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1. **AGUILON, François d'.** *Opticorum libri sex. Philosophis iuxta ac mathematicis utiles.* Ann Arbor: University Microfilms, 1967. Small folio. (48), 684, (44) pp. Blue wrappers. Very good. \$ 45
Photocopy reprint of this classic work on optics illustrated by Rubens.
2. **AL-KINDI; Rondi RASHED.** *Oeuvres philosophiques et scientifiques d'al-Kindi Vol. I. L'optique et la catoptrique.* Leiden, New York & Koln: E.J. Brill, 1997. 8vo. xiii, 776 pp. Navy cloth, gilt-stamped cover and spine titles, dust jacket. Fine. ISBN: 9004097813 [See image](#) \$ 175
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A valuable annotated biographical dictionary. BL2450
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7. **American Association of Textile Chemists and Colorists.** *AATCC Technical Manual,* Vols. 52, 54, & 55. Research Triangle Park, NC: American Association of Textile Chemists and Colorists, 1976-79. 3 volumes. Large 8vo. 380; 402; 406 pp. Photographs and illustrations. Gilt-stamped black cloth. Near fine. \$ 45
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18. **[ARISTOTLE & ALFRED OF SARASHEL] James Karl OTTE.** *Alfred of Sareshel's commentary on the Meteora of Aristotle. A dissertation presented to the faculty of the Graduate School, University of Southern California.* May 1969. Ann Arbor, MI: University Microfilms, 1972. University Microfilms reprint. 8vo. ii, 154 pp. Paper wrappers, printed paper label. Fine. \$ 20
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Select articles of interest include: “Nouvelles Observations de la Planète Mars Faite a l’Observatoire de Juvisy” by Flammarion & Antoniadi; “La Philosophie de l’Hyperespace” by Simon Newcomb; “La Femme dans l’Astronomie” by Dorothée Klumpke; “La Radio-Activité de la Matière” by Henri Becquerel; “La Terre et l’Homme dans l’Univers” by Flammarion; “Les Neiges de la Planète Mars a son Pole Sud” by Barnard; “Ce que nous Enseigne le Radium” by Guillaume (with a photo of M. & Mme. Curie); “La Planète Mars” by Lowell; “Le Troisième Centenaire de Jean Kepler” by Antoniadi; “L’Oeuvre d’Einstein et l’Astronomie” by Langevin.

Not only is the impressive size and scope of material contained within this collection enough to make it a valuable addition to the library of any collector with a passion for astronomy, its attractive presentation in a beautiful custom binding really makes it unique.

☼ Hockey, Thomas (ed.). *Biographical Encyclopedia of Astronomers*. Vol. I. New York: Springer, 2007.

22. **AUSEJO, Elena [ed.]**. *Science and Society in Contemporary Spain: Proceedings of the XVIIIth International Congress of History of Science (Hamburg-Munich, 1-9 August 1989)*. Saragossa, Spain: Universidad de Zaragoza, 1996. Series: *Cuadernos de Historia de la Ciencia*, 6. 8vo. 81, [ads 1] pp. Original red printed wrappers. Burndy Library bookplate. Fine. RARE. ISBN: 84600073251 \$ 22
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24. **BACON, Francis**. *The Works of Francis Bacon*. Collected and edited by James Spedding, Robert Leslie Ellis, and Douglas Denon Heath. Boston: Brown and Taggard, 1861. 15 volumes. 8vo. Frontispieces (4), indexes. Original triple-ruled pebbled brown cloth, gilt-stamped spines; mild edge-wear, some spine heads torn, a few inner hinges repaired. Bookplates of John F. McGee. Very good.

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“The arrangement of the works of Bacon in this edition is different from that adopted by previous editors; and the difference arises from the care with which the present editors have avoided anything of their own in connexion with that which Bacon wrote” (ER, p. 318).

PROVENANCE: John F. McGee (1861-1925) was a US federal judge nominated by President Warren G. Harding to the United States District Court for the District of Minnesota and confirmed by the Senate in 1923. He served until his suicide by firearm in 1925.

☼ “The Works of Francis Bacon....” *Edinburgh Review, or Critical Journal*. 106. (1857): 290-322.

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25. **BAILEY, Percival.** *Neuralgias of the Cranial Nerves.* [Chicago]: Albert Merritt Billings Hospital, 1930. Offprint: *Clinic given before the Central Neuropsychiatric Association, September 26, 1930.* pp. 61-77. 4 figs. Self-wrappers. Very good. \$ 10

26. **BERNARD, Claude** (1813-1878). *Leçons de Physiologie Opératoire.* Paris: J.-B. Ballière et Fils, 1879. 8vo. xvi, 624 pp. 116 illustrations. Original printed wrappers; extremities lightly chipped, spine splitting. Front cover ownership signature.

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"In this, his last work, Bernard showed himself ' the unapproachable master in the technique of experimental procedure'" (Garrison, p. 546).

☼ Cushing B317; Garrison, *History of Medicine.* 4th ed. Philadelphia: W. B. Saunders, 1929; Garrison & Morton 634; *Heirs of Hippocrates* 1801; Osler 1519; Waller 955.

27. **BARREIRO, Agustín Jesús.** *Historia de la Comisión Científica del Pacífico (1862 a 1865).* Madrid: Museo Nacional de Ciencias Naturales, 1926. 8vo. xvi, 525 pp. 47 plates, 3 maps, index. Original printed wrappers, bound in modern quarter gilt-stamped purple calf over maroon cloth; corners gently bumped. Small rubber stamp, Burndy Library bookplate and personal bookplate of Thomas F. Glick, a professor of history at Boston University. RARE. Near fine. \$ 75

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29. **BERNARD, Claude** (1813-1878). *Pensées. Notes detaches. Préface de M. Le Pr. d'Arsonval. Introduction et notes par le Dr. Delhoume.* Paris: J.-B. Ballière, 1937. 315 of 475 copies. 8vo. 411, [1] pp. Frontispiece, index; pages mostly un-opened. Original printed wrappers; spine ends chipped, front cover slightly detached. Front cover ownership signature. Very good.

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FIRST EDITION of this posthumous work published under the direction of Drs. d'Arsonval and Delhoume. They make available two manuscript books of Bernard.

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31. **BIRKENMAJER, Aleksander.** *Etudes d'histoire des sciences en Pologne.* Wroclaw, et al: Ossolineum, 1972. Series: Studia Copernicana, IV. 8vo. x, 819pp. Brown cloth, black- and gilt-stamped cover and spine titles, dust jacket. Ownership signature. Very good. \$ 40
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38. **BOYLE, Robert.** *Experiments and Considerations Touching Colours.* A facsimile of the 1664 edition with a new introduction by Dr. Marie Boas Hall. New York & London: Johnson Reprint Corp., 1964. Small 8vo. xxvi, 423 pp. Quarter navy cloth over grey boards, gilt-stamped spine title. Ownership signature. Fine. \$ 35
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40. **[BOYLE, Robert] Lawrence M. PRINCIPE.** *The Aspiring Adept: Robert Boyle and his alchemical quest. Including Boyle's "Lost" dialogue on the transmutation of metals.* Princeton, NJ: Princeton University Press, (1998). 8vo. xiv, 339 pp. Green cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 069101678X \$ 40
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46. **[BRUNEL, Marc] Michael M. CHRIMES; Julia ELTON, et al.** *The Triumphant Bore: A Celebration of Marc Brunel's Thames Tunnel.* [London]: (Archives Panel of the Institution of Civil Engineers), [1987]. Square 8vo. 96 pp. Illus. (some color). Original printed wrappers. Fine. RARE. \$ 20
- Other authors include John May and Timothy Millett.
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49. **BURCHARDT, Jerzy.** *List Witelona do Ludwika we Lwówku Slakim.* Wroclaw et al: Ossolineum, 1979. Series: Studia Copernicana, XIX. 8vo. 255pp. Salmon cloth, black- and gilt-stamped cover and spine titles, dust jacket. Very good. \$ 50
50. **BUTLER, Frederick.** *The Farmer's Manual; Being a Plain Practical Treatise on the Art of Husbandry, Designed to Promote an Acquaintance with the Modern Improvements in Agriculture, Together with Remarks on Gardening, and a Treatise on the Management of Bees.* Weathersfield, CT: Published by the author, 1821. 8vo. [2], iv, [5]-222 pp. Lacking pp. 223-24, text toned and foxed with some water-staining, but still clearly legible. Original quarter brown calf over marbled paper-backed boards; pieces missing at corners and spine head, front cover torn, binding heavily worn. Ownership signature of Edwin B. Ripley (1823-1909), a Connecticut farmer who purchased the book in 1840 at auction, with a second signature at p. 1. RARE. As is. \$ 75
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53. **CAMACHO, Horacio H.** *Las Ciencias Naturales en la Universidad de Buenos Aires: Estudio Histórico.* Buenos Aires: Eudeba Editorial Universitaria de Buenos Aires, (1971). Series: *Temas de Eudeba: Ciencias Naturales.* 8vo. xvi, 150 pp. Printed wrappers; rear cover scuffed. Bookplate of Burndy Library. SCARCE. Very good. \$ 28
54. **CAÑEDO, Luis & Luis ESTRADA [comp. by].** *La Ciencia en México.* Mexico City: Fondo de Cultura Económica, (1985). Reprint. Series: *Sección de Obras de Ciencia y Tecnología.* 8vo. 173 pp. Index. Printed wrappers. Bookplate of Burndy Library. Near fine. ISBN: 9681619234 \$ 12

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55. **CARRATO, José FERREIRA.** *Igreja, Iluminismo e Escolas: Mineiras Coloniais. (Notas sobre a cultura da decadência mineira setecentista).* São Paulo: Companhia Editora Nacional, Editória da Universidade de São Paulo, (1968). Series: *Brasiliana*, Vol. 334. 8vo. xvi, 311 pp. Folding table, folding map, bibliography, index. Original printed wrappers; rubbed. Burndy Library Bookplate. Very good. \$ 22
56. **CARTWRIGHT, David Edgar.** *Tides: A Scientific History.* Cambridge: Cambridge University Press, (1999). FIRST EDITION. Tall 8vo. xii, 292 pp. Frontis., illustrations, figs., indexes. Black cloth, silver stamped spine, dust-jacket. Burndy Bookplate. Fine. Rare in cloth with jacket. BL2459 \$ 100
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68. **CLARKE, Samuel** (1675-1729). *A collection of papers, which passed between the late learned Mr. Leibnitz, and Dr. Clarke, in the years 1715 and 1716. Relating to the principles of natural philosophy and religion. With an appendix. To which are added, letters to Dr. Clarke concerning liberty and necessity; from a gentleman of the University of Cambridge: with the doctor's answers to them. Also remarks upon a book, entitled, A philosophical enquiry concerning human liberty*. London: James Knapton, 1717. 200 x 130 mm. 8vo. [xvi], 416; 46, [ads 2] pp. Headpieces, decorative initials, tailpieces, 2 figs.; occasional spotting. Contemporary paneled calf, raised bands, blind-stamped spine title; outer hinge starting. Early nineteenth-century engraving of a lady mounted on front paste-down. Ownership signature of Robert Orr on front free end-paper. Very good. [See image](#) \$ 1,300
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- ☼ Babson 229; *DNB*, IV, pp. 443-447; *DSB*, III, pp. 294-297. S5541
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81. **CURIE, Marie** (1867-1934) & **Heike Kamerlingh ONNES** (1853-1926). "The radiation of radium at the temperature of liquid hydrogen." Offprint from: *Communications from the Physical Laboratory of the University of Leiden*, No. 135, 1913. Leiden: Eduard Ijdo, 1913. 8vo. 15 pp. 2 figs. Original printed wrappers. Very good.

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In December 1903 Marie Curie, Pierre Curie and Henri Becquerel were awarded the Nobel Prize for Physics "in recognition of ... their joint researches on the radiation phenomena discovered by Professor Henri Becquerel." In 1903, Marie Curie was awarded a second Nobel Prize for Chemistry "for her services to the advancement of chemistry by the discovery of the elements radium and polonium, by the isolation of radium and the study of the nature and compounds of this remarkable element."

☼ Wasson, *Nobel Prize winners*, pp. 234-237. Pais, *Inward bound*, p. 115. See: Poggendorf, V, p. 254. S6203

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82. **CURIE, Marie Sklodowska** (1867-1934). *Untersuchungen über die Radioaktiven Substanzen ... Übersetzt und mit Litteratur-Ergänzungen versehen von W. Kaufmann*. Braunschweig: Friedrich Vieweg und Sohn, 1904. 8vo. viii, 132 pp. Figs., bibliog. Half blue cloth, gilt spine, marbled boards. Bookplate of Franz Sondheimer. A Fine copy.

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☼ DSB III; Wasson, *Nobel Prize Winners*. S7929

83. **CURRY, Patrick (ed.)**. *Astrology, Science, and Society: Historical Essays*. (Wolfeboro, NH): Boydell Press, (1987). 8vo. ix, 302 pp. Navy cloth, silver-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 085115459X

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Includes various essays, with Simon Schaffer, "Newton's Comets and the Transformation of Astrology."

84. **CUTBUSH, James** (1788-1823). *The Philosophy of Experimental Chemistry, Volume II*. Philadelphia: Isaac Peirce, 1813. Volume II only. 8vo. vi, [1], [1 blank], [13]-338, [ads 2] pp. Top right corner water-stain through first ten pages, moderate foxing scattered throughout, lacking frontispiece called for after p. vi. Original calf, gilt-stamped green leather spine label; spine head missing and foot wormed, covers a bit scuffed. SCARCE. Good.

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See: Keller, Harry. "James Cutbush." *Pennsylvania Gazette*. Jan., 9, 1920, p. 352.

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☼ Reidy, Michael S., Gary R. Kroll, and Erik M. Conway. *Exploration and Science: Social Impact and Interaction.* Santa Barbara, CA: ABC-CLIO, 2007; Watson, James, and Charles Darwin. *The Indelible Stamp: The Evolution of an Idea.* Philadelphia: Running Press, 2005.

88. **[DA VINCI, Leonardo]. Colloques Internationaux du Centre National de la Recherche Scientifique.** *Léonard de Vinci et l'expérience scientifique au XVI^e siècle.* Paris, 4-7 juillet 1952. Paris: Centre National de la Recherche Scientifique, 1953. 8vo. viii, 273 pp. Printed wrappers. Fine. \$ 45

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☼ Tselos, George D., and Colleen Wickey. “*Chymia.*” *A Guide to Archives and Manuscript Collections in the History of Chemistry and Chemical Technology.* Philadelphia: Chemical Heritage Foundation, 1987.

92. **DAWSON, Andrew.** *Lives of the Philadelphia Engineers: Capital, Class and Revolution, 1830-1890.* (Aldershot, UK): Ashgate, (2004). Series: *Modern Economic and Social History.* 8vo. xii, 302 pp. 20 figures, 5 tables, 2 charts, index, bibliography. Pictorial paper-backed boards. Burndy Library bookplate. Fine. ISBN: 0754633969

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108. **[DESCARTES, René]; Roger ARIEW & Marjorie GRENE [eds.].** *Descartes and His Contemporaries: Meditations, Objections, and Replies.* Chicago & London: University of Chicago Press, (1995). 8vo. vi, 261 pp. Printed wrappers. Ownership signature on half-title. Fine. ISBN: 0226026302 \$ 7
109. **[DESCARTES, René] Desmond M. CLARKE.** "Physique et métaphysique chez Descartes" [from] *Archives de Philosophie: Juillet-Septembre, 1980.* 8vo. pp. 465-486. Offprint. Printed wrappers. Presentation copy from the author with an inscription. \$ 12
3 offprints on Descartes: John Morris, "Descartes' Natural Light." With: A.G. Molland, "Shifting the foundations: Descartes's Transformation of Ancient Geometry." Inscribed by the author: "Best wishes, George."
110. **[DESCARTES, René]; James COLLINS.** *Descartes' Philosophy of Nature.* Oxford: Basil Blackwell, 1971. Series: American Philosophical Quarterly Monograph Series, Monograph No. 5. 8vo. viii, 99 pp. Printed wrappers. Ownership signature on half-title. Very good. \$ 7
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117. **DESOTO, Clinton B.** *Two Hundred Meters and Down: The Story of Amateur Radio*. West Hartford, CT: American Radio Relay League, 1936. 8vo. [xiv], 184 pp. Original blue printed wrappers; spine faded with holograph ink title. Front cover rubber stamp. Very good. \$ 8
118. **DIBNER, Bern.** *The Atlantic Cable*. Tokyo: Ocean Cable, 1997. Japanese-language edition of 1956 edition. (Norwalk, CT: Burndy Library), n.d. 4to. 68 pp. With reproduction of title-page and original illustrations, folding map, bibliography. Original printed wrappers; top front edge slightly nicked. Burndy Library bookplate. Near fine. [Japanese text only]. \$ 7
119. **[DICK, Stephen J.]**. *Extraterrestrial Life and our World View at the Turn of the Millennium: Dibner Library Lecture, Smithsonian Institution Libraries, May 2, 2000*. [Washington, DC]: (Smithsonian Institution Libraries, 2000). 8vo. vii, 47 pp. Frontispiece, 29 figures. Original printed wrappers; slightly rubbed. Burndy Library bookplate. Near fine. \$ 7
120. **DIVALL, Colin & Winstan BOND [eds.]**. *Suburbanizing the Masses: Public Transport and Urban Development in Historical Perspective*. (Aldershot and Burlington): Ashgate, (2003). FIRST EDITION. 8vo. xvi, 319 pp. Figs., tables, index. Pictorial boards. Burndy bookplate. Fine. BL2201 \$ 150
121. **DOBBS, Betty Jo Teeter**. *The Janus Faces of Genius: The Role of Alchemy in Newton's Thought*. Cambridge: Cambridge University Press, (1991). 8vo. xii, 359 pp. Black cloth, copper-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 0521380847 \$ 60
122. **DOLAN, Michael**. *The Internship Experience, 1992-1996*. [Washington, DC]: NASA Office of Space Science, (1997). Large 8vo. iv, 158 pp. Original printed wrappers. RARE. Fine. \$ 20

Provides an overview of the sponsored projects of 43 scientists who participated in the Planetary Biology Internship (PBI) program, whose goal was “to provide students with research experience on projects related to NASA’s planetary biology mission” (p. 1).

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123. **DODDS, E. R.** *The Ancient Concept of Progress and Other Essays on Greek Literature and Belief.* Oxford: Clarendon Press, (1988). Reprint. 8vo. vi,218 pp. Printed wrappers. Ownership signature on half-title. Fine. ISBN: 019814377X \$ 25
124. **DORN, Harold.** *The Geography of Science.* Baltimore & London: Johns Hopkins University Press, (1991). 8vo. xx, 219 pp. Navy cloth, gilt-stamped spine title, dust jacket. Ownership signature. Near fine. ISBN: 0801841518 \$ 25
- “Among the most interesting of Dorn’s arguments are those about science in cultures that have been the inheritors of both Hellenic and hydraulic traditions” (American Historical Review).
125. **DOYLE, Martin.** *The Flower Garden, or Monthly Calendar of Practical Directions for the Culture of Flowers. Adapted to the climate of the United States, with notes and observations by L. D. Gale.* New York: Moore & Payne, 1835. FIRST AMERICAN EDITION. 8vo. 180 pp. Frontispiece, 4 plates (3 on heavier paper stock); moderately foxed. Original gilt-stamped mauve cloth; covers faded, extremities worn, lacks rear free endpaper, else very good. \$ 30
- ☼ Payne, Charles Herman. *The Florist’s Bibliography.* London: W. Wesley, 1908, p. 69.
126. **DRAPER, John William.** *History of the Intellectual Development of Europe.* New York: Harper & Brothers, (1876-1899). Two volumes. 8vo. xii, 438; ix, 435 pp. Original maroon cloth, gilt-stamped spine titles; spine ends frayed or chipped. Ownership inscription . Very good. \$ 18
- John William Draper (1811–1882) was an American (English-born) scientist, philosopher, physician, chemist, historian, and photographer. Draper is credited with producing the first clear photograph of a female face (1839–1840) and, at the same time, the first detailed photograph of the Moon (1840). He was the first President of the American Chemical Society (1876–1877) and one of the founders of the New York University School of Medicine.
127. **DUCHESNE, Louis.** *Early History of the Christian Church from Its Foundation to the End of the Third Century. Rendered into English from the fourth edition.* New York: Longmans, Green & Co., 1914-1924. Reprinted. Three volumes. 8vo. xx,428; xix, 544; xiv, 555 pp. Original maroon cloth, gilt-stamped spine titles; inner hinges tender. Exlib stamps and spine markings. Very good. \$ 50
128. **DUHEM, Pierre** (1861-1916). *Le Système du Monde: Histoire des Doctrines Cosmologiques de Platon a Copernic.* Paris: Libraire Scientifique A. Hermann et Fils, 1913-1959. 10 volumes. 8vo. [Various paginations]. Figures, text clean and bright. Original blue printed wrappers, bound in beautiful quarter gilt-stamped red morocco over marbled paper-backed boards; leather and corners gently rubbed, paper spine labels. Carnegie Institution of Washington Solar Observatory blind-stamps at f.f.e.p.s. Very good. [See image a](#) [See image b](#) \$ 750

FIRST EDITION of Duhem’s “monumental ten-volume study” on medieval cosmology, spanning Greek, Western European, and Islamic scholars through 1550 and exploring for the first time a range of topics including dimensions and the possibility of multiple worlds, Cabbala, and the fate of Aristotelianism in the Latin West (Grant, p. 3).

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“Duhem’s contributions to the history of medieval science and cosmology were nothing less than extraordinary. He was not only the discoverer of much of what is today deemed significant in the history of medieval natural philosophy, but he was also a brilliant interpreter of texts and ideas” (Grant, p. 3).

Although the work was incomplete upon Duhem’s death in 1916 and much of it remained unpublished until 40 years later, it is an invaluable resource representing the kind of “broad-band intellectual history of the type developed by Alexander Koyré and his disciples in the postwar period” (Martin, p. 329).

Duhem offers “a coherent model of what science as intellectual history could be: integrated into the philosophical, theological, and political background so that their mutual relationships could be seen....In this work, Duhem also developed his view that the intellectual climate of the Christian Middle Ages was not purely Aristotelian—far from it, the resistance of the ecclesiastical authorities to dogmatic Aristotelianism paved the way for modern science” (Martin, p. 329).

Duhem was a French physicist, mathematician and philosopher of science who taught at the universities of Lille, Rennes, and Bordeaux.

☼ Grant, Edward. *Planets, Stars, and Orbs: the Medieval Cosmos, 1200-1687*. Cambridge: Cambridge University Press, 1996; Martin, R. N. D. “Duhem, Pierre 1861-1916.” *Encyclopedia of Historians and Historical Writing*. Vol. 1. Oxford: Taylor & Francis, 1999.

129. **DUPLAIS, M. P.** [Publisher’s advertisement for] *Traité de la Fabrication des Liqueurs et de la Distillation des Alcools, contenant les procédés les plus nouveaux pour la fabrication des liqueurs françaises et étrangères, fruits à l’eau-de-vie et au sucre, sirops, conserves, eaux et esprits parfumés, vermouths, vins de liqueur; suivi du Traité de la fabrication des eaux et boissons gazeuses et de la description complète des opérations nécessaires pour la distillation des alcools*. Paris: Librairie de Gauthier-Villars, 1876. Fourth edition [advertised work]. 8vo. 8 pp. Original printed wrappers. \$ 10
130. **DURANTI, Gian Carlo.** *Terzo Numero Binomiale di Euclide e Terza Civiltà di Ammon-Zeus*. (Venice): Top Media Editrice, (1989). 4to. [10], 455 pp; off-setting to title-page. English-language introduction and table of contents laid-in (10 pp.). White printed wrappers, dust-jacket; front jacket stained yellow. Burndy Library bookplate. Very good. \$ 8
131. **DZIELSKA, Maria.** *Hypatia of Alexandria. Translated by F. Lyra*. Cambridge, MA & London: Harvard University Press, (1995). Series: Revealing Antiquity, 8. 8vo. viii, 157 pp. Printed wrappers. Ownership signature. Fine. ISBN: 0674437764 \$ 10
- Hypatia (b. ca. AD 350–370, d. 415) was an Egyptian Neoplatonist philosopher who was the first notable woman in mathematics, and also taught philosophy and astronomy.
132. **EDDINGTON, A. S.** *Stars and Atoms*. New Haven, CT: Yale University Press, 1927. 8vo. 127 pp. Frontispiece, 11 photographs. Single-ruled navy blue cloth, gilt-stamped spine; extremities faintly rubbed. Bookplate of Robert Sonnenschein. Very good. \$ 10

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133. **ELLEGARD, Alvar.** *Darwin and the General Reader: The Reception of Darwin's Theory of Evolution in the British Periodical Press, 1859-1872.* Goteborg: Elanders Boktryckeri Aktiebolag, 1958. 8vo. 394 pp. Tables, diagrams, index. Blue cloth, gilt-stamped cover emblem and spine title, dust-jacket. Burndy bookplate. Near fine.

\$ 125

FIRST EDITION, cloth issue, rare in jacket. BL2283

134. **ENGSTRAND, Iris H.W.** *Spanish Scientists in the New World: The Eighteenth-Century Expeditions.* Seattle and London: University of Washington Press, (1981). FIRST EDITION. 8vo. xiv, 220 pp. Plates (some in color), maps, index. Black cloth, gilt-stamped cover decoration and spine title, dust-jacket. Burndy Bookplate. Fine. BL2472

\$ 50

135. **[EUCLID] Charles THOMAS-STANFORD.** *Early Editions of Euclid's Elements.* San Francisco: Alan Wofsy Fine Arts, 1977. New limited edition, one of 450 copies. Large 8vo. ix, 67 pp. Bibliography, indices, 26 plates. Gilt-stamped gray buckram. Fine.

\$ 40

Faraday Expresses His Concern for Loss of Memory

136. **FARADAY, Michael** (1791-1867). [Autograph Note Signed]. [No location given: n.d.]. "With M. Faraday's kindest remembrances, / I hope I make no mistake[.] I think you asked me / and yet am not sure and am under the fear / of forgetting somebody else. Ever Yours | M. Faraday ... [To] Dr Williamson | &c &c" [London], ca.1850-1860/5]. 6.25" x 3.25". Fine.

[See image](#) \$ 750

Michael Faraday, English Chemist and Physicist, known as one of the greatest scientific minds of the 19th century, writes indicating a concern for memory loss.

Frank James has identified the correspondent of the letter as being written in all probability to "Alexander William Williamson (1824-1904) who was Professor of Chemistry at University College London from 1849 having studied with Liebig at Giessen where he obtained his PhD. On this basis I would date the letter to sometime in the 1850s, or possibly the early 1860s..."

See: Faraday, Michael. *The Correspondence of Michael Faraday,...* Edited by Frank A.J.L. James. Institution of Electrical Engineers, 1991-1999 [Frank James is Professor of the History of Science at the Royal Institution. He is editor of the correspondence Michael Faraday (of which four out of six volumes have so far been published).]; Faraday, Michael. *The Selected Correspondence of Michael Faraday.* Edited L. Pearce Williams (and others). Cambridge University Press, 1971.

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137. **ERNST, Adolfo.** *Obras Completas (Compilacion por Blas Bruni Celli). Vol. I: Botanica-1.* Caracas, Venezuela: Fundacion Venezolana para la Salud y la Educacion, 1976. Vol. I only. 8vo. xxxv, 601 pp. Portrait frontispiece. Original printed wrappers; slightly creased. Burndy Library bookplate. RARE. Very good. \$ 30

138. **FERCHL, Fritz & A. SUSSENGUTH.** *A Pictorial History of Chemistry.* London: William Heinemann, (1939). First edition in English. 8vo. viii, 214 pp. Illustrations. Navy cloth, gilt-stamped spine title. Burndy bookplate. Near fine. BL2286 \$ 95

139. **FERMI, Enrico** (1901-1954). Group of 3 papers from: *Memorie Della Reale Accademia d'Italia*, vols. I & II. Including: 1. Sui Momenti Magnetici dei Nuclei Atomici. 2. Sul Calcolo Degli Spettri Degli Ioni. 3. L'Effetto Raman Nelle Molecole e nei Cristalli. Rome: Reale Accademia d'Italia, 1930; 1932. 8vo. 12; 10; 22 pp. Figs. Original printed wrappers. FINE.

[See image](#) \$ 850

Important group of Fermi papers that includes the key work *Sui Momenti Magnetici dei Nuclei Atomici*, which forms an important step in the development of the theory of nuclear magnetism. This was “the first of five papers on nuclear physics, in which Fermi investigated the theory of the hyperfine structure of spectral lines (first proposed by Pauli in 1923) and the nuclear magnetic momenta demonstrating that the nuclear magnetic moment was not of the order of magnitude of the Bohr magneton, as had been previously supposed, but was only 1/1000 of the magnitude of the Bohr magneton.” *Norman Library*, no. 779. Fermi was awarded the Nobel Prize for physics in 1938, and later (while working on the Manhattan Project) led the team that built the first atomic pile. Gribbin, *Q is for Quantum*; DSB IV; Pais, *Inward Bound*; *Norman Library*, no. 779, 780, & 781.

140. **FERNÁNDEZ, Horacio García.** *Historia de una Facultad: Química, 1916-1983.* (Mexico City): Universidad Nacional Autónoma de México, 1985. FIRST EDITION. 8vo. 295 pp. Printed wrappers; corners and spine creased. Burndy Library donation bookplate of Thomas F. Glick, a professor of history at Boston University. Very good. ISBN: 9688375160 \$ 35

141. **FEYNMAN, Richard Phillips** (1918-1988). “The theory of positrons.” [with:] “Space-time approach to quantum electrodynamics.” Contained in: *The Physical Review*, Second Series, Vol. 76, No. 6, pp. 749-59, 769-89, (September 15, 1949). (Lancaster, PA): American Physical Society, 1949. Large 8vo. xv, 884 pp. Green library buckram, gilt-stamped spine title. Housed in a modern clamshell box. Fine.

[See image a](#) [See image b](#) \$ 1875

FIRST EDITION; THE BEGINNINGS OF QUANTUM ELECTRODYNAMICS FOR WHICH FEYNMAN WON THE NOBEL PRIZE. In 1965 Feynman shared the Nobel Prize for Physics with Tomonaga and Schwinger, “For their fundamental work in quantum electrodynamics, with deep-ploughing consequences for the physics of elementary particles.” [Nobel Foundation]. “There exists a set of notes, with the title Theory of Positrons and probably written in late 1947, which outlines Feynman’s formulation of the theory as of that time... Although the paper was delivered in January 1949, its content reflects Feynman’s

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thinking of one year earlier. The manuscript is of great interest because it contains, besides the famous ‘bombardier’ metaphor of his Theory of Positrons paper, other metaphors (including the one about the letter N) to illustrate his notions of positrons as electrons moving backward in time. It also gives us a glimpse of Feynman in a more philosophical vein.” [Schweber].

Both papers discuss the creation of the covariant quantum electrodynamic theory, and present the Feynman method. “Feynman’s paper on The theory of positrons was received by the Physical Review on 8 April 1949. This was the last version of the paper on this topic on which Feynman had worked for several years.” [Mehra].

This issue of The Physical Review includes Julian Schwinger’s “Quantum electrodynamics. III. The electromagnetic properties of the electron – radiative corrections to scattering.”

☼ Ezhela, et al, *Particle Physics One Hundred Years of Discoveries*, pp. 107-8; Mehra, *Beat of a Different Drum*, pp. 272, 78; Schweber, *QED and the Men Who Made It*, pp. 428-31.

142. **FLAMSTEED, John (1646-1719); Eric G. FORBES, Lesley MURDIN & Francis WILLMOTH [eds.]**. *The Correspondence of John Flamsteed, the First Astronomer Royal. Volume One: 1666-1682. Volume Two: 1682-1703. Volume Three: 1703-1719*. Bristol and Philadelphia: Institute of Physics, (1995-2002). 3 volumes. Large 8vo. xlix, 955; xlvii, 1095; lxvi, 1038 pp. 2 frontispieces in each volume, half-tone illustrations, glossaries, biographical notes, indices. Gilt-stamped paper-backed boards (green, red, and blue). Bookplates of the Burndy Library. Fine. BL2545 \$ 500

143. **FORBES, Eric G.; A. J. MEADOWS; Derek HOWSE**. *Greenwich Observatory: The Royal Observatory at Greenwich and Herstmonceux, 1675-1975. Vol. 1: Origins and Early History (1675-1835), by Forbes. Vol. 2: Recent History (1836-1975), by Meadows. Vol. 3: The Buildings and Instruments, by Howse*. London: Taylor & Francis, 1975. 3 volumes. 8vo. xv, 204; ix, 135; xix, 178 pp. Indices, 14; 14; 130 figures. Gilt-stamped navy blue cloth. Rubber stamps verso title-pages, rear bookplates. Fine.

[See image](#) \$ 280

“The most complete and authoritative history of the observatory,” including reproductions of 12 rare etchings made of the observatory shortly after its completion by Francis Place from drawings by Robert Thacker (Burke, p. 169).

☼ Burke, John G. *The Uses of Science in the Age of Newton*. Los Angeles & Berkeley: University of California Press, 1983.

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144. **[FRITH, Francis (1822-1898)] Douglas R. NICKEL.** *Francis Frith in Egypt and Palestine: A Victorian Photographer Abroad.* Princeton and Oxford: Princeton University Press, (2004). First printing. 4to. 239 pp. Frontis., 75 duotone plates, 10 black and white plates, index. Quarter brown cloth over pictorial paper-backed boards, gilt-stamped spine, dust-jacket. Bookplate of the Burndy Library. Fine. BL2556 \$ 75
145. **GALILEI, Galileo.** *Dialogues Concerning Two New Sciences. Translated from the Italian and Latin into English by Henry Crew and Alfonso de Salvio, with an introduction by Antonio Favaro.* Evanston, IL & Chicago: Northwestern University, 1946. 8vo. xiii, 288, [ads 1] pp. Frontispiece, 126 figures, index. Navy blue cloth, gilt-stamped spine; spine ends gently rubbed. Ownership signature. Very good. \$ 15
146. **GALILEI, Galileo; Emil STRAUSS.** *Dialog über die beiden hauptsächlichsten weltssysteme, das Ptolemäische und das Kopernikanische. Aus dem Italienischen übersetzt und erläutert von Emil Strauss.* Leipzig: B.G. Teubner, 1891. 8vo. lxxix, 586 pp. Original half brown morocco over marbled boards, gilt-stamped red leather spine label, raised bands; joints rubbed. Ownership signature. Very good. [See image](#) \$ 800
First German edition of Galileo's Dialogo.
147. **[GALILEI, Galileo] Rinaldo FABRIS.** *Galileo Galilei e Gli Orientamenti Esegiti del Suo Tempo.* Vatican City: Ex Aedibus Academicis in Civitate Vaticana, 1986. Series: *Pontificiae Academiae Scientiarum Scripta Varia*, 62. 8vo. 44 pp. Original printed wrappers. Fine. \$ 20
148. **[GALILEI, Galileo] Olaf PEDERSEN.** *Galileo and the Council of Trent.* Vatican City: Specola Vaticana, 1983. FIRST EDITION. Series: *Vatican Observatory Publications, Special Series: Studi Galileiani*, Vol. 1, No. 1. 8vo. 29 pp. Bibliography. Original printed wrappers. INSCRIBED from author to Professor H. A. Brook in ink at front cover. Near fine. \$ 22
149. **[GALILEI, Galileo] Vasco RONCHI.** *Galileo e il suo cannocchiale.* (Torino): Paolo Baringhieri, 1964. 8vo. 248 pp. Printed wrappers. Ownership signature on half-title. Fine. \$ 30
150. **[GALILEI, Galileo] Józef ŻYCIŃSKI.** *The Idea of Unification in Galileo's Epistemology.* Vatican City: Specola Vaticana, 1988. Series: *Vatican Observatory Publications, Special Series: Studi Galileiani*, Vol. 1, no. 4. 8vo. 33 pp. Bibliography. Original printed wrappers. Very good. \$ 22
151. **GARBER, Daniel & Michael AYERS [eds.].** *The Cambridge History of Seventeenth-century Philosophy.* (Cambridge): Cambridge University Press, (1998). Two volumes. 8vo. xvii, 949; vi, 653+-1616 pp. Navy cloth, gilt-stamped spine title, dust jacket. Fine. ISBN: 0521307635; 0521572339 \$ 90
152. **GARCIA-BALLESTER, Luis; Roger FRENCH; Jon ARRIZABALAGA; Andrew CUNNINGHAM [eds.].** *Practical Medicine from Salerno to the Black Death.* (Cambridge): Cambridge University Press, (1994). First edition. 8vo. xiii, 402 pp. Printed color boards. Ownership signature. Fine. RARE. ISBN: 0521431018 \$ 50

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153. **[GASSENDI, Pierre] Barry BRUNDELL.** *Pierre Gassendi: From Aristotelianism to a New Natural Philosophy.* Dordrecht, et al.: D. Reidel Publishing (1987). 8vo. x, 251 pp. Blue cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 9027724288

\$ 95

Pierre Gassendi (1592–1655), French philosopher, priest, scientist, astronomer, and mathematician, who was a leader of a group of Parisian free-thinking intellectuals. He published the first data on the transit of Mercury in 1631.

154. **GARDINER, Robert.** *Frigates of the Napoleonic Wars.* Annapolis: Naval Institute Press, (2000). FIRST EDITION. 4to. 208 pp. Frontis., illustrations, tables, glossary, index. Navy paper boards, gilt-stamped spine, dust-jacket. Bookplate of the Burndy Library. Fine. BL2586

\$ 85

French Free-Thinker

155. **[GASSENDI, Pierre] Olivier René BLOCH.** *La Philosophie de Gassendi: Nominalisme, Matérialisme et Métaphysique.* La Haye: Martinus Nijhoff, 1971. 8vo. xxx, 525 pp. Green cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 9024750350

\$ 95

Pierre Gassendi (1592–1655), French philosopher, priest, scientist, astronomer, and mathematician, who was a leader of a group of Parisian free-thinking intellectuals. He published the first data on the transit of Mercury in 1631.

156. **[GASSENDI, Pierre] Lynn Sumida JOY.** *Gassendi the Atomist. Advocate of history in an age of science.* Cambridge et al: Cambridge University Press, (1987). 8vo. xiii, 311 pp. Green cloth, gilt-stamped spine title, dust jacket. Ownership signature. Near fine. ISBN: 0521301424

\$ 60

“Scholars in the early 17th century who studied ancient Greek scientific theories often drew upon philology and history to reconstruct a more general picture of the Greek past. Gassendi’s training as a humanist historiographer enabled him to formulate a conception of the history of philosophy in which the rationality of scientific and philosophical inquiry depended on the historical justifications which he developed for his beliefs. Professor Joy examines this conception and analyzes the nature of Gassendi’s historical training, especially its relationship to his career as a physicist and astronomer. She shows how he rehabilitated Epicurean atomism by bringing together the arguments of the Greek atomists and those of his contemporaries. In doing so, he produced an account of the natural world which made it an object of empirical study and mechanical explanation” (from the jacket).

157. **[GASSENDI, Pierre] Howard T. EGAN.** *Gassendi’s View of Knowledge: A Study of the Epistemological Basis of His Logic.* New York & London: University Press of America, (1964). 8vo. viii, 181 pp. Printed wrappers. Ownership signature on title-page. Fine. ISBN: 0819137383

\$ 75

Pierre Gassendi (1592–1655), French philosopher, priest, scientist, astronomer, and mathematician, who was a leader of a group of Parisian free-thinking intellectuals. He published the first data on the transit of Mercury in 1631.

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158. **[GAUSS, Johann Carl Friedrich (1777-1855)] Uta C. MERZBACH [comp.]**. *Carl Friedrich Gauss: A Bibliography*. Wilmington: Scholarly Resources, (1984). 4to. xxv, 551 pp. Indices. Dark blue-green cloth, gilt-stamped spine. Bookplate of the Burndy Library. Fine. BL2557 \$ 95

159. **GIBBS, Josiah Willard (1839-1903)**. *Elementary Principles in Statistical Mechanics Developed with Especial Reference to The Rational Foundation of Thermodynamics*. New York & London: Charles Scribner's Sons & Edward Arnold, 1902. 8vo. xviii, 207 pp. Original blue cloth, gilt-stamped spine title and cover ornament. Exlib bookplate "Chief Astronomer" and ink stamp. Fine.

[See image](#) \$ 1,500

FIRST EDITION BY THE FOUNDER OF CHEMICAL THERMODYNAMICS. Josiah Willard Gibbs was an American mathematical physicist whose work in statistical mechanics laid the basis for the development of physical chemistry as a science.

"The principle theme of Gibbs's book is the analogy, as he describes it, between the average behavior of a canonical ensemble of systems and the behavior of a physical system obeying the laws of thermodynamics." [DSB].

This difficult work gave Einstein the highest respect for Gibbs and his achievements: "I never met Willard Gibbs; perhaps, had I done so, I might have placed him beside Lorentz," Einstein said the year before he died, meaning Hendrik Lorentz, the only contemporary scientist Einstein unreservedly admired. When he finally read Gibbs's book in 1918, Einstein called it 'a masterpiece, even though it is hard to read.'" [Pais].

"Deep and retiring, the incisive mind of Gibbs was applied to mathematics, physics and chemistry. At a time when the technology of steam engineering was half a century ahead of its theoretical understanding, Gibbs applied himself to the complex problems of thermodynamics. He did as well in laying the basis of physical chemistry. In a style difficult for his colleagues to follow, he outlined the conditions determining the equilibrium attained by increasing entropy in a thermodynamic system. Gibbs evolved the 'phase rule' or law determining the number of physical phases or states possible to a specific chemical system in equilibrium. In 1901 the Royal Society's Copley medal was awarded Gibbs for applying his analytical methods in determining the relations between chemical, electrical and thermal energies." [Dibner].

PROVENANCE: Possibly the copy of William Frederick King (1854-1916), chief astronomer and International Boundary commissioner, Canada. See: *Report of the chief Astronomer for the year ending 1902*. King entered the Canadian Government as a land surveyor and topographer in 1872 at the age of 18. He worked on federal lands in western Canada where his knowledge of astronomy was an asset during mapping as it allowed him to determine the longitudes and latitudes of many locations. His efforts to create a large and

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permanent astronomical observatory bore fruit in 1905 with the inauguration of the Dominion Observatory in Ottawa.

Dibner, *Heralds of Science*, 49; *DSB*, V, p. 392; Abraham Pais, “*Subtle is the Lord...*” (1983), p. 73. S10268

160. **GELLIBRAND, Henry (1597–1637); G. HELLMANN [ed.]**. *A Discourse Mathematical on the Variation of the Magnetical Needle*. Berlin: A. Asher, 1897. Facsimile reprint of 1635 London edition. Series: *Neudrucke von Schriften und Karten über Meteorologie und Erdmagnetismus*, No. 9. 8vo. intro. 7, 22, [1] pp. Diagrams and charts. Half green cloth over green paper-backed boards, gilt-stamped spine. Bookplate of the Burndy Library and the previous owner. Near fine. BL2151 \$ 50
161. **GMELIN, Leopold**. *Hand-Book of Chemistry*. Translated by Henry Watts. Complete in Eighteen Volumes. [with additional volume: *Index to Gmelin's Handbook of Chemistry*]. London: Cavendish Society, 1848-1872. Nineteen volumes. 8vo. Multiple paginations. Some foxing. Original green publisher's cloth, gilt-stamped cover emblems and spine titles, t.e.g.; extremities worn, many of the volumes' hinges are cracked. Good. \$ 850
Rare complete set. English translation of Gmelin's masterwork. “Little is known about how or when Gmelin decided to start work on the project that became the *Handbuch...* Gmelin sought the complete, objective presentation of the prevailing state of chemistry. His father [Johann Georg Gmelin] had found the science in a state of flux, with each author altering his textbook to reflect his own ideas; it was Gmelin's task to unify it through his own knowledge and - more important - the existing literature.” [*DSB*, V, p. 430]. S10269
162. **GERSH, Stephen & Charles KANNENGIESSER [eds.]**. *Platonism in Late Antiquity*. Notre Dame, IN: University of Notre Dame Press, (1992). Series: *Christianity and Judaism in Antiquity*, Vol. 8. 8vo. xiv, 258 pp. Grey cloth, red-stamped cover and spine titles. Ownership signature. Fine. RARE. ISBN: 0268015139 [See image](#) \$ 125
163. **GILLE, Bertrand**. *Engineers of the Renaissance*. Cambridge, MA: M.I.T., (1966). Square 8vo. 254 pp. Green cloth, white-stamped spine title, dust jacket; jacket chipped. Ownership signature. Very good. \$ 15
164. **GIMPEL, Jean**. *The Medieval Machine: The Industrial Revolution of the Middle Ages*. New York: Hold, Rinehart & Winston, (1976). 8vo. xi, 274 pp. Quarter black cloth over black boards, gilt-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 0030146364 \$ 10
165. **GIORDANO, Raymond V**. *The Antiquarian Scientist: Antiquarian Science, Medicine, and Instruments. Catalogs 10, 12-14, 16-18*. Amesbury, MA: Antiquarian Scientist, [1981-1986]. 7 volumes. 8vo. [Various paginations]. Most volumes with holograph pencil or ink date to front cover. Original printed wrappers. Very good. \$ 75

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Catalogues from Massachusetts bookseller Raymond Giordano, focusing largely on the history of science and medicine.

166. **GLORIEUX, P.** *La faculté des arts et ses maîtres au XXIII^e siècle.* Paris: Librairie Philosophique J. Vrin, 1971. 8vo. 552 pp. Printed wrappers. Ownership signature. Fine. \$ 30
167. **GOLDBERG, Benjamin.** *The Mirror and Man.* Charlottesville: University Press of Virginia, (1985). FIRST EDITION. 8vo. xii, 260 pp. 38 illustrations, index. Gray cloth with white paper boards, silver stamped spine title, dust-jacket. Burndy bookplate. Fine. BL2152 \$ 115
168. **GOLDSTEIN, Bernard R.** *Theory and Observation in Ancient and Medieval Astronomy.* London: Variorum Reprints, 1985. 8vo. xi, 348 pp. Blue cloth, gilt-stamped cover and spine titles. Ownership signature. Fine. RARE. ISBN: 0860781631
[See image](#) \$ 100
With 24 articles including "Ibn Mu'adh's Treatise on Twilight and the Heat of the Atmosphere" and "The Obliquity of the Ecliptic in Ancient Greek Astronomy."
169. **GRANT, Edward [ed.].** *A Source Book in Medieval Science.* Cambridge, MA: Harvard University Press, 1974. 8vo. xvii, 864 pp. Black cloth, gilt-stamped spine title; extremities rubbed. Inscribed by the author. Very good. ISBN: 0674823605 [See image](#) \$ 175
170. **GRANT, Edward.** *Studies in Medieval Science and Natural Philosophy.* London: Variorum Reprints, 1981. 8vo. iv, 378 pp. Blue cloth, gilt-stamped cover and spine titles. PRESENTATION COPY FROM THE AUTHOR to David C. Lindberg. Fine. ISBN: 0860780899 [See image](#) \$ 100
171. **GREENE, Rebecca [ed.].** *History of Medicine.* (New York): Institute for Research in History and The Haworth Press, 1988. Series: *Trends in History*, Vol. 4, Nos. 2/3. 8vo. 133 pp. Printed wrappers. Fine. RARE. \$ 40
5 articles, including Faye Getz's "Western Medieval Medicine" and Esthe Katz's "The History of Birth Control in the United States."
172. **GRELL, Ole Peter & Andrew CUNNINGHAM [eds.].** *Religio Medici: Medicine and Religion in Seventeenth-Century England.* (Aldershot): Scolar Press, (1996). 8vo. viii, 347 pp. Illustrations, index. Burgundy cloth, gilt-stamped cover and spine titles. Burndy bookplate. Fine. RARE. BL2052 \$ 150
173. **GROSSETESTE, Robert.** *Episcopi Lincolniensis. Commentarius in VIII libros physicorum Aristotelis. Editit Richard C. Dales.* Boulder, CO: University of Colorado Press, 1963. 8vo. xxxii, 192 pp. Navy cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. [See image](#) \$ 100
174. **[GROSSETESTE, Robert] C. F. J. MARTIN.** *Robert Grosseteste on the Six Days of Creation. A translation of the Hexaëmeron.* (Oxford): Oxford University Press, (1996). 8vo. ix, 373 pp. Navy cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. Scarce. ISBN: 0197261507 [See image](#) \$ 100

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175. **GROSSETESTE, Robert.** *Commentarius in posteriorum analyticorum libros. Introduzione e testo critico di Pietro Rossi.* Firenze: Leo S. Olschki, 1981. 8vo. 412 pp. Printed wrappers. Fine. Scarce. \$ 75
176. **[GROSSETESTE, Robert] Richard C. DALES & Servus GIEBEN [eds.].** *Robert Grosseteste Hexaëmeron.* London: Oxford University Press, (1982). 8vo. xxix, 371 pp. Navy cloth, gilt-stamped spine title, dust jacket. Presentation inscription from the editor. Fine. RARE in cloth with jacket. ISBN: 0197260063 [See image](#) \$ 175
177. **GUILLEMIN, Amédée-Victor** (1826-1893). *Les Comètes. Ouvrage illustré par M. Rapine, Ph. Benoist et E. Guillemin.* Paris: Librairie Hachette, 1875. Tall 8vo. xii, 470 pp. 78 figures, 11 plates (1 double-page; 3 in chromo-lithography including the frontispiece); occasional foxing. Early quarter gilt-stamped red morocco over blind-stamped pebbled red cloth, moiré endpapers, 4 raised spine bands, a.e.g.; corners showing, front hinge strengthened. Very good. [See image a](#) [See image b](#) \$ 380
- FIRST EDITION of Guillemin's "popularizing work on the history of comets" (van Nouhuys, p. 25). Guillemin dedicated the entire first chapter of his book to superstitions connected with comets, to "make the reader understand how the transition from 'the most extravagant prejudices' to the 'serene and reassuring conceptions of contemporary science' took place" (p. 25).
- "What set Guillemin's works apart...were their very large number of illustrations, mostly woodcuts....Guillemin's astronomical works were the most lengthy and best-illustrated volumes available to the public in the last two generations of the 19th century." "The astronomical books of Guillemin did not have the authority of Proctor or Lockyer, the dash of Camille Flammarion, or the judgment of Agnes Clerke, but they held the field between the heyday of the woodcut and the rise of the halftone at the end of the 19th century. The closest that a later generation came to them was the Phillips-and-Stevenson collection, *Splendour of the Heavens*, after World War I. Guillemin's aim was to stir the imagination, and the richly illustrated books that spilled forth from his prolific pen did just that" (Lindner, pp. 449-50).
- Guillemin was a French physicist and astronomer, whose "fame is as an author of works on the physical sciences" (Lindner, p. 449). He was editor-in-chief of a journal called *La Savoie*, wrote a great number of books on physics and industry, and also several specifically on astronomy, including *Les Comètes*.
- ☼ Lindner, Rudi Paul. "Guillemin, Amédée-Victor." *Biographical Encyclopedia of Astronomers.* vol. 1. New York: Springer, 2007; van Nouhuys, Tabitha. *The Age of Two-faced Janus: the Comets of 1577 and 1618 and the Decline of the Aristotelian World View in the Netherlands.* Leiden: Brill, 1998.
178. **[GROSSETESTE, Robert] Francis Seymour STEVENSON.** *Robert Grosseteste, Bishop of Lincoln: A Contribution to the Religious, Political and Intellectual History of the Thirteenth Century.* Dubuque, IA: Wm. C. Brown, [n. d.]. Reprint of the 1899 edition. 8vo. xvi, 348 pp. Blue cloth, gilt-stamped spine title. Ownership signature. Fine. \$ 18

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179. **HAHM, David E.** *The Origins of Stoic Cosmology.* (Columbus, OH): Ohio State University Press, (1977). 8vo. xix, 292 pp. Navy cloth, gilt-stamped spine title, dust jacket; jacket torn. Ownership signature. Very good. ISBN: 08142002535 \$ 55
180. **HALL, Marie Boas.** *Robert Boyle on Natural Philosophy: An Essay With Selections from His Writings.* Bloomington, IN: Indiana University Press, 1966. Second printing. 8vo. ix, 406 pp. Navy cloth, gilt-stamped spine title. Ownership signature. Fine. \$ 8
181. **HALL, Thomas S.** *Ideas of Life and Matter: Studies in the History of General Physiology, 600 B.C.-1900 A.D. Vol. One: From Pre-Socratic Times to the Enlightenment. Vol. Two: From the Enlightenment to the End of the Nineteenth Century.* Chicago and London: University of Chicago Press, (1969). 2 volumes. FIRST EDITION. 8vo. xii, 419; vii, 399 pp. Tables, indexes. Light green cloth, gilt-stamped black spine label, dust-jacket; corners bumped. Burndy bookplates. Very good. BL2378 \$ 50
182. **HALL, Marie Boas.** *The Mechanical Philosophy.* New York: Arno Press, 1981. 8vo. (412)-541, (38)-48 pp. Tan cloth, red-stamped cover and spine titles. Ownership signatures. Fine. ISBN: 0405138733 \$ 20

Lovely Copy

183. **HALLEY, Edmund** (c. 1656-1743). *Astronomical Tables, with Precepts Both in English and Latin, for Computing the Places of the Sun, Moon, Planets, and Comets.* London: William Innys, 1752. 4to. [viii], [379] pp. Engraved frontispiece portrait of the author, index; lacks half-title (not present in all copies), off-setting to pastedowns and free end-leaves and title-page opposite frontis., some corners browned, else text clean. Beautiful gilt-stamped double-ruled calf, decorative spine, dark red leather spine label; a bit rubbed, spine recently replaced to period style and corners renewed. Near fine.

[See image a](#) [See image b](#) \$ 2750

FIRST EDITION IN ENGLISH of Halley's celebrated *Astronomical Tables*, which was first published in Latin in 1749; this issue comprising of the sheets from the Latin 1749 edition (title-page included), with the addition of the English translation of the preface and precepts. A particularly attractive copy in an elegant binding.

“In the preface to Halley's tables, they are said to have been printed off in 1719. This is not quite accurate; for at a meeting of the Royal Society on 2nd of June, 1720, he exhibited ‘his tables and discourse upon the motions of comets, being the last sheets of his book of astronomical Tables almost ready to be published.’ He was, however, now become Astronomer Royal, and the opportunity of verifying, and the hopes of improving his calculations, induced him to keep them by him for the remainder of his life. They were not therefore published till some years after his death, when certain portions were cancelled, and the precepts for the rest were supplied by Dr. Bevis and Mr. Raper” (Bradley, p. xcvi).

“Dr. [John] Bevis [1693/95-1771] was the author of a great many works, which have been well received by the public; but his modesty would not permit him to take the merit of them himself. It is to him we are indebted for the celebrated publication of Dr. Halley's astronomical tables, with whom he was intimately acquainted. They were left from the year

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1725 until his death in the hands of the printer...” where they might have indefinitely languished “had not Dr. Bevis taken them up, and by supplying the necessary auxiliary tables, and precepts to use them, brought them to light in the year 1749” (Evans, p. 249).

“The publication, in 1687, of Newton’s *Principia mathematica philosophiae naturalis* had a profound effect on both science in general and cometary science in particular. The harmony of the Newtonian system, in which all heavenly motions, including those of comets, were satisfactorily explained, appealed to many, and gave rise to a veritable passion for calculating cometary orbits. Its most famous exponent was undoubtedly Edmond Halley, who not only made the prediction, posthumously proved successful, of the return of the comet now bearing his name, but also compiled a voluminous collection of *Astronomical Tables*.... This work opened with a ‘Synopsis of the History of Comets’ whose sole purpose was to explain which of the past observations of comets were suitable for calculating cometary orbits. The rest of the book consisted of tables full of astronomical data on past comets, without reference to any of the theories held by the ancients” (van Nouhuys, p. 21).

“The editor of these ‘tables’ was probably James Bradley, Halley’s successor as Astronomer-Royal” (Rudolph & McPike, p. 4).

☼ Babson 350; Bradley, James. *Miscellaneous Works and Correspondence*. London: Oxford University Press, 1832; Evans, T. S. “Life of John Bevis.” *Philosophical Magazine*. 23. (1806): 247-62; McPike, Eugene Fairfield. “Halley’s Comet: Its Past History and 1910 Return.” *Smithsonian Miscellaneous Collections*. 48. (1907): 69-74; Rudolph, Alexander J. and Eugene Fairfield McPike. *Material for a Bibliography of Dr. Edmond Halley (1656-1752 [i.e. 1742])*. Boston: Boston Book Co., 1904; van Nouhuys, Tabitha. *The Age of Two-faced Janus: the Comets of 1577 and 1618 and the Decline of the Aristotelian World View in the Netherlands*. Leiden: Brill, 1998.

184. **HAMEROW, Theodore S.** *Reflections on History and Historians*. (Madison, WI): University of Wisconsin Press, (1987). 8vo. xiii, 267 pp. Tan cloth, green-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 0299109305 \$ 6
185. **HARRÉ, R.** *Matter*. London et al: Macmillan & Co. (1964). Small 8vo. x, 124 pp. Green cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. \$ 12
186. **HARRÉ, R. [ed.]**. *Early Seventeenth Century Scientists*. Oxford et al: Pergamon Press, (1965). Small 8vo. xi, 188 pp. Printed wrappers. Ownership signature on half-title. Fine. \$ 6
187. **HARVEY, E. Newton.** *A History of Luminescence from the Earliest Times Until 1900*. Philadelphia: American Philosophical Society, 1957. Thick 8vo. xxiii, 692 pp. Grey cloth, black-stamped cover and spine titles, dust jacket. Ownership signature. Fine. \$ 50
188. **HARVEY, L. P.** *Islamic Spain 1250 to 1500*. Chicago & London: University of Chicago Press, (1992). 8vo. xiv, 370 pp. Printed wrappers. Ownership signature. Fine. ISBN: 0226319628 \$ 15

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189. **HARVEY, William.** *Lectures on the Whole of Anatomy. An annotated translation of Praelectiones Anatomiae Universalis by C.D. O'Malley, F.N.L. Pynter & K.F. Russell.* Berkeley & Los Angeles: University of California Press, 1961. 8vo. 239 pp. Tan and red cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. \$ 12
190. **[HARVEY, William] Gweneth WHITTERIDGE.** *William Harvey and the Circulation of the Blood.* New York: Science History Publications, (1971). 8vo. xiii, 269 pp. Teal cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. \$ 23
191. **[HARVEY, William] Jerome J. BYLEBYL [ed.].** *William Harvey and His Age: The Professional and Social Context of the Discovery of the Circulation.* Baltimore & London: Johns Hopkins University Press, (1979). Series: The Henry E. Sigerist Supplements to the Bulletin of the History of Medicine, New Series, no. 2. 8vo. xii, 154 pp. Red cloth, gilt-stamped cover and spine titles. Ownership signature. Fine. ISBN: 080182130 \$ 25
- With three papers: Charles Webster's "William Harvey and the Crisis of Medicine in Jacobean England"; Jerome J. Bylebyl's "The Medical Side of Harvey's Discovery: the Normal and the Abnormal"; Robert G. Frank, Jr.'s "The Image of Harvey in Commonwealth and Restoration England."
192. **HAYCOCK, David Boyd & Patrick WALLIS [eds.].** *Quackery and Commerce in Seventeenth-Century London: The Proprietary Medicine Business of Anthony Daffy.* London: The Wellcome Trust Centre for the History of Medicine at UCL, 2005. Series: *Medical History*, Supplement No. 25. 8vo. viii, 216 pp. Maps, figs., tables, index. Red cloth, gilt-stamped cover and spine titles. Burndy bookplate. Fine. BL1961 \$ 38
193. **HEIDEL, William Arthur.** *The Heroic Age of Science: The Conception, Ideals, and Methods of Science among the Ancient Greeks.* New York: AMS Press, (1971). 8vo. vii, 203 pp. Navy cloth, gilt-stamped spine title. Ownership signature. Fine. ISBN: 0404032346 \$ 10
194. **HEISENBERG, Werner, (1901-1976).** "Zur theorie des ferromagnetismus." In: *Zeitschrift fur physik*, 49; Berlin: Julius Springer, 1928. Full volume. 8vo. pp. 619-636. 1 fig. Navy cloth, gilt stamped spine. Ex library Carnegie Institution of Washington Mount Wilson Observatory with call number gilt stamped on spine and library blind-stamp on front free end paper. Clean copy, handsomely bound. FINE. RARE.

[See image](#) \$ 250

Heisenberg's paper resolved the puzzle of magnetism in iron, which he developed independently of the quantum mechanical explanation of the nature of ferromagnetism offered that year by Yakov Frenkel. *DSB*, V, p. 160. S1344

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195. **HELMHOLTZ, Hermann von.** *Populäre Wissenschaftliche Vorträge.* Braunschweig, Germany: Friedrich Vieweg und Sohn, 1876. Third edition. 8vo. vii, [5], 139 pp. 17 figures. Faint foxing to pastedowns and free end-leaves, else text clean. Half navy blue cloth over marbled paper-backed boards, paper spine label; extremities rubbed, label torn, rear cover scratched. Ownership signature of "Professor Westphal" and blind-stamp of another collector. Very good. \$ 25
- One of three parts issued.
196. **HERACLITUS OF EPHEBUS; G. T. W. PATRICK; I. BYWATER; Lewis RICHARDS.** *Heraclitus of Ephesus. An edition combining in one volume the fragments of the work of Heraclitus of Ephesus on nature. Translated from the Greek text of Bywater with introduction and critical notes G.T.W. Patrick and Heracliti Ephesii Reliquiae with an introduction and select bibliography by Lewis A. Richards.* Chicago: Argonaut, 1969. 8vo. xviii, 131, xiii, 89 pp. Green cloth, gilt-stamped spine title. Ownership signature. Fine. \$ 42
197. **HERLIHY, David [ed.].** *The Black Death and the Transformation of the West. With an introduction by Samuel K. Cohn, Jr.* Cambridge, MA: Harvard University Press, 1997. 8vo. 117 pp. Printed wrappers. Ownership signature. Fine. ISBN: 0674076133 \$ 5
198. **HERSCHEL, William; J. L. E. DREYER [ed.].** *The Scientific Papers of Sir William Herschel, including Early Papers Hitherto Unpublished. Collected and Edited under the Direction of a Joint Committee of the Royal Society and the Royal Astronomical Society. With a Biographical Introduction Compiled Mainly from Unpublished Material by J. L. E. Dreyer.* London: Royal Society, 1912. 2 volumes. 4to. cxix, 597; vi, 798 pp. 22; 5 plates, illustrated throughout. Original publisher's cloth. RARE. A near fine set. [See image a](#) [See image b](#) \$ 2000
- FIRST COLLECTED EDITION. "Herschel's publications consist of some seventy papers which appeared in the *Philosophical Transactions of the Royal Society* between 1780 and 1818, and one in *Memoirs of the Royal Astronomical Society*, 1 (1821) [along with a number of papers that were never published]. These are reprinted together with unpublished papers and biographical material in J. L. E. Dreyer, ed., *The Scientific Papers of Sir William Herschel*, 2 vols. (London, 1912)" (*DSB*, Vol. VI, p. 336).
- The books are a generous, large 4to. format and include all of Herschel's work in astronomy and physics, as well a biography of Herschel.
199. **[HERON] A. G. DRACHMANN.** *The Mechanical Technology of Greek and Roman Antiquity.* Copenhagen, Madison, WI & London: Munksgaard, University of Wisconsin Press & Hafner, 1963. 8vo. 218 pp. Orange cloth, black-stamped spine title, dust jacket. Ownership signatures. Fine. \$ 70
200. **HERRERA, Amíleir O.** *Ciencia y Política en América Latina.* (Mexico City): XXI Siglo Veintiuno Editores, (1985). New edition. Series: *Economía y Demografía.* 8vo. viii, 206 pp. Printed wrappers; covers slightly rubbed. Burndy Library bookplate. Very good. ISBN: 9682301610 \$ 8

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Hertz' Theories of Electromagnetic Wave Propagation

201. **HERTZ, Heinrich Rudolf** (1857-1894). *Electric Waves being researches on the propagation of electric action with finite velocity through space. Authorized English translation by D. E. Jones with a preface by Lord Kelvin.* London: Macmillan & Co., 1900. 8vo . xv, 278 pp. 40 figs., numerous formulae & charts, index. Modern full navy morocco, raised bands, gilt-stamped spine title, t.e.g. Fine.

[See Image](#) \$ 850

SECOND EDITION IN ENGLISH of *Untersuchungen über die Ausbreitung der elektrischen Kraft*. "Hertz was the first to demonstrate experimentally that electromagnetic waves radiate in space at the speed of light, just as Maxwell had predicted in his *Treatise on Electricity and Magnetism*. Hertz determined that electromagnetic waves were longer than light waves and showed that they were in complete correspondence with the waves of light and heat in the transverse nature of their vibration and their susceptibility to reflection, refraction, and polarization." [Hook & Norman]

"Experimental proof by Hertz of the Faraday-Maxwell hypothesis that electrical waves and be projected through space was begun in 1887, eight years after Maxwell's death. The two main requirements were (a) a method of producing the waves, supposing that they existed, and (b) a method of detecting them once they were produced. Hertz found the first problem easy to solve. He used the oscillatory discharge of a condenser. Detection was much more difficult, because there then existed no means of detecting currents alternating at the high speed of these waves. Hertz in fact used an effect as old as the discovery of electricity itself—the electric spark. By inducing the waves to produce an electric spark at a distance, with no apparent connexion between the oscillator and the spark gap, and by moving the sparking apparatus so that the length of the spark varied, he proved beyond question the passage of electric waves through space." [PMM]

☼ BM Readex Vol. 12, p. 71; DSB Vol. VI, pp. 340-50; Hook & Norman, *Origins of cyberspace*, 158; *Printing and the mind of man*, 377 (German 1st ed.)

202. **HESSE, Mary B.** *Forces and Fields: The Concept of Action at a Distance in the History of Physics.* Totowa, NJ: Littlefield, Adams & Co., 1965. Littlefield, Adams & Co., 1965. 8vo. x, 318 pp. Printed wrappers. Ownership signature on half-title. Fine. \$ 12
203. **HESSENBRUCH, Arne [ed.]**. *Reader's Guide to the History of Science.* London & Chicago: Fitzroy Dearborn Publishers, (2000). Thick 4to. xxix, 934 pp. Printed boards. Contributor's copy with the signature of David C. Lindberg. Fine. ISBN: 188496429X \$ 85
204. **HEVELIUS, Johannes.** *Selenographia, sive lunae descriptio.* New York: Johnson Reprint Corporation, 1967. 4to. xix, [30], 563, [20] pp. Frontispiece, plates, index. Exquisite gilt-stamped red cloth, intricate decorations, publisher's cardboard slip-case; slip-case slightly rubbed with ink notation to front panel. Mint in very good case.

[See image](#) \$ 1250

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“Hevelius’s first major research project was mapping the moon. He set out to observe and draw every phase of the Moon, a task that took him years because of the variable weather in Gdansk. In 1647 he published *Selenographia, sive lunae description*. In this ambitious work, he revealed all of telescopic astronomy, but the centerpiece was the section containing engravings of all phases of the Moon, both waxing and waning, and three large plates of the full Moon that showed the parts of the Moon revealed by libration, a slow oscillation as seen from the earth. *Selenographia* established Hevelius’s reputation as one of the foremost astronomers of Europe” (van Helden, p. 462).

☼ van Helden, Albert. “Hevelius, Johannes (1611-1687).” *Encyclopedia of the Scientific Revolution: From Copernicus to Newton*. East Sussex: Psychology Press, 2000.

205. **HEWSON, J. B.** *A History of the Practice of Navigation*. Glasgow: Brown, Son & Ferguson, (1951). FIRST EDITION. 8vo. viii, 270 pp. Illustrations, index. Dark blue cloth, gilt-stamped cover and spine titles, dust-jacket; jacket worn with pieces missing and tape repair, else very good. Burndy bookplate.

\$ 125

Rare in jacket. Charles Singer’s copy with his bookplate. BL2293

Astrological Calendar - Book of the Planets

206. **HILDEBRAND, Wolfgang (ca. 1572-ca.1635).** *Magiae Naturalis. Dritter Theil: Das ist: Ein new außserlesen Planeten-Buch, darinnen beschrieben und eigentlich gelehret wird, wie ein jeder Mensch, so nur schreiben und lesen kan, ihme selbsten aus seiner Geburtsstunde, mit hülfße des hiebey gefügeten Calendarii perpetui, sein Zeichen, Planeten und vornemst Gestirn, darunter er geboren, außrechnen ... könne ...: Beneben einer angebefften kurtzen Beschreibunge der Physiognomiae, Chiromantiae ...* Leipzig, Henning Grossen des Jüngern, 1620. Three parts in one vol. Sm. 4to. 218 pp. (of 220? – lacking final 2 pages). Collation: a-d⁴, A-Dd⁴, Ee¹ (lacking Ee²⁻⁴). 8 woodcuts, 1 map of the earth, folding astrological chart with the sun at center (facing p. 40), astrological chart of the solar system (p.77). Some leafs slightly trimmed with some loss at bottom margin, browning. Disbound. RARE.

Series title: New augirte.. *Magia Naturalis: Das ist Kunst vnd Wunderbuch; Darinnen begriffen wunderbare Secreta, Geheimnisse, vnd Kunststücke, wie man.. mit dem gantze Menschlichen Körper zahmen vnd wilden Thieren.. fast vnerhörte wunderbarliche Sachen verrichte .. kan; Beneben erzehlung vieler wunderlichen Dingen.. / Wolfgang Hildebrand, Dritter Theil.*

[See image a](#) [See image b](#) \$ 1200

This is the astronomical part of Hildebrand’s very rare work, published over many years and seldom found complete. The full-version of the work contains the recipes and secrets relating to natural magic. Within that book is a three-part treatise on astrology [the present work]. “In 1610 appeared the first edition of a work in German by Wolfgang Hildebrand on natural magic. It contains recipes for coloring the hair, improving the memory, making a man merry or melancholy. To see by night one rubs one’s eyes with the blood of a bat, a prescription taken from the *De mirabilibus mundi* current under the name of Albertus Magnus. Other secrets are to see marvels in one’s dreams, not to get intoxicated quickly, to make men

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seem headless or with the heads of animals – an old favorite of medieval manuals of marvelous experiments, and to sleep for three days at a stretch. [etc.]” He also published an astrological work at Erfurt in 1613 ... - Thorndike, *History of Magic*, VII, pp. 277-278.

The *Astrologia naturalis* of Johannes ab Indagine and the *Planeten-Buch* by Wolfgang Hildebrand (fl. 1622–1631) form the basis for the conversation with Indagine (Bauer). In all three of these columns, Simplicissimus plays the role of the naïve one, who knows absolutely nothing, not even how one is to read the signs of the calendars. Zonagri reproaches him again and again because of his lack of knowledge and he mocks him, whereas Indagine adopts a very different attitude, namely he informs him very objectively about both astronomy and astrology. That is to say, in the fourth through sixth columns, we are dealing with a type of meta-text of the far left-hand column. This column is contrasted with the premises of calendar making in that left-hand column. Although Grimmelshausen has taken his astronomical and astrological knowledge verbatim from his sources, one can nevertheless ask what kind of knowledge he wanted to transmit and what function the transmission of this knowledge has within the text. Those sources of Grimmelshausen which have been traced, at least to date, show that we are dealing with a popularized scientific literature that was not on a par with the most recent investigations, but which was nonetheless widely disseminated through numerous treatises and broadsides.” - Karl F. Otto, *A companion to the works of Grimmelshausen*, (2003), p. 181.

The book contains all three parts relating to astrology. The first book discusses the description of the seven “planets”, including: Saturn, [p.42], Jupiter, Mars, Sun, Venus, Moon, and Mercury. Earth is considered the center of the system. The second book, referencing the influence of Albertus Magnus, offers a perpetual calendar-table (listed month by month) of dates for the years to come. The third book deals with chiromancy, or palmistry [p.184+].

Only location found (CoPac): Staatsbibliothek zu Berlin - Preussischer Kulturbesitz [Berlin State Library – Prussian Cultural Heritage].

See: Ernst Weil, 3:103 (1625 in 3 pts.); 28:152 (1629). Zinner 4814. See also: Telle, Joachim, “Die ‘Magia naturalis’ des Wolfgang Hildebrand”, *Sudhoffs Archiv*. 1976; 60(2): pp. 105-22.

207. **HIEBERT, Ray and Roselyn.** *Atomic Pioneers. Book 1: From Ancient Greece to the 19th Century. Book 2: From the Mid-10th to the Early 20th Century. Book 3: From the Late 19th to the Mid-20th Century.* (Oak Ridge, TN): United States Atomic Energy Commission, 1970-73. Series: *World of the Atom*. 3 volumes. 8vo. [ü], 65; [ü], 94; [ü], 99 pp. Numerous photographs. Original printed wrappers. Very good. \$ 15
208. **HILDEBRANDT, M. M.** *The External School in Carolingian Society.* Leiden, New York & Koln: E.J. Brill, 1992. 8vo. xii, 169 pp. Navy cloth, gilt-stamped cover and spine titles, dust jacket. Presentation inscription (not the author). Fine. ISBN: 9004094490 \$ 80

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209. **HIRSH, Richard F.** *Power Loss: The Origins of Deregulation and Restructuring in the American Electric Utility System.* Cambridge, MA and London: MIT Press, (1999). FIRST EDITION. 8vo. x, 406 pp. Illustrations, tables, index. Quarter yellow cloth over beige cloth sides, silver stamped spine title, dust-jacket. Burndy bookplate. Fine. BL2295 \$ 165
210. **HOLCOT, Robert.** *Exploring the Boundaries of Reason: Three Questions on the Nature of God.* Edited by Hester Goodenough Gelber. (Toronto): Pontifical Institute of Mediaeval Studies, (1983). 8vo. 139 pp. Printed wrappers. Ownership signature. Fine. Scarce. ISBN: 0888440626 \$ 40
211. **HOLMES, David L.** *The Religion of the Founding Fathers.* [Ann Arbor]: Ash Lawn-Highland, The Clements Library, (2003). 8vo. 156 pp. Original printed wrappers. Very good. \$ 8
212. **HOLMES, Thomas James.** *Cotton Mather: A Bibliography of His Works.* Cambridge, MA: Harvard University Press, 1940. 3 volumes, with additional volume by the author: *The Minor Mathers: A List of Their Works.* 8vo. 1395; xxx, 218 pp. Decorative red title border, illustrations, indices. Original quarter dark brown levant over lighter brown cloth, t.e.g., gilt-stamped spine by Harcourt Bindery, Boston. Fine. Burndy bookplate. A BEAUTIFUL SET. \$ 500
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214. **[HOOKER] HUXLEY, Leonard.** *Life and Letters and Sir Joseph Dalton Hooker. Based on Materials Collected and Arranged by Lady Hooker.* London: John Murray, 1918. Two volumes. 8vo. x, [2], 546; vi, 569 pp. Frontis. Blue cloth, gilt-stamped cover ornaments, gilt-stamped spine titles; recased, new endpapers. Fine. [See image](#) \$ 600
First edition, first printing. This two-volume is the first full-length biography of Hooker, written and edited by Leonard Huxley with the assistance of Hooker's widow, Lady Hyacinth Hooker. Hooker (1817-1911), British botanist, was arguably the most important botanical figure of the nineteenth century. A traveler and plant-collector, he was one of Charles Darwin's closest friends and eventually succeeding his father to become director of Britain's Royal Botanic Gardens, Kew, in 1865. Hooker was chief botanist (1839-1843) teaming with Dr. David Lyall, of the Antarctic voyage, on the discovery ships *HMS Erebus* and *HMS Terror* (consort to *Erebus*; the *Terror* was commanded by Crozier), under the command of Sir James Clark Ross, visiting Madeira and the Cape of South Africa. During the voyage he also served as assistant surgeon on the *Erebus*. In 1848-51 he journeyed to Nepal and India collecting many specimens preserved at Kew Gardens. See: W. B. Turrill, *Joseph Dalton Hooker. Botanist, Explorer and Administrator* (London, 1963). S9148

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215. **HOOYKAAS, R.** *Fact, Faith and Fiction in the Development of Science: The Gifford Lectures Given in the University of St. Andrews, 1976.* Dordrecht, Boston & London: Kluwer Academic Publishers, (1999). 8vo. xvi, 454 pp. Navy cloth, gilt-stamped spine title, dust jacket. Fine. ISBN: 0792357744 [See image](#) \$ 150

216. **HOSMER, James. K.** *History of the Expedition of Captains Lewis and Clark 1804-5-6.* Chicago: A.C. McClurg, 1902. Reprinted from 1814 edition. 2 volumes, with portraits and maps. 8vo. lvi, 500; ix, 586 pp. Frontis., plates, maps, index. Some pages un-opened. Quarter brown cloth over tan cloth sides, gilt-stamped spine, t.e.g.; inner hinges neatly reinforced, short tear to joint mended. Burndy bookplates. Very good. BL1967 \$ 80

217. **HORTON, Robin.** *Patterns of Thought in Africa and the West. Essays on magic, religion and science.* (Cambridge): Cambridge University Press, (1993). 8vo. xi, 471 pp. Printed wrappers. Ownership signature. ISBN: 0521369266 \$ 25

218. **HOPKINSON, John.** *Original Papers by the Late John Hopkinson. Edited with a memoir by B. Hopkinson. Vol. I: Technical Papers. Vol. II: Scientific Papers.* Cambridge, UK: Cambridge University Press, 1901. 2 volumes. 8vo. lxvi, 294; vii, 393 pp. Frontispiece, figures. Original double-ruled maroon cloth, gilt-stamped spines; corners and spine ends faintly rubbed. Half-title and f.f.e.p. rubber stamps, Dominion Observatory Ottawa Library bookplates. Very good +.

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☼ “Original Papers....” *Philosophical Magazine*. 1902: p. 357.

219. **[HOUSSAY, Bernardo A.] Virgilio G. FOGLIA & Venancio DEULOFEU.** *Bernardo A. Houssay: Su Vida y Su Obra, 1887-1971. Presentación: Severo Ochoa.* Buenos Aires, (Academia Nacional de Ciencias Exactas, Físicas y Naturales), 1981. Tall 8vo. 261 pp. Color portrait. Original printed wrappers. Burndy Library bookplate, half-title rubber stamp of Instituto de Biología y Medicina Experimental. RARE. Very good.

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Collaborating authors include J. C. Fasciolo, E. Hug, A. Lanari, F. Leloir, A. C. Taquini, and R. Vaccarezza. “Houssay was an Argentine physiologist who, in 1947, received one half Nobel Prize for Physiology or Medicine for his discovery of the role played by pituitary hormones in regulating the amount of blood sugar (glucose) in animals” (*Wikipedia*).

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220. **HUES, Robert.** *Tractatus de Globus et Eorum Usu. A Treatise Descriptive of the Globes Constructed by Emery Molyneux, and Published in 1592. Edited, with Annotated Indices and an Introduction, by Clements R. Markham.* London: Hakluyt Society, 1889. Series: *Sailing Directions for the Circumnavigation of England*, No. LXXIX. 8vo. lviii, 229, 37, ads. 16 pp. Frontis., fold-out color map, indexes, glossary. Light blue cloth, gilt-stamped cover illustration and spine title; extremities a bit stained, spine chipped, inner hinges cracked. Pages un-opened. Burndy bookplate. Good. BL1968 \$ 95
221. **[HUMBOLDT, Alexander von].** *Conferencias leídas en la Academia en los días 19 y 22 de octubre de 1959, con motivo del Centenario del fallecimiento de Alejandro de Humboldt.* Madrid: Real Academia de Ciencias Exactas, Físicas y Naturales, 1960. FIRST EDITION. 8vo. 166 pp. Portrait. Printed wrappers. Rubber ownership stamp, Burndy Library bookplate. RARE. Very good. \$ 35
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224. **HUNGERFORD, Edward.** *The Story of the Baltimore & Ohio Railroad, 1827-1927. Profusely Illustrated with Maps, Prints, Photographs, etc., etc.* New York and London: G.P. Putnam's Sons, 1928. 2 vols. FIRST EDITION. 8vo. xii, 372; x, 365 pp. Frontis., plates, index. Navy cloth, gilt-stamped spine title, t.e.g., dust-jackets; jackets worn with pieces missing, top spine cloth torn on both volumes (titles affected). Bookplates of the Burndy Library. Good. \$ 75
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227. **HUNTER, Andrew [ed.].** *Thornton and Tully's Scientific Books, Libraries, and Collectors: A Study of Bibliography and the Book Trade in Relation to the History of Science.* Aldershot, et al.: Ashgate, (2000). Fourth edition, revising the third (London: 1971). 8vo. xii, 405 pp. 8 plates, index. Green cloth, silver stamped spine title, dust-jacket. Burndy bookplate. Fine. BL2060 \$ 150

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228. **HUXLEY, Thomas Henry** (1825-1895). *The Crayfish. An introduction to the study of zoology.* London: C. Kegan Paul & Co., 1880. 8vo. xiv, 371 pp. Frontis., 81 figs., index. Original olive cloth, beveled boards, gilt-stamped spine title; neatly restored spine. Fine. This issue quite rare.

[See image](#) \$ 1250

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229. **HUYGENS, Christiaan** (1629-1695). [*Cosmotheoros*] ..., *sive De Terris Caestibus, earumque Ornatu, Conjecturae ad Constantinum Hugenium.* Hagae-Comitum: Adrianum Moetjens, 1698. Small 4to. [2], 144 pp. Engraved title vignette, engraved head pieces, engraved tail piece, engraved initials, 5 folding engraved plates; title margin rebuilt, a few pages nicked at margin,

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☼ DSB, VI, p. 610-611; Gascoigne 2375. 5; Macpherson, *Makers of Astronomy*, p. 52; Poggendorf, I, col. 1165; Thorndike, *History of Magic and Experimental Science*, VII, Chapter XXII; Waller 12060 (Leoburgi, 1704); Welcome, III, p. 324; Wolf, *History of Science*, I, pp. 162-163. S8316

230. **IMBACH, Ruedi & Alfonso MAIERÙ.** *Gli studi di filosofia medieval Fra Otto e Novecento.* Roma: Edizioni di Storia e Letteratura, 1991. Series: *Storia e Letteratura raccolta di Studi e Testi*, 179. 8vo. 434 pp. Printed wrappers. Ownership signature. Fine. RARE.

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18 papers, including John E. Murdoch's "Pierre Duhem and the History of Late Medieval Science and Philosophy in the Latin West."

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bibliographique des ouvrages ... 1885, page 12; Alfred Chapuis, *La montre chinoise*, page 118
(includes a portrait of the author). S2846

240. **JENKINS, Rhys.** *The Collected Papers of Rhys Jenkins, M.I. Mech. E. Comprising Articles in the Professional and Technical Press Mainly Prior to 1920 and a Catalogue of Other Published Work.* Cambridge: Cambridge University Press for the Newcomen Society, 1936. 4to. x, 247, [ads 1] pp. Frontis., 7 plates, 26 text figs., index. Quarter beige cloth over green cloth, gilt-stamped spine title (with double-ruled border); bottom spine end chipped, some light foxing. Very good.

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244. **JÜTTNER, Guido** (b.1939-). *Wilhelm Gratarolus, Benedikt Aretius: Naturwissenschaftliche Beziehungen der Universität Marburg zur Schweiz im sechzehnten Jahrhundert. Inaugural-Dissertation zur Erlangung der Doktorwürde der Naturwissenschaftlichen Fakultät der Philipps-Universität Marburg/Lahn.* Marburg, Germany: Erich Mauersberger, 1969. 8vo. ii, 345 pp. Photographs. Original printed wrappers; spine foot torn, holograph ink spine title. Very good.

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247. **KARPINSKI, Louis C.** *Bibliography of Mathematical Works Printed in America through 1850*. Ann Arbor & London: University of Michigan Press & Oxford University Press, 1940. FIRST EDITION. 4to. xxvi, 697 pp. Illustrations, indexes. Dark blue cloth, blind stamped cover emblem, gilt-stamped spine title; extremities lightly speckled, inner hinge cracked. Burndy bookplate. Very good. \$ 400
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256. **LAFUENTE, Antonio & Antonio MAZUECOS**. *Los Caballeros del Punto Fijo. Ciencia, política y aventura en la expedición geodesic hispanofrancesa al virreinato del Perú en el siglo XVIII*. [Barcelona]: Serbal/CSIC, (1987). FIRST EDITION. Large 8vo. 256 pp. Illustrations, index. Gilt-stamped maroon cloth, dust-jacket; corners gently bumped. Bookplate. Near fine. Scarce. ISBN: 8400065468 ISBN: 8476280319 \$ 40
257. **[LAMARCK, Jean-Baptiste]**. *Lamarck e il Lamarckismo: Atti del Convegno, Napoli, 1-3 dicembre 1988*. (Naples): La Città del Sole, 1995. Series: *Istituto Italiano per Gli Studi Filosofici, Seminari di Scienze, Nuova Serie*, 4. 8vo. 219 pp. Bibliography. White printed wrappers. Burndy Library bookplate. Near fine. ISBN: 8886521057 \$ 20
258. **LAMB, J. Parker**. *Perfecting the American Steam Locomotive*. Bloomington & Indianapolis: Indiana University Press, (2003). FIRST EDITION. Series: *Railroads Past and Present*. Tall 8vo. xi, 197 pp. Photos and illustrations, tables, index. Quarter tan cloth with brown paper boards, brown stamped spine title, dust-jacket. Burndy bookplate. Fine. BL2164 \$ 65
259. **LAMB, Ursula**. *Cosmographers and Pilots of the Spanish Maritime Empire*. (Aldershot and Brookfield): Variorum, 1995. Series: *Variorum Collected Studies Series*, CS499. 8vo. xv, 267 pp. Illustrations, index. Gilt-stamped blue cloth. Burndy bookplate. Fine. BL2299 \$ 120
260. **LAMB, Willis E., Jr.** (1913-2008). [Three offprints] [1]: "A Note on the Capture of Slow Neutrons in Hydrogenous Substance" [from] *Physical Review*, Vol. 51, Iss. 3. [Minneapolis: American Physical Society], 1937. Offprint. 8vo. 187-90 pp. Self-wrappers. Fine. [See below for the following]: [2]: "Passage of Uranium Fission Fragments Through Matter" [from] *Physical Review*, Vol. 58, No. 8. [Minneapolis: American Physical Society], 1940. [with] [3]: "The Propagation of Order in Crystal Lattices" [from] *Physical Review*, Vol. 64, Nos. 5 & 6. [Minneapolis: American Physical Society], 1943.

[See image](#) \$ 1800

Lamb attended the University of California at Berkeley for both his undergraduate and post-graduate studies. "For theoretical work on scattering of neutrons by a crystal, guided by J. Robert Oppenheimer, he received the Ph.D. in physics in 1938. Because of limited

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computational methods available at the time, this research narrowly missed revealing the Mössbauer Effect, 19 years before its recognition by Mössbauer” (*Wikipedia*).

“A Note on the Capture of Slow Neutrons...,” presented on November 9, 1936 and published in *Physical Review* in 1937, contributed to the first part of Lamb’s thesis dissertation. The title of the dissertation was “I. On the capture of slow neutrons in hydrogenous substances. II. Electromagnetic properties of nuclear systems.”

“At Ann Arbor, I had heard Fermi lecture on the effect of chemical binding of a hydrogen atom on its scattering of slow neutrons. This interested me, and I began to work on related problems. It seemed that there might also be an effect of the binding of a hydrogen atom on the capture cross section for slow neutrons. At first I thought the effect would be large, but finally had to settle for a very rough estimate of the cross section for a very unlikely process: the radiationless capture of neutrons by bound protons to form deuterons, with the excess energy and momentum going into vibrational motion of the deuteron instead of a gamma ray. The normal capture process was very little affected by the chemical binding. Even today, this radiationless capture has never been seen, but I am still hoping that someday it may be. This work formed part of my doctoral thesis. The other part dealt with electromagnetic properties of nuclear matter” (Lamb, p. 136).

“There is no greater tribute to Oppenheimer than the list of Ph.D.s he delivered, which includes Carlson, Christy, Dancoff, Kusaka, Lamb, Morrison, Snyder, and Volkoff” (Pais, p. 369).

“Lamb was an American physicist who received the Nobel Prize for Physics in 1955 for his precision measurements of details of the spectrum of hydrogen. These included studies of *fine structure* and measurements of the *Lamb shift*, a key observational step on the road to the development of the theory of *quantum electrodynamics* (p. 203).

☼ Gribbin, John. “Lamb, Willis Eugene, Jr. (1913-).” *Q Is for Quantum: An Encyclopedia of Particle Physics*. New York: Free Press, 1998; Lamb, Willis E., Jr. “Five Encounters with Felix Bloch.” *Rice University Studies*. 66.3 (1980): 133-45; Pais, Abraham. *Inward Bound: Of Matter and Forces in the Physical World*. Oxford: Clarendon Press, 1986.

LAMB, Willis E., Jr. (1913-2008). “Passage of Uranium Fission Fragments Through Matter” [from] *Physical Review*, Vol. 58, No. 8. [Minneapolis: American Physical Society], 1940. Offprint. 8vo. 696-702 pp. Original self-wrappers. Fine.

“Early theoretical efforts on heavy-ion stopping date back to Bohr (1940) who pointed out the importance of screening due to projectile electrons in the slowing-down of fission fragments, and to Lamb (1940) and Knipp and Teller (1941) who studied the problem of charge equilibrium for penetrating heavy particles” (Sigmund, p. 19).

Niels Bohr (1885-1962), the renowned Danish quantum and nuclear physicist, had been working in Copenhagen on determining how fission fragments penetrate matter simultaneously with Lamb’s experiments. In a letter that he wrote to Tom Lauritsen, a contemporary physicist, Bohr mentions this article specifically, writing: “Just a few days ago I received a copy of *Physical Review* of October 15 which, as you may have seen, contains a paper of Lamb, who has independently achieved many of the results arrived at in

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Copenhagen. I thought, therefore, that it might be best to my last paper in the *Physical Review* to add a small addendum like that enclosed and I should be glad if you will kindly see that it is introduced in the proof. ...In Lamb's article I also found various references to experimental investigations of fission fragments which we have overlooked or not yet known in Copenhagen" (Bohr et al., p. 239).

At the conclusion of Bohr's paper, "Velocity-Range Relation for Fission Fragments," he writes, "Note added at proof.—After the present paper was sent from Copenhagen, we received here the issue of *The Physical Review* of October 15, 1940, which contains an article by W. E. Lamb on the passage of uranium fission fragments through matter. In main features the considerations of this article correspond to the arguments developed here and similar results are obtained" (Bohr, p. 275).

☼ Bohr, Niels. "Velocity-Range Relation for Fission Fragments." *The Penetration of Charged Particles Through Matter (1912-1954)*. Amsterdam: Elsevier, 1987. 270-75; Bohr, Niels, Jens Thorsen, and Erik Rüdinger. *The Penetration of Charged Particles Through Matter (1912-1954)*. New York: Elsevier, 1987; Sigmund, Peter. *Stopping of Heavy Ions: A Theoretical Approach*. 24. New York: Springer, 2004.

LAMB, Willis E., Jr. (1913-2008). & **J. ASHKIN**. "The Propagation of Order in Crystal Lattices" [from] *Physical Review*, Vol. 64, Nos. 5 & 6. [Minneapolis: American Physical Society], 1943. Offprint. 8vo. 159-78 pp. Original green wrappers. Fine.

"The Ising model is a well-known model of ferromagnetism in statistical mechanics.... In 1944, L. Onsager produced, quite unexpectedly, an exact evaluation of the partition function of the model in two dimensions. It was a real tour de force" (Yang, p. 11).

Lamb, Arnold Nordsieck, and others were all interested in the Onsager solution. "Out of this interest grew a Ph.D. dissertation by Julius Ashkin at Columbia, which contained an analysis, published by Ashkin and Lamb, of the low-temperature Ising model pair correlation function using the matrix approach" (Hoddeson, p. 533). This paper, "The Propagation of Order in Crystal Lattices," is that analysis.

"The exact solution of the Ising model opened up the possibility of a rigorous formulation of other phase transition problems. While the Ising model was originally constructed to describe a ferromagnet, its physical applicability was extended later to entirely different physical systems.... In contrast to Kramers and Wannier, who in their 1941 paper refer to the 'Ising model of ferromagnetism,' Montroll was immediately concerned with treating mathematically all kinds of 'nearest neighbor systems' including not only ferromagnets but also binary alloys and hindered rotations. Ashkin and Lamb in 1943 likewise thought of binary alloys" (Hoddeson, p. 574).

"Kramers and Wannier showed that there was a non-zero transition temperature for the Ising lattice. Moreover, they and Montroll showed that the partition function could be expressed as the trace of a matrix (the 'transfer matrix').... Using Kramers and Wannier's techniques, as well as ones developed with Mayer for the theory of imperfect gases, Montroll derived series solutions for the partition function for narrow strips of lattice. Again employing Kramers and Wannier's techniques, Ashkin and Lamb derived a series expansion

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for the propagation of order in the lattice, the result that Yang eventually uses to check his exact solution" (Krieger, pp. 99-100).

☼ Hoddeson, Lillian. *Out of the Crystal Maze: Chapters from the History of Solid State Physics*. Oxford: Oxford University Press, 1992; Krieger, Martin H. *Doing Mathematics: Convention, Subject, Calculation, Analogy*. Hackensack, NJ: World Scientific, 2003; Yang, Chen Ning. *Selected Papers, 1945-1980, With Commentary*. Hackensack, NJ: World Scientific, 2005.

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268. **LEÓN-PORTILLA, Miguel; Jorge Gurría LACROIX; Roberto MORENO; Enrique Madero BRACHO.** *La minería en México. Estudios sobre el desarrollo Histórico.* Mexico City: Universidad Nacional Autónoma de México, 1978. FIRST EDITION (3,000 copies). 183 pp. Printed wrappers. Burndy Library bookplate of donor Thomas F. Glick, a professor of history at Boston University. Very good. Scarce. \$ 75
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- PROVENANCE: Lowell Observatory was founded by the author in 1894, making it one of the oldest in the United States. This copy bears the blind-stamp of the Lowell Observatory Library.
- ☼ Strauss, David. *Percival Lowell: The Culture and Science of a Boston Brahmin*. Cambridge, MA: Harvard University Press, 2001.
280. **LOYARTE, Ramón G.; Enrique Herrero DUCLOUX; Nicolás LOZANO; Antonio PAITOVÍ; Guillermo HOXMARK**. *Evolución de las Ciencias en la República Argentina. II: La Evolución de la Física. III: Las Ciencias Químicas. XI: La Higiene Pública y las Obras Sanitarias Argentinas. XIII: La Evolución de la Meteorología*. Buenos Aires: 1923-25. Series: *Cincuentenario de la Sociedad Científica Argentina (1872-1922)* [pts. II, III, XI, XIII]. 4 parts. 8vo. 81, [2] 77, [2]; 33; 30 pp. Pages mostly un-opened (Vols. II-III), 3 tables (2 folding) (Vol. XI) Original green printed wrappers; spine torn (Vol. II), chipped. Very good. \$ 75
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[See image](#) \$ 350

The first appearance of this popular grammar was in 1735, written when the author was rather young. The work discusses, in a question and answer format typical of the period, basic Newtonian physics, astronomy as it was then understood, hydraulic physics, and natural science in general. This was indeed a general overview of the physical world; everything that an 18th century gentleman should know. "Martin is remarkable as one of the great popularizers of science in the mid-eighteenth century. He became known internationally, and supplied Harvard College, Massachusetts, with a large proportion of the new instruments needed after the fire of 1764." [DSB].

Among the interesting plates in this edition, plate XVIII (p. 222) depicts the known world at that time; California is shown as an island separate from the North American continent, the Pacific Ocean is called the Great South Sea, Australia was known as New Holland, and the

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Antarctic land mass was unknown. Plate X in a fine engraving of the Copernican or Solar System, in which Saturn was the furthest known planet at that time. Plate XI shows a detailed topology of the Moon. From the wide variety of subjects, Martin shows microscopical views of plant tissues as well as numerous other biological topics. Plate XIV shows a practical application of hydraulic in the form of a fire pump.

289. **MARTINELLI, Dominique.** “Traite des Horloges Elementaires, ou de la maniere de faire des Horloges avec l’Eau, la Terre, l’Air, & le Feu” [in] Ozanam, *Recreations Mathematiques et Physiques ... Nouvelle edition. Revûe, corrigée & augmentée. Tome troisieme.* Paris: S. Jacques, 1735. 8vo. [2], 482, [12] pp. 16 + 15 engraved plates. Original full calf; very worn, wormed (including two holes at gutter passing through the entire book block). As is. [See image](#) \$ 300
Rare in the first edition. Translated from the Italian, Venice edition of 1663. Martinelli’s curious work offers proposals for clocks based on the four known elements in chemistry: fire, water, air (gas) and earth.
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- Miller was an American chemist and biologist most famous for conducting the Miller-Urey experiment, which demonstrated that organic compounds could rise naturally from inorganic substances, suggesting that life could have formed from non-life through natural processes.
301. **[MILLER, Stanley]**. [Photograph of Miller producing amino acids from primordial soup] [in] “75 Years of Chemical Research: Chemistry Crystallizes into Modern Science” [in] *Chemical & Engineering News*, 75th Anniversary Issue. (Washington, DC): American Chemical Society, 1998. 8vo. 39-109 [article; photograph at p. 60], 224 [entire publication] pp. Original printed wrappers. Fine. \$25
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317. **NEWTON, Isaac.** *Philosophiae Naturalis Principia Mathematica.* London: William Dawson & Sons, [n. d.]. Facsimile reproduction of the first edition (London: Joseph Streater for the Royal Society, 1687). One of 1,000 copies. Large 8vo. [viii], 510 pp. Rust cloth, gilt-stamped spine; spine head slightly torn. Ownership copy of I. Bernard Cohen, with his signature, scattered notes and underlining, and book label. Burndy Library bookplate. Very good.
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several patents, publication of *Studies on Beer* in 1876, and dreams that there would one day be a 'Pasteur beer.' Pasteur characterized the different microorganisms that contaminated beer and proposed methods to keep the yeast pure and to hinder unwanted bacteria. Although French beer never soared to the heights that Pasteur envisioned, some large breweries adopted his techniques. The owner of the Carlsberg brewery in Denmark commissioned a marble bust of Pasteur in honor of his discoveries. His beer book was soon published in English, but Pasteur refused several requests to translate it into German, owing to his hostile feelings resulting from the Franco-Prussian war" (Robbins, pp. 64-65).

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☼ Bickerdyke, John. *The Curiosities of Ale & Beer: An Entertaining History*. London: Field & Tuer, 1886; Robbins, Louise. *Louis Pasteur and the Hidden World of Microbes*. London: Oxford University Press, 2001.

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☼ DSB, X, 422-425; Wasson, *Nobel Prize winners*, 795-798. Enz, "Bibliography Wolfgang Pauli," in *Theoretical physics in the twentieth century*, p. 305; Mehra & Rechenberg, *Historical development of quantum theory*, I, pp. 388-389. S11018

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Thompson was a Senior Research Associate in the Laboratory for Planetary Studies at Cornell University, best known for a series of papers on the organic chemistry of the atmosphere and haze layer of Titan, one of Saturn’s moons.

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Whitaker offers “Schröter ... started up his own ambitious program – to observe and delineate lunar features under all conditions of illumination; to measure the heights and depths of the more important elevations and craters respectively; to look for evidence of a lunar atmosphere or changes on the lunar surface; ... To aid in the drawing, he invented his ‘Projections-Maschine’, a simple contraption of somewhat doubtful efficacy whereby he viewed the image of the Moon’s surface through the eyepiece using one eye, making a drawing on a board fixed to the telescope while using the other eye. A rotatable glass reticle with a grid of small squares was situated in the image place, and the drawing paper was placed on the board, also rotatable. The paper was pre-marked with dots forming half-inch squares. In use, the reticle was rotated until one set of lines paralleled the line between the Moon’s horns, and the board then adjusted in angle and distance until the two grids were congruent – obviously not a very precise operation! Schröter observed the Moon diligently, amassing numerous drawings of various areas of the disc, measuring mountain heights and crater depths from shadow lengths, searching for evidence of changes on the surface or the existence of an atmosphere, etc., so that by the end of 1790, he had enough material to publish in the form of a large volume.” (Whitaker, pp. 99-101).

[**SCHROETER** cont.] Ashworth, William B. Jr., *The Face of the Moon; Galileo to Apollo; An Exhibition of Rare Books and Maps from the Collection of the Linda Hall Library*. no. 14: “The face of the moon is not only furrowed with craters, valleys, and seas, but it is laced with narrow clefts, or rills, and the honor of discovering the first lunar rills lies squarely in the lap of Johann Schröter. Schröter built his own private observatory in Lilienthal and stocked it with the finest telescopes available--including several reflectors made by William Herschel. His *Fragments of Lunar Topography* contains the results of a dozen years of observing ... and more importantly, dozens of engraved views of particular features of the lunar landscape. Especially noteworthy in Schröter’s lunar studies was his practice of studying the same feature under different angles of illumination, by which he was able to get a much better idea of actual lunar topography. He even calculated the altitudes of many lunar mountains.” “The most famous rill discovered by Schröter was later promoted to a valley and named in his honor. Schröter’s Valley lies just northwest of the crater Aristarchus (for two views, see items 29 and 33.) He was also the first to publish a drawing of the renowned Straight Wall, which is depicted here just to the right of the crater Thebit in the lunar highlands. We now know that both the Straight Wall and Schröter’s Valley were sketched a century earlier by Christian Huygens, but his manuscript drawings were not published until 1925.”

Schröter was a lawyer by training, but he came to know two of William Herschel’s brothers and Herschel’s discovery of Uranus in 1781, inspired him to embark on a career as an amateur astronomer. He bought several high-quality telescopes and began making regular observations. He systematically observed Venus, Mars, Jupiter, Saturn, and the Moon. His 1791 publication on the Moon featured 43 copperplate engravings showing the topography. It was a product of hundreds of drawings of lunar mountains and other features, leading to

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the discovery and naming of the lunar rills. *DSB*, vol. XII, p. 226. In 1802 he published a supplement to this present edition, adding another 32 plates (565 pp.). Both books are rare, perhaps partly due to the disruption of the Napoleonic Wars. “The lunar crater Schröter and [SCHROETER cont.] the Martian crater Schroeter are named after him, as is Vallis Schröteri (Schröter’s Valley) on the Moon.” [Wikipedia].

Clifford J. Cunningham wrote the biography and assessment of Schröter’s work for the *Biographical Encyclopedia of Astronomers*; he quotes the author himself, In April 1813, French troops “broke into the observatory ... and with a fury the most unprovoked and irrational[,] destroyed or carried off the most valuable clocks, telescopes, and other astronomical and mathematical instruments.” “Just days before, the only copies of nearly his entire works, deposited in a government office building, were completely burned.” – Cunningham /Hockey.

☀ Ashworth, William B. Jr., *The Face of the Moon; Galileo to Apollo; An Exhibition of Rare Books and Maps from the Collection of the Linda Hall Library*. no. 14; Brown, *Astronomical Atlases* 125; *Encyclopaedia Britannica*, Chisholm, Hugh, ed. “Schröter, Johann Hieronymus,” (11th ed.), Cambridge University Press, 1911; Thomas Hockey (ed.), *Biographical Encyclopedia of Astronomers*, II, pp. 1030-1031; Poggendorff II, 846; Duane Roller & Marcia M. Goodman, *The Catalogue of the History of Science Collections of the University of Oklahoma Libraries*, vol. II, 414; Ewen A. Whitaker, *Mapping and Naming the Moon*, (1999), pp. 98-101.

See: Denning, W.F., “Schroter and the Burning of Lilienthal in 1813.” *Observatory* 27, (1904), p. 313.

407. **SCOTUS, John Duns.** *God and Creatures: The Quodlibetal Questions. Translated with an introduction, notes, and glossary by Felix Alluntis and Allan B. Wolter.* Washington, D.C.: Catholic University of America Press, (1975). 8vo. xxxiv, 548 pp. Printed wrappers. Ownership signature. Fine. Scarce. ISBN: 0813205573 \$ 55
408. **SENET-JOSA, Joan.** *Miseria y Dependencia Científica en España.* Barcelona: Laia, (1977). 8vo. 251, [4] pp. Original printed wrappers. Book label, Burndy Library bookplate. Very good. \$ 8
409. **SHARP, D. E.** *Franciscan Philosophy at Oxford in the Thirteenth Century.* New York: Russell & Russell, 1964. Reprint. 8vo. viii, 419 pp. Black cloth, gilt-stamped spine title. Ownership signature. Very good. \$ 30

“The Transistor was probably the most important invention of the 20th Century...” -Ira Flatow
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410. **SHOCKLEY, William. [and BARDEEN].** “The Theory of p-n Junctions in Semiconductors and p-n Junction Transistors. Et al.” Also within this issue: (1) John Bardeen, “On the Theory of the A-C. Impedance of a Contact Rectifier. (2) Shockley, G.L. Pearson, & J.R. Haynes, “Hole Injection in Germanium – Quantitative Studies and Filamentary Transistors.” New York: American Telephone and Telegraph Company, 1949. In Bell System Technical Journal 28, no. 3, July 1949. Vol. XXVIII. 8vo. pp. 335-600. Numerous diagrams, 2 folding tables. Original printed wrappers; minor soiling. Very good copy.

[See image](#) \$ 1,000

FIRST PRINTING IN ORIGINAL WRAPPERS of the landmark journal, being the famous July 1949 “Semiconductor Issue” dedicated entirely to the discuss of the transistor and semiconductor devices. This is the key issue with both Shockley and Bardeen’s separate papers explaining the theory of transistors and the other authors dealing with its exploitation. Earlier, in April 1949, quarterly part no. 2, was issued simultaneously with an issue of *The Physical Review* containing additional material, but the more important issue is the present one, offered here in original printed wrappers.

“In the 1930s, Bell Labs scientists were trying to use ultrahigh frequency waves for telephone communications, and needed a more reliable detection method than the vacuum tube, which proved incapable of picking up rapid vibrations... John Bardeen, Walter Brattain and William Shockley spearheaded the Bell Labs effort to develop a new means of amplification,” developing, by 1948, a novel device that would effectively amplify and control electric signals. “At roughly half an inch high, the first transistor was huge by today’s standards, when 7 million transistors can fit onto a single silicon chip. But it was the very first solid state device capable of doing the amplification work of a vacuum tube, earning Bardeen, Brattain and Shockley the Nobel Prize in Physics in 1956. More significantly, it spawned an entire industry and ushered in the Information Age, revolutionizing global society” (The American Physical Society).

The 1956 Nobel Prize in Physics was awarded jointly to William Shockley, John Bardeen and Walter Brattain “for their researches on semiconductors and their discovery of the transistor effect”.

William Shockley died in 1989 of prostate cancer. By the time of his death he was almost completely estranged from most of his friends and family, except his wife. His children are reported to have learned of his death only through the print media. A group of about 30 colleagues, who have met on and off since 1956, met at Stanford in 2002 to reminisce about their time with Shockley and his central role in sparking the information technology revolution, its organizer saying “Shockley is the man who brought silicon to Silicon Valley.”

411. **SIGÜENZA Y GÓNGORA, Carlos de.** *Libra Astronómica y Filosófica. Presentación de José Gaos. Edición de Bernabé Navarro.* Mexico City: Universidad Nacional Autónoma de México, 1984. 3,000 copies. 8vo. xxxiv, 251 pp. Diagrams, index. Printed wrappers; covers smudged, rear cover price sticker. Burndy Library bookplate. Very good. ISBN: 96883711157

\$ 20

Contains a modern printing of the author’s astronomical text of 1690. “Carlos de Sigüenza y Góngora (1645–1700) was one of the first great intellectuals born in the Spanish viceroyalty

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of New Spain. A polymath and writer, he held many colonial government and academic positions....In 1681 Sigüenza wrote the book “Philosophical Manifest Against the Comets” in which he tried to dismiss fears of impending superstitious predictions based from astrology; in the work he takes steps to separate the fields of astrology and astronomy. The jesuit Eusebio Kino strongly criticized the texts written by Sigüenza because they were contradicting to established Catholic beliefs in the heavens. Sigüenza often cited authors like Copernicus, Galileo, Descartes, Kepler, and Brahe. In 1690 Sigüenza took an audacious move to defend his previous work by publishing ‘*Libra Astronómica y Filosófica*’ (*Wikipedia*).

412. **SIMPLICIUS; KONSTAN, David [trans.].** *Simplicius on Aristotle’s Physics 6. Translated by David Konstan.* Ithaca, NY: Cornell University Press, (1989). 8vo. 181 pp. Dark green cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 0801422388 \$ 15

413. **SIMONS, Lao Geneva.** *Bibliography of Early American Textbooks on Algebra: Published in the Colonies and the United States through 1850, together with a Characterization of the First Edition of Each Work.* New York: Scripta Mathematica, Yeshiva College, 1936. Series: *Scripta Mathematica Studies*, No. 1. 8vo. 68 pp. Small title illus., indexes. Navy cloth, gilt-stamped cover and spine titles. Burndy Library bookplate. Near fine. BL2256 \$ 65

Preferred Issue on Thicker Paper

414. **SINGER, Charles; E. J. HOLMYARD; A. R. HALL [eds.].** *A History of Technology. Vol. I: Fro Early Times to Fall of Ancient Empires. Vol. II: The Mediterranean Civilization and the Middle Ages. Vol. III: From the Renaissance to the Industrial Revolution c. 1500-c. 1750. Vol. IV: The Industrial Revolution c. 1750-c. 1850. Vol. V: The Late Nineteenth Century c. 1850-c. 1900.* Oxford: Clarendon Press, (1958). Reprinted lithographically from sheets of the third impression. 5 volumes. Thick 8vo. xlix, 827; liv, 802; xxxvii, 766; xxxiii, 728; xxxviii, 888 pp. Indices, maps, tables, illustrations, color frontispieces, 36; 44; 32; 48; 44 plates. Pastedowns and free end-leaves foxed, else text and plates clean. Navy blue cloth, gilt-stamped spines, dust-jackets; jackets torn and foxed. Vol. V with slip reading “Spare copy returned by Lord McGowan. With the Compliments of Imperial Chemical Industries Limited” laid-in. Very good in good jackets.

[See image](#) \$ 185

Preferred issue (thicker paper stock). “By the 1950s, a new conflict was growing between capitalism and communism, which would be fought as much through technology and economic as through military might. Charles Singer, a prominent British historian of science and medicine, was commissioned to prepare *A History of Technology* for Oxford University Press (with the help of an endowment from Imperial Chemical Industries) in the late 1940s.... Singer’s emphasis of a ‘gradual easing’ of human conditions by means of technology differs from the inevitable revolutions associated with Marxism. Nevertheless, [Gordon] Childe still employed revolutionary vocabulary in his contributions to Singer’s first volume—at a time when an avowed Marxist would have lost his job in the United States” (Oleson, p. 72).

☼ Oleson, John Peter. *Handbook of Engineering and Technology in the Classical World.* Oxford: Oxford University Press, 2008.

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415. **SINGER, Charles; E. J. HOLMYARD; A. R. HALL [eds.]**. *A History of Technology. Vol. I: Fro Early Times to Fall of Ancient Empires. Vol. II: The Mediterranean Civilization and the Middle Ages. Vol. III: From the Renaissance to the Industrial Revolution c. 1500-c. 1750. Vol. IV: The Industrial Revolution c. 1750-c. 1850.* London: Oxford University Press, 1954-58. 4 volumes only (nos. I-IV of V). Reprints. Large 8vo. (thin paper issue). xlix, 827; lvii, 802; xxxvii, 766; xxxii, 728 pp. Indices, maps, tables, illustrations, color frontispieces, 36; 44; 32; 48 plates. Navy blue cloth, gilt-stamped spines, dust-jackets; jackets slightly torn especially at spine ends, spines faded. Bookplates, ownership signatures of David C. Lindberg. Near fine in very good jackets. \$ 75
416. **SMITH, Pamela H.** *The Business of Alchemy: Science and Culture in the Holy Roman Empire.* Princeton, NJ: Princeton University Press, (1997). 8vo. ix, 308 pp. Printed wrappers. Ownership signature on title-page. Fine. ISBN: 0691015996 \$ 12
417. **SMITH, Robert C. & John LOUNIBOS [eds.]**. *Pagan and Christian Anxiety: A Response to E. R. Dodds.* Lanham, New York & London: University Press of America, (1984). 8vo. viii, 239 pp. Printed wrappers. Ownership signature on title-page. Fine. Scarce. ISBN: 081913824X \$ 30
418. **SMITH, Wesley D.** *The Hippocratic Tradition.* Ithaca, NY & London: Cornell University Press, (1979). 8vo. 264 pp. Brown cloth, black-stamped spine title, dust jacket. Ownership signature. Fine. RARE. ISBN: 0801412099 \$ 95
419. **[Solvay Conference] Institute International de Chimie Solvay.** *Rapports et discussions sur des questions d'actualité....* Paris: Gauthier-Villars et Cie, 1928. At head of title: *Institut International de Chimie Solvay, Troisième Conseil de Chimie, tenu a Bruxelles du 12 au 18 Avril 1928.* 8vo. xv, [1 blank], 562 pp. Figs., tables. Modern navy buckram, gilt spine. Fine. RARE. \$ 100
FIRST EDITION, with contributions by Nevil Vincent Sidgwick (1873-1952) and Georges Urbain (1872-1938). The extremely important 1927 "Electrons and Photons" Solvay Conference was attended by Niel Bohr, Max Born, W.L. Bragg, Léon Brillouin, A.H. Compton, Marie Curie, Louis de Broglie, P. Debye, P.A.M. Dirac, Th. De Donder, P. Ehrenfest, A. Einstein, R.H. Fowler, Ch. E. Guye, W. Heisenberg, E. Henriot, Ed. Herzen, M. Knudsen, H.A. Kramers, P. Langevin, I. Langmuir, H.A. Lorentz, W. Pauli, A. Piccard, Max Planck, O.W. Richardson, E. Schrödinger, E. Verschaffelt, C.T.R. Wilson. S6952
420. **SONNESCHMID, Federico.** *Tratado de la Amalgamacion de Nueva España. Sacado a luz por D. J. M. F.* Mexico City: Sociedad de Exalumnos de la Facultad de Ingeniería, UNAM, 1983. Series: *Fuentes para la Historia de la Ingeniería Mexicana*, 2. Facsimile of 1825 edition (Mexico City: Libreria de Bossange (Padre)). 1,600 copies printed. 8vo. xxv; x, [2], 160 pp. 8 plates, index. Red folding printed wrappers; publisher's lamination peeling lower front cover. Burndy Library donation bookplate of Thomas F. Glick, a professor of history at Boston University. Very good. RARE. \$ 25

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421. **[SORANUS] Owsei TEMKIN.** *Soranus' Gynecology. Translated with an introduction, with the assistance of Nicholson J. Eastman and Alan F. Guttmacher.* Baltimore & London: Johns Hopkins University Press, (1991). xlix, 258 pp. Printed wrappers. Ownership signature on half-title. Fine. ISBN: 0801843200 \$ 15
422. **SOUTER, Alexander [comp.].** *A Glossary of Later Latin to 600 A.D.* Oxford: Clarendon Press, (1957). Reprint. 8vo. xxix, 454 pp. Black cloth, gilt-stamped spine title; inner hinge mended. Ownership signatures. Very good. \$ 45
423. **SPENCER, Herbert.** *First Principles.* New York: D. Appleton & Co., 1885. 8vo. xx, 592 pp. Original plum cloth, gilt-stamped spine title; headcap worn. Ownership inscription . Good. \$ 10
424. **STAHL, William Harris.** *Martianus Capella and the Seven Liberal Arts. Vol. I: The Quadrivium of Martianus Capella: Latin Traditions in the Mathematical Sciences 50 B.C. – A.D. 1250. Vol. II: The Marriage of Philology and Mercury. Translated by William Harris Stahl and Richard Johnson with E. L. Burge.* New York: Columbia University Press, 1971-1977. 2 volumes. 8vo. xiv, 274; 389 pp. Olive cloth, gilt-stamped spine titles. Fine. ISBN: 0231032544 ISBN: 0231037198 \$ 75
425. **[STARKEY, George] William R. NEWMAN.** *Gebennical Fire: The Lives of George Starkey, an American alchemist in the Scientific Revolution.* Cambridge, MA & London: Harvard University Press, 1994. 8vo. xiv, 348 pp. Navy cloth, gilt-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 0674341716 \$ 27

FIRST AMERICAN HERBAL

Copy from the Family of Jacob Bigelow, the Eminent American Botanist

426. **STEARNS, Samuel** (1741 or 1747-1819). *The American herbal, or materia medica.* Walpole: David Carlisle for Thomas & Thomas, and the author, 1801. 12mo. 172 x 100 mm. 360 pp. Full modern calf, gilt spine rules, red gilt-stamps spine label, 19th century style. Some browning as might be expected, small stamp on title verso. Early ownership signatures of A.E. Bigelow, MD (1893), J. Henry Jackson (1870), and Fred K. Jackson, (1903). Very good copy. Rare.

\$ 3,500

FIRST EDITION. The first herbal compiled, written and printed in the United States. Stearns estimated that he traveled 11,607 land miles and 11,578 water miles in pursuit of information. "A large number of new medical discoveries and improvements collected from information given by the Indians, and by other Nations" (preface) are contained in the *Herbal*, which includes both North and South American samples. Stearns's remedies sometimes strayed beyond the boundaries of herbal medicine; for instance, he devoted an entry to bears, in which he described the uses of their flesh, oil and grease, and warned his readers that "they often do much damage by killing sheep, destroying corn, and sometimes the human species." The *Herbal* was issued by subscription and includes a twelve-page list of subscribers.

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Garrison-Morton 1838.2: "The first herbal both produced and printed in the United States, as opposed to those which were reprints of European works. Includes information on American Indian remedies." This work was of great use to the early residents of New England as it described the herbs used for medicine and home remedies that could be grown locally. In 1747 Stearns was born in Bolton, Massachusetts; he became a physician who practiced medicine in Worcester, Massachusetts, then in New York, and finally in Brattleborough, Vermont.

Stearns was born in Bolton, Massachusetts, in 1747. He was a physician and astronomer, practicing his profession in Worcester, Massachusetts, and later in New York, and finally settling in Brattleborough, Vermont. "In 1801, at the threshold of the nineteenth century, Stearns wrote *The American Herbal*, which told of the herbs used for medicine. From the 17th to the 19th centuries, the colonial housewives had to supervise or do their own growing and harvesting of herbs. Living in a wilderness separated from any near-by source of supply, they were forced to provide as liberally as they could for food and medicine during the coming year" (Fox p.50).

PROVENANCE: Signatures of A. E. Bigelow (Barre, VT 1844-73), J. Henry Jackson (Barre, 1870) and Fred K. Jackson (Burlington, VT 1903). These three signatures establish a familial link with the prominent herbalist Jacob Bigelow.

"Dr. A. E. Bigelow, a practicing physician of South Barre (born in Brookfield, VT), moved into Barre village and opened the first drug store there in 1850, located north of Reynolds' hardware store in the Mower building. He continued in business for ten years" (Blakeley, p. 464). ¶ Dr. John Henry Jackson (1844-1907) was a professor of physiology at the University of Vermont, and held a prominent practice in Barre. He represented the city as a Democrat in the Vermont legislature in 1878, was a candidate for governor in 1896, and served as mayor of Barre in 1903. ¶ Jackson's son, Fred Kinney Jackson (1874-?), practiced medicine in Burlington and was adjunct professor of physiology at the University of Vermont for ten years, before becoming a full professor, taking over the chair his father had filled for twenty-five years.

☼ Austin 1818; Blakeley, Collins. "Some of the Early Drug Stores in Vermont." *Journal of the American Pharmaceutical Association*. 2.4 (1913): 464-73; Helen Morgenthau Fox, *Gardening with herbs for flavor and fragrance*, 1970, p. 50; Garrison & Morton 1838.2; Howes S911; Jackson, John. *A Branch of the Jackson and Correlated Families, 1730-1911*. New York: Bartlett-Orr Press, 1911; Norman 2008; Sabin 90959. Stearns is not referenced in Packard, *DAB*.

See: G.B. Howe, *Genealogy of the Bigelow Family of America*, 1890.

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428. **[STENO, Nicolas (1638-1686)] Pontificia Academia Scientiarum.** *Blessed Niels Stensen and His Memorial Plaque in the Pontifical Academy of Sciences.* Vatican City: Ex Aedibus Academicis in Civitate Vaticana, 1989. Small 8vo. 43 pp. Frontispiece, 3 figures. Original illustrated printed wrappers. SCARCE. Fine. ISBN: 8877610352 \$ 20
Nicolas Steno was a Danish Catholic bishop and pioneer in anatomy and geology.
429. **STEVENSON, D. Alan.** *The World's Lighthouses before 1820.* London, New York, Toronto: Oxford University Press, 1959. FIRST EDITION. Large 8vo. xxiv, 310 pp. Illustrations, indexes. Green cloth, gilt-stamped cover emblem and spine title, dust-jacket; inner hinges beginning to crack. Burndy bookplate. Very good. BL2325 \$ 65
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431. **STIEFEL, Tina.** *The Twelfth Century Looks at Science; a Prevision of the Scientific Revolution.* Ann Arbor: University Microfilms International, 1986. Microfilm reprint. 8vo. 154 ff. Blue buckram. Fine. \$ 35
432. **STIGLIOLA, Nicola Antonio & Saverio RICCI.** *Nicola Antonio Stigliola: Enciclopedista e Linceo. Con l'edizione del trattato Delle Apparenze Celesti a cura e con un saggio di Andrea Cuna.* Rome: (Azienda Grafica dott. G. Bardi S.r.l., 1996). Series: *Memorie Classe di Scienze Morali, Storiche e Filologiche*, Serie IX, Vol. VIII, Fascicolo 1. *Atti della Accademia Nazionale dei Lincei*, Anno CCCXCIII. 8vo. 147 pp. Original printed wrappers; rear cover rubber stamp. Burndy Library bookplate. Near fine. \$ 7

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433. **STRASSER, Gerhard F.** *Lingua Universalis: Kryptologie und Theorie der Universalsprachen im 16. und 17. Jahrhundert.* Wiesbaden: O. Harrassowitz, 1988. Series: *Wolfenbütteleer Forschungen*, Band 38. 8vo. 291 pp. Illustrations, index. Printed wrappers. Burndy bookplate. Fine. BL2327 \$ 95
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436. **TAIT, Peter Guthrie** (1831-1901). *Traité Élémentaire des Quaternions ... Traduit sur la Seconde Édition Anglaise avec Additions de l'Auteur et Notes de Traducteur par Gustave Plarr*. Paris: Gauthier-Villars, 1882, 1884. Two volumes. 8vo. xxvi, 306; x, 312 pp. Figs. Quarter maroon calf, gilt spines, raised bands, maroon cloth boards; spine ends lightly rubbed, minor faded stains to covers. Small early rubber stamps (1 on each title). Pencil ownership signatures. A FINE SET. FIRST EDITION IN FRENCH of this important mathematical work. \$ 200
437. **TAYLOR, E.G.R.** *The Mathematical Practitioners of Tudor & Stuart England*. Cambridge: Institute of Navigation at the University Press, 1954. FIRST EDITION. 8vo. xi, 442, (443) pp. 12 plates (including frontis.), fold-out map and facsimile page of John Dee's mathematical preface to Euclid, index. Red cloth, gilt-stamped black spine label, dust-jacket. Burndy Library bookplate. Very good. BL2001 \$ 165

Voyage & Navigation Library of Henry C. Taylor

438. [**TAYLOR, Henry C.**]. [Bound volume of bibliographic descriptions and bookseller correspondence relating to the Beinecke Library, Yale University, Henry C. Taylor Collection]. [No location given: n. d., ca. 1970]. 4to. [444] ff. Rust cloth, gilt-stamped spine. Burndy Library bookplate. Near fine.

[See image a](#) [See image b](#) \$ 100

Identified in pencil as "Vol. II," this work consists of a collection of photocopied documents relating to the Taylor Collection at the Yale University Beinecke Library. It contains descriptions of individual items as well as correspondence with booksellers and occasional copies of title-pages, plates, or relevant material.

The Henry C. Taylor collection is a "set of 410 books, maps, and manuscripts acquired between 1938 and 1970 by Henry C. Taylor: 'man of business, sportsman, war-time officer in the US Navy.' Henry Taylor took his inspiration and direction as a collector from a list of books recommended in *A Seaman's Grammar*, by Captain John Smith (1579-1632), as 'important furnishings of the master's cabin in a well-found ship.' The Taylor Collection, consequently, has two main branches: technical material on navigation, and books by or about 'the men who discovered and explored America'" (Birkholz, p. 31).

John C. Kebabian wrote a catalog of the Taylor Collection (*The Henry C. Taylor Collection*. New Haven: Yale University Library, 1971), containing all 410 entries, with a foreword by Lawrence C. Wroth. We surmise that it is likely that our volume consists of research material used by Kebabian to assist him with the compilation of this catalog.

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☼ Birkholz, Daniel. "The Vernacular Map: Re-Charting English Literary History." *New Medieval Literatures*, Vol. IV. Ed. David Lawton, Ed. Rita Copeland and Ed. Wendy Scase. Oxford: Oxford University Press, 2003. 11-77.

439. **TEICH, Mikulas, Roy PORTER & Bo GUSTAFSSON [eds.]**. *Nature and Society in Historical Context*. Cambridge: Cambridge University Press, (1997). FIRST EDITION. 8vo. xv, 404 pp. 8 illustrations, index. Brown cloth, silver stamped spine title, dust-jacket. Bookplate of the Burndy Library. Fine. BL2527 \$ 50
440. **TESLA, Nikola**. *Nikola Tesla: Colorado Springs Notes, 1899-1900. Scientific commentaries by Aleksandar Marinčić*. Beograd, Yugoslavia: Nolit, 1978. 4to. 436, [1] pp. Gilt-stamped leatherette; bottom corners bumped. Very good. \$ 20
441. **[TESLA, Nikola] Lisa J. ALDRICH**. *Nikola Tesla and the Taming of Electricity*. Greensboro, NC: Morgan Reynolds, (2005). 8vo. 160 pp. Photographs, bibliography, index. Illustrated paper-backed boards. Near fine. ISBN: 193179846X \$ 20
442. **[TESLA, Nikola] Norma BRODY**. *LEGACY: The Story of Nikola Tesla*. North Charleston, SC: BookSurge, (2008). FIRST PRINTING. 8vo. 81 pp. Original printed wrappers. SIGNED by author in ink at title-page. Mint. ISBN: 9781419687259 \$ 10
443. **[TESLA, Nikola] Marc J. SEIFER**. *Wizard: The Life and Times of Nikola Tesla. Biography of a Genius*. (Secaucus, NJ): Carol Publishing Group, (1996). 8vo. xiv, 542 pp. Bibliography, index. Black paper-backed boards, dust-jacket. SIGNED AND INSCRIBED in ink by author to Norma Brody at half-title. Near fine in very good jacket. ISBN: 1559723297 \$ 20

Norma Brody is the author of another book on Tesla, *LEGACY: The Story of Nikola Tesla*, 2008.

444. **TESTER, S. Jim**. *A History of Western Astrology*. (Wolfeboro, NH): Boydell Press, (1987). 8vo. viii, 256 pp. Mustard cloth, silver-stamped spine title, dust jacket. Ownership signature. Fine. ISBN: 0851164468 \$ 30
445. **THACKRAY, John C**. *A Guide to the Official Archives of the Natural History Museum, London*. London: Society for the History of Natural History on behalf of the Natural History Museum, (1998). 8vo. xix, 174 pp. Photos, index. Green cloth, gilt-stamped cover and spine titles. Burndy bookplate. Fine. BL2329 \$ 50
446. **THOMSON, Joseph**. "The Electron" [in] *Handbook to the Exhibition of Pure Science, Arranged by the Royal Society. Galleries 3 and 4, British Government Pavilion*. [London]: Royal Society, 1924. 8vo. 13-16 [article], 228 [entire publication] pp. Printed wrappers; spine torn, extremities worn. Front cover smudged and with rubber stamp, Burndy Library bookplate. Very good. Scarce. \$ 35

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Woodward, and "Insect Mimicry and the Darwinian Theory of Natural Selection" by E. B. Poulton, etc.

447. **THORNE, Robert [ed.]**. *Structural Iron and Steel, 1850-1900*. Aldershot, et al.: Ashgate/Variorum, (2000). Series: *Studies in the History of Civil Engineering*, Vol. 10. 8vo. xxxi, 378 pp. Photos, illustrations, indexes. Red cloth, gilt-stamped cover and spine titles. Burndy bookplate. Fine. BL2192 \$ 190
448. **THORNDIKE, Lynn [ed.]**. *Latin Treatises on Comets Between 1238 and 1368 A.D.* (Chicago): University of Chicago Press, (1950). 8vo. ix, 274 pp. Red cloth, gilt-stamped spine title. Ownership signature. Fine. \$ 20
449. **THORNDIKE, Lynn**. *Science and Thought in the Fifteenth Century: Studies in the History of Medicine and Surgery, Natural and Mathematical Science, Philosophy and Politics*. New York: Columbia University Press, 1929. 8vo. xii, 387 pp. Tan cloth, black-stamped cover and spine titles. Ownership signature. Fine. \$ 10
450. **TOURNEFORT, Joseph Pitton de** (1656-1708). "Extrait d'Une Lettre de M. Sarrasin. Médecin du Roy en Canada, Tonchant l'Anatomie du Castor, lûe à l'Académie." In: *Histoire de l'Académie Royale des Sciences année MDCCIV*. Paris: Gabriel Martin, et al, 1745. 4to. (Article): 48-66 pp. (Whole volume): [8], 136, 373, [3] pp. 136 pages of historical perspective, engraved title vignette, engraved head & tail pieces, 19 engraved folding plates, various articles, index; minor creasing to corners (text unaffected). Original full calf, gilt spine, raised bands; generally rubbed, corners showing, spine joints splitting (binding still tight). Early ink ownership signature on title. Very good. Very rare. \$ 400
- First edition. Early work on the beaver from Canada by the noted botanist & natural historian. Tournefort was a highly skilled observer of the natural world and his lasting success was "the creation of the concept of the genus in the modern sense and its first skillful application." *DSB XIII*, p. 443. Many of his genera are still in use and this analysis of the Beaver by Sarrasin, with commentary from Tournefort, is a good example of his technique as a natural historian. This volume of memoirs also includes several reports of astronomical observation by Cassini, Maraldi, and De la Hire and several engraved folding plates of astronomical phenomena. *DSB XIII*. S7600
451. **TYNDALL, John**. *On the Scientific Use of the Imagination. A Discourse Delivered Before the British Association at Liverpool on Friday Evening, 16th September 1870*. London: Longman, Green, 1870. 8vo. 42 pp. Original brown printed wrappers; small tears, spine mostly missing. Very good. Scarce. \$ 25
452. **U.S. Navy Department**. *Dictionary of American Naval Fighting Ships*.. Washington: Navy Department Naval Historical Center, 1959-1981. 8 volumes. Large 8vo. Photographs (including frontis. in Vols. III-VIII). Maroon cloth, gilt-stamped cover and spine titles. Burndy bookplates. Near fine. \$ 350

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A major work, containing every known American warship in alphabetical order with a history of each and appendices of categories, such as Confederate ships, special ships, submarine chasers, tank landing ships, ships of the line, aviation auxiliaries, etc. BL2331

453. **Universitat de Barcelona.** *Subayl: Journal for the History of the Exact and Natural Sciences in Islamic Civilisation, Vol. 3.* Barcelona: Publicacions I Edicions, 2002-2003. 8vo. 259 pp. Printed wrappers. Fine. \$ 20
Includes David A. King's "An Astrolabe from 14th-century Christian Spain with inscriptions in Latin, Hebrew and Arabic."
454. **Universitat de Barcelona.** *Subayl: Journal for the History of the Exact and Natural Sciences in Islamic Civilisation, Vol. 4.* Barcelona: Publicacions I Edicions, 2004. 8vo. 424 pp. Printed wrappers. Fine. \$ 20
455. **Universitat de Barcelona.** *Subayl. Journal for the History of the Exact and Natural Sciences in Islamic Civilisation, Vol. 5.* Barcelona: Publicacions I Edicions, 2005. 8vo. 269, 104 pp. Printed wrappers. Fine. \$ 20
456. **Universitat de Barcelona.** *Subayl: Journal for the History of the Exact and Natural Sciences in Islamic Civilisation, Vol. 8.* Barcelona: Publicacions I Edicions, 2008. 8vo. 286 pp. Printed wrappers. Fine. \$ 20
457. **U.S. Navy.** *Tables to Facilitate the Reduction of Places of the Fixed Stars. Prepared for the Use of the American Ephemeris and Nautical Almanac.* [Washington, DC]: Bureau of Navigation, Navy Department, 1873. Second edition. 8vo. [6], xxxviii, 262 pp. 36 tables; offsetting to pastedowns and free end-leaves. Half black calf over marbled paper-backed boards, gilt-stamped spine; extremities worn, spinal library label. Carnegie Institution of Washington Mount Wilson Observatory blind-stamp and ink number (paper label on spine). SCARCE. Very good. \$ 40
458. **VALENTINER, Karl Wilhelm** (1845-1931) [ed.]. *Handwörterbuch der Astronomie Unter Mitwirkung.* Wroclaw: Eduard Trewendt, 1897-1902. 4 vols. in 5 books [I, II, III.1, III.2, IV]. 8vo. xiv, 839; ix, 644; x, 496; xi, 611; ix, 432 pp. Numerous illustrations, 11 plates; end-leaves occasionally faintly foxed. Beautiful modern half gilt-stamped black morocco over blue pebbled cloth; a few corners gently rubbed, Vol. IV front cover slightly smudged. Near fine. [See image a](#) [See image b](#) \$ 1500
SPECTACULAR SET of Valentiner's comprehensive cyclopedia of astronomy. Valentiner was director of the Karlsruhe Observatory and a professor of astronomy at the University of Heidelberg.
459. **VALERA, M. & C. LÓPEZ FERNÁNDEZ** [eds.]. *Actas del V Congreso de la Sociedad Española de Historia de las Ciencias y de las Técnicas. Tomo I: Conferencias, Ciencia y Técnica en la Región de Murcia. Tomo II: Ciencia y Técnica en la España Contemporánea. Tomo III: La Revolución Francesa y Su Influencia en la Actividad Científica, Comunicaciones Libres, Mesa Redonda.* (Murcia, Spain: Sociedad Española de Historia de las Ciencias y de las Técnicas, 1991). 3 volumes.

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460. **VAN LEEUWENHOEK, Anthony.** *Anthony van Leeuwenhoek and His "Little Animals." Being Some Account of the Father of Protozoology and Bacteriology and His Multifarious Discoveries in These Disciplines. Collected, translated, and edited from his printed works, unpublished manuscripts and contemporary records by Clifford Dobell.* New York: Dover, (1960). Series: *Dover Books on the Biological Sciences*. 8vo. vii, 435, [ads 15] pp. Frontispiece, 31 plates, bibliography, index. Printed wrappers; extremities rubbed, plastic coating coming away from rear cover. Very good. ISBN: 0486605949 \$ 5

461. **[VELÁZQUEZ DE LEÓN, Joaquín] Roberto MORENO.** *Joaquín Velázquez de León y Sus Trabajos Científicos Sobre el Valle de México, 1773-1775.* Mexico City: Universidad Nacional Autónoma de México, 1977. FIRST EDITION; 3,000 copies. Series: *Universidad Nacional Autónoma de México Instituto de Investigaciones Históricas Serie de Historia Novohispana*, 25. 8vo. 407 pp. Illus., 6 large folding maps, index, bibliography. Original pictorial printed wrappers. SIGNED AND INSCRIBED in ink from Moreno to Thomas F. Glick, a professor of history at Boston University. Burndy Library bookplate. SCARCE. Very good.

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Velázquez de León was a Spanish conquistador who fought with Cortés against the Aztecs in the third Spanish expedition to what is now Mexico. He was instrumental in Cortés' victory over rival Spanish conqueror Pánfilo de Narváez, whose commanders he bribed to defect. He was killed in a battle with the Aztec in 1520.

462. **VESCOVINI, Graziella Federici.** *Studi sulla prospettiva medievale.* Torino: G. Giappichelli, 1965. Series: *Universita di Torino Pubblicazioni della Facolta di Lettere e Filosofia, Volume XVI, Fascicolo I*. 8vo. 286 pp. Printed wrappers. Ownership signature. Very good. RARE. \$ 50

463. **[VOLTAIRE] Jean Sylvain BAILLY.** *Lettres sur l'Origine des Sciences, et sur Celle des Peuples de l'Asie; Adressées à M. de Voltaire par M. Bailly, & précédées de quelques Lettres de M. de Voltaire à l'Auteur.* London & Paris: M. Elmesly, Chez De Brure l'aîné, 1777. 8vo. [iv], 348 pp. Ink notation ["7488"] to foot of title-page, text gently toned. Contemporary mottled calf, gilt-stamped spine and leather spine label; extremities worn, joints cracked, spine ends worn away (spine darkened). Early bookplate of William Short, unobtrusive rubber stamp of Transylvania Library. Very good.

[See Image](#) \$ 150

FIRST EDITION of Bailly's attempt to elevate his academic position through the publication of correspondence with Voltaire.

Bailly, a French astronomer, turned from research to historical study and wrote a strange treatment of antiquity that surmised that the remaining fragments of the ancients' knowledge of the stars were not merely the seeds of modern science, but rather the remnants of a pristine society's perfect knowledge that had been lost after the race apparently collapsed into barbarism.

"Bailly went on to compose discursive writings on the supposed origins of this astronomy in India and of all knowledge in the lost continent of Atlantis. Voltaire having been incautious enough to acknowledge the gift of the first volume appreciatively, Bailly inflicted these

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further speculations on him in the form of a public correspondence that the sick old man lacked the strength to ignore. Bailly's main ambition was to be the first triple academician since Fontenelle" (Gillispie, p. 12).

PROVENANCE: William Short (1759-1849) was Thomas Jefferson's private secretary when Jefferson was ambassador to Paris, and was once referred to by Jefferson as his "adoptive son."

☼ Gillispie, Charles Coulston. *Science and Polity in France: The End of the Old Regime*. Princeton, NJ: Princeton University Press, 2004.

464. **WAGNER, Robert Philip** (1918-2004). [31 offprints on the *Neurospora crassa* by noted geneticist Robert P. Wagner]. [Various locations: various publishers,] 1948-59. Rare. Ownership inked signature and/or rubber stamps of renowned geneticist Norman Harold Horowitz. Very good.

[See image](#) \$ 450

31 separate and rare offprints from noted geneticist Robert P. Wagner of the University of Texas at Austin. Wagner was brought into Texas' renowned center for genetics by J.T. Patterson, who served as his mentor. The majority of the papers concern his important research and experimentation with *Neurospora crassa*, a model organism in biochemical genetics. Wagner is the co-author of four books, the first of which, *Genetics and Metabolism* (1955), was the "first major synthesis and summary of the emerging field of biochemical genetics and was an important influence worldwide, being translated into several languages and used extensively as a textbook" ("In memoriam, Robert Wagner" available at the UT Austin web-page).

[**WAGNER** cont.] The papers included in this collection are:

[1] **WAGNER & Beverly M. GUIRARD**. "A Gene-Controlled Reaction in *Neurospora* Involving the Synthesis on Pantothenic Acid." Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 34, No. 8, pp. 398-402, August 1948. 8vo. (255 x 173 mm). 5 pp. Tables. Printed wrappers; small stain on front cover.

[2] **WAGNER**. "The In Vitro Synthesis of Pantothenic Acid by Pantothenicless and Wild Type *Neurospora*." Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 35, No. 4, pp. 185-189, April 1949. 8vo. (255 x 175 mm). 5 pp. Figs., tables. Self-wraps; top edge a little frayed.

[3] **WAGNER**. "The Effect of Irradiated Medium, Cyanide and Peroxide on the Mutation Rate in *Neurospora*." Offprint from: *Genetics*, Vol. 35, pp. 237-248, March 1950. 8vo. (242 x 170 mm). 12 pp. Figs., tables. Self-wraps.

[4] **WAGNER & C.H. HADDOX**. "A Further Analysis of the Pantothenicless Mutants of *Neurospora*." Offprint from: *The American Naturalist*, Vol. LXXXV, No. 824, September-October, 1951, pp. 319-330. 8vo. (247 x 175 mm). 22 pp. Figs., tables. Self-wraps.

[5] **WAGNER & Arloa BERGQUIST**. "The Accumulation of Keto Acids and Acetaldehyde by a Strain of *Neurospora* Inhibited by Threonine." Offprint from: *The Journal*

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of Biological Chemistry, Vol. 216, No. 1, September 1955, pp. 251-262. 8vo. (230 x 150 mm). 12 pp. Fig., tables. Self-wraps.

[6] **WAGNER & Paul W. IFLAND.** "Biochemical and Physiological Studies on a Strain of *Neurospora Crassa* Inhibited by Threonine." Offprint from: *Comptes Rendus Des Travaux Du Laboratoire Carlsberg, Sér. Physiol.*, Vol. 26, No. 23, pp. 381-406, [1957]. 8vo. (230 x 144 mm). 26 pp. Figs., tables. Self-wraps.

[7] **WAGNER, Arloa BERGQUIST, & G.W. KARP.** "Some Factors Influencing Valine and Isoleucine Transaminase Activity in *Neurospora crassa*." Offprint from: *Archives of Biochemistry and Biophysics*, Vol. 74, No. 1, March 1958, pp. 182-197. 8vo. (227 x 150 mm). 16 pp. Printed wrappers.

[8] **WAGNER, Arloa BERGQUIST, & H.S. FORREST.** "The Accumulation of Acetylmethylcarbinol and Acetyethylcarbinol by a Mutant of *Neurospora crassa* and Its Significance in the Biosynthesis of Isoleucine and Valine." Offprint from: *Journal of Biological Chemistry*, Vol. 234, No. 1, January 1959, pp. 99-104. Tall 8vo. (280 x 215 mm). 6 pp. Figs., tables. Self-wraps.

[9] **SEECOF, R.L. & WAGNER.** "Transaminase Activity in *Neurospora crassa*. I. Purification and Substrate Specificity of a Phenylpyruvate Transaminase." [with:] "Transaminase Activity in *Neurospora crassa*. II. Kinetic Behavior of a Phenylpyruvate Transaminase." Offprints from: *Journal of Biological Chemistry*, Vol. 234, No. 10, October 1959, pp. 2689-2697. Tall 8vo. (280 x 215 mm). 9 pp. Figs., tables. Self-wraps.

[10] **WAGNER, Carolyn E. SOMERS, & Arloa BERGQUIST.** "Gene Structure and Function in *Neurospora*." Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 46, No. 5, pp. 708-717, May 1960. 8vo. (255 x 173 mm). 10 pp. Figs., tables. Self-wraps.

[**WAGNER cont.**] [11] **SOMERS, Carolyn E., & T.C. HSU.** "Mitosis in Vegetative Nuclei of *Neurospora Crassa*." Offprint from: *Genetics*, Vol. 45, No. 6, June 1960, pp. (801)-810. 8vo. (247 x 173 mm). 10 pp. Photos, figs. Self-wraps.

[12] **ARMSTRONG, F.B. & WAGNER.** "Repression of the Valine-Isoleucine Pathway in *Salmonella*." Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 49, No. 5, pp. 628-633, May 1963. 8vo. (255 x 175 mm). 6 pp. Figs., table. Self-wraps.

[13] **WAGNER & Arloa BERGQUIST.** "Synthesis of Valine and Isoleucine in the Presence of a Particulate Cell Fraction of *Neurospora*." Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 49, No.6, pp. 892-897, June 1963. 8vo. (250 x 170 mm). 6 pp. Figs., table. Self-wraps.

[14] **WAGNER, et al.** "Genetic Blocks in the Isoleucine-Valine Pathway of *Neurospora Crassa*." Offprint from: *Genetics*, Vol. 49, No. 5, May 1964, pp. 865-882. 8vo. (245 x 175 mm). 18 pp. Figs., tables. Self-wraps.

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[15] **BAUSUM, H.T. & WAGNER.** “‘Selfing’ and Other Forms of Aberrant Recombination in Isoleucine-Valine Mutants of *Neurospora*.” Offprint from: *Genetics*, Vol. 51, No. 5, May 1965, pp. 815-830. 8vo. (245 x 175 mm). 16 pp. Figs., tables. Self-wraps.

[16] **KIRITANI, Kazuyoshi, Sumiko NARISE, Arloa BERGQUIST, & WAGNER.** “The Overall In Vitro Synthesis of Valine from Pyruvate by *Neurospora* Homogenates.” Offprint from: *Biochimica et Biophysica Acta*, Vol. 100, 1965, pp. 432-443. 8vo. (240 x 155 mm). 12 pp. Figs., tables. Self-wraps.

[17] **WAGNER, A. BERGQUIST, & T. BARBEE.** “The Synthesis In Vitro of Valine and Isoleucine from Pyruvate and α -Ketobutyrate in *Neurospora*.” Offprint from: *Biochimica et Biophysica Acta*, Vol. 100, 1965, pp. 444-450. 8vo. (240 x 155 mm). 7 pp. Figs., table. Self-wraps. Small inked notation on front cover.

[18] **CRONENWETT, Carolyn S. & WAGNER.** “Over-All Synthesis of Isoleucine by Membrane Fractions of *Salmonella Typhimurium*.” Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 54, No. 6, pp. 1643-1650, December 1965. 8vo. (256 x 176 mm). 8 pp. Figs., tables. Self-wraps.

[19] **KINSEY, J.A. & WAGNER.** “Amino Acid Production by a Mitochondrial Fraction of *Neurospora Crassa*.” Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 55, No. 2, pp. 404-410, February 1966. 8vo. (256 x 176 mm). 7 pp. Figs., tables. Self-wraps.

[20] **WAGNER, et al.** “The Synthesis of Amino Acids by Organized Enzyme Systems.” Offprint from: *Organizational Biosynthesis*, New York: Academic Press, 1967, pp. 267-293. 8vo. (230 x 150 mm). 27 pp. Figs., tables. Stapled pages.

[21] **KUWANA, Homare... WAGNER.** “An Acetohydroxy Acid Synthetase from *Neurospora crassa*.” Offprint from: *Archives of Biochemistry and Biophysics*, Vol. 128, pp. 184-193, 1968. 8vo. (250 x 175 mm). 10 pp. Stapled wrapper.

[22] **BERGQUIST, Arola... WAGNER.** “A Membranelike Fraction from *Neurospora Crassa*. I. Structure of “Membranes” and Release of Free Amino Acids.” Offprint from: *Proceedings of the National Academy of Sciences*, Vol. 59, No. 4, pp. 1136-1143, April 1968. 8vo. (255 x 175 mm). 8 pp. Photo, figs., tables. Self-wraps.

[WAGNER cont.] [23] **WAGNER.** “Genetics and Phenogenetics of Mitochondria.” Offprint from: *Science*, Vol. 163, pp. 1026-1031, March 7, 1969. Tall 8vo. (275 x 215 mm). 6 pp. Self-wraps.

[24] **KUWANA, Homare & WAGNER.** “The iv-3 Mutants of *Neurospora Crassa*. I. Genetic and Biochemical Characteristics.” Offprint from: *Genetics*, Vol. 62, pp. 479-485, July 1969. 8vo. (247 x 175 mm). 7 pp. Figs., tables. Self-wraps.

[25] **CAROLINE, Dina F... WAGNER.** “The iv-3 Mutants of *Neurospora Crassa*. II. Activity of Acetohydroxy Acid Synthetase.” Offprint from: *Genetics*, Vol. 62, pp. 487-494, July 1969. 8vo. (247 x 175 mm). 8 pp. Figs., tables. Self-wraps.

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[26] **ALTMILLER, D.H. & WAGNER.** "Deficiency of Dihydroxy Acid Dehydratase in the Mitochondria of the iv-1 Mutants of *Neurospora Crassa*." Offprint from: *Biochemical Genetics*, Vol. 4, pp. 243-251, 1970. 8vo. (245 x 170 mm). 9 pp. Photo, tables. Stapled pages.

[27] **ALTMILLER, D.H. & WAGNER.** "Purification and Properties of Dihydroxy Acid Dehydratase from Soluble and Mitochondrial Fractions of *Neurospora crassa*." Offprint from: *Archives of Biochemistry and Biophysics*, Vol. 138, pp. 160-170, 1970. 8vo. (250 x 175 mm). 11 pp. Photos, figs., tables. Stapled wrapper.

[28] **HARDING, Roy W., Dina F. CAROLINE, & WAGNER.** "The Pyruvate Dehydrogenase Complex from the Mitochondrial Fraction of *Neurospora crassa*." Offprint from: *Archives of Biochemistry and Biophysics*, Vol. 138, pp. 653-661, 1970. 8vo. (250 x 175 mm). 9 pp. Photos, figs., tables. Stapled wrapper.

[29] **CASSADY, William E.... WAGNER.** "Separation of Mitochondrial Membranes of *Neurospora Crassa*. I. Localization of L-Kynurenine-3-Hydroxylase." [with:] "Separation of Mitochondrial Membranes of *Neurospora Crassa*. II. Submitochondrial Localization of the Isoleucine-Valine Biosynthetic Pathway." Offprint from: *Journal of Cell Biology*, Vol. 49 and 53, 1971 and 1972, pp. 536-541 and 66-72. 8vo. (252 x 175 mm). 6 pp. Photos, figs., table. Stapled pages.

[30] **LEITER, E.H.... WAGNER.** "In Vitro Mitochondrial Complementation in *Neurospora crassa*." Offprint from: *Biochemical Genetics*, Vol. 5, pp. 549-561, 1971. 8vo. (280 x 215 mm). 13 pp. Figs., tables. Stapled pages.

[31] **WAGNER.** "Evolution and Genetic Significance of Mitochondria." Offprint from: *Stadler Symposia*, Vol. 4, 1972, pp. 39-56. 8vo. (230 x 151 mm). 18 pp. Photos, figs., table. Stapled pages.

465. **WALKER, D. P.** *The Decline of Hell: Seventeenth-century Discussions of Eternal Torment.* (Chicago): University of Chicago Press, (1964). 8vo. vii, 272 pp. Tan cloth, red-stamped spine title, dust jacket. Ownership signature. Fine. \$ 25

466. [**WALKER, Sears Cook** (1805-1853)] **GOULD, Benjamin Apthorp** (1824-1896). *An Address in Commemoration of Sears Cook Walker, Delivered before the American Association for the Advancement of Science, April 29, 1854.* (Cambridge): Joseph Lovering, 1854. 6to. 28 pp. Original printed wrappers; covers starting. Rubber stamp of the Maine Historical Society on front cover and title. Previous owner's penciled signature on title. Very good.

\$ 25

WITH THE AUTHOR'S PRESENTATION INSCRIPTION AND INITIALS. Gould was the founder of the *Astronomical Journal* and the discoverer of the Gould Belt. Z2004

467. **WALLACE, Alfred Russel** (1823-1913). *My Life: A Record of Events and Opinions. With Facsimile Letters, Illustrations and Portraits.* New York: Dodd, Mead, 1906. 2 vols. 8vo. xii, 435; vi, [vii], 464 pp. Frontis., plates, index. Maroon cloth, gilt-stamped cover and spine titles, t.e.g.; extremity edges worn, inner hinges cracked. Burndy Library bookplate. Bookplate of the Seafarer's Education Service. Very good. BL2332 \$ 175

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468. **WALLACE, William A.** *Galileo, the Jesuits and the Medieval Aristotle*. London: Variorum, (1991). 8vo. xiv, 336 pp. Teal cloth, gilt-stamped cover and spine titles. Ownership signature. Fine. ISBN: 0860782972

\$ 75

Fifteen papers, including "Galileo and Aristotle in the Dialogo," and "The Problem of Apodictic Proof in Early Seventeenth-Century Mechanics: Galileo, Guevara, and the Jesuits."

469. **WALLINGFORD, Richard; NORTH, J. D.** *Richard Wallingford. An edition of his writings with introductions, English translation and commentary. Vol. I: Text and Translations. Vol. II. The Life of Richard Wallingford, Introductions and Commentaries to the Texts. Vol. III. Illustrations, Tables, Appendixes, Glossaries, Bibliography, and Indexes*. Oxford: Clarendon Press, 1976. 3 volumes. 8vo. xxii, 563; 387; 318 pp. Plates. Navy cloth, gilt-stamped spine titles, dust jackets. Fine. ISBN: 0198581394 ISBN: 0198581394 ISBN: 0198581394

[See image](#) \$ 375

Richard of Wallingford (1292–1336) was an English mathematician who made major contributions to astronomy, astrology and horology. "Wallingford is best known for the astronomical clock he designed, while he was abbot, which is described in the *Tractatus Horologii Astronomici* (1327). The clock was completed about 20 years after Richard's death by William of Walsham but was apparently destroyed during Henry VIII's reformation and the dissolution of St Albans Abbey in 1539. His clock almost certainly was the most complex clock mechanism in existence at the time in the British isles, and one of the most sophisticated ones anywhere" (Wikipedia)

470. **WATERS, D. W.** *The Rutters of the Sea: The Sailing Directions of Pierre Garcie. A Study of the First English and French Printed Sailing Directions, with Facsimile Reproductions*. New Haven, CT: Yale University Press, 1967. FIRST EDITION. Large 4to. xv, 478 pp. Frontis., 14 illustrations (including fold-outs), 3 tables, glossary, index. Dark blue cloth, blind stamped cover illustration, gilt-stamped blue spine label, dust-jacket; jacket worn. Burndy bookplate. Very good. BL2333

\$ 83

471. **WATSON, Andrew G.** *A Descriptive Catalogue of the Medieval Manuscripts of Exeter College, Oxford*. Oxford: Oxford University Press, (2000). FIRST EDITION. 4to. xxviii, 150 pp. Color frontis., 4 color plates, 4 black-and-white plates, indexes. Navy cloth, gilt-stamped spine title, dust-jacket. Burndy bookplate. Fine. BL2334

\$ 215

472. **WAYLAND, John W.** *The Pathfinder of the Seas: The Life of Matthew Fontaine Maury. With an Introduction by William J. Showalter*. Richmond: Garrett & Massie, (1930). FIRST EDITION. 8vo. xiii, 191 pp. Frontis. (with color), decorative blue title border, plates, index. Green cloth, black stamped cover and spine titles. Burndy bookplate. Inscribed by the author. Very good. BL2116

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473. **WEBSTER, John W.** *A Manual of Chemistry, on the Basis of Professor Brande's; Containing the Principal Facts of the Science, Arranged in the Order in Which They Are Discussed and Illustrated in the Lectures at Harvard University, N.E.; The United States Military Academy, West Point; Brown University, Amherst, and Several Other Colleges in the United States. Compiled from the Works of the Most Distinguished Chemists. Designed as a Text Book for the Use of Students, and Persons Attending Lectures on Chemistry.* Boston: Richardson and Lord, 1828. Second edition, comprehending the recent discoveries. 8vo. xi, [1], 619, [1] pp. 9 plates (plates 8 and 9 bound toward the beginning), figures; plates slightly foxed, lacking plate VI. Original calf, gilt-stamped red leather spine label; covers detached, rear hinge cracked, spine chipped and missing small pieces. As is.

\$ 50

The author of this work, John White Webster (1811-1850), was a Harvard chemistry professor, respected lecturer, and editor of chemical works. However, his promising career was cut short after he was charged and hanged for the murder of George Parkman over an unpaid debt in a highly sensationalized crime that rocked the city of Boston.

Early Classification of Minerals

474. **WEISBACH, Julius Albin** (1833-1901), editor. *Tabellen zur Bestimmung der Mineralien nach äusseren Kennzeichen.* Leipzig: Arthur Felix, 1866. 8vo. viii, 113, [1] pp. Tables, index. Modern quarter brown calf, marbled boards, gilt-spine, marbled end-leaves. Ex library rubber stamps of the Mineralogisches Institut, Berlin. Fine, choice copy. RARE.

\$ 350

FIRST EDITION. The present work is an interesting and valuable classification of minerals, remained in print until the 7th ed., 1906. The second edition was also issued in 1866; later it was translated into English in 1875. Published three years before Mendeleev's table.

"Rare. This is the first edition of a work that was popular for many years. The text presents a series of tables that are used to determine the name of an unknown mineral by placing a sample through a series of simple tests based upon the external characteristics. Used with in the German education system, it was deemed important enough to be translated into English, which spawned its own sequence of books." – Curtis Schuh.

German mineralogist Albin Weisbach (1833-1901), was the son of Julius Ludwig Weisbach (1806-1871), a noted mathematician and engineer, known to teach at the Royal School of Mines in Freiberg. The younger Weisbach followed his father in this discipline and became professor in 1857 and worked for many years as a professor at the Freiberg Mining Academy, later becoming professor of physics. In 1866 he was appointed Professor of Mineralogy.

☼ BMC (Nat. Hist.), V, p. 2286; Gascoigne, *Catalogue of Scientific Periodicals*, 1985: no. 8866; Katalog Bergakademie Freiberg, 1879: p. 705 [VI. 989.]; NUC; USGS Library Catalog. ADB: 41, 522; Poggendorff: 3, 1427 & 4, 1615; Sarjeant, *Geologists*, 1980: 3, 2396; Schuh, Curtis P., *Mineralogical Record* (on-line); *World Who's Who in Science*. 1774. S6565

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☼ Robert Allen, "Variations of Chemical and Physical Properties of Fluorite," p.911; *Bulletin de la Société Française de Minéralogie*: 37 (1914), no. 2, 44-59, portrait; Chales Schuh, *Mineralogical Record*; Dana's 7th (bibliography) 84; *ISIS*, 1913-65: 2, 641; Jean Jacques, "Gregory Wyruboff (1843-1913) and positive chemistry," in *Proceedings of the Academy of Sciences - Series II C - Chemistry*, Vol. 2, No. 7-8, 1999, p. 467-470; Poggendorff: 4, 1675 & 5, 1397; Sarjeant, *Geologists*, 1980: 3, 2471; Schuh, Curtis P., *Mineralogical Record* (on-line);

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George Otis Smith & David White, *Geology of the Perry Basin in Southeastern Maine*, U.S. Geological Survey professional paper, Washington, 1905. p. 125. S7044

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1902 Nobel Prize in Physics with Lorentz

489. **ZEEMAN, Pieter** (1865-1943). *Measurements concerning radiation-phenomena in the magnetic field. - (I)*. In: *The London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science*, Vol. XLV, Fifth Series, January - June 1898. London: Taylor and Francis, 1898. 219 x 152 mm. 8vo. Pages 197-201. [Entire volume: [vii], [1], 548 pp.] Quarter black morocco, morocco corners, marbled boards, raised bands, gilt spine; rubbed. Ex library blind-stamps of the University of Chicago Library. Very good. RARE.

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