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A SELECTION OF BOOKS EXHIBITED AT THE HISTORY OF SCIENCE SOCIETY MEETING CHICAGO, NOVEMBER 7-9, 2014

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

RARE SPANISH LANGUAGE EDITION

1. **ACCUM, Fredrick; CASASECA, Don José Luis.** *Recreaciones químicas, que contienen una serie de experimentos curiosos é instructivos que pueden ejecutarse con facilidad y sin el menor peligro.* Paris: Jules Renouard, 1826. Two volumes. 8vo. Contemporary calf. Apparently the first Spanish translation. Interesting, as both Cole and Neville cite the first Spanish edition of *Chemical amusement* being printed in 1836. Accum's work became "one of the most popular expositions of elementary chemistry of the time, which did much to bring the study of the science to the attention of the general public." It contains a collection of 160 "varied and easily performed experiments designed to stimulate interest and to educate." \$ 600.00

BIOGRAPHIES

2. **ARAGO, Francois.** *Biographies of distinguished scientific men.* London: Longman, Brown, Green, Longmans, & Roberts, 1857. 8vo. Cloth boards. First edition in English of this collection of scientific biographies, including those of Bailly, Herschel, Laplace, Fourier, Carnot, Fresnel, Thomas Young, and James Watt, as well as a brief autobiography of the author. \$ 200.00

SCIENTIFIC AND PHILOSOPHICAL WORKS



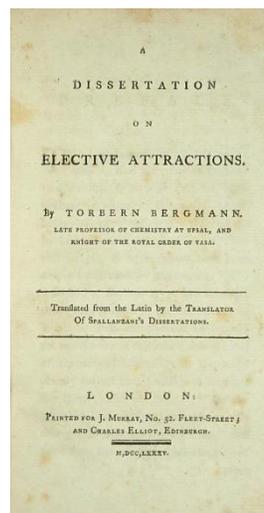
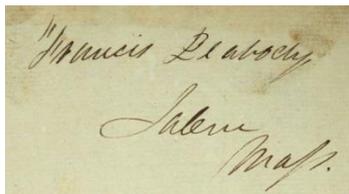
3. **ARISTOTLE.** *Aristotelis stagyritae acroases physicae libri VIII. (bound with) Aristotelis stagyritae libri de coelo III . . . libri de generatione II . . . libri meteororum III. (bound with) Aristotelis stagyritae philosophi de anima libri III . . . de sensu & sensato liber I; de memoria & reminiscentia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

ATTACK ON THE ROYAL SOCIETY

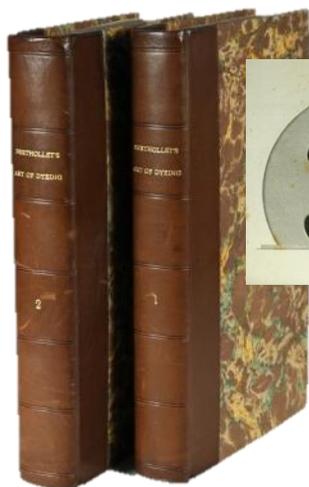
4. **BABBAGE, Charles.** *Reflections on the decline of science in England, and on some of its causes.* London: B. Fellowes, 1830. 8vo. First edition. Babbage, a founding member of the Analytical Society, in a political rant decimates the president of the disorganized Royal Society for his power, the Society's pandering to the nobility, and the system of management by which the Royal Society is governed. \$ 1250.00

CHEMICAL REACTIONS

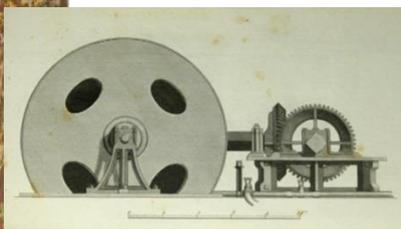
5. **BERGMANN, Torbern.** *A dissertation on elective attractions . . .* Translated from the Latin by the translator of Spallanzani's dissertations [Thomas Beddoes]. London: Printed for J. Murray, 1785. 8vo. With 7 folding tables. Contemporary calf. Bookplates of Arnold Thackray and the Essex Institute on paste-down, and the ownership signature of Francis Peabody, president of the Essex Institute, on the first free endpaper. First edition in English of the author's classic work on elective affinities. "In the present work he published his important tables of chemical reactions and advanced a simplified version of Macquer's classification of types of reaction." His tables are still considered substantially correct and complete. \$ 1250.00



SCIENTIFIC METHODS APPLIED TO AN ANCIENT ART



6. **BERTHOLLET, C[laude] L[ouis] & A[medee] B.; URE, Andrew (trans.).** *Elements of the art of dyeing; with a description of the art of bleaching by oxymuriatic acid.* London: Printed for Thomas Tegg, et al., 1824. Two volumes. 8vo. With 9 engravings. Quarter calf and marbled boards; a beautiful, clean copy. First edition of Ure's translation (second complete edition in English). The Berthollet's work is considered the first modern book on dyeing techniques and principles, an attempt to "place the ancient craft of dyeing on a scientific basis" (DSB). \$ 800.00

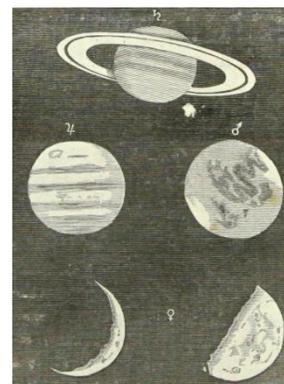
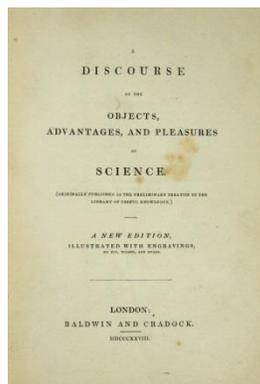


CHEMICAL COMBINATIONS

7. **BRANDE, William Thomas.** *Tables in illustration of the theory of definite proportionals; shewing the prime equivalent numbers of the elementary substances and the volume and weights in which they combine.* London: John Murray, 1828. 8vo. Original cloth-backed boards, spine label; overall in superb condition. First edition and considered "very scarce and not in the usual chemical bibliographies" (Neville). Noted as a significant book in the development of the theory of chemical combination, in which the combining weights of the known elements are presented in tabular form. \$ 750.00

**PRELIMINARY TREATISE FOR THE LIBRARY OF USEFUL KNOWLEDGE
ONE OF 26 PRESENTATION COPIES**

8. [BROUGHAM, Lord Henry]. *A discourse of the objects, advantages, and pleasures of science.* London: Baldwin and Cradock, 1828. 8vo. With numerous mounted illustrations. Original paper boards. Second edition, greatly enhanced from the 48-page first printing the year before. A special copy, one of 26 printed on thick India proof paper with special illustrations and signed by the author. Originally published as the preliminary treatise to “The library of useful knowledge,” promoted by the Society for the Diffusion of Useful Knowledge (active 1826-1846), this work sought to make esoteric science and math related subject matter accessible to the middle and working classes. The author, the first Lord Brougham, who became Lord Chancellor, was one of the founders of the University College London.



\$ 450.00

THE RELATIONSHIP BETWEEN ORGANISMS AND THEIR ENVIRONMENT

9. CABANIS, P[ierre] J[ean] G[eorges]. *Rapports du physique et du moral de l'homme, avec une table analytique par M. Sue, et une table alphabétique par M. Le Cte de T[racy].* Paris: Chez Béchét Jeune, 1824. Two volumes. 8vo. morocco-backed marbled boards. Cabanis's fundamental work of social ecology, in which he vigorously seeks a biological component in the study of human psychology and moral systems, tracing relationships between physical constitution and ideas, and kinesthetics and psychic functions.

\$ 350.00

DEDICATED TO DALTON

10. DAUBENY, Charles. *An introduction to the atomic theory, comprising a sketch of the opinions entertained by the most distinguished ancient and modern philosophers with respect to the constitution of matter.* Oxford: Printed by S. Collingwood for John Murray, 1831. 8vo. Half-calf and marbled boards. (offered with) *Supplement to the introduction to the atomic theory: comprehending a sketch of certain opinions and discoveries bearing upon the general principles of chemical philosophy, which have been brought into notice since the publication of that work.* London: J. Murray, Albermarle-Street, and J. H. Parker, Oxford, 1840. 8vo. Original printed paper wrappers. **I:** First edition. Described by Knight as “the standard English work on chemical atomism in the generation after Dalton. **II:** First edition of the supplement. The preface includes a summary of Daubeny's position on reform of Oxford University's course of instruction to include the natural sciences as an integral part of the general liberal arts curriculum.

\$ 300.00

11. DAVY, Sir Humphrey. *Elements of chemical philosophy. Part I. Vol I.* London: J. Johnson & Co., 1812. 8vo. Lacking the leaf of advertisements, but containing the rare errata leaf and appendix, which are missing in most copies. Blind-tooled morocco; a very good copy with the occasional annotation or handwritten correction. First edition of “a classic book, published when Davy was in his prime and carrying out his best work” (Neville). He describes fluorspar, the origin of fluoric compounds, the naming of hydrofluoric acid, and his modification of Lavoisier's classification of the elements. In addition, the volume contains his contributions to the new science of electrochemistry.

\$ 1250.00

THE TRUE FIRST EDITION

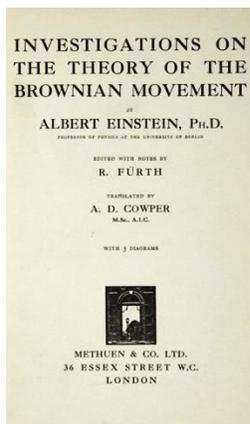
12. [DE MORGAN, Augustus]. *On probability. Published under the superintendence of the Society for the Diffusion of Useful Knowledge.* London: Baldwin and Cradock, [1830]. 8vo. Binding appears to be the original publisher's blind-stamped cloth. A complete copy in superb condition. First edition, printed as part of "The Library of Useful Knowledge." De Morgan's work on probability is best known for creating the foundation upon which actuarial calculations of life insurance policy risks were built. What is less known is that this is the true first edition of his treatise on probability; the better known *Essay on probabilities* (1838) was a re-issue of this work by a different publisher. \$ 750.00

INDUSTRIAL CHEMISTRY

13. [DOSSIE, Robert]. *The laboratory laid open, or, the secrets of modern chemistry and pharmacy revealed: containing many particulars extremely necessary to be known to all practitioners in medicine.* London: Printed for J. Nourse, 1758. 8vo. Contemporary calf. First edition of the author's first and best known work, providing an excellent overall view of industrial chemistry in the mid-eighteenth century, including descriptions of furnaces and distillation apparatus. \$ 550.00

THE FOURTH DIMENSION

14. EINSTEIN, A., LORENTZ, H., & MINKOWSKI, H. *Das Relativitätsprinzip. Eine Sammlung von Abhandlungen.* Leipzig: Teubner, 1913. 8vo. With frontispiece portrait of Minkowski. Boards. Sammelband containing the original papers on the special and general theories of relativity. It is in Minkowski's famous paper, *Raum und Zeit* (Space and time), that he proposes the concept of time as the fourth dimension and initiates a mathematical study that became the basis of the later development of the theory. \$ 450.00

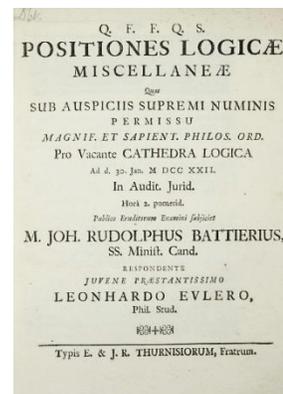


BROWNIAN MOTION

15. EINSTEIN, Albert. *Investigations on the theory of the Brownian movement.* London: Methuen & Co., [1926]. 8vo. Publisher's cloth. First edition in English of six of Einstein's works regarding Brownian motion. Einstein's original papers support his prediction that random motions of molecules in a liquid impacting on larger suspended particles would result in irregular, random motions of the particles. \$ 350.00

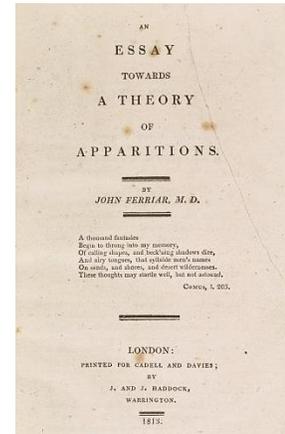
EULER'S FIRST PUBLICATION

16. 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

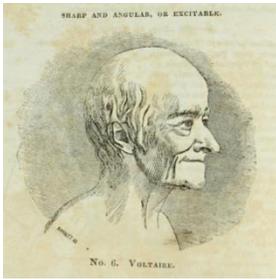


SEEING GHOSTS

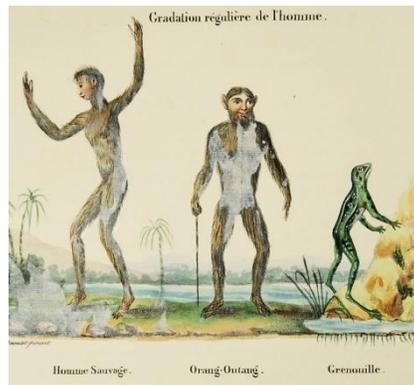
17. **FERRIAR, John, M.D.** *An essay towards a theory of apparitions.* London: Cadell and Davies, 1813. 8vo. Half-vellum and marbled boards, uncut. First edition. With an interest in psychological phenomena, Ferriar here shows from historical examples and his own clinical experience ‘that morbid disposition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



GET TO KNOW YOURSELF



18. **FOWLER, O.S. & L.N.** *The illustrated self-instructor in phrenology and physiology, with one hundred engravings, and a phrenological chart of character.* New York: Flowlers and Wells, 1850. 12mo. Original printed wrappers, stitched as issued. First edition (copyright is 1849, and subsequent editions mention later printings on the title page; the front wrapper notes “mail edition” at the top). A set of charts with explanations for conducting one’s own phrenological examination. There are text engravings to illustrate the entire process. An interesting way to learn about oneself on a rainy evening. \$ 200.00



A MONUMENTAL WORK OF OUTSTANDING BEAUTY PRESENTATION COPY WITH A POSSIBLE DARWINIAN INTEREST

19. **G[AMA] M[ACHADO], [José Joaquim da].** *Théorie des ressemblances, ou essai philosophique sur les moyens de déterminer les dispositions physiques et morales des animaux, d'après les analogies de formes, de robes et de couleurs.* Paris: Treuttel, Wurtz, Delauna, and Fournier, 1831; 1836; 1844. Three volumes. Folio. Complete with all 37 hand-colored plates. Bound in boards, original printed wrappers pasted on. With the Author's presentation inscription: “A son Excellency Monsieur de Noronha, hommage respectueux de l'Auteur, José Joaquim da Gama Machado” (to an official of Noronha, officially called Fernando de Noronha, an archipelago of islands off the coast of Brazil). First editions, rare, one of only 50 copies. This fascinating work contains the author's theory of resemblances among animals, birds, insects, plants, etc. Gama Machado devoted himself exclusively to investigating the behavior of the various species he had collected, and based these volumes on his many years of personal observation. \$ 9500.00



RECONCILING ASTROLOGY WITH THE NEW ASTRONOMY

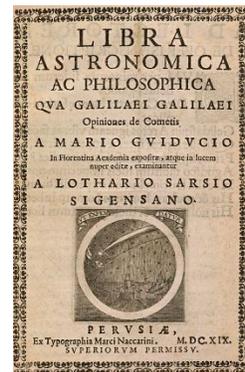
20. GARIBUS, Ioannis. *De phaenomenis ostentis, ab anno MDCXLI ad MDCL. Opusculum d. Ioannis Garibi. philosophiae, ac astrologiae periti. Cum interpretationibus clarissimorum Virorum Leonardi Busseri Louanien, Clauddi Lamberti Burgundi, Sancii de Huerta Vallisoletani, Christophori Brahae Dani.* Venetiis: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

CHIEF WORK ON CELESTIAL MECHANICS

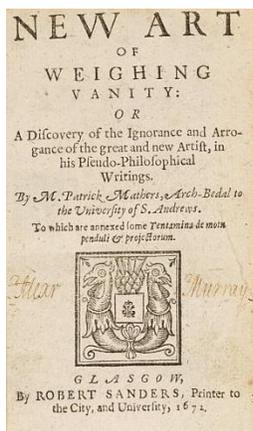
21. GAUSS, Carl Friedrich. *Theoria motus corporum coelestium in sectionibus conicis solem ambientium.* Hamburg: Perthes & Besser, 1809. 4to. First edition, a classic of astronomy and mathematics. Gauss introduces the principle of curvilinear triangulation and the four formulae in spherical trigonometry known as "Gauss's Analogies," by which he was able to accurately calculate and predict orbit location. \$ 5500.00

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

22. [GRASSI, Orazio]. *Libra astronomica ac philosophica qua Galilaei Galilaei, opiniones 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



BRIDGING GALILEO AND NEWTON

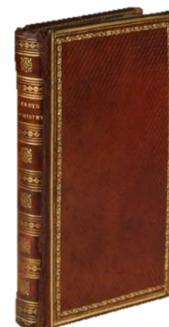


23. [GREGORY, James]. *The great and new art of weighing vanity: or a discovery of the ignorance and arrogance of the great and new artist, in his pseudo-philosophical writings . . . To which are annexed some Tentamina de motu penduli & projectorum.* Glasgow: Robert Sanders, 1672. 8vo. Contemporary calf. 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

BIBLIOGRAPHY OF THE EVOLUTION OF CANCER

24. **HAAGENSEN, Cushman D., M.D.** "An exhibit of important books, papers, and memorabilia illustrating the evolution of the knowledge of cancer." Reprinted from the *American Journal of Cancer*, Vol. XVIII, No. 1, May, 1933. [New York: Institute of Cancer of Columbia University, 1933]. 4to. Original wrappers bound into half-morocco and blue cloth. First separate edition of the catalogue for an exhibit on tumors at the New York Academy of Medicine, October 17 to 28, 1932. The catalogue, listing 158 items, is a virtual bibliography of the disease up to the date of the exhibit. \$ 350.00

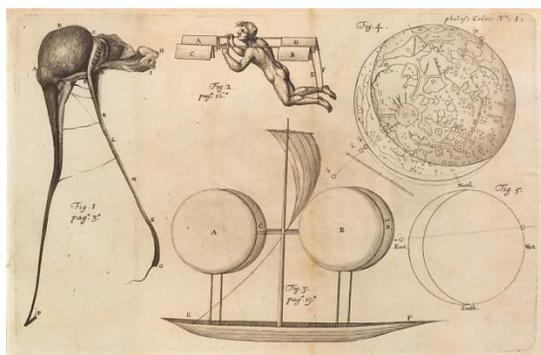
25. **HENRY, William.** *An epitome of chemistry in three parts. Part I. Intended to facilitate, to the student, the acquisition of chemical knowledge by minute instructions for the performance of experiments. Part II. Directions for the analysis of mineral waters of earths and stone, of ores of metals, and of mineral bodies in general. And Part III. Instructions for applying chemical tests and reagents to various useful purposes.* London: J. Johnson, 1803. 8vo. Original calf; an excellent copy with an armorial bookplate, most likely the Winston-Taylor family of Erlstoke, Wiltshire and Haughton Grove, Jamaica, with the motto *In hoc signo vinces*. Considerably enlarged third edition containing recent discoveries and correcting those errors from the first two editions. \$ 450.00



POSSIBLY ACCOMPANIED DARWIN ON THE BEAGLE

26. **HIGGINS, William.** *Experiments and observations on the atomic theory, and electrical phenomena.* Dublin: Graisberry and Campbell, 1814. **(bound after) MEYLER, Anthony.** *Observations on ventilation . . . lectures delivered on the subject at the request of the Dublin Society. . . .* London: Longman, Hurst, Rees, Orme and Brown, [1822]. Two works in one. 8vo. Contemporary calf over marbled boards. From the library of John Lort Stokes, British admiral who served on the Beagle with Darwin. Bookplate of the British chemist Franz Sondheimer. First edition of Higgins' book, which is "an attack on Dalton, whom the author claimed to have anticipated." Second edition of Meyler's work on ventilation. \$ 1850.00

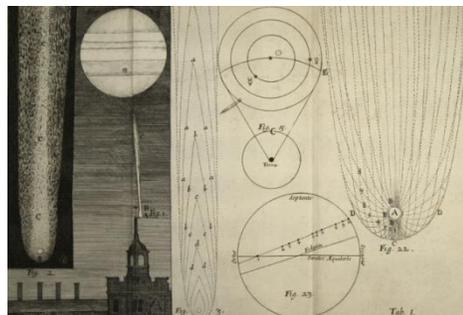
THE MISSING PHILOSOPHICAL TRANSACTIONS



27. [**HOOKE, Robert, ed.**]. *Philosophical collections, containing an account of the physical; anatomical, chymical, mechanical, astronomical, optical, or other mathematical and philosophical experiments and observations as have lately come to the publisher hands. . . .* London: [John Martyn], Moses Pitt, and Richard Chiswell, 1679-82. Seven issues (all published) in one volume. 4to. With 7 engraved plates (6 folding). Bound together in contemporary marbled boards. First edition of the complete *Philosophical collections*, printed in a very small edition, and now exceptionally rare. The death of the Royal Society's secretary, Henry Oldenburg, in 1677 interrupted the publication of the *Philosophical transactions*. These scientific papers, edited by Hooke, were issued to fill the void until it resumed again in 1682. Included are contributions by Hooke, as well as Leeuwenhoek's announcement of the "discovery of spermatozoa"; Lana's "flying chariot"; Tyson's *Anatomy of a porpess* (sic); and astronomical observations by Hevelius, Flamsteed, and Cassini on the eclipse of Jupiter by the moon in 1679 and 1681. In addition, discoveries by Moxon, Malpighi, Thomas Burnett, Edmund Halley, Bernoulli, and Leibniz are included. \$ 24,000.00

SUPPLEMENT TO THE MICROGRAPHIA

28. **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

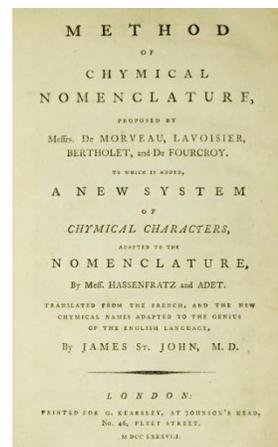


INVENTOR OF SIGN LANGUAGE

29. [**L'ÉPÉE, Charles Michel de**]. *Institution des sourds et muets, par la voie des signes méthodiques; ouvrage qui contient le projet d'une langue universelle, par l'entremise des signes naturels assujettis à une méthode.* Paris: Nyon l'ainé, 1776. Two parts in one. 8vo. Contemporary mottled calf. An excellent copy with early ownership inscription. First edition of the first part, together with a reprint of the author's collection of letters first published in 1774, and here used to complement and illustrate his methods. The Abbe de l'Épée was the pioneer of deaf-mute instruction and founder in 1755 of the first school for the deaf in Paris. He describes in detail his system of instruction, and proposes a universal language to be used by any deaf-mute, regardless of nationality. \$ 1500.00

THE FOUNDATION OF MODERN CHEMICAL NOMENCLATURE

30. **LAVOISIER, Antoine-Laurent, et al.; ST. JOHN, James (trans.)** *Method of chymical nomenclature . . . To which is added, a new system of chymical characters, adapted to the nomenclature by Mess. Hassenfratz and Adet.* London: G. Keairsley, 1788. 8vo. With 1 large folding table (part of the pagination) plus 6 folding tables at the end of the book. Contemporary calf. A very good copy with the ownership signature of Herbert Dingle, English physicist who served as president of the royal Astronomical Society. First edition in English, quite rare, of one of the most important works in the history of modern chemistry, marking the foundation of modern chemical nomenclature. \$ 2500.00

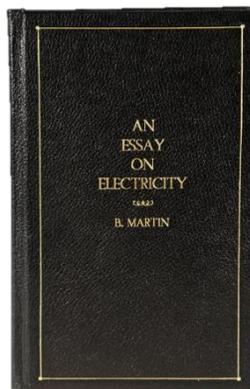
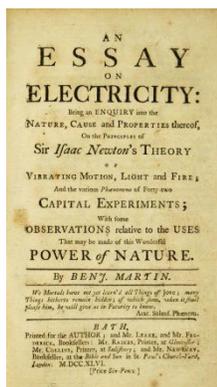


DISCOVERY OF THE PLANET NEPTUNE

31. **LE VERRIER, Urbain Jean Joseph.** "Sur la planète qui produit les anomalies observées dans le mouvement d'Uranus" in *Comptes rendus*. 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. \$ 7500.00

EXPOSITION OF THE CARTESIAN WORLD VIEW

32. **LEGRAND, Antoine.** *Historia naturae, variis experimentis et ratiociniis elucidata.* Nuremberg: Johann Zieger, 1702. 4to. With numerous engraved text illustrations. Old quarter calf over marbled boards, worn. Fourth and last edition. This work is a general exposition of the Cartesian world view, covering topics ranging from celestial physics to human physiology. \$ 200.00



EFFECTS OF ELECTRICITY ON HUMAN BODIES

33. **MARTIN, Benjamin.** *An essay on electricity: being an enquiry into the nature, cause and properties thereof, on the principles of Sir Isaac Newton's theory of vibrating motion, light and fire; and the various phaenomena of forty-two capital experiments; with some observations relative to the uses that may be made of this wonderful power of nature.* Bath: Printed for the author, 1746. 8vo. Full black morocco. First edition of the author's rare essay on electrical induction with his descriptions of a series of experiments. \$ 4000.00

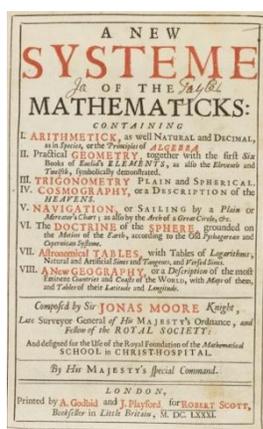
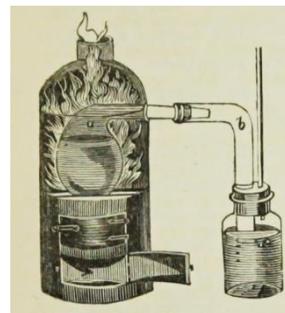
VALUABLE MATHEMATICS SAMMELBAND

34. [MATHEMATICS]. 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

35. **MEYER, Oskar Emil.** *Die kinetische Theorie der Gase.* Breslau: Maruschke & Berendt, 1877. 8vo. Calf-backed marbled boards. First edition of the author's classic treatise on the kinetic theory of gases. Meyer's historical introduction traces the evolution of the theory, providing critical expositions from the works of Boyle, Bernoulli, Clausius, Maxwell, and Joule. \$ 400.00

PRACTICAL CHEMISTRY

36. **MITSCHERLICH, E(ilhard). HAMMICK, Stephen Love (trans.).** *Practical and experimental chemistry, adapted to arts and manufactures.* London: Whittaker & Co., 1838. 8vo. With the errata slip tipped in before the contents. Original publisher's cloth. From the libraries of Francis Peabody of the Essex Institute with his bookplate and signature on the fly-leaf, and Arnold Thackray with his bookplate. First edition in English, a translation of a portion of Mitscherlich's famous *Lehrbuch der Chemie*. Mitscherlich studied chemistry in Göttingen under Stromeyer, in Berlin under Link, and then in Stockholm under Berzelius. He is most famous for his law of isomorphism. \$ 900.00



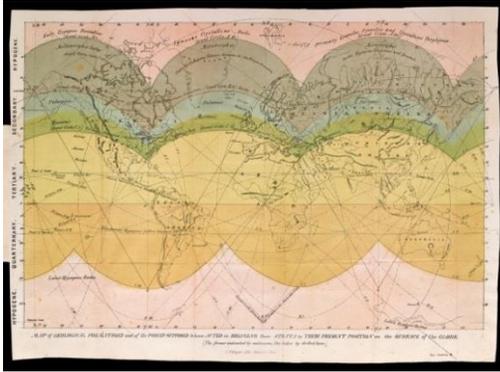
CONTRIBUTIONS FROM THE GREAT ENGLISH SCIENTISTS

37. **MOORE, Sir Jonas; PERKINS, Peter; FLAMSTEED, John; HALLEY, Edmund.** *A new systeme of the mathematicks.* . . . London: A[me] 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 instruments as well as wonderful maps. \$ 27,500.00

LEARNING RESONANCE BEFORE YOUTUBE

38. **MORHOF, Daniel Georg.** *Epistola de scypho vitreo per certum humanae vocis fonum rupto.* 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

ETHICAL GEOLOGY



39. **OWEN, Richard.** *Key to the geology of the globe: an essay, designed to show that the present geographical, hydrographical, and geological structures, observed on the earth's crust, were the result of forces acting according to fixed, demonstrable laws, analogous to those governing the development of organic bodies.* Boston: Gould & Lincoln, 1857. 8vo. With 2 large folding maps (1 colored) and 6 folding charts. Original publisher's blind-stamped cloth. First edition of this fascinating look at global geology. Most interesting is the chapter on ethical geology, in which the author formulates, from all of the information provided, the most effective means of improving the physical, mental, and moral condition of the human race. \$ 950.00

ALTERNATIVE FUEL SOURCE

40. **PATIN, Charles.** *Traité des tourbes combustible.* Paris: du Bray & Variquet, 1663. 4to. With engraved vignette on title and the famous portrait of "Monsieur Charles Patin" by Claude Lefebvre. Contemporary full calf. First edition of this very rare treatise describing the use of peat as a fuel. The author discusses the varieties and sources of combustible peat used to make charcoal as well as many useful by-products in agriculture, cooking and botany. At the time, charcoal was believed to mainly consist of bitumen and sulphur, causing strong fumes, which Patin was much opposed to because of his concern with dangers of health caused by inhalation. \$ 3500.00



SCRIPTURAL GEOLOGY

41. **[PENN, Granville]. [WILTON, Charles Pleydell Neale].** *Remarks on certain parts of Mr. Granville Penn's comparative estimate of the mineral and Mosaical geologies, and on other geological writings of the present day, which affect the right interpretation of the text or scripture.* London: C. and J. Rivington, 1826. 8vo. New wrappers; interior very clean. First edition. Granville Penn, the great-grandson of Admiral Sir William Penn and grandson of the founder of the province of Pennsylvania, was a well-known scriptural geologist. Wilton here comments on several points from Granville's book that would remain hot-button issues well into the twentieth century: the length of days at Creation, the Deluge, and the animals that survived the flood aboard the ark. Scarce. \$ 450.00

42. **PEREIRA, Benito [PEREYRA, PERERIVS].** *Adversus fallaces et superstitiosas artes, id est de magia, de observatione somniorum, de divinatione astrologica. Libri tres.* Ingolstadt: David Sartor, 1591. Three parts in one. 8vo. Contemporary vellum. First edition. The first part is an outright attack on the occult arts, including alchemy and astrology. He begins, however, with the curious premise that natural magic does exist in the world, perhaps referring to material he does not quite understand within the realm of medicine, physics, mathematics, and related scientific endeavors. Calling it exalted status, natural magic is accessible to only a few learned and good men. Evil, he points out, lay in the pretensions of the ignorant and wicked to garner such knowledge. The second section is on the interpretation of dreams, and the final section details Pereira's arguments on the absurdity of astrology. Pereira was a well-known Jesuit. \$ 2000.00

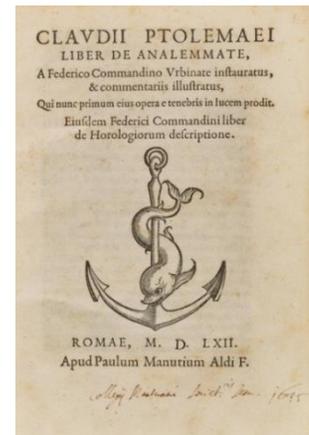
THIS BOOK PUBLICLY CONSIGNED TO THE FLAMES
BY ORDER OF THE DOGE OF VENICE



43. **POMPONAZZI, Pietro.** *Tractatus de immortalitate animae.* [Bononiae: n.p.], 1534. 12mo. Contemporary paper-backed vellum. From the library of Louis H. Bruhl, a prominent citizen of Texas and builder of the Llano Historical Museum. Originally written in 1516, this copy was probably printed in Paris in the early 1600's and backdated 1534 to foil the censor. In this famous treatise on immortality, Pomponazzi argues that since the soul's immortality cannot be rationally demonstrated, it is therefore mortal. He confirms Aristotle's position that the soul is mortal insofar as it is inseparable from the body, so, in order to preserve the unity of the individual, separate existence of the soul cannot be maintained. \$ 1200.00

GREEK MATHEMATICS IS MORE THAN "CLASSICAL GEOMETRY"

44. **PTOLEMAEUS, Claudius.** *Liber de analemmate, a Federico Commandino Urvinatense instauratus, & commentariis illustratus, qui nunc primum eius opera e tenebris in lucem prodit.* Rome, Paulum Manutius, 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



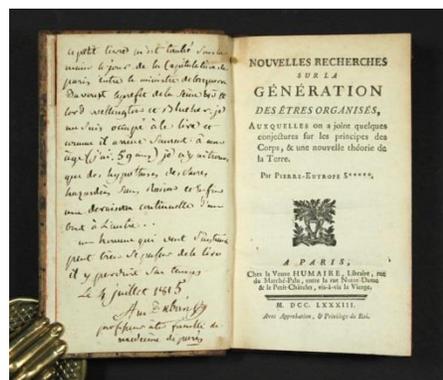
PRECURSOR TO NATURE



45. [SCIENTIFIC JOURNAL]. *Recreative science. A monthly record and remembrancer of intellectual observation.* London: Groombridge and Sons, 1859-1862. Thirty issues. 8vo. Numerous text illustrations in every issue. Each in original printed wrappers. From the library of Francis Peabody, founder of the Essex Institute, with his signature on the front cover of a number of issues, preserved in a folding clamshell box. First edition of the entire run of the journal *Recreative science*. It began life as a natural history magazine and progressed to include more physical observational science and technical subjects. \$ 4500.00

WOMENS' CONTRIBUTIONS TO FORMATION OF SUCCEEDING GENERATIONS

46. **S[ERAIN], Pierre Eutrope.** *Nouvelles recherches sur la génération des êtres organisés, auxquelles on a joint quelques conjonctures sur les principes des corps, et une nouvelle théorie de la terre.* Paris: Chez la Veuve Humaire, 1783. 12mo. Contemporary calf-backed heavy paper-covered boards. An excellent copy with a critical evaluation of the book in manuscript on the front free endpaper by Baron Antoine Dubois, signed and dated 4 juillet, 1815, and the bookplate of Stéphane Tanier, leader of French obstetrics, chairman of the University of Paris, and the first obstetrician interested in understanding infant mortality and the premature newborn. First edition of this extraordinary rare work on the phenomena of breeding and reproduction of humans, animals and plants, with an interesting account of spontaneous generation, heredity, monstrosities and abnormalities. Serain combines an interest in hybrids, embryology and biology in questioning the impact of one generation on the formation of the next.



\$ 1600.00

FROM THE LEADING EXPERT ON SOUND RECORDING TECHNOLOGY

47. **SEYMOUR, Henry Albert.** *The reproduction of sound.* London: Tattersall, [1918]. 8vo. With frontispiece portrait of Seymour and numerous text illustrations. Original publisher's green cloth. First edition. In a world where the ability to record and play back sound is as easy as pressing a button, one can only imagine how magical the original technology must have seemed at the time of its inception. Here the author describes the various methods and products that enabled the capture and reproduction of sound, including making blanks, the pressing of disc records, and a fascinating chapter on "recording sound by agency of light," a new system that proposed using photography to make recordings.

\$ 750.00

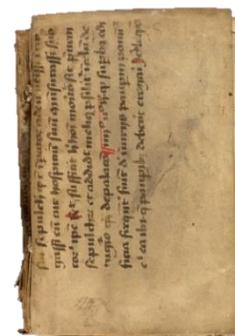
INTRODUCING NEWTONIAN PHYSICS

48. **'sGRAVESANDE, Willem Jacob.** *Mathematical elements of physics, prov'd by experiments: being an introduction to Sir Isaac Newton's philosophy.* London: G. Strahan, 1720. Two parts in one. 8vo. With 33 folding engraved plates. Full calf. First edition in English, translated by John Keill. 'sGravesande endeavors to introduce Newtonian physics by treating gravity, pressure, and the motion of fluids, as well as aspects of air, all with practical experiments used to prove Newton's theories.

\$ 2500.00

POPULAR TEXTS ON ASTRONOMY AND TIME

49. **THEODORICUS [Dietrich], Sebastian.** *Novae questiones sphaerae, hoc est, de circulis coelestibus, et primo mobili, in gratiam studiosae iuuentutis scriptae.* Wittenberg: Johannes Crato, 1564. (bound with) **GARCAEUS [Gartze], Johannes.** *Primus tractatus brevis et vtilitatis 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 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

SCIENTIFIC PRIVATE PRESS BOOK



50. THOMPSON, Silvanus. *Epistle of Peter Peregrinus concerning the magnet.* [London: Chiswick Press, C. Whittingham and Co., 1902]. 4to. Printed on hand-made paper in red and black, initials rubricated in red. With illustrations of instruments and their descriptions printed in red. Original linen-backed gray boards; with bookplate of Sir Edward Bullard (1907-1908), noted English geophysicist, one of the founders of modern marine geophysics. Number 127 of a limited edition of 240 copies privately printed in Caxton type by Charles Whittingham at the Chiswick Press. Translated into English from the Latin by Thompson, this was one of the earliest works on the magnet, originally written in 1269. \$ 950.00

RARE PLATES OF COPERNICAN ARMILLARY SPHERE

51. VALLEMONT, Pierre le Lorrain, abbé de. *La sphère du monde, selon l'hypothèse de Copernic, présentée au roy: décrite, démontrée, & comparee avec les sphères & les systèmes de Ptolomée, & de Tyco-Brahé.* Paris: P. Marchand, 1707. 8vo. With woodcut device on title page, head- and tailpieces, and 5 plates. Contemporary calf. First edition. After discussing the various astronomical systems by Ptolemy, Tycho Brahe, and Copernicus, Vallemont provides a detailed description of the armillary sphere constructed by Jean Pigeon d'Osangi for Louis XIV, the first to be based on Copernicus' heliocentric system. Very rare; OCLC locates just 2 copies, both in the British Library. \$ 1500.00



THREE WEISMANN OFFPRINTS FROM HIS OWN LIBRARY



52. WEISMANN, August & ISCHIKAWA, Chiyomatsu. *Weitere untersuchungen zum zahlengesetz der richtungskörper (Further investigations into the statutory number of polar bodies).* (**with**) *Äussere Einflüsse als Entwicklungsreize (External influences as a stimulus for development).* (**with**) *Neue gedanken 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

BEST DEFENSE AGAINST THE DISTURBING IMPLICATIONS OF EVOLUTION

53. WHEWELL, William. *Indications of the creator. Extracts, bearing upon theology, from the history and the philosophy of the inductive sciences.* London: John W. Parker, 1845. 8vo. Cloth, title in gilt on spine. First edition. This was the first fully engaged response from the Anglican establishment to the publication of Chamber's *Vestiges of the natural history of creation* (London, 1844). \$ 950.00