire du ciel considéré selon les idées des poètes, des philosophes, et de Moïse* (Paris, 1739), a rare and interesting treatise on the perception, both ancient and modern, of the universe, the creation, and the superiority of Moses' cosmogony. In attempting to make modern science conform to Genesis, Pluche basically refutes the entire range of speculation on the origin of the world which conflicts with Mosaic cosmogony. He even includes an in-depth discussion of Newton's work. \$ 2000.00

B & L ROOTENBERG - *Fine & Rare Books*

108. POE, Edgar Allan. *The raven and other poems.* (bound with) *Tales.* New York: Wiley and Putnam, 1845. Two works in one. 8vo. Complete with the 4 pages publisher's advertisements (beginning with "German Romance"). A beautiful copy with the original blindstamped cloth covers bound into a green morocco binding. First combined edition, containing the first edition, third printing sheets of *Tales* bound after the first edition, first printing sheets of *The raven.* \$ 15,000.00

PROVING THE "BASELESS FABRIC" OF THE NEWTONIAN SYSTEM

109. PRESCOT, Bartholomew. *The system of the universe.* . . . Liverpool: J. Lang, 1823. 4to. With frontispiece and 7 plates of engraved diagrams. Original boards. First edition, the author's second book on his observations of the universe. He responds to the critical reviews of his first book, in which he not only slams the reviewers but completely bashes Newton (and accuses him of plagiarism). Substantively, he discusses movement of the planets, explains the appearances of other planets from an immobile earth, the causes of inequalities of planetary motions and the mathematical computation of their orbits, and the nature of comets. While not bashing Newton and Laplace, he cites Biblical scholars as well as scientists Kepler and Halley, among others, as a foundation for his system, which he admits is not so different from that of Tycho. \$ 1800.00

110. PTOLEMAEUS, Claudius. *Liber de analemmate, a Federico Commandino Urvinatè instauratus, & commentariis illustratus, qui nunc primum eius opera e tenebris in lucem prodit.* Rome, 1562. 4to. Dolphin and anchor device on title, Greek and Roman types. Modern full calf in an antique style. First and only edition of Ptolemy's celebrated application of mathematics to astronomical problems. \$ 6500.00

111. REICHENBACH, Hans. *Philosophie der Raum-Zeit-Lehre.* Berlin: Walter de Gruyter, 1928. 8vo. Original cloth. First edition. Reichenbach here develops new applications in non-Euclidean geometry, gravitational theory and investigation of space and time. \$ 200.00

INDEPENDENT NAMING OF AMERICA

112. RITHAYMER, Georg. *De orbis terrarum situa compendium.* Nuremberg: Joh. Petreius, 1538. 4to. With full page woodcut map of the world. Contemporary vellum. First and only edition of this great rarity on the geographical description of the world. Among the many parts of the world the author describes is Mexico, Haiti, Cuba, and Brazil, as well as information on Japan, Madagascar and Java. With numerous anecdotes he describes the citizens he meets, their plants, animals, and customs. Of special interest is the last chapter attributing the discovery of the new world to Amerigo Vespucci and (independently) naming the land America. Among other works by the printer, Johannes Petreius, were the original edition of Copernicus's *De Revolutionibus*, 1543 and Cardano's *Artis Magnae* and *De subtilitate rerum.* \$ 12,500.00

FIRST RATDOLT EDITION, WITH THE FAMOUS WORLD MAP

113. ROLEWINCK, Werner. *Fasciculus temporum omnes antiquorum cronicas complectenes.* Venice: Erhard Ratdolt, 1480. Folio. Woodcut illustrations, diagrams, and initials throughout. Seventeenth-century hand-colored paper over boards. The first of four Ratdolt editions, the *Fasciculus Temporum* was the first "best seller" and the most popular historical narrative of its time. It is a summary of both ecclesiastical and secular world history. The woodcut illustrations include the Temple of Solomon, the Tower of Babel, and views of important cities, including Athens, Rome, Jerusalem, Byzantium, Cologne, and Venice. Printers of earlier editions did not include a map, but Ratdolt inserted one here, a T-O type. \$ 14,500.00

THE FIRST NOBEL PRIZE WINNER IN PHYSICS

114. RÖNTGEN, Wilhelm Konrad. "Eine neue Art von Strahlen." (**offered with**) "Eine neue Art von Strahlen. II. Mittheilung (Fortsetzung und Schluss)". Offprints from *Sitzungs-Berichten der Physikalisch-medicinischen.* Würzburg: Stahel, 1895, 1896. Original printed wrappers. First edition (fourth issue of the first paper, with the 2 additional pages) of the first published reports on the sensational discovery of X-rays. \$ 18,000.00

B & L ROOTENBERG - *Fine & Rare Books*

MAGNIFICENT ANATOMY FOR ARTISTS

115. SALVAGE, Jean-Galbert. *Anatomie du gladiateur combattant, applicable aux beaux arts, ou traité des os, des muscles, du mécanisme des mouvements, des proportions et des caractères humain.* Paris: Chez l'Auteur, de l'Imprimerie de Mame, 1812. Folio. Frontispiece and 21 large copperplates, 16 printed in red and black. Contemporary quarter-calf. First edition of this rare and beautiful anatomy in which Salvage uses several well-known classical sculptures for his subjects. The plates are color coded with the muscles in red ink and the bones in black ink. The text includes a detailed treatise on osteology and myology, mechanics of muscular motion, proportions of the adult male, female and child's body, including differences due to age, etc. \$ 6000.00

SCHUYLER FAMILY MANUSCRIPT AND ACCOUNT BOOK

116. SCHUYLER, Philip. [Manuscript]. *Ledger of accounts.* 1814-1825. Folio. Ledger of accounts and real estate transactions of the Schuyler family of Schuylerville (formerly Saratoga), New York, in the hand of Philip Schuyler (1788-1865), the only son of John Bradstreet Schuyler and Elizabeth (Van Rensselaer) Schuyler and a grandson of Major General Philip John Schuyler. The family settled in and around Saratoga in the late 17th century. The area is best known for the surrender of General Burgoyne's army, a turning point of the Revolutionary War. Schuyler hosted many important politicians after the war, including Washington, Benjamin Franklin, Alexander Hamilton (family) and the Count De Marquis. The account book represents the various transactions with residents and businesses in Schuylerville during more than a decade in between the Revolutionary and Civil Wars. (offered with) ALS. Thomas E. Vermilye, New York, March 17, 1845. 1 ½ pp. Addressed to James K. Polk, President of the United States, Vermilye, pastor at the Collegiate Dutch Church in New York, writes to recommend Philip Schuyler for employment he is apparently seeking with the federal government. (offered with) ALS. Possibly from Col. John Church Hamilton (1795-1882), son of Elizabeth Schuyler and Alexander Hamilton. London, December 24, 1841. 3 pp. To his uncle, Philip Schuyler, who was the United States Counsel to Liverpool at the time. \$ 7500.00

AN EPOCH-MAKING BOOK IN MEDICAL LITERATURE

117. 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. Few copies of this work have survived and ours is notable for being in excellent condition. \$ 40,000.00

PRESENTATION COPY WITH WONDERFUL PROVENANCE

118. SEWARD, Anna. *Memoirs of the life of Dr. Darwin, chiefly during his residence at Lichfield with anecdotes of his friends and criticisms of his writings.* London: J. Johnson by T. Bensley, 1804. 8vo. Author's presentation copy; from the libraries of William Hayley, biographer of William Cowper; the British historian and prolific writer G.M. Trevelyan, and George Knight, solicitor. First edition. Seward was a friend of Scott, Johnson, Boswell, and especially Erasmus Darwin. The present work is mainly anecdotes of the early part of Darwin's life. Seward here claims to have written the verses that form the *Botanic garden*. \$ 950.00

119. SHAPLEY, Harlow. Collection of 10 offprints. 1917-1958. Shapley was director of Harvard Observatory. He did notable research work in photometry and spectroscopy, and among other things determined the size of the Milky Way and the position of its center as well as the position of the sun in the galaxy. The collection includes eight items by Shapley and two from his library. \$ 900.00

120. SMYTH, Henry DeWolf. *A general account of the development of methods of using atomic energy for military purposes under the auspices of the United States Government 1940-1945.* [Washington, D.C.: War Department], August, 1945. 4to. Original cream-coloured textured wrappers, stapled as issued, dated August 12, 1945. A fine copy from the library of Joseph Houghton of the Department of Justice, with 2 letters laid in. Original advanced lithoprint issue for distribution to the press. None of the mimeograph or ditto copies of this report are believed to be complete, and lithoprint versions are all unique in some way. The Smyth report was a "remarkably full and candid account of the development work carried out between 1940 and 1945 by the American-directed but

B & L ROOTENBERG - *Fine & Rare Books*

internationally recruited team of physicists, under the code name of 'Manhattan District', which culminated in the production of the first atomic bomb" (PMM). \$ 2500.00

RARE EXORCISM MANUAL

121. STAMPA, Pietro Antonio. *Fuga satanae. Exorcismus ex sacrarum litterarum fontibus, pioque sacros. Ecclesiae instituto exhaustus.* Lyon: Claude Landry, 1619. 8vo. Later edition (first, 1597) of this extremely scarce authorized guide to performing an exorcism, with an emphasis on curing victims of witchcraft. \$ 4500.00

THE MATHEMATICS OF SHOOTING

122. STARRAT, William. *The doctrine of projectiles demonstrated and apply'd to all the most useful problems in practical gunnery. To which is added, the description and use of a new mathematical instrument. Together with several curious properties of projectiles never before publish'd.* Dublin: S. Powell, 1733. 8vo. With the list of subscribers and 4 folding engraved plates. First edition. Starrat's most important work includes a description of new mathematical instrument which provides accurate trajectory data as well as measuring the height or distance of an object on any plane. \$ 1500.00

UNDERWATER MINES AND EXPLOSIVES

123. STOTHERD, Major R[ichard] H[ugh]. *Notes on defence by submarine mines.* Chatham: Printed at the School of Military engineering, 1871. 8vo. With 116 text figures. First edition of the first textbook on submarine mining published in England. The author treats various types of explosives, detailing the best type to use depending upon the location (deep sea, inlets, lakes, etc.), and how to construct mines. Of particular importance is the mooring and ignition mines, as well as the process of testing, which apparently is quite important in the manufacture and ultimate use of this type of weaponry. \$ 1250.00

124. THEODORICUS [Dietrich], Sebastian. *Novae qvestiones sphaerae, hoc est, de circulis coelestibus, et primo mobili, in gratiam studiosae iuventutis scriptae.* Wittenberg: Johannes Crato, 1564. (**bound with**) **GARCAEUS [Gartze], Johannes.** *Primus tractatus brevis et vtilitis de tempore, con scriptus in gratium studiosorum.* Wittenberg: Johannes Crato, 1563. With 11 folding tables. Two works in one. 8vo. Bound in contemporary limp vellum made from an early fifteenth-century manuscript, contemporary annotations. I. First edition. This introduction to astronomy by the Wittenberg professor of mathematics, written in the form of a series of questions and answers, became the standard astronomy text for German universities. II: First edition of Garcaeus' first treatise on time measurement. The author here correlates the time measurements of the ancients (Egyptians, Greeks, Romans, etc.) with the contemporary Julian calendar utilizing various astronomical measurements, including lunar and solar cycles, rise and fall of fixed stars, and the movements of the planets. \$ 13,500.00

THE VERY RARE FIRST PRINTING OF ONE OF THE EARLIEST SWIMMING MANUALS

125. THÉVENOT, Melchisédech. *L'art de nager, démontré par figures. Avec des avis pour se baigner utilement.* Paris: Thomas Moette, 1696. 12mo. With 35 full-page plates. Tree skin calf binding. First edition of this extremely scarce treatise on swimming, considered one of the earliest books on the subject. \$ 8500.00

126. THYRAEUS, Petrus. *De apparitionibus spirituum, dei, angelorum, daemonum et animarum humanorum libro uno...Posterior continet divinarum seu dei in veteri testamento apparitionum & locutionum tam extenarum, quam internarum libros quattuor nunc primum edtos.* Koln: Maternus for Goswin Cholinus, 1600. 4to. Contemporary vellum. First edition of this famous treatise on spirits, apparitions, ghosts and demons. Thyraeus describes the activities of the spirit world by identifying as many authentic cases of the powers of spirits. He fully treats the power of demons and the extent to which God permits them to exert it, stating how the opposing power of prayer can make the wicked spirits disappear. He goes on to discuss possessed people, superstition and mysticism of the perverse. \$ 3500.00

B & L ROOTENBERG - Fine & Rare Books

SEEING SOUNDS: THE TONOMETER

127. TILLMAN, Samuel D. *A treatise on musical sounds, and an explanation of the tonometer.* New York: Hoffman & Pennal, 1860. 4to. With large color diagram and revolving disc. Publisher's blind-stamped cloth. First edition. This scarce and unusual book was marketed as a solution for irked music teachers and those who lacked "an ear for music," as the author so gently put it. Tillman intended for his tonometer "to give every sound a definite position which can be readily distinguished and measured by the eye." \$ 1250.00

MOVING BEYOND MEDIEVAL ALCHEMY INTO MODERN DISTILLATION

128. ULSTADT, Philipp. *Coelum philosophorum seu de secretis naturae liber. Denuo reuisus & castigatus.* [Strassburg: for the Author, 1525]. Folio. Numerous text woodcuts. Contemporary vellum. First edition of this extremely rare work which served as "a standard authority on the preparation and use of distillates for nearly a century" (DSB). It is one of the most important early books on the chemicals that can be prepared in more or less pure form by the process of distillation, and contains additional comments on their medicinal uses. By emphasizing the medical efficacy of chemical distillates, Ulstad more clearly defines the boundaries between medieval astrology/pharmacology and substantive chemistry and medicine, preparing the way for the more intimate connection between these two disciplines. \$ 45,000.00

FOUNDING OF THE INTERNAL REVENUE SERVICE

129. [UNITED STATES GOVERNMENT]. *United States Tax Law of 1862.* Albany: Weed, Parsons & Co., 1862. 8vo. Original printed wrappers. First printing of the Albany Evening Journal edition, one of the first (if not the first) announcements. The Office of the Commission of Internal Revenue was created because of the mounting public debt caused by the Civil War. Rare, with only 5 copies located. \$ 2000.00

STIRRING IT UP IN THE SCIENTIFIC COMMUNITY

130. URE, Andrew. *A new system of geology, in which the great revolutions of the earth and animated nature, are reconciled at once to modern science and sacred history.* London: Longman, Rees, Orme, Brown & Green, 1829. 8vo. With 7 plates and 51 text wood engravings. Modern half-morocco over marbled boards. First edition. Ure felt that geologists were undermining the foundations of religion and morality, and attempts here to reconcile contemporary geological discoveries with the Mosaic account of creation. The plates represent fossil shells of the successive mineral strata with the generic and specific names according to Sowerby. \$ 450.00

THE EIGHTH PRESIDENT

131. VAN BUREN, Martin. *Document signed.* 1 page (256 x 410 mm.) July 28th, 1838. Washington. Folded, small hole in 1 fold not affecting any printing or manuscript. Seal intact. Land grant of eight acres to John Jarret (?) Johnson of a parcel located in Shawneetown, Illinois. Public lands were allowed to be sold pursuant to an act of Congress of April 24, 1820. As such, this grant was signed by the President as well as the (acting) Recorder of the General Land Office. \$ 450.00

DEATH ANNOUNCEMENTS

132. VAN DER AA, L. *Lettres de décès.* Brussels: Van Der AA, [ca. 1937]. Folio. Printer's sample book with 43 tipped-in examples of funereal and memorial letters dated between 1898 and 1937. Rare collection of interesting examples of letters of condolence and sympathy to send to the bereaved. When the family of a deceased wanted a step above placing the same old notice in the obituary pages of the local newspaper, they sent out formal printed letters of their loss, such as those found here. Van der aa was the printer and lithographer to the Court of Brussels. \$ 1800.00

ILLUSTRATED MEDICAL TREATMENT OF ANIMALS

133. [VETERINARY MEDICINE]. *Viehartznei. Erziehung, Gebrauch, Lernung, Artznei in zûffelligen vnd natürlichen Kranckheyten, aller zahmen, dem menschen gebräuchlichen, vnd geheymen Thier vnd viehs.* Frankfurt: Christian Egenolff [1535]. 4to. Woodcuts by Hans Weiditz depict a charming stockyard scene on the title page, and a trio of men with a horse on the first leaf (two of the three men have their eyes gouged out, presumably by a previous owner), plus 16 additional smaller text woodcuts of animals. This rare treatise on veterinary medicine

B & L ROOTENBERG - Fine & Rare Books

is distinguished for being the first illustrated edition from the 1530 printing. Much of the text is focused on equestrian care and medicine, with information on treating a variety of maladies including equine cancer and gallbladder disease. The latter part explains the husbandry and medical treatment of other livestock along with a short section on apiculture. \$ 12,500.00

134. 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 contains 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

HISTORY AND PRESENT ISSUES OF THEORETICAL ASTRONOMY

135. WATSON, James C. *Theoretical astronomy relating to the motions of the heavenly bodies revolving around the sun in accordance with the law of universal gravitation.* London: Trubner & Co., 1868. 4to. Publisher's pebbled cloth. First edition of this thorough and valuable investigation of theoretical astronomy. Watson provides an in-depth analysis of planetary motion and the discovery of new comets, noting in his preface the fundamental complications of dynamics and its related problems. \$ 1650.00

THREE WEISMANN OFFPRINTS FROM HIS OWN LIBRARY

136. WEISMANN, August & ISCHIKAWA, Chiyomatsu. *Weitere untersuchungen zum zahlengesetz der richtungskorper (Further investigations into the statutory number of polar bodies). (with) Äussere Einflüsse als Entwicklungsreize (External influences as a stimulus for development). (with) Neue gendanken zur vererbungsfrage (new thoughts on inheritance).* Jena: Gustav Fischer, 1888, 1894, 1895. Original printed wrappers. Two are presentation copies with Weismann's signature, the third is stamped "Ueberreicht vom Verfasser." First editions of three offprints on animal development, treating both preformation and epigenesis, and inheritance, including the first proposal of germinal selection, the theory of hierarchical selection. \$ 2400.00

137. WHISTON, William. *A new theory of the Earth, from its original, to the consummation of all things.* London: R. Roberts, for Benj. Tooke, 1696. 8vo. With frontispiece and 7 plates. Later morocco in an antique style, contemporary annotations. First edition. Whiston approached the question of the origin of the earth as a problem of physics, combining theology with Newtonian concepts. \$ 1800.00

THE STANDARD OF AMERICAN LITERATURE

138. 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 an excellent 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

EARLY CRYPTOLOGY AND CRYPTOGRAPHY

139. WILKINS, John. *Mercury, or the secret and swift messenger: shewing, how a man may with privacy and speed communicate his thoughts to a friend at any distance. . . .* London: I. Norton, 1641. 8vo. Contemporary morocco. First edition, quite rare, of Wilkin's valuable treatise, considered to be the basis for his later tracts on universal language and popular education. It contains a wealth of examples on cryptography, and also includes discussions on cryptology - - secret communication by speaking, and semeology - - communications by signs and gestures. \$ 6950.00

B & L ROOTENBERG - Fine & Rare Books

AN EXTREMELY VALUABLE WORK

140. 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. First edition. Williams combines very practical information regarding mining and mineralogy with both social commentary as well as observations on the deluge and the evolution of the earth following the flood. \$ 2500.00

THE STANDARD EUROPEAN TEXT ON OPTICS

141. WITTELO. *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. Numerous woodcut illustrations throughout text. First 4 numbered leaves (following preliminaries) are in facsimile on old paper. Full blindstamped calf in an antique style. First edition of the earliest treatise on optics written by a European, containing not only a summary of all that was known on optics to the ancients and to Alhazen, but also some original investigations. Witelo 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 various mirrors. \$ 40,000.00

**IN ADDITION TO THE ABOVE, WE ARE PLEASED TO OFFER A COLLECTION OF
SIXTEENTH THROUGH NINETEENTH CENTURY MAPS**