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FAX: 323-344-9267 e-mail: [weberbks@pacbell.net](mailto:weberbks@pacbell.net)

304. **ABBE, Ernst** (1840-1905). *Gesammelte Abhandlungen. Vierter Band: Unveröffentlichte Schriften wissenschaftlich-technischen Inhalts. Erste Hälfte: Arbeiten zum Glaswerk zwischen 1882 und 1885*. Jena: Gustav Fischer, 1928. 8vo. xiv, 146 pp. Frontis. port., illus. Original orange printed wrappers. Very good copy. From the collected papers by Abbe – this containing material on the glassworks from 1882-1885. \$ 15
305. **ABBOTT, Edwin A.** *The Annotated Flatland; a Romance of Many Dimensions. Introduction and Notes by Ian Stewart*. Cambridge: Perseus, (2002). 8vo. xxvii, 239 pp. Frontis. portrait, illus., diag. Two-tone boards, dust-jacket. Fine. ISBN: 0738205419 / 0-7382-0541-9 [BH] \$ 12
306. **Accademia delle Scienze dell'Istituto di Bologna; Universita Degli Studi di Bologna.** *I Materiali dell'Istituto delle Scienze*. Bologna: Accademia delle Scienze, 1979. Sq. 8vo. 264, [1] pp. Illus. Printed wrappers. Very good. \$ 20
307. **ADAMS, Edwin Plimpton.** *The Quantum Theory. Second edition. Revised and enlarged*. Washington, D.C.: The National Academy of Sciences, 1923. Series: Bulletin of the National Research Council, vol. 7, pt. 3, no. 39. Original printed wrappers; Kozo repairs to joints, spine and corners. Good+. [HL] \$ 25
308. **ADZEMA, Robert; Mablen JONES.** *The Great Sundial Cutout Book*. New York: Hawthorn Books, (1978). 4to. [iv], 104 pp. 16 plates, illus. Printed wrappers, spiral-bound; short tears to upper cover. Very good. [BH] \$ 5
309. **AIRY, George Biddell** (1801-1892). *On Sound and Atmospheric Vibrations, with the mathematical elements of music. Designed for the use of students of the university. Second edition*. London: Macmillan, 1871. Sm. 8vo. xvi, 279, [1] pp. 2 folding plates, addendum. Original dark green gilt and blind-stamped cloth; covers rubbed. Pickering bookseller's ticket. Very good. [HL] \$ 45
- J. J. Thomson's Copy with His Signature*
310. **AIRY, Sir George Biddell** (1801-1892). *One the Undulatory Theory of Optics, Designed for the use of Students in the University. A new edition*. London: Macmillan, 1877. Sm. 8vo. viii, 159, ads 24 pp. 2 large folding plates (edge torn, misfolded); occasional light spotting. Original blind and gilt-stamped cloth. Very good copy. Ownership inscription of J.J. Thomson, Trin. Coll. [Trinity College]. Joseph John Thomson (1856-1940) – was awarded the Nobel Prize in physics for his researches into the discharge of electricity in gases in 1906. [HL] \$ 800
311. **ANTHONY, Joby Milo** (ed.), *In Eves' Circles*. Washington, DC: Mathematical Association of America, (1994). Series: MAA Notes no. 34. 4to. xxvii, 209 pp. Illus. figs. diag; owner's ink inscription ffep, 2 minor ink marginal notes (p. xxv), Printed wrappers. Very good. ISBN: 0883850885 / 0-88385-088-5 [BH] \$ 5
312. **BAKER, Thomas.** *Rudimentary Treatise on Mensuration and Measuring, for Students and Practical Use. With the mensuration and levelling of land for the purposes of modern engineering. Eighth edition*. London: Virtue Brothers & Co., 1865. Sm. 8vo. vi, 145 pp. Figs. Original dark green gilt and blind-stamped cloth; joints cracked. Ex-library rubber-stamp of the Franciscan Convent, Santa Barbara, signature of former owner on flyleaf. Good. [BH] \$ 6

313. **BALL, W.W. Rouse** (1850-1925). *A Short Account of the History of Mathematics*. New York: Dover, n.d. Reprint of 1908 edition. 12mo. xxiv, 522 pp. Index. Printed wrappers; ink initials on cover, rubbed. Bookplate of Barnabas Hughes, ex-library stamps on title. Good. [BH] \$ 5
314. **BERDOULAY, Vincent**. *Des mots et des lieux la dynamique du discours géographique*. Paris: Centre National de la Recherche Scientifique, 1988. Series: Mémoires et documents de géographie. 4to. 106 pp. Printed wrappers; corner dented. Very good. ISBN: 2222041473 \$ 32
315. **BERLINGHOFF, William; Fernando Q. GOUVÊA**. *Math through the Ages; A Gentle History for Teachers and Others*. Farmington, ME: Open House Publ., (2002). 8vo. viii, 218 pp. Illus., figs., index. Green printed wrappers. Near fine. ISBN: 1881929213 / 1-881929-21-3 [BH] \$ 12
316. **BASSET, Alfred Barnard** (1854-1930). *An Elementary Treatise on Hydrodynamics and Sound. Second edition, revised and enlarged*. Cambridge: Deighton Bell, 1900. 8vo. xiv, 212 pp. Figs. Original olive green blind and gilt-stamped cloth; extremities somewhat worn. Owner's notes mounted to ffep. Blackwell's ticket. Good. [HL] \$ 20
317. **BATEMAN, Harry** (1882-1946). *The Mathematical Analysis of Electrical and Optical Wave-Motion on the basis of Maxwell's equations*. Cambridge: University Press, 1915. 8vo. vi, [2], 159, [1] pp. Additions & corrections slip, index; occasional ink marginalia (mostly pp. 6+7). Navy blind and gilt-stamped cloth. Very good. [HL] \$ 65
318. **BAUMGART, John K.** (ed.); *National Council of Teachers of Mathematics. Historical Topics for the Mathematics Classroom. Thirty-first Yearbook*. Washington, D.C.: NCTM, 1969. 8vo. xiv, 524 pp. diagr., index. Blue gilt-stamped cloth; corner bumped. Very good +. Includes: The history of numbers and numerals, by Bernard H. Gundlach; The history of computation, by Harold T. Davis; The History of Geometry, by Howard Eves; The history of Algebra, by John K. Baumgart; The history of Trigonometry, by Edward S. Kennedy; The history of Calculus, by Carl B. Boyer; and Development of Modern Mathematics, by R.L. Wilder. [BH] \$ 4
319. **BESANT, W.H. [William Henry]** (1828-1917); **Arthur Stanley RAMSEY** (1867-1954). *A Treatise on Dynamics. Fifth edition revised and enlarged by ...* London: G. Bell and Sons, 1914. 8vo. xv, 443 pp. Original blind and gilt-stamped cloth; extremities rubbed, a hint of foxing to edges. A few minor pencil annotations, a few additional students notes handwritten on loose sheets and laid in. Very good. [HL] \$ 14
320. **BESANT, W.H. [William Henry]** (1828-1917); **Arthur Stanley RAMSEY** (1867-1954). *A Treatise on Hydromechanics. Part I: Hydrostatics. Seventh edition*. London: G. Bell and Sons, 1911. 8vo. [viii], 275 pp. Some light foxing. Original maroon blind and gilt-stamped cloth. Ownership signature of F. Purver White, 1913. Very good. Francis Purver White (1893-1969), Fellow of the St. Johns College, was the author of a number of papers and reviews relating to mathematics. Robert A. Rankin writes, "He usually signed his name F. Purver White, with the result that he once appeared in the Cambridge Telephone Directory as F. White, Purveyor." See: *Number Theory and Modular Forms: Papers in Memory of Robert A. Rankin*, 2003; *Alumni Cantabrigienses: A Biographical List of All Known Students ...*, Volume 2, edited by John Venn, (2011). [HL] \$ 5



321. **BESANT, W.H. [William Henry]** (1828-1917); **Arthur Stanley RAMSEY** (1867-1954). *A Treatise on Hydromechanics. Part I: Hydrostatics. Sixth edition.* London: George Bell and Sons, 1904. 8vo. [viii], 264 pp. Some light foxing. Original maroon blind and gilt-stamped cloth. Occasional ink marginalia by Charles H. Kebby, Imperial College of Science, South Kensington (see p. 13); ink smudge p.4, some added pencil notes. Very good. [HL] \$ 5
322. **BETTEX, Albert.** *Die Entdeckung der Natur.* Munich & Zurich: Droemersch Verlaganstalt, (1965). Printed in Switzerland. 4to. 380 pp. Profusely illustrated (some color, 1 folding pl.), index. Cloth, dust-jacket; jacket worn. Good. Well-illustrated history of science and nature with treatments for every field of science including: chemistry, physics, Botany, zoology, humanity, and astronomy. \$ 12
323. **BOCHER, Maxime.** *Leçons sur les Méthodes de Sturm dans la théorie des équations différentielles linéaires et leurs développements modernes.* Paris: Gauthier-Villars et cie, 1917. Series: *Collection de monographies sur la théorie des fonctions.* 8vo. vi, 118 pp. Later full lime green cloth, hand-typed title on paper mounted on spine. Bookplate of G Polya. George Polya (1887-1985) was a Hungarian mathematician and professor of mathematics from 1914 to 1940 at ETH Zürich and from 1940 to 1953 at Stanford University. He made fundamental contributions to combinatorics, number theory, numerical analysis and probability theory. Harold Levine was also at Stanford's mathematics dept. and thus acquired some of Polya's personal library. [HL] \$ 175
324. **BIRTWISTLE, George.** *The New Quantum Mechanics.* Cambridge: University Press, 1928. 8vo. xiii, 290 pp. Index. Red gilt-stamped cloth; rubbed. Ink title-page ownership signature of Harold Levine, 1941. Very good. [HL] \$ 10
325. **BOHR, Niels** (1885-1962). *The Penetration of Atomic Particles Through Matter.* Copenhagen: Ejnar Munksgaard, 1948. Series: Det Kgl. Danske Videnskabernes Selskab, XVIII, 8. 8vo. 144 pp. Original printed wrappers; lowers edges waterstained throughout. Cover with green ink ownership signature of Harold Levine. [HL] \$ 12
326. **BOHR, Niels** (1885-1962). *The Theory of Spectra and Atomic Constitution, Three Essays.* Cambridge: University Press, 1922. 8vo. x, 126 pp. 6 figures, diagrams; gutter marginal tear p. ix repaired with Kozo Japanese paper, rubber ink stamped to Preface. Original single ruled red cloth with gilt-stamped spine; tad faded, glue remains on lower spine. Ex-library copy [Dominion Astronomical Observatory, Ottawa, Canada]. Very good. \$ 75  
The Nobel Prize in Physics 1922 was awarded to Niels Bohr "for his services in the investigation of the structure of atoms and of the radiation emanating from them."
327. **BOLTZMANN, Ludwig** (1844-1906). *Vorlesungen uber Gastheorie. II teil: Theorie van der Waals'; Gase mit zusammengesetzten Molekülen; Gasdissociation; Schlussbemerkungen.* Leipzig: Johann Ambrosius Barth, 1912. Second edition. Part II only. 8vo. x, 265 pp. Beige cloth stamped in black. Copy of Paul Thalmann, with his bookplate and title-page inscription; also his rubber-stamp, Bern. Paul Thalmann was a German physics professor. \$ 75
328. **BORN, Max** (1882-1970). *Natural Philosophy of Cause and Chance.* Oxford: Clarendon Press, (1951). Lithographic reprint. 8vo. vii, [1], 216 pp. Index. Navy gilt-stamped cloth. Fine. [HL] \$ 30

329. **BORST, Arno.** *The Ordering of Time from the ancient computers to the modern computer.* Translated from the German by Andrew Winnard. Chicago: University of Chicago Press, (1993). 8vo. ix, 168 pp. 25 illus., index. Printed wrappers. Fine. \$ 20
330. **BOWMAN, Frank.** *Introduction to Elliptic Functions with applications.* London: English Universities Press Ltd., (1953). Sm. 8vo. 115 pp. Figs., index. Red cloth, dust-jacket; jacket torn, spine a bit dulled. Very good. [HL] \$ 5
331. **BOYER, Carl B.** (1906-1976). *A History of Mathematics.* New York: John Wiley & Sons, 1968. 8vo. xv, 717 pp. Illus., figs., maps, index. Black gilt-stamped cloth. Former ownership signature. Very good. Carl Benjamin Boyer was a historian of sciences, and especially mathematics. David Foster Wallace called him the ‘Gibbon of math history’. [BH] \$ 22
332. **[BOYLE] Marie Boas HALL.** *Robert Boyle on Natural Philosophy; an essay with selections from his writings.* Bloomington: Indiana University Press, 1965. 8vo. ix, 406 pp. Pictorial title, index. Printed wrappers; creased. Roger Hahn’s copy with his signature. \$ 5
333. **BRILLOUIN, Marcel** (1854-1948). *Propagation de l’Electricite; histoire et theorie.* Paris: A. Hermann, 1904. Head of title: *Cours du Collège de France.* 8vo. ix, 398 pp. Figs., 4 folding plates. Early quarter dark green gilt-stamped calf, marbled boards. Generally very good. [HL] \$ 125
334. **BROWNE, Charles A.** *A Source Book of Agricultural Chemistry.* Waltham: Chronica Botanica, 1944. Series: *Chronica Botanica*, vol. 8, no 1, Spring 1944. 8vo. x, 290 pp. Figs., index. Original printed wrappers; cover off, extremities worn, corner dented. Bookplate of the noted chemistry book collector DENIS DUVEEN (with over-written inscription, but can’t be read easily); ownership signature of Roger Hahn (Hahn and Duveen were close friends). Good. \$ 40
335. **[BUFFON] Jean-Claude BEAUNE; Jean GAYON; et al.** *Buffon 88: actes du Colloque international pour le bicentenaire de la mort de Buffon.* (Paris, Montbard, Dijon, 14-22 juin 1988). Paris: J. Vrin; Lyon: Institut interdisciplinaire d’études épistémologiques, 1992. Series: *Science, histoire, philosophie.* 8vo. ix, 771 pp. 46 illus., 7 tables. Original printed wrappers. Fine. ISBN: 271169755X \$ 40
336. **BUNT, Lucas N.H.; Phillip S. JONES; Jack B. BEDIANT.** *The Historical Roots of Elementary Mathematics.* Englewood Cliffs, NJ: Prentice-Hall, (1976). 8vo. xii, 299 pp. Figs., index. Brown gilt-stamped cloth, dust-jacket; jacket very worn. Good +. [BH] \$ 8

*Won the Nobel Prize*

337. **BURNET, Sir Frank Macfarlane** (1899-1985). *The clonal selection theory of acquired immunity.* Nashville: Vanderbilt University Press, 1959. At head of title: The Abraham Flexner Lectures, 1958. 8vo. xiii, (209) pp. Title-page vignette, 12 figs., 4 tables, index. Red cloth, gilt spine, dust-jacket; jacket lightly worn. Ownership rubber stamps. Very good.

\$ 65

FIRST EDITION. Published in Great Britain by Cambridge University Press. Sir Frank Macfarlane Burnet shared the Nobel Prize with Peter Medawar in 1960 for work in immunology. Garrison and Morton 2578.31.

338. **BURALI-FORTI, C.; R. MARCOLONGO.** *Éléments de Calcul Vectoriel. Traduit de l'Italien.* Paris: A. Hermann et fils, 1910. 8vo. 229 pp. Original printed wrappers; spine heavily taped, extremities chipped, signatures coming loose (stopped by this plastic tape). Good. [HL] \$ 18
339. **CABANIS, Pierre-Jean-Georges** (1757-1808). *Lettre (posthume et inédite) de Cabanis à M. F\*\*\* [Faureil] sur les causes premières avec des notes par F. Bérard.* Paris: Gabon et Compagnie, 1824. First edition. 8vo. viii, 184 pp. Original printed wrappers; some wear or tearing to extremities, joints. Early ink presentation inscription on upper cover (name is difficult to read). Very good. Rare. \$ 275  
 Previously unpublished letters, written in 1795; the text discusses the issues of a revolution in various sciences and medicine, the author's view is that it is a revolution in ideas. « Cette lettre (inédite jusqu'à présent) présente le complément de la doctrine des Rapports du physique et du Moral... J'ai jugé convenable (en la publiant) de soumettre les questions fondamentales que traite Cabanis à un nouvel examen... » – (préface de Bérard). Jacques Postel & Claude Quétel, *Nouvelle histoire de la psychiatrie*, pp. 117, 140, etc. - Gregory Zilboorg, *A History of Medical Psychology*, 1941, p. 284; *DSB*, III, pp. 1-3 (referencing a published date of 1804 incorrectly).
340. **BYERLY, William Elwood** (1849-1935). *An Introduction to the Use of Generalized Coördinates in Mechanics and Physics.* Boston ...: Ginn, (1916). Sm. 8vo. vii, 118 pp. Original blue blind and black-stamped cloth. Fine. Ink title-page signature of former owner, Harold Levine, 1939. [HL] \$ 30
341. **CAGNIARD, Louis** (1900-1971). *Reflection and Refraction of Progressive Seismic Waves. Translated and revised by Edvard A. Flinn and C. Henvitt Dix.* New York: McGraw-Hill, 1962. International Series in the Earth Sciences. 8vo. xx, 282 pp. Figs., diags., index. Cloth, dust-jacket; jacket with some tears (piece missing from top d.j. spine). Very good. \$ 45  
 “French geophysicist who developed the theory of seismic waves in 1937. His classic memoir, Réfection et Réfraction de Ondes Séismiques Progressives, was translated into English ... by Flinn and ... Dix ... in 1962. He also introduced the magneto telluric method in geophysical prospecting in 1953. His name is most frequently associated with the “Cagniard-De Hoop” methods in seismology.” - William H.K. Lee, Hiroo Kanamori, Paul Jennings, 2003, p. 1732.
342. **[Cambridge: Mathematical Tripos]** *Cambridge. University Examination Papers for Entrance and Minor Scholarships and Exhibitions in the Colleges of the University of Cambridge. December, 1895-1910; 1911 – March, 1912. LXIV. Mathematics.* Cambridge: University Press, 1912. 2 volumes. 4to. 1st vol.: [pagination varies]; 2nd vol.: [iv], 79; [iv], 92; [iv], 92; [iv], 84; [iv], 63; [iv], 60 pp. Original green quarter gilt-stamped cloth, boards; corners showing; [with:] green decorative cloth; worn, but with mended joints of part II, kozo repairs to joints. Good. [HL] \$ 40
343. **[Cambridge: Mathematical Tripos]** *Cambridge. University Examination Papers. Easter Term, 1918. Containing the papers for the Mathematical Tripos, part II.* Cambridge: University Press, 1918-23. 4to. pp. 353-372; 389-412; 573-596; [2], 2, 2, 2, 3; 3, 3, 4, 3, 4, 4, (3), 4, 4, 4, 4, 4; 2, 3, 3, 2, 2, 2, 2, 3, 3, 3, 4, 4, 4, 3, 3, 4, 4, 3; 2, 2, 2, 3, 2, 2, 2; 3, 3, 3, 3, 4, 3, 3, 3, 4, 4, 4, 4. Later red buckram with various original blue printed wrappers bound in. Very good. [HL] \$ 25

344. **CALINGER, Ronald** (ed.). *Classics of Mathematics*. Inglewood Cliffs: Prentice Hall, (1995). Large 8vo. xxi, 793 pp. Figs., index. Printed wrappers. Very good. ISBN: 002318342X / 0-02-318342-X [BH] \$ 9
345. **CAPEL SÁEZ, Horacio; et.al.** *Ciencia para la Burguesía; renovación pedagógica y enseñanza de la geografía en la revolución liberal española, 1814-1857*. Barcelona: Universitat de Barcelona, 1983. 8vo. 355 pp. Illus. Printed wrappers. Inscribed [by a contributor? – possibly Mario Araya] to Roger Hahn. \$ 65
346. **CARSLAW, H.S. [Horatio Scott]** (1870-1954). *Introduction to the Mathematical Theory of the Conduction of Heat in Solids. Second edition, completely revised*. New York: Dover, 1945. Sm. 8vo. xii, 268 pp. Figs., index. Navy gilt-stamped cloth; extremities rubbed. Title ink signature of Harold Levine, 1945. Very good +. Carslaw was a Scottish-Australian mathematician. [HL] \$ 25
347. **Jaques Cattell Press** (editors). *Directory of American Scholars. Seventh edition. History. Volume 1*. New York & London: Bowker, 1978. 4to. xiii, 824 pp. Brick-red gilt-stamped cloth. Fine. This directory is complete and offers data on scholars and their personal backgrounds. ISBN: 0835210731 \$ 20
348. **[CLAGETT] GRANT, Edward & John E. MURDOCH** (eds.). *Mathematics and Its Applications to Science and Natural Philosophy in the Middle Ages: Essays in Honour of Marshall Clagett*. Cambridge: Cambridge University Press, (1987). 8vo. xii, 337 pp. Photographic frontis., illus., index. Navy gilt and red-stamped cloth. Fine. Contributors include: Bruce Eastwood, Edward Grant, Wilbur Knorr, David C. Lindberg [“Roger Bacon and the origins of perspectiva”], Michael R. McVaugh, A. George Molland, John E. Murdoch, J. D. North, A. I. Sabra, Edith D. Sylla, Sabetai Ungaru. Includes a bibliography of Clagett’s work. ISBN: 052132260X / 0-521-32260-X [BH] \$ 36
349. **CLARKE, Samuel; Gottfried Wilhelm LEIBNIZ**. *The Leibniz-Clarke Correspondence; together with extracts from Newton’s Principia and Opticks*. Edited by Henry Gavin Alexander. Manchester: Manchester University Press, (1956). Sm. 8vo. lvi, 200 pp. Index. Brick-red cloth. Bookplate of Roger Hahn. Very good. \$ 8
350. **COHEN, Morris R. & I.E. DRABIN**. *A Source Book in Greek Science*. Cambridge: Harvard University Press, 1966. 8vo. xxi, 581 pp. Illus. figs., index. Maroon gilt-stamped cloth. Ex-library stamp & accession number on title page, bookplate of Barnabas Hughes. Very good. [BH] \$ 10
351. **COLEMAN, Patrick; Anne HOFMANN; Simone ZURBUCHEN; Center for seventeenth and eighteenth century studies (Los Angeles, Calif.)**. *Reconceptualizing Nature, Science, and Aesthetics: Contribution a une nouvelle approche des Lumières helvétiques. Proceedings of the Conference... , University of California, Los Angeles... February 27-March 2, 1997*. Genève [Geneva]: Slatkine, 1998. Series: Travaux sur la Suisse des Lumières, 1. 8vo. 271 pp. Illus. Printed beige boards. Fine. Scarce. \$ 20
- Contents: Roger Francillon, The Enlightenment in Switzerland. With other papers by Claude Reichler, Max Grober, Helena Rosenblatt, Fernando Vidal, Simone Zurbuchen, Michael Böhrer, François Rosset, John Christian Laursen, Timothy Erwin, Robert M. Maniquis, Markus Winkler, Jean-Marie Roulin, Béla Kapossy, Johan van der Zande, Jürg Zbinden, and Randolph Head.

352. **COLUBI LOPEZ, Mariano.** "Leyes Físicas Versus Leyes Experimentales: el intercambio de información entre Brewster y Biot acerca de la relación entre las leyes de doble refracción y la repolarización (1813-1819)." Within: Lull: Revista de la Sociedad Española de Historia de las Ciencias y de las Técnicas, ISSN 0210-8615, Vol. 21, N° 41, 1998. Article pages 357-386. Full issue: 333-599 pp. Illus. Original printed wrappers; rear leaves and cover creased. Good +.

\$ 20

Deals with the polarization of light theories in England from 1800-1820. In particular Brewster and Biot and their exchanges are looked at with regard to their interests in experimental and physical law. Additional articles are on psychiatry and V. Magnan or B.A. Morel; Lopez-Sanchez on Aztecs, Mayas and Incas; Patricia Radelet-de Grave on Lagrange's Mécanique analytique; and Alejandro Ricart Cabús on the pyramids of Egypt.

353. **CONDON, Edward Uhler; Hugh ODISHAW** (editors). *Handbook of Physics*. New York, Toronto, London: McGraw-Hill, (1958). III. Thick 8vo. Various paginated (ca.1500 pp.). Index. Maroon cloth; nick on spine. Bookplate of David C. Lindberg. Very good. Nine parts: Mathematics, Mechanics of Particles and Rigid Bodies, Mechanics of Deformable Bodies, Electricity and Magnetism, Heat and Thermodynamics, Optics, Atomic Physics, The Solid State, Nuclear Physics. \$ 5

354. *Consortium for Mathematics and Its Applications. Historical Notes Mathematics Through the Ages*. Lexington, MA: COMAP, 1992. 4to. [vi], 90 pp. Figs. Color printed wrappers. As new. ISBN: 0912843241 / 0-912843-24-1 [BH] \$ 2

355. **COPERNICUS; KEPLER; PTOLEMY; Encyclopedia Britannica.** *Great Books of the Western World. Vol. 16: The Almagest by Ptolemy; On the Revolutions of the Heavenly Spheres by Nicolaus Copernicus; Epitome of Copernican Astronomy: IV and V; The Harmonies of the World: V by Johannes Kepler*. Chicago: Encyclopedia Britannica, 1952. 8vo. xii, 1085 pp. Light green cloth; faded, front joint reinforced with plastic tape. Former ownership name of Barnabas Hughes. Good. [BH] \$ 5

356. **CORBEN, Herbert Charles.** *Classical and Quantum Theories of Spinning Particles*. San Francisco: Holden-Day, (1968). 8vo. xiii, 279 pp. Cloth, dust-jacket; jacket worn, rubbed. Very good.

\$ 40

Classic text contains an in depth view of the basic equations of motion of a spinning particle according to relativistic and non-relativistic classical and quantum mechanics, emphasizing the correspondence between these various levels of approximation. Julian Schwinger had published an article with Herbert C. Corben on "The electromagnetic properties of mesotrons". Herbert Charles Corben, physicist, was born in England (1914-2000) and educated at the University of Melbourne. He spent most of his working life teaching physics at various institutes in the United States of America and in Canada. Corben was author of at least nine scientific articles. See: Jagdish Mehra, Kimball A. Milton, Climbing the Mountain: The Scientific Biography of Julian Schwinger.

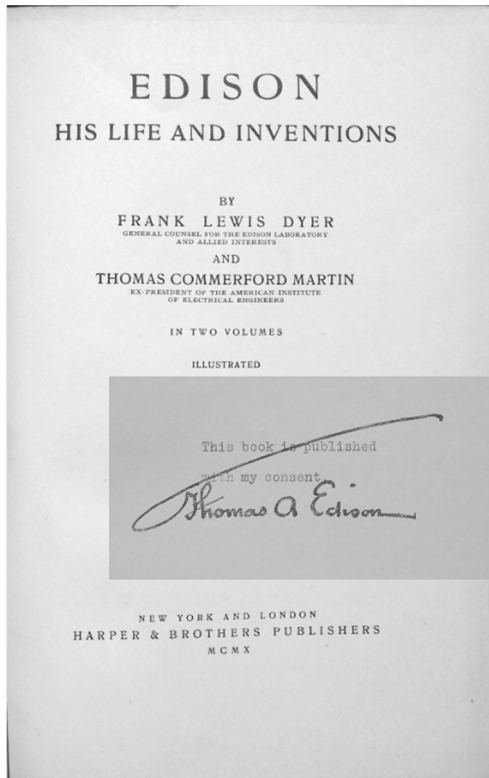
357. **CRABTREE, Harold.** *An Elementary Treatment of the Theory of Spinning Tops and Gyroscopic Motion. Second edition*. London: Longmans, Green, 1914. 8vo. xv, 193 pp. 100 figs., 5 plates, index. Maroon blind and gilt-stamped cloth; rubbed, spine dulled. Very good. [HL] \$ 25

358. **[DAMPIER] Christopher LLOYD.** *William Dampier*. Hamden: Archon Books, (1966). 8vo. 164 pp. Frontis., pls., index. Blue gilt-stamped cloth. Fine. \$ 12
359. **[DARDI] FRANCI, Raffaella** (ed.). *Maestro Dardi* (sec. XVI) *Aliabrua Argibra dal manoscritto I.VII.17 della Biblioteca Comunale di Siena*. [Series]: *Quaderni del Centro Studi della Matematica Medioevale*, vol. 26. Siena: Università degli Studi di Siena, 2001. 8vo. [vi], 299 pp. Printed wrappers. Very good. Very scarce. [BH] \$ 14
360. **DAUBEN, Joseph W. & Christoph J. SCRIBA** (eds.). *Writing the History of Mathematics: It's Historical Development*. Basel, Boston, Berlin: Birkhäuser, (2002). 8vo. xxxvii, 689 pp. 24 small portraits of significant authors, index. Printed wrappers. very good +. "As an historiographic monograph, this book offers a detailed survey of the professional evolution and significance of an entire discipline devoted to the history of science." 32 contributors. ISBN: 3764361670 / 3-7643-6167-0 [BH] \$ 125
361. **DEBRU, Claude.** *L'esprit des proteines; histoire et philosophie biobimiques*. Paris: Hermann, (1983). 8vo. xv, 365 pp. Figs., index. Printed wrappers. Fine. INSCRIBED BY THE AUTHOR to Roger Hahn. ISBN: 2705659528 \$ 75
362. **[DESCARTES] Yvon BELAVAL.** *Leibniz critique de Descartes*. Paris: Librairie Gallimard, 1960. Head of title: *Bibliothèque des Idées*. 8vo. 559 pp. Erratum laid in. Original printed wrappers. Very good. \$ 15
363. **DIEZ, Juan; David Eugene SMITH.** *The Sumario Compendioso of Brother Juan Diez; The Earliest Mathematical Work of the New World*. Boston: Ginn & Co., 1921. 8vo. [vi], 65 pp. Ink smudge on final blank (p. [66]). Original quart vellum backed olive-gray boards; slight wear to corners, lacking slip-case. Reproduction of original edition of 1556 on even numbered pages with English translation on odd numbered pages. Very good. [BH] \$ 30
364. **DIRAC, Paul Adrien Maurice.** *General Theory of Relativity*. New York: John Wiley & Sons, (1975). 8vo. viii, 69, [1] pp. Cloth, dust-jacket; jacket worn. ISBN: 0471215759 \$ 35
- Paul Dirac: Nobel Prize, Physics, 1933 (shared with Erwin Schrödinger), 'for the discovery of new productive forms of atomic theory.' "Einstein's general theory of relativity requires a curved space for the description of the physical world. If one wishes to go beyond superficial discussions of the physical relations involved, one needs to set up precise equations for handling curved space. The well-established mathematical technique that accomplishes this is clearly described in this classic book by Nobel Laureate P.A.M. Dirac. Based on a series of lectures given by Dirac at Florida State University, and intended for the advanced undergraduate, *General Theory of Relativity* comprises thirty-five compact chapters that take the reader point-by-point through the necessary steps for understanding general relativity" - Princeton University Press, which reprinted the book in its *Princeton Landmarks in Physics* series.
365. **DRAKE, Stillman & I.E. DRABKIN.** *Mechanics in Sixteenth-Century Italy; selections from Tartaglia, Bethedetti, Guido Ubaldo, & Galileo. Translated & annotated by ...* Madison, Milwaukee, & London: University of Wisconsin Press, 1969. 8vo. xii, 428 pp. Illus., numerous diagrams, figs., index. Cloth, dust-jacket. Very good. \$ 75

366. **DRAKE, Stillman & C.D. O'MALLEY.** *The Controversy on the Comets of 1618. Galileo Galilei, Horatio Grassi, Mario Guiducci, Johann Kepler.* Translated by Stillman Drake and C.D. O'Malley. Philadelphia: University of Pennsylvania Press, (1960). 8vo. xxv, 380 pp. Facs., figs., index. Cloth, dust-jacket; jacket corners torn. Very good. \$ 45
367. **EARNSHAW, Samuel** (1805-1888). *Dynamics, or a Treatise on Motion; to which is added a short treatise on attractions. Second edition, enlarged.* Cambridge: J. and J.J. Deighton; London: John W. Parker, 1839. 8vo. [ii], 359 pp. 3 folding plates. Original quarter green cloth-backed plain boards, printed paper spine label; boards soiled, extremities worn. Early ownership signature of George Babb, St. John's College. Good. RARE. [HL]

\$ 175

Earnshaw was an "English clergyman and mathematician, noted for his contributions to theoretical physics, especially 'Earnshaw's Theorem'... From 1831 to 1847 Earnshaw worked in Cambridge as tripos coach." [Reverend] George Babb (ca. 1822-1891) received his ordination from St. John's in 1843/4.



[EDISON – 368]

*Signed by Edison*

368. **[EDISON, Thomas A. (1847-1931)] DYER, Frank Lewis; Thomas Commerford MARTIN.** *Edison, His Life and Inventions.* New York and London: Harper & Brothers, 1910. Two volumes. 8vo. ix, [1], [4], 472; [viii], 473-988, [1] pp. Portrait

frontispieces, illus., appendix, index. Original gilt-stamped navy cloth, t.e.g.; extremities rubbed. New navy cloth slip-case. SIGNED EDITION "THIS BOOK IS PUBLISHED WITH MY CONSENT" BY THOMAS EDISON.

\$ 3,000

First edition. Between the introduction and the half-title is a page with the statement "This book is published with my consent" over Edison's hand-written signature. This was Edison's only authorized biography, and he refused to sign any other books about him.

369. **EINSTEIN, Albert.** *The Meaning of Relativity. Third edition, including the Generalized Theory of Gravitation.* Princeton: Princeton University Press, 1950. Sm. 8vo. 150 pp. Index, errata; some foxing. Beige gray cloth. Good. \$ 17
370. **EINSTEIN, Albert.** *Untersuchungen ueber die Theorie der "Bronschen Bewegung".* Leipzig: Akademische Verlagsgesellschaft, 1922. Series: Ostwald's Klassiker der Exakten Wissenschaften, nr. 199. Sm. 8vo. 72 pp. Original printed wrappers; some wear to head and tail of spine. Very good. Scarce. \$ 85  
See: Albert Einstein, Reinhold Fürth. Investigations on the Theory of the Brownian Movement. 1956; Daniel Thomas Gillespie, Effrosyni Seitaridou, Simple Brownian Diffusion: An Introduction to the Standard ..., 2012, p. 54.
371. **EUCLID; Dana DENSMORE** (ed.). *Euclid's Elements all thirteen books complete in one volume. The Thomas L. Heath Translation.* Santa Fe, NM: Green Lion Press, 2002. 8vo. xxix, 499 pp. Diags. Color printed wrappers. Small ink annotation to ffep. Very good. ISBN: 1888009195 [BH] \$ 20
372. **EVANS, Griffith Conrad.** *The Logarithmic Potential discontinuous Dirichlet and Neumann problems.* New York: American Mathematical Society, 1927. Series: American Mathematical Society Colloquium pub., vol. VI. 8vo. viii, 150 pp. Index. Navy blue gilt-stamped cloth. Near fine. [HL] \$ 20
373. **EVES, Howard** (1911-2004). *An Introduction to the History of Mathematics.* New York: Rinehart & Co., (1959). Sixth printing. 8vo. xv, 422 pp. Figs., index; some underlining of passages, writing on blank leaf at end. Green white-stamped cloth; heavily rubbed. Ink ownership signature of Mrs. L. Silney. Good. [BH] \$ 5
374. **EVES, Howard** (1911-2004). *An Introduction to the History of Mathematics. Fifth edition.* Philadelphia: Saunders College Publ., 1983). 8vo. xviii, 593 pp. Illus. figs., index; occasional red ink marginalia. Turquoise silver-stamped cloth; rubbed. Good. [BH] \$ 5
375. **FARA, Amelio; Paola PIROLA; Isabella TRUCI** (eds.), *Trattati di Architettura Militare 1521-1807.* Florence: Edizioni Polistampa, 2002. 8vo. 32 pp. Illus., figs., 8 plates. Printed wrappers. Fine. Beautiful exhibition catalogue on the greatest military fortifications ever designed and published in Italy. Held at the Biblioteca Nazionale Centrale di Firenze. Scarce. [BH] \$ 25
376. **FAUVEL, John; Jeremy GRAY** (eds.). *The History of Mathematics; A Reader.* London: Macmillan Press, (1988). Reprinted. Sm. 4to. xxiv, 628 pp. Illus. figs., index. Printed wrappers. Ink ownership signature of Barnabas Hughes (title). Very good. ISBN: 0333427912 / 0-333-42791-2 [BH] \$ 5



377. **FARADAY, Michael** (1791-1867). *Faraday's diary; being the various philosophical notes of experimental investigation made by Michael Faraday, during the years 1820-1862 and bequeathed by him to the Royal Institution of Great Britain. With a foreword by Sir William H. Bragg.* London: G. Bell and Sons, Ltd., 1932-36. 8 volumes. Large 8vo. Photogravure frontispieces, plates, small marginal sketches are reproduced from Faraday's diary throughout, with the separate index volume. Occasional pencil marginalia. Blue gilt-stamped cloth, bluish-gray printed dust-jackets; all jackets well-worn at extremities. The books are in very good condition and the jackets have served to protect the books. Overall very good. L. Pearce Williams' copy.

\$ 1,650

The original manuscript diary has been in the possession of the Royal Society, here published in their entirety for the first and only time. Faraday's private writings show a great deal of his thought and approach to experimental science. Bragg described Faraday as "one of the greatest of all experimental philosophers" leading to support the importance of this work.

☼ See: Alan Hirshfeld, *The Electric Life of Michael Faraday*. 2006; James Hamilton, *A Life of Discovery: Michael Faraday, Giant of the Scientific Revolution*. 2002.

378. **FERMI, Enrico** (1901-1954). *Collected Papers (note e memorie). Volume I: Italy 1921-1938.* Chicago: University of Chicago Press, (1971). Third printing. Large 8vo. XLII, 1043 pp. Illus. Red gilt-stamped cloth. Fine. [HL] \$ 30

379. **FERMI, Enrico** (1901-1954). *Thermodynamics.* New York: Prentice Hall, 1937. 8vo. x, 160 pp. 22 figures, many diagrams, index. Original gilt-stamped blue cloth. Near fine. Ex-library copy (Inst. for the History & Philosophy of Science & Technology, Univ. of Toronto); signature of John W. Abrams (UC Berkeley, Students Observatory). Remarkably clean copy.

\$ 100

First Edition. Enrico Fermi received the Nobel Prize, Physics, 1938, "for his demonstrations of the existence of new radioactive elements produced by neutron irradiation, and for his related discovery of nuclear reactions brought about by slow neutrons."

Provenance: John Werner Abrams (1913-1981), born in San Francisco, took his degree in astronomy and astrophysics at Berkeley, graduating cum laude. His studied in Europe and Harvard before taking his PhD at Berkeley in 1939. "A long-time member of SHOT, who served on ... Advisory and Executive Councils, Abrams enjoyed a varied and distinguished career." He died in Toronto. See: Bruce Sinclair, John W. Abrams (1913-1981), *Technology and Culture*, vol. 23, No. 3 (Jul., 1982), pp. 527-530.

380. **FEYNMAN, Richard P.** *Classic Feynman : All the Adventures of a Curious Character.* Edited by Ralph Leighton. Scranton, Pennsylvania: W.W. Norton, 2005. 8vo. x, 511 pp. Illus. Cloth, dust-jacket. Very good +. Includes the CD. ISBN: 0393061329 / 0-393-06132-9 \$ 10

381. **[FEYNMAN]** *Special Issue: Richard Feynman.* [College Park?]: Physics Today, February 1989. Series: *Physics Today*, vol. 42, no 2. 4to. 152 pp. Illus. Printed wrappers. Fine.

\$ 30

Contains articles by John A. Wheeler, Freeman J. Dyson, Julian Schwinger, Murray Gell-Mann, James D. Bjorken, Donald Pines, David L. Goodstein, W. Daniel Hillis, and Valentine L. Telegdi.

382. **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.  
\$ 1,875
- 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 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.  
S10252
383. **FEYNMAN, Richard P.** *Lectures on Gravitation. 1962-63. Lecture notes by Fernando B. Morinigo and William G. Wagner.* Pasadena: California Institute of Technology, 1971. 4to. Approx. 154 ff. Punch-holed binder. Complete. Original copy in the original form (subsequently re-issued). Quite rare.  
\$ 175
384. **FIBONACCI; Laurence E. SIGLER** (d.1997), trans. *Fibonacci's Liber Abaci: A Translation into Modern English of Leonardo Pisano's Book of Calculation.* New York ...: Springer, (2002). Series: Sources and Studies in the History of Mathematics and Physical Sciences. 8vo. viii, 636, [2] pp. Diagrams. Occasional yellow highlighting; printing error p. 284 is a repeat of p. 224 (save for page number) with a photocopy replacement page form another source. Yellow printed boards. Ownership signature of Barnabas Hughes. Mounted notice on front pastedown that gives a partial obituary of Sigler. In it there is a tale that he had passed away and his widow submitted this manuscript for publication and waited and waited for a response – none came and she was tempted to pull the submission, "She was reluctant, fearing that the new publisher would ask for corrections she knew nothing about, as she was corresponding with the publishers as if she were Larry. She was concerned the book wouldn't see publication if the editors knew Larry had died..." Fibonacci's book was written in 1202 and this edition was the first English translation 800 years later. ISBN: 0387954198 [BH]  
\$ 40

385. **[FIBONACCI] Keith DEVLIN.** *The Man of Numbers; Fibonacci's Arithmetic Revolution.* New York: Walker, (2011). Sm. 8vo. viii, 183 pp. 8 plates (mostly in color), index. Red boards, dust-jacket. INSCRIBED BY THE AUTHOR on title-page. Fine. ISBN: 9780802778123 [BH] \$ 23

386. **FICHTENAU, Heinrich.** *Heretics and Scholars in the High Middle Ages 1000-1200.* University Park: Pennsylvania State University Press, (1998). 8vo. viii, 403 pp. Index. Printed wrappers. Ink ownership signature of David C. Lindberg. Fine.

\$ 22

“The struggle over fundamental issues erupted with great fury in the eleventh and twelfth centuries. In this book preeminent medievalist Heinrich Fichtenau turns his attention to a new attitude that emerged was exhibited both in the rise of heresy in the general population and in the self-confident rationality of the nascent schools. With his characteristic learning and insight, Fichtenau shows how these two separate intellectual phenomena contributed to a medieval world that was never quite as uniform as might appear from our modern perspective.” ISBN: 0271020466 / 0-271-02046-6

387. **FICIN, Marsile** (1433-1499); **Raymond MARCEL** (1897-1981). *Théologie Platonicienne de l'immortalité des âmes* [par] Marsile Ficin. Texte critique établi et traduit par Raymond Marcel. Paris: Société d'édition “Les Belles Lettres,” 1964- 1970. Three volumes. 8vo. 338; 300; 396 pp. Frontispieces, index. Original printed wrappers. Fine set.

\$ 350

Ficin, of Florence, is one of the most influential humanist philosophers of the early Italian Renaissance. He headed the Platonic Academy of Florence, founded by Cosimo de Medici in 1459, and had for disciples and colleagues Giovanni Pico della Mirandola, Angelo Poliziano and Jerome Benivieni. Familiar with the writings of Aristotle, he also translated or commented the works of Plato. His writings of philosophy, metaphysics, religion and aesthetics, became influential in his time. The translator, Marcel Raymond, was a Swiss literary critic who specialized in French literature (especially an-Jacques Rousseau). He is generally grouped with the so-called ‘Geneva School’. “In all of his work on French poetry and on ... Rousseau, the fundamental principle of Raymond's approach was a focus on the ways literature comes out of a contemplative discovery of the self within the world.” [Wikipedia].

388. **FIELD, Arthur.** *The Origins of the Platonic Academy of Florence.* Princeton: Princeton University Press, (1988). 8vo. xvi, 302 pp. Index. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Fine. ISBN: 0691055335 / 0-691-05533-5 \$ 75

389. **FIELD, J.V., & Frank A.J.L. JAMES** (editors). *Renaissance and Revolution; Humanists, scholars, craftsmen and natural philosophers in early modern Europe.* Cambridge: Cambridge University Press, 1993. 8vo. xv, 291 pp. Figs., index. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Fine.

\$ 50

Contributors include Vivian Nutton, “Greek Science in the sixteenth-century Renaissance,” William Eamon, “With the rules of life and an enema: Leonardo Fioavanti's medical primitivism,” Harold J. Cook, “The cutting edge of a revolution? Medicine and natural history near the shores of the North Sea,” Richard Westfall, “Science and technology during the Scientific Revolution...” J.V. Field, “Mathematics and the craft of painting: Piero della Francesca and perspective,” Mary G. Winkler & Albert Van Helden, “Johannes Hevelius and the visual language of

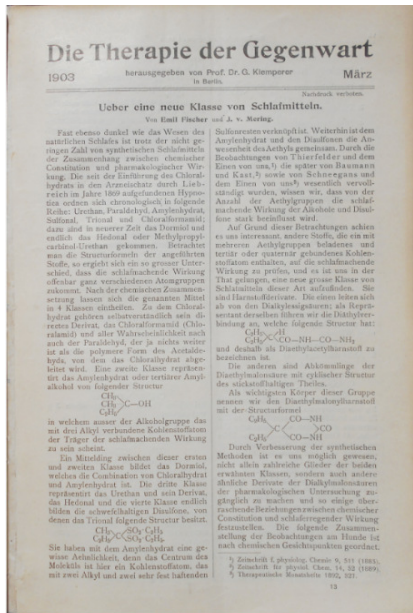
astronomy,” Frances Willmoth, “Mathematical sciences and military technology: the Ordnance Office in the reign of Charles II,” Alan Gabbey, “Between *ars* and *philosophia naturalis*: reflections on the historiography of early modern mechanics,” A. Rupert Hall, “Retrospection on the Scientific Revolution,” Michael Hunter, “The conscience of Robert Boyle: functionalism, ‘dysfunctionalism’ and the task of historical understanding,” R.W. Home, “Newton’s subtle matter: the *Opticks* queries and the mechanical philosophy,” Gad Freudenthal, “Clandestine Stoic concepts in mechanical philosophy: the problem of electrical attraction,” Karin Figala & Ulrich Petzold, “Alchemy in the Newtonian circle: personal acquaintances and the problem of the late phase of Isaac Newton’s alchemy,” and Paolo Casini, “The reception of Newton’s *Opticks* in Italy,” et al. ISBN: 0521434270 / 0-521-43427-0

390. [FINÉ, Oronce] **Richard Peter ROSS**. *Studies on Oronce Finé (1494-1555)*. Ann Arbor: University Microfilms, [no date]. Facsimile in photocopy of: New York: Columbia University, 1971. Dissertation. 8vo. 469 pp. Figs. Blue wrappers. Ink ownership signature of David C. Lindberg. Very good. \$ 25
391. **FISH, Daniel W.** (ed.). *The Progressive Higher Arithmetic, for Schools, Academies, and Mercantile Colleges. Forming a complete treatise on arithmetical science, and its commercial and business applications*. New York & Chicago: Ivison, Blakeman, Taylor, 1876. 12mo. x, 11-456 pp. Original quarter black calf-backed black blind-stamped cloth, gilt spine; joints and extremities worn. Ex-library rubber stamps of the Franciscan Convent, Santa Barbara. Good. [BH] \$ 4
392. **FISHER, Alexander Metcalf (1794-1822)** [James L. KINGSLEY. *An Eulogy on Alexander Metcalf Fisher, A.M. Professor of Mathematics and Natural Philosophy, in Yale College, Who Perished in the Wreck of the Albion, April 22nd, 1822. Delivered in the College Chapel, June 26, 1822*. New Haven: the Journal Office, 1822. Small 4to. 23 pp. Disbound; minor stain on title. Good+. Z1848 \$ 10

*Nobel Prize in Chemistry in 1902*

393. **FISCHER, Herman Emil (1852-1919)** & **Joseph von MERING (1849-1908)**. *Ueber eine neue Klasse von Schlafmitteln*. Contained in: *Die Therapie der Gegendwart*, pp. [97]-101. March 1903. Berlin & Vienna: Urban & Schwarzenberg, 1903. 4to. (265 x 177 mm) pp. [97]-144. Modern black cloth boards, gilt-stamped spine title. Bookplate of Andras Gedeon. Fine. \$ 550

FIRST PRINTING of the discovery of diethyl barbituric acid. Fischer received the Nobel Prize in Chemistry in 1902. “Berlin chemist Emil Fischer and Joseph von Mering synthesized diethyl barbituric acid or barbitalone (Veronal) in 1902. They described their discovery in “Ueber eine neue Klasse von Schlafmitteln”, Therapie Gegenwart 44:97-101, 1903.



The parent compound, barbituric acid, was first synthesised by Adolf von Baeyer in 1864, but barbituric acid is not itself pharmacologically active. Fischer and von Mering soon realised that their new drug was a sedative. Veronal represented a huge improvement on the medley of existing agents. It didn't taste unpleasant. It had few adverse side effects. Unlike foul-tasting potassium bromide, Veronal acted at therapeutic levels far beneath the toxic dose. Some 2,500 barbiturates were synthesized over the next century. More than fifty have been marketed as sedatives. In 1912, phenobarbital was introduced under the brand-name Luminol. From 1912 until around 1960 barbiturates were the mainstay of pharmacological treatments of anxiety and insomnia. The development of soluble barbiturates suitable for use as intravenous anaesthetics still lay in the future." [BLTC Research, UK].

☼ Cole, *Milestones of Anesthesia*, 29; Garrison & Morton 1892; Gedeon, *Science and technology in medicine*, pp. 372-5. S9484

394. **FISHER, George P.** *Life of Benjamin Silliman, M.D., LL.D. Chiefly from His Manuscript Reminiscences, Diaries, and Correspondence. In Two Volumes.* New York: Charles Scribner, 1866. First edition. 8vo. xvi, 407; ix, 408, ads. [4] pp. Steel engraved frontis. port. of Silliman with facsimile autograph and tissue guard (Vol. I), woodcut frontis. (Vol. II), index. Rebacked brown cloth preserving original spine titles. Former library copy with the usual markings and defects, including heavily stamped titles. Very good. Z1240 \$ 65

395. **FLINT, Valerie I.J.** *The Rise of Magic in Early Medieval Europe.* Princeton: Princeton University Press, (1991). 8vo. xii, 452 pp. Index. Cloth, dust-jacket. Fine. \$ 16

This book "is concerned with folk religion (magic) and the effort of the Early Medieval church to discriminate between the destructive and benign traditions of this ancient order." ISBN: 0691031657 / 0-691-03165-7

396. **FLAMMARION, Camille** (1842-1925). *Les Etoiles et les Curiosités du Ciel; description complète du ciel visible à l'œil nu et de tous les objets célestes faciles à observer, supplément de l'astronomie populaire.* Paris: C. Marpon et E. Flammarion, [1882]. Large 8vo. [vi], 792 pp. Frontis. portrait, 400 beautiful figures; foxed throughout. Contemporary gilt stamped quarter maroon morocco over marbled boards, raised bands, decorative endpapers. Near fine. \$ 125

This is a supplemental volume to the author's 1879 "Popular Astronomy" text, an instant best-seller of its day. Many editions were printed and it was also translated. The text is concerned with the stars and heavens, primarily the constellations and zodiac.

Nicolas Camille Flammarion (1842 — 1925) was a French astronomer and author, a grand popularizer of astronomy. He was a prolific author of more than fifty titles, including popular science works about astronomy, several notable early science fiction novels, and several works about Spiritualism, the occult, psychic phenomena, etc. He wrote of life on both the Moon and Mars. "Flammarion also believed in "metempsychosis": the transmigration of souls. In his *Tales of the Infinite* (1872) he described how a spirit might re-incarnate in different forms on other worlds." He also published the magazine *L'Astronomie*, starting in 1882. He maintained a private observatory at Juvisy-sur-Orge, France.

“Flammarion earned the amorous attention of a French countess who died prematurely of tuberculosis. Although they never met, the young woman made an unusual request to her doctor, that when she died he would cut a large piece of skin from her back, bring it to Flammarion, and ask that he have it tanned and used to bind a copy of his next book. (The woman also had a picture of Flammarion tattooed on herself!) Flammarion’s first copy of *Terres du Ciel* was bound thus, with an inscription in gold on the front cover: ‘Pious fulfillment of an anonymous wish/ Binding in human skin (woman) 1882.’” – This is not that copy!

Michael J. Crowe writes that Flammarion’s *Popular Astronomy* was claimed by its translator, J.E. Gore, to be printed in one hundred thousand copies, probably the most popularly sold scientific book up to its time. Thus it was responsible from a wide increasing interest in astronomy. An entire chapter was devoted to life on the Moon. And by such writing Flammarion is accurately described as “enthusiastic and imaginative to a fault.” Crowe, *Extraterrestrial Life Debate, 1750-1900*, (1999), p.386.

397. **FOLGER, Walter] William MITCHEL.** “A Brief Memoir of the Late Walter Folger, of Nantucket.” [No place given]: (1932). Reprint of the 1855 Providence offprint. (225 x 145 mm). 9 pp. Printed wrappers. Rubber stamp on front cover. Fine. RARE. Z1849 \$ 20
398. **FONTENELLE, Bernard le Bovier de.** *Conversations on the Plurality of Worlds.* Translation by H.A. Hargreaves. Berkeley: University of California Press, (1990). 8vo. xlix, 82 pp. Printed wrappers. Fine. “The book itself is presented as a series of conversations between a gallant philosopher and a marquise, who walk in the latter’s garden at night and gaze at stars. The philosopher explains the heliocentric model and also muses on the possibility of extraterrestrial life. Fontenelle’s work was not cast polemically against the world views of either the Catholic Church or the protestant churches, nor did it attract the attention, positive or negative, of theologians or prelates.” [Wikipedia] ISBN: 0520071719 \$ 18
399. [**FONTENELLE, Bernard le Bovier de** (1657-1757)] **Leonard Mendes MARSAK.** *Bernard de Fontenelle: The Idea of Science in the French Enlightenment.* Philadelphia: American Philosophical Society, 1959. Series: Transactions of the APS, New Series, Vol. 49, Part 7, 1959. 4to. 64, [2] pp. Original printed wrappers; bottom corner slightly bunched, else near fine. Z1245 \$ 15
400. **FORNI, Jules** (1838-1901). *L’Astronome Bouvard discours prononce à l’ouverture de l’assemblée générale du 12 décembre 1886.* Chambéry, 1888. Photographic facsimile of the rare 1888 printing. 8vo. 58 ff. Maroon library buckram. Very good. \$ 10
401. **FRANCI, Raffaella, Paolo PAGLI & Laura TOTI RIGATELLI** (eds.). *Itinera Mathematica Studi in onore di Gino Arrighi per il suo 90o compleanno.* Siena: Università degli Studi di Siena, 1996. 8vo. [vi], 429, [3] pp. Figs. Printed wrappers. Very good. Scarce. [BH] \$ 30
402. **FRÅNGSMYR, Tore** (editor). *Science in Sweden; The Royal Swedish Academy of Sciences 1739-1989.* (Canton): Science History Pubs., 1989. 8vo. viii, 291 pp. Illus., index. Cloth, dust-jacket. Fine. ISBN: 0881350923 / 0-88135-092-3 \$ 12.95

403. **FOURIER, Jean-Baptiste-Joseph** (1768-1830). *Oeuvres de Fourier. Publiées par les soins de M. Gaston Darboux, sous les auspices du Ministère de l'instruction publique. Tome premier: Théorie analytique de la chaleur. [Tome second: Mémoires publiés dans Divers recueils]*. Paris: Gauthier-Villars et fils, 1888, 1890. 2 volumes. 4to. XXVIII, 563; XII, (4), 636 pp. Frontispiece portrait engraving of Fourier (imp. Chardon Wittmann), errata, figs. Contemporary half light-brown morocco, decorative marbled paper over boards, five raised bands accented with double lines in dark brown (or black?), gilt spine titles; rubbed, covers painted for aesthetics. Very good.

§ 750

First edition. Includes a bibliographic listing of the author's works. "The first volume contains Fourier's *Théorie analytique de la chaleur* with a separate title-page, reproducing that of the first edition of 1822. This work enormously influential in both pure and applied mathematics, more so, perhaps than any other important work in theoretical physics before or after up to the present day. His manner of dealing with a succession of increasingly complex problems based on the heat propagation equation yielded a harvest of original mathematical discoveries and techniques which laid the foundation for further work in both pure and applied mathematics and in theoretical physics. The second volume contains Fourier's memoirs published in the *Mémoires* of the Academy, in the *Bulletins de la Société philomatique* and in the *Annales de Chimie et de physique*." – *Bibliotheca mathematica*, p. 119; DSB, V, pp. 93-99.

Fourier (1768-1830) "studied the mathematical theory of heat conduction. He established the partial differential equation governing heat diffusion and solved it by using infinite series of trigonometric functions." The editor, Jean Gaston Darboux (1842-1917), French mathematician, made contributions to differential geometry and mathematical analysis, is known for his biography of Poincaré and this selected works of Fourier. He was elected to the Royal Society in 1902.

404. **FRANKLIN, Benjamin**. *Des Herrn Benjamin Franklins Esq. Briefe von der Electricität. Aus dem Engländischen Übersetzt Nebst Anmerkungen von J. C. Wilcke*. Leipzig: Gottfried Kiesewetter, 1758. 8vo. [26], 354 pp. Engraved frontis. , engraved title vignette, engraved initials, engraved head & tail pieces; foxed. Original red leather spine, boards, early ms. on spine; extremities rubbed. Early bookplates of Albert Friedrich May, & Lt. Col. May. Very good. RARE.

§ 2,000

FIRST GERMAN EDITION. "Franklin's most important scientific publication." – Norman 830 (first English edition). A vital work that represents a historic publication in the literature of electricity. "The most dramatic result of Franklin's researches was the proof that lightning is really an electrical phenomenon. " *Printing and the Mind of Man* 199 (1st ed. , 1751). There are two known states of the first German edition: with an erratum on p. 354, and without. This copy does not have the erratum. This edition not in BM Readex; Norman; Poggendorff; Brunet; Lowndes. S8278

405. **FRANKLAND, Percy, & Mrs. Percy FRANKLAND**. *Micro-Organisms in Water; their significance, identification and removal. Together with an account of the bacteriological methods employed in their investigation. Specially designed for the use of those connected with the sanitary aspects of water-supply*. London and New York: Longmans, Green, 1894. 8vo. xi, 532,

ads. 24 pp. 28 figures, 2 plates, index. Olive green blind and gilt-stamped cloth; corners showing, small defect to back hinge. Bookplate. Very good.

\$ 65

FIRST EDITION. "Frankland was one of the early English workers on bacteriology and made many valuable contributions on the bacteria of water supplies, bacterial filtration, and sewage treatment." – Bulloch, *History of Bacteriology*, p. 367. This led to monthly examinations of London's water supplies inaugurated in 1885.

406. [FRANKLIN, Benjamin] John TROWBRIDGE. "Franklin as a Scientist." Offprint from: *Publications of the Colonial Society of Massachusetts*, Vol. XVIII. Cambridge: University Press, 1917. (250 x 175 mm). 12 pp. Printed wrappers; wrapper edges chipped. Very good. Z1850 \$ 8



Joseph von Fraunhofer demonstrating the spectroscope

407. **FRAUNHOFER, Joseph** (1787-1826). "Kurzer Bericht von den Resultaten neuerer Versuche über die Gesetze des Lichtes, und die Theorie der selben." Extract: *Gilberts Annalen der Physik*, Vol. 74, No. 4, pp. [337]-378, 1823. [Halle: *Annalen der Physik*, 1823]. 8vo. (197 x 112 mm). pp. [337]-378. Later plain wrappers. Housed in a modern quarter calf clamshell box. Ink inscription, bookplate of Andras Gedeon. INSCRIBED BY THE AUTHOR on inside cover. Fine.

\$ 1500

FIRST EDITION. "In the paper prepared in 1823, Fraunhofer revealed his continued investigation of diffraction gratings... his earlier observations of the dark lines in the solar spectrum enabled him to make the highly precise measurements of dispersion: then his use of the wave theory of light allowed him to derive, with suitable simplifications, the general formulation of the grating equation still in use today." [Reese V. Jenkins in *DSB*].

The grating equation was used by Fraunhofer, and today the Fraunhofer diffraction



is named for him. "In 1821, unaware of the earlier American report, Joseph von Fraunhofer began his work on diffraction gratings. His research was given impetus by his insight into the value that grating dispersion could have for the new science of spectroscopy. Fraunhofer's persistence resulted in gratings of sufficient quality to enable him to measure the absorption lines of the solar spectrum. He also derived the equations that govern the dispersive behavior of gratings. Fraunhofer was interested only in making gratings for his own experiments, and upon his death, his equipment disappeared." – Christopher Palmer, *Diffraction Grating Handbook*, fifth edition.

PROVENANCE: From the library of Baron Karl Ehrenbart von Moll (1760-1838) with an inscription inside front wrapper stating that this was a gift of the author. From the Andras Gedeon collection on the history of Science & Medicine.

Baron Karl Ehrenbart [or Ehrenbert] von Moll (1760-1838), Austrian naturalist and statesman, served as Chancellor of the Exchequer of the Electorate of Salzburg from 1790 to 1804. "He then retired from public life, and devoted his leisure to scientific pursuits at Munich and later at Augsburg. His library and natural history collections were purchased in 1815 [by the British Museum]; many minerals of great scarcity and beauty, especially from Salzburg and the Tyrol, were thus added to the collection." – See: British Museum (Natural History), *The History of the Collections Contained in the Natural History ...*, Volume 1, p. 433.

This pamphlet comes from the Andras Gedeon collection. Gedeon compiled and wrote a history of instrumentation for science, medicine and technology, building a book collection supporting these interests and resulting in a bibliographical-historical narrative that was published by Springer in 2006.

See: Bernard Cohen, Henry Crew, *Joseph von Fraunhofer*, De Witt Bristol Brace. *The Wave theory, light and spectra*. Ayer, 1981. *Joseph von Fraunhofer – His Life, His Legacy*. A Fraunhofer Society publication.

✂ DSB Vol. V, p. 143; Myles W. Jackson, *Spectrum of Belief: Joseph Von Fraunhofer and the Craft of Precision Optics*, (2000). S10006

408. **FREEMAN, Richard Broke** (1915-1986). *British Natural History Books, 1495-1900: A Handlist*. (Kent & Hamden): Dawson & Archon Books, (1980). FIRST EDITION. 8vo. 437 pp. Index. Green cloth, gilt-stamped cover and spine titles. Fine. Over 4200 author, short title, condensed collation citations. ISBN: 0712909710; 0208017900 Z1251 \$ 30
409. **FRENKEL, Jacov. [Yakov Ilyich]** (1894-1952). *Wave Mechanics; Advanced General Theory*. Oxford: Clarendon Press, 1934. Series: *The International Series of Monographs on Physics*. First edition. Thick 8vo. viii, 524, [2] pp. Navy gilt-stamped cloth; foot of spine gnawed and with old cellophane tape over the scarring. Title ink signature of Harold Levine, 1941. See: DSB, V, pp. 160-161. Frenkel was issued in 1932 his work on *Wave Mechanics; Elementary Theory*. Internally very good, but noting damage to spine. [HL] \$ 20

410. **FREUDENTHAL, Gideon.** *Atom and Individual in the Age of Newton; On the Genesis of the Mechanistic World View.* Dordrecht, Boston: D. Reidel, (1986). Series: Boston studies in the philosophy of science, v. 88. 8vo. xv, 276 pp. Index. Cloth, dust-jacket; jacket cover a bit torn. Ink ownership signature of David C. Lindberg. Very good. \$ 100  
FIRST EDITION in English, previously issued in German, 1982 as *Atom und Individuum im Zeitalter Newtons*. "This study of Newtonian natural philosophy is such an exceptionally important contribution to the literature of the history and philosophy of science... [This] is a work of fundamental importance, for it deftly reframes two of the longest-running and most critical debates in the literature: the first, whether and how the rise of science in the seventeenth century was related to the raging social, religious, political, and economic battles with which it occupied the stage in early modern Europe; the second, whether a socially defined science becomes relativistic, its substance determined merely by convention. ..." David Kubrin, the reviewer, points out there were problems with the translation and a lot of typos in the text, but still confirms the importance of the work. ISBN: 9027719055
411. **[FRIEDERICHSEN, Ludwig Friedrich Wilhelm Sophus (1841-1915)] Johann Adolf REPSOLD (1838-1919).** *Ludwig Friederichsen: Ein Bild Seines Lebens.* Hamburg: Geographische Gesellschaft in Hamburg, 1916. 8vo. 83 pp. Photogravure frontis. port. of Friederichsen. Brown cloth, gilt-stamped cover title; spine faded, partial separation of the frontis. (neatly mended). Previous owner's bookplate. Very good. Z1254 \$ 9
412. **FRIEDLÄNDER, Raphael** et fils. *Catalogue d'Une Collection Précieuse de Livres Mathématiques et Astronomiques... Beilage zu No. 837 and No. 838. Der Astronomischen Nachrichten.* [Berlin]: R. Friedländer et fils, 1853. Two Supplements. 4to. Columns 349-364; 381-420. 4 loosely folded and unopened sheets, as issued to subscribers. Z1561 \$ 20
413. **FRIEDLÄNDER, Raphael.** *Eilftes Bücherverzeichniss... Mathematik, Astronomie, Physik, Chemie.* Berlin: Eduard Krause, n.d. [ca. 1850]. Small 4to. (46)-72 pp. Self-wraps. Friedländer's 11th bookselling catalogue. Very good. Z1255 \$ 20
414. **FRIEDLÄNDER, Raphael.** *Sechs und Zwanzigstes Bücherverzeichniss... Mathematik und Astronomie.* Berlin: Trowitsch und Sohn, n.d. [1850]. 8vo. 26 pp. Self wraps. Friedländer's 26th bookselling catalogue. Very good. Z1256 \$ 20
415. **FRORIEP, August (1849-1917).** [8 offprints]. 1883-1902. 8vo. 29 figs., 12 plates (7 folding, 7 lithographic (2 chromo-), 5 photographic). Quarter morocco, cloth sides, morocco corners, gilt spine; heavily worn. Ownership signatures and rubber stamps of Wilhelm Pflzner. 1 item SIGNED BY THE AUTHOR. Ex library rubber stamps of the University of Glasgow, Anatomical Dept. Very good. UNIQUE COLLECTION.

\$ 295

FIRST SEPARATE EDITIONS of a series of important embryological papers by August Froriep, professor of Anatomy and Director of the Anatomical Anstalt in Tübingen.

PROVENANCE: Wilhelm Pflzner, of Strassburg, was professor of topographical anatomy and Prosektor at the Anatomical Institut in Strassburg. Pagel, Biographisches lexicon, p. 1290. S6938

416. **FRIEDLÄNDER, Raphael.** 305. *Bücher-Verzeichniss von R. Friedländer & Sohn. Astronomie. Geodäsie.* Berlin: Calstrasse, 1880. 8vo. 42 pp. Pages extracted from a bound volume and re-stapled. Fair. Z1257 \$ 15
417. **FROST, Edwin Brant** (1866-1935). *An Astronomer's Life. With Illustrations.* Boston and New York & Cambridge: Houghton Mifflin Company & the Riverside Press, 1933. 8vo. x, (xi), 300 pp. Frontis. port. of Frost with facsimile autograph, 7 plates, index. Tan cloth, maroon stamped cover and spine titles; cloth speckled, foxing. Previous owner's inked signature on front pastedown. Some very minor pen marks. Very good. Z1258 \$ 14
418. **FRUTON, Joseph S.** *A Bio-Bibliography for the History of the Biochemical Sciences since 1800.* [with:] *A Supplement to a Bio-Bibliography for the History of the Biochemical Sciences since 1800.* Philadelphia: American Philosophical Society, 1982-1985. Two works. FIRST EDITION. 8vo. xiii, 885; vii, 262 pp. Orange cloth, black stamped cover and spine titles. Fine. Seldom are these volumes found together on the market. ISBN: 0871699834; 087169980X Z1259 \$ 75
419. **G.E. Stechert & Co.** *Catalogue of Books, New and Second Hand, on Mathematics, Astronomy and Meteorology.* New Series XLVIII. New York, et al.: G.E. Stechert & Alfred Hafner, 1922. 8vo. 89 pp. Printed wrappers; covers a bit water-stained, spine slightly worn, front cover starting. Very good. Rare. Z1269 \$ 18
420. **[Galapagos Islands] California Academy of Sciences.** *Galapagos Islands; a unique area for scientific investigations; a symposium presented at the Tenth Pacific Science Congress of the Pacific Science Association, held at the University of Hawaii, Honolulu, Hawaii, U.S.A., 21 August to 6 September 1961.* San Francisco: California Academy of Sciences, 1963. Series: Occasional Papers of the California Academy of Sciences, no. 44, Nov. 8, 1963. 8vo. 154 pp. Frontis., 50 figs. Original printed wrappers. Very good. Contains 10 articles, among them: Robert I. Bowman, "Evolutionary Patters in Darwin's Finches." \$ 22
421. **GALILEO GALILEI.** *Sidereus Nuncius of the Sidereal Messenger. Translated with introduction, conclusion, and notes by Albert Van Helden.* Chicago & London: University of Chicago Press, (1989). Sm. 8vo. xii, 127 pp. Figs., index. Printed wrappers. Very good. Ink ownership signature of David C. Lindberg. ISBN: 0226279030 \$ 10
422. **GALILEO GALILEI & Biblioteca Nazionale Centrale di Firenze.** *Tractatio de Praecognitionibus et Praecognitis; and, Tractatio de Demonstratione. Transcribed from the Latin autograph by William F. Edwards; with an introduction, notes, and commentary by William A. Wallace.* Padova: Editrice Antenore, 1988. Series: *Saggi e testi (Università di Padova. Centro per la Storia Della Tradizione Aristotelica nel Veneto)*, 22. 8vo. lxxxix, 329 pp. Printed wrappers; corners bumped. INSCRIBED BY WALLACE (the author) to DAVID C. LINDBERG. Very good +. \$ 75
423. **[GALILEO GALILEI] James BRODRICK, S.J.** *Galileo: The Man, his Work, his Misfortunes.* London: Catholic Book Club, (1964). Sm. 8vo. 152 pp. Figs., index. Cloth, dust-jacket. Very good. \$ 5
424. **[GALILEO GALILEI] Michael J. CROWE** [comp.]. *Guide to the Book Exhibit for the International Galileo Congress. April 9-11, 1964 at the University of Notre Dame Memorial Library.* Notre Dame, IN: University of Notre Dame, 1964. 8vo. 23 pp. Printed wrappers. Near fine. Z1261 \$ 25

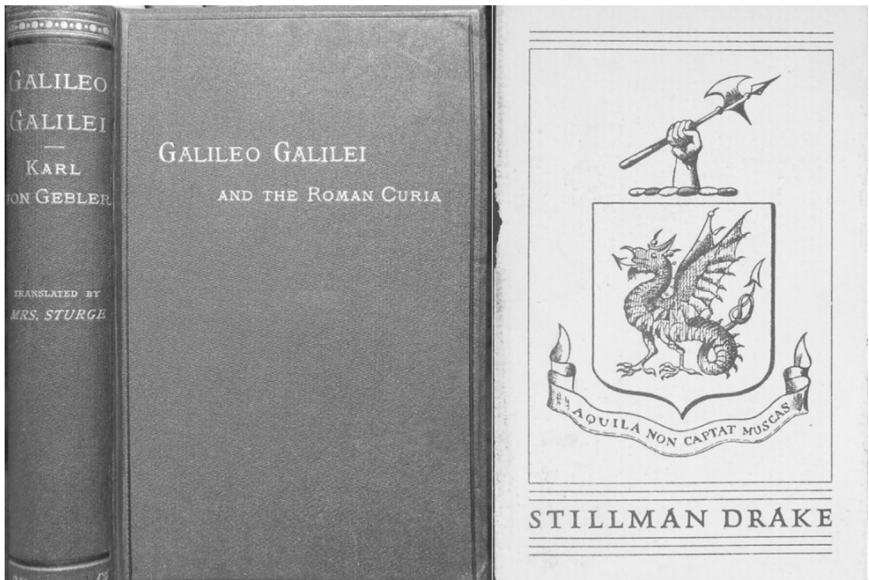
425. **[GALILEO GALILEI] R. Lier & Company.** *Unique Collection of Editiones Principes of Works of Galileo Galilei.* Firenze: R. Lier, (n.d.). 8vo. 24, index [1] pp. Engraved frontis. port. of Galileo, 4 plates, illustrations, index (table of contents); frontis. in loose. Rebound with quarter black cloth and patterned paper boards by the previous owner; extremities a bit worn. Bookplate of Dr. Arthur W. Weyssse. Very good. Twenty rare items listed for sale, with pricing. Front side of original mailing envelope to Dr. Weyssse tipped in onto rear free endpaper. Z1264 \$ 30
426. **[GALILEO GALILEI] Ludovico GEYMONAT.** *Galileo Galilei; A biography and inquiry into his philosophy of science.* Foreword by ... *Giorgio de Santillana.* Text translated from the Italian with additional notes and appendix by *Stillman Drake.* New York: McGraw-Hill, (1965). 8vo. xii, 260 pp. Index. Cloth, dust-jacket; jacket extremities worn. Book is in very good condition. Scarce. \$ 37
427. **[GALILEO GALILEI]; Peter E. HODGSON.** *Galileo the Scientist. [Galileo and the Renaissance; Galileo the Physicist; Galileo the Astronomer].* [with]: *Galileo the Theologian.* Oxford: Corpus Christi College, 2002, 2003. Two offprints. 8vo. 14, 16, 16; 16 pp. Printed wrappers. Fine. \$ 20
428. **[GALILEO GALILEI] Morton F. KAPLAN** [ed.]. *Homage to Galileo; Papers Presented at the Galileo Quadricentennial, University of Rochester, October 8 and 9, 1964.* Cambridge: MIT Press, (1965). 8vo. xii, 139 pp. Index. Cloth, dust-jacket; jacket extremities worn. Very good. \$ 10
429. **[GALILEO GALILEI] Eugene LAWRENCE.** "Galileo and the Papal Infallibility." [Offprint from]: *Harper's New Monthly Magazine*, Vol. XLIX, No. 291. New York: Harper & Brothers, 1874. (240 x 160 mm). 417-430 pp. Paper wrappers. Fine. Z1853 \$ 10
430. **[GALILEO GALILEI] Karl VON GEBLER** (1850-1878). *Galileo Galilei und die römische Curie: nach den authentischen Quellen.* Stuttgart: J.G. Cotta, 1876. 3 parts in one volume. 8vo. xiii, [1], 433 pp. Original maroon cloth; lacks spine and split. Ownership signature of Edward L. Nichols, 1878. As is. \$ 45

This was the first "good German book" about Galileo; the English translation appeared in 1879. This volume is complete with all three parts issued in 1876 (See pages 1, 157, 318). However, a second volume was issued without notice. Thus in 1877 a second volume was issued containing (xv, 184) pages ("zweiter band"); the title varies: *Die Acten des Galilei'schen Process nach der vaticanicischen Handschrift herausgegeben ... 1877.* See: *The Westminster review, July and October 1876*, volume 106, New series, London, 1876, p. 560.

PROVENACE: This copy belong to Edward Leamington Nichols (1854-1937) of Cornell University, NY, founder of the *Physical Review* (1893); this book would have passed from Nichols to Henry Guerlac and then to Roger Hahn. Nichols "was an American physicist. He was born of American parentage at Leamington, England, and received his education at Cornell University, graduating in 1875. After Studying at Leipzig, Berlin, and Göttingen (Ph.D., 1879) he was appointed fellow in physics at Johns Hopkins. He then spent some time in the Thomas Edison laboratory at Menlo Park, N. J., and subsequently became professor of physics and chemistry in the Central University of Kentucky (1881), professor of physics and astronomy at the University of Kansas (1883), and professor of physics at Cornell University (1887). He was elected a member of the National Academy of Sciences, was president of

the American Association for the Advancement of Science (1907) and of the American Physical Society (1907–08), and served as a member of the visiting committee of the United States Bureau of Standards. The degrees of LL.D. and Sc.D. were conferred on Professor Nichols by the University of Pennsylvania and Dartmouth College respectively. He was the author of several college textbooks on physics. In 1927 he was awarded the Franklin Institute's Elliott Cresson Medal. In 1929 he was awarded the Frederic Ives Medal by the OSA" (*Wikipedia*).

431. **[GALILEO GALILEI] William R. SHEA.** *Galileo's Intellectual Revolution; middle period, 1610-1632.* Second edition. Science History Publications, 1977. 8vo. xi, 204 pp. Figs., index. Printed wrappers. Very good +. ISBN: 0882020064 / 0-88202-006-4 \$ 4



[Galileo – 432]

432. **[GALILEO] GEBLER, Karl von.** *Galileo Galilei and the Roman Curia. From authentic sources. Translated, with the sanction of the author, by Mrs. George Sturge.* London: C. Kegan Paul, 1879. 227 x 152 mm. 8vo. xxxii, 356, [2 blank], [ads 2], 31, [1] pp. Biographical notice of the author, bibliog., index; foxed, most heavily in preliminaries and end-leaves. Blind- and gilt-stamped dark brown cloth; expertly re-backed with original spine laid down. Bookplate of Stillman Drake and another ownership signature on half-title. Fine.

\$ 225

CHOICE COPY. PROVENANCE: Contains the armorial bookplate of Stillman Drake (b. 1910), the distinguished Galileo scholar.

S4674

433. **[GALLE, Johann Gottfried (1812-1910)] F. A BELLAMY.** "Johann Gottfried Galle, 1812-1910." Offprint from: *Knowledge, August and September, 1910, with corrections.* [Ealing, Southall, Uxbridge]: [John King, 1910]. (220 x 145 mm). 16 pp. 2 plates. Printed wrappers. Rubber stamps. Very good. RARE. Z1855 \$ 20

434. [GALILEO GALILEI] A. VAN HELDEN, & Stillman DRAKE. [2 papers]: "Galileo on the Sizes and Distances of the Planets." "Exact Sciences, Primitive Instruments, and Galileo." With: Florence: *Annali dell' Instituto e Museo di Storia della Scienza di Firenze*, 1982. Series: Anno VII, Fasc. 2, 1982. 8vo. 184 pp. Illus., plates. Printed wrappers. Fine.

\$ 20

Includes other papers: A.G. Debus, "Key to Two Worlds: Robert Fludd's weather-glass," W.R. Shea, Descartes and the French artisan Jean Ferrier." 4 other papers.

435. [GALLE, Johann Gottfried (1812-1910)] Diedrich WATTENBERG (1909-1996). *Johann Gottfried Galle, 1812-1910: Leben und Wirken eines deutschen Astronomen. Mit 4 Bildnissen und 11 Abbildungen im Text sowie mit 9 Faksimiles von Briefen im Anhang*. Leipzig: Johann Ambrosius Barth, 1963. Series: Lebensdarstellungen Deutscher Naturforscher, Nr.10. 8vo. 162 pp. 4 portraits, 11 text illustrations, 9 reproductions of Galle's letters. Blue cloth, gilt-stamped cover and spine titles. Some marginal pencil marks, end sheet notes, Joe Ashbrook's copy and notations. Very good. Z1265

\$ 20

436. GAPOSHKIN, Sergei Illarionovich (1898-1984). *Sergei. Divine Scramble. Biography of Humanity*. [No places given]: Arlington & Northrup's & Duprin, 1974-1978. 3 vols. (275 x 215 mm). [2002] pp. Photos, illustrations, and text (English and Russian) arranged in collages. Printed wrappers (1978 vol. spiral bound); extremities soiled and a bit worn. Very good. Rare. Z1268

\$ 175

Sergei Gaposchkin was a noted Russian-American stellar astronomer who "devoted his professional career to the study of variable stars. Especially eclipsing binary and spectroscopic binary stars." [Katherine Haramundanis (in) Hockey]. Self-published and about as idiosyncratic as anything produced by a modern astronomer. These volumes offer a window into the eccentric mental state of Sergei in his later years, as opposed to revealing any serious or reliable information on his life and work.

Astronomer Joseph Ashbrook's set, with Sergei's signed presentation inscription to him. "Sergei Illarionovich Gaposchkin (1898-1984) outlived his wife [Cecilia Helena Payne-Gaposchkin (1900-1979)] by only a few years. In Contrast to her single, slim autobiographic volume, he left three massive ones... adding up to no fewer than 2002 pages. They are un-indexed and arranged according to a scheme that only the author understood; so if you find a passage you like, you had better write down the page number, or you will never find it again!" [Trimble, Virginia, "Cecilia Payne-Gaposchkin: an introduction" in: Haramundanis, Katherine, ed., Cecilia Payne-Gaposchkin: An Autobiography and Other Recollections. Second Edition, p. xvii (1996)]. Hockey, *The Biographical Encyclopedia of Astronomers*, I, pp. 405-406.

437. GARLAND, Trudi Hammel. *Fascinating Fibonacci; Mystery and Magic in Numbers*. Palo Alto: Dale Seymour, (1987). Sq. 8vo. [viii], 103 pp. Figs., diags., index. Printed wrappers. Very good. ISBN: 0866513434 / 0-86651-343-4 [BH]

\$ 4

438. GEIKIE, Archibald (1835-1924). *A Long Life's Work: An Autobiography*. London: Macmillan, 1924. FIRST EDITION. 8vo. xii, 426, ads. [4] pp. Gravure frontispiece portrait of Geikie with facsimile autograph and tissue guard, additional plate, index. Dark blue cloth, gilt-stamped spine title; a few minor stains, spine ends a bit worn, inner hinge cracked. Very good. Z1270

\$ 65

439. **GAULTIER DE TOURS, Louis** (1776-1848). *Mémoire sur les Moyens généraux de construire graphiquement un Cercle déterminé par trois conditions, et une Sphère déterminé par quatre conditions; Lu à la première Classe de l'Institut, le 15 Juin 1812* [in] *Journal de l'École Polytechnique*, Vol. IX. Paris: L'Imprimerie Impériale, 1813. 4to. 124-214 [article]; [iv], 354, [2] [entire journal] pp. 3 folding plates. Original printed wrappers, untrimmed; outer blue paper mostly missing from spine, edges somewhat worn. Front cover ink holograph "Tome 16 Cahier" in contemporary hand, rear cover ink holograph "2/150" in modern hand. Title-page signature of M. Demonthiers de Boisroger. Very good – a choice copy really.

\$ 300

FIRST EDITION of Gaultier's pioneering work on orthogonal circles. "Certain parts of the elementary geometry of circles...did not make their appearance until the nineteenth century. ...Though one can see the notion of a power of a point with respect to a circle foreshadowed in Propositions 35 and 36 of Book III of Euclid's *Elements*, the concept was first crystallized and developed by Louis Gaultier in a paper published in 1813 in the *Journal de l'École Polytechnique*. Here we find, for the first time, the terms *radical axis* and *radical center*; the term *power* was introduced somewhat later by Jacob Steiner. The initial studies of orthogonal circles and coaxial pencils of circles were made in the early nineteenth century by Gaultier, Poncelet, Steiner, J. B. Durrénde, and others" (Eves, p. 86).

Gaultier was appointed as a professor at the Conservatory of Arts and Crafts at l'École Polytechnique, to teach the drawing of applied mechanics and descriptive geometry with Natalis de Wailly.

☼ Eves, Howard Whitley. *College Geometry*. Burlington, MA: Jones & Bartlett Learning, 1995.

440. **GEIKIE, Archibald** (1835-1924). *Scottish Reminiscences*. Glasgow: James Maclehose and Sons, 1904. Reprint. 8vo. xii, 447 pp. Index. Dark blue cloth, gilt-stamped spine title; outer cloth hinges a bit torn, inner hinges cracked. Good. Z1271 \$ 8
441. [**GEIKIE, James Murdoch** (1839-1915)] **Marion Isabel NEWBIGIN** (1869-1934) & **John Smith FLETT** (1869-1947). *James Geikie: The Man and the Geologist*. Edinburgh & London & New York: Oliver and Boyd & Gurney and Jackson & D. Van Nostrand, 1917. 8vo. xi, 227 pp. Frontispiece portrait of Geikie with tissue guard, 3 additional plates, index. Green cloth, gilt-stamped spine title, t.e.g; a bit rubbed, bottom spine cloth slightly discolored due to waterstaining, which effects some wrinkling at the front, but not much visible. Booklabel of George F. Black. Very good. Z1272 \$ 30
442. **Geological Survey of Canada**. *List of Publications of the Geological Survey of Canada*. Ottawa: Government Printing Bureau, 1895. 8vo. 52 pp. Printed wrappers; spine and rear cover missing, front cover soiled and chipped, top margins water-stained. Poor. Z1275 \$ 12
443. [**Geological Survey**] *Publications of the Geological Survey, 1962-1970*. [This catalog is a permanent supplement to "Publications of the Geological Survey, 1879-1961"]. Washington: United States Government Printing Office, 1972. Series: *United States Department of the Interior, Geological Survey*. 8vo. iv, 586 pp. Maps, 7 tables, indexes. Printed wrappers. Very good. Z1274 \$ 12.50

444. **GELL-MAN, Murray.** *The Quark and the Jaguar: Adventures in the Simple and the Complex.* New York: W. H. Freeman, (1994). 8vo. xviii, 392 pp. Index. Illustrated paper-backed boards, transparent plastic dust-jacket, as issued. SIGNED AND INSCRIBED from author to Dr. Carson Todd in ink at title-page. Near fine. ISBN: 0716725819

\$ 75

Theoretical physicist and 1969 Nobel Prize winner Gell-Man's "own story of finding the connections between the basic laws of physics and the complexity and diversity of the natural world" [dust-jacket].

PROVENANCE: Dr. Carson Todd is a retired cardiologist who completed his cardiology fellowship at The University of Oklahoma Medical School.

445. [**GERARD OF CREMONA & GERARD OF SABLONETA**] **Baldassarre BONCOMPAGNI** (1821-1894). *Della Vita e Delle Opere di Gherardo Cremonese, Traduttore del Secolo Duodecimo e di Gherardo da Sabbionetta, Astronomo del Secolo Decimoterzo Notizie Raccolte.* Rome: Belle Arti, 1851. 4to. 109 pp. Two facsimile leaves from the original translations at the front and rear of text. Paper wrappers; extremities worn, spine pieces missing, covers detached. Good. Rare. Z1858

\$ 125

"[Boncompagni]... concentrated mainly on the history of mathematics and of physics. His works in this field include one on the development of the study of physics in Italy during the sixteenth and seventeenth centuries, as well as publications concerning Guido Bonatti, Plato of Tivoli, Gerard of Cremona, and Gerard of Sabbionetta" (*DSB*, II, p. 283).

446. **GETZ, Faye.** *Medicine in the English Middle Ages.* Princeton: Princeton University Press, (1998). 8vo. xiv, 174 pp. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Fine. Scarce.

\$ 70

"A pleasure to read and a model of the highest standards of scholarship. Faye Getz's book provides a valuable synthesis for the specialist and a lively introduction to medieval medicine for lay readers and students of medieval history and culture. It presents a nuanced and socially complex sketch of the varieties of medical practitioners and practice in a succinct, up to date, and accurate historical account." – Katherine Park, Harvard University. ISBN: 0691085226

*Rare in Original Jackets*

447. **GIBBS, Josiah Willard** (1839-1903). *The Collected Works of J. Willard Gibbs.* In two volumes. New York: Longmans, Green and Co., 1931. 2 volumes. 8vo. xxviii, 434; xviii, 207, vi, 284 pp. Full navy blue gilt-stamped cloth, both volumes with original printed jackets (jackets are rare); jackets with edge tears and minor edge wear. The volumes are as pristine as possible given the protection from these jackets. Very good+.

\$ 145

First issued in 1928. "Volume One (Thermodynamics) contains his most significant work. "On the Equilibrium of Heterogeneous Substances," which may fairly be said to furnish the thermodynamic basis for the whole science of physical chemistry as it exists today, and for its development for many years to come. Volume Two deals with a variety of subjects. It includes the author's last work. "Elementary Principles in Statistical Mechanics," the first comprehensive treatment of this subject, and still



the leading one dealing with pre-quantum-theory mechanics. This treatise shows how a rational basis of thermodynamics may rest on statistical consideration of purely mechanical systems.” [jackets].

“When Dutch physicist J. D. van der Waals received the 1910 Nobel Prize ‘for his work on the equation of state for gases and liquids’ he acknowledged the great influence of Gibbs's work on that subject. Max Planck received the 1918 Nobel Prize for his work on quantum mechanics, particularly his 1900 paper on Planck's law for quantized black-body radiation. That work was based largely on the thermodynamics of Kirchhoff, Boltzmann, and Gibbs. Planck declared that Gibbs's name “not only in America but in the whole world will ever be reckoned among the most renowned theoretical physicists of all times.” – Wikipedia.

448. [GIBBS, Josiah Willard (1839-1903)] **Charles S. HASTINGS.** *Biographical Memoir of Josiah Willard Gibbs, 1839-1903.* Washington: National Academy of Sciences, 1909. Series: NAS, Biographical Memoirs, Part of Vol. VI. Small 4to. 375-393 pp. Frontis. port. of Gibbs with facsimile signature. Printed wrappers. Very good. Z1856 \$ 20
449. **GIBBS, Sharon & George SALIBA.** *Planispheric astrolabes from the National Museum of American History.* Washington, D.C.: Smithsonian Institution Press, 1984. Series: Smithsonian Studies in History and Technology, No. 45. 280 x 216 mm. 4to. viii, 231 pp. 130 figs., bibliog., index. Pictorial wrappers; some cover wrinkling, faint stain, corners bumped, faded. Internally very good. \$ 40
450. [GIBBS, Wolcott (1822-1908)] **F. W. CLARKE.** *Biographical Memoir of Wolcott Gibbs, 1822-1908.* Washington: National Academy of Sciences, 1910. Washington: National Academy of Sciences, 1910. Series: NAS, Biographical Memoirs, Part of Vol. VII. 8vo. 22 pp. Frontis. port. of Gibbs with facsimile signature. Printed wrappers. Small rubber stamp and sticker on front cover, embossed stamp on title. Very good. RARE. Z1857 \$ 10
451. **GILBERT, Neal W.** *Renaissance Concepts of Method.* New York: Columbia University Press, 1960. 8vo. xxvi, 255 pp. Index; some ink underlining throughout. Cloth, dust-jacket; rubbed with scuffing to jacket edge. Ink ownership signature of David C. Lindberg. Good (noting underlining). \$ 15
- “During the Renaissance, there was widespread discussion of concepts of method – the techniques of gaining and transmitting knowledge. Writers in all the arts and sciences – logic, philosophy, mathematics, law, history, medicine, and theology – entered into the discussion. This book distinguishes two main branches of the Renaissance controversy over method: that of the Aristotelians, concerned with scientific knowledge and with the demonstration of new truths; and that of the Humanists, concerned with pedagogical efficiency and the usefulness of applied learning. This difference of purpose or emphasis underlies the sixteenth century debates which foreshadowed the great expansion of scientific research in the next century.”
452. [GILBERT, William (1544-1603)] **W. James KING.** “The Natural Philosophy of William Gilbert and His Predecessors.” Offprint from: *Contributions from the Museum of History and Technology*, Paper 8, pp. 121-139. Washington, D.C.: Smithsonian Institution, 1959. Series: United States National Museum, Bulletin 218. 4to. 19 pp. Fig. Printed wrappers. Very good. Z1859 \$ 12.50

453. **[GILIO, da Siena] FRANCI, Raffaella** (ed.). *Mo Gilio Questioni d'Algebra dal Codice L.IX.28 della Biblioteca Comunale di Siena*. [Series]: *Quaderni del Centro Studi della Matematica Medioevale*, vol. 6. Siena: Servizio editoriale dell'Università di Siena, (1983). 8vo. xxviii, 62, [1] pp. Diags. Printed wrappers. Very good+. Early work on algebra. Scarce. [BH] \$ 10
454. **GINGERICH, Owen**. *Collector's Choice: A Selection of Books and Manuscripts Given by Harrison D. Horblit to the Harvard College Library. A Commencement Exhibition for the Class of 1933*. Cambridge, MA: Houghton Library, 1983. 8vo. 45 pp. Gravure frontis., two color title (printed in red and black), illustrations. Printed wrappers. Near fine. Annotated list of 57 of the Harvard College collections most important titles. ISBN: 0976492520 / 0-9764925-2-0 Z1280 \$ 10
455. **[GIOVANNI DE'DONDI] Silvio A. BEDINI (1917-2007), & Francis R. MADDISON; American Philosophical Society**. *Mechanical Universe: The Astrarium of Giovanni de' Dondi*. Philadelphia: American Philosophical Society, 1966. Series: *Transactions of the American Philosophical Society*, vol. 56, part 5, October 1966. 4to. 69 pp. 53 illus., index. Original printed wrappers. Fine. \$ 20
- The authors “discuss the history of the astrarium and its antecedents, list the MSS, and give a full bibliography” – *DSB* IV, p. 165. “Giovanni de' Dondi, was a doctor and clock-maker in Padua, Italy. He is remembered today as a pioneer in the art of clock design and construction. The Astrarium, which he designed and built over a period of 16 years, was a highly complex astronomical clock and planetarium, constructed only 60 or so years after the very first mechanical clocks had been built in Europe, and demonstrated an ambitious attempt to describe and model the solar system with mathematical precision and technological sophistication.” – *Wikipedia*.
456. **GJERTSEN, Derek**. *The Classics of Science: A Study of Twelve Enduring Scientific Works*. New York: Lillian Barber Press, (1984). FIRST EDITION. 8vo. iii, 374 pp. Figs., tables, index. Purple cloth, gilt-stamped spine title, dust-jacket; bottom corners of covers bumped. Very good. A work of considerable scholarship and useful as an overview of major aspects of 12 classics of science including Hippocrates, Euclid, Ptolemy, Copernicus, Vesalius, Galileo (Siderius Nuncius), Harvey, Newton (Principia), Linnaeus, Dalton and Darwin (Origin of Species). ISBN: 0936508094 Z1281 \$ 17
457. **GLAISHER, J.W.L. [James Whitbread Lee (1848-1928)]** (ed.). *Solutions of the Cambridge Senate-House Problems and Riders for the year 1878*. By J.W.L. Glaisher, C.H. Prior, N.M. Ferrers, A.G. Greenhill, Charles Niven. London: Macmillan, 1879. 8vo. vi, [2], 238, [ads] 2, 24 pp. 4 folding plates. Original dark green blind and gilt-stamped cloth; small hole on spine, water-staining to upper and lower covers (internally clean). Ownership signature of J.W. Russell, Merton [College] 1879. Thornton & Sons Booksellers ticket. Generally very good. Glaisher was educated at St Paul's School and Trinity College, Cambridge, where he was second wrangler in 1871. [HL] \$ 80
458. **[GOETHE, Johann Wolfgang von (1749-1832)] Vladislav KRUTA** [ed.]. *The Poet and the Scientist: Johann Wolfgang Goethe, Jan Evangelista Purkyně*. Translated by Dr. Lidmila Pantuckova. [Prague]: Academia, (1968). 8vo. 46 pp. Two tipped in portraits of Goethe and Purkyně. Paper wrappers with printed dust-jacket; jacket very lightly soiled. Very good. Z1283 \$ 18

459. **GLASSTONE, Samuel.** *Recent Advances in Physical Chemistry. Second edition.* London: J. & A. Churchill, 1933. 8vo. vii, 498, ads. 15 pp. Figs., index. Blue cloth. Bookplate of William Lawrence Bragg and signed by him. \$ 275  
William Henry Bragg (1862-1942) founded the science of x-ray crystallography, and played a fundamental role in its development into one of the essential analytic tools of physics, chemistry and molecular biology. He was awarded the Nobel prize in Physics (with his son, William Lawrence Bragg) in 1915 for "Their services in the analysis of crystal structure by means of X-rays".
460. [**Golden Gate Bridge, San Francisco**]. *Official Souvenir Program; Golden Gate Bridge Fiesta. Celebrating the Opening of the World's Longest Single Span.* San Francisco: Golden Gate Bridge and Highway District; Redwood Empire Assoc., City & County of San Francisco, 1937. Sm. 4to. 48 pp. Illus. Color pictorial wrappers after a painting by Irving Sinclair; margin lightly stained. Very good. \$ 45  
Citizens' Committee: Mayor Angelo J. Rossi, Hon. Arthur M. Brown, Jr., Eric Cullenward, James Adam.
461. **GOLDSTEIN, Herbert** (1922-2005). *Classical Mechanics.* Cambridge: Addison-Wesley Press, 1950. 8vo. xii, 399 pp. Index. Grey red and gilt-stamped cloth; upper cover stained red. Good. [HL] \$ 10
462. **GOODMAN, David; Colin A. RUSSELL** (editors). *The Rise of Scientific Europe 1500-1800.* (Kent): Hodder & Stoughton, (1991). 4to. ix, 437 pp. Illustrated throughout, index. Printed wrappers. Very good. Ink ownership signature of David C. Lindberg. ISBN: 034055861X / 0-340-55861-X \$ 20
463. [**GOULD, Benjamin Apthorp** (1824-1896)] "Benjamin Apthorp Gould." [Obituary]. In: *Astronomical Journal*, No. 389, Vol. XVII, No. 5, December 3, 1896. Boston: B.A. Gould, 1896. (290 x 240 mm). (33)-40 pp. Pages disbound. Very good. Z1861 \$ 10
464. **GRAFTON, Anthony, & Lisa JARDINE.** *From Humanism to the Humanities; Education; education and the liberal arts in fifteenth and sixteenth century Europe.* Cambridge: Harvard University Press, 1986. 8vo. xvi 224 pp. Index. Cloth, dust-jacket. Very good +. ISBN: 0715621009 / 0-7156-2100-9 \$ 75
465. **GRAMMEL, Richard.** *Die hydrodynamischen Grundlagen des Fluges.* Braunschweig: Friedr. Vieweg & Sohn, 1917. 8vo. IV, [2], 135, [1] pp. Original printed wrappers. Very good. [HL] \$ 35
466. **GRANT, Edward.** *Much Ado About Nothing: Theories of space and vacuum from the Middle Ages to the Scientific Revolution.* Cambridge: Cambridge University Press, (1981). 8vo. xiii, 456 pp. Index. Cloth, dust-jacket. INSCRIBED BY THE AUTHOR TO DAVE (David) C. LINDBERG. Lindberg's copy with his pencil underlining and occasional annotations/marginalia throughout. Very good. \$ 95

"The primary objective of this study is to provide a description of the major ideas about void space within and beyond the world that were formulated between the fourteenth and early eighteenth centuries. The second part of the book – on infinite,

extracosmic void space – is of special significance. Despite its rejection by Aristotle, whose world view remained dominant well into the seventeenth century, the actual existence of an infinite space beyond our finite world was already assumed in the fourteenth century on the theological ground that God's infinite omnipresence required an infinite space..." ISBN: 9780521229838

467. **GRANT, Edward.** *A Source Book in Medieval Science.* Cambridge, MA: Harvard Univ. Press, 1974. Series: Source Books in the History of the Sciences. 8vo. xviii, 864 pp. Figs., index; small ink number on title. Black gilt-stamped cloth; short tears to spine head. Bookplate of Barnabas Hughes. Generally very good. [BH] \$ 50
468. **GRASSI, Giovanna** [comp.]. *Union Catalogue of Printed Books of the XV and XVI Centuries in Astronomical European Observatories.* Rome: Rome Astronomical Observatory Library, 1977. 4to. xv, 105, [1] pp. Indexes. Printed wrappers. Very good. Z1285 \$ 45
469. **GRATTAN-GUINNESS, Ivor.** *The Norton History of the Mathematical Sciences; the Rainbow of Mathematics.* New York: W.W. Norton & Co., (1998). 8vo. 817 pp. Black gilt-stamped boards, dust-jacket. Near fine. ISBN: 0393046508 / 0-393-04650-8 [BH] \$ 7
470. **GRAY, Andrew.** *Absolute Measurements in Electricity and Magnetism. Second edition rewritten and extended.* London: Macmillan, 1921. 8vo. xix, 837 pp. Small ex-library rubber stamp on final leaf of index, white call number painted on spine; bookplate of Alan E. Shapiro. Very good. Scarce. Gray (1847-1925) Scottish physicist and mathematician; in 1896 he was elected a Fellow of the Royal Society; succeeded Kelvin at Glasgow as Professor of Natural Philosophy. \$ 45
471. **GREAVES, John.** *A Treatise on Elementary Hydrostatics.* Cambridge: University Press, 1894. Sm. 8vo. xi, 204 pp. Figs., index. Original black, blind and gilt-stamped olive green cloth; spine ends lightly worn. Title ink signature of Harold Levine, 1941. Very good. [HL] \$ 30
472. **GREENE, Jay E.** [ed.]. *McGraw-Hill Modern Men of Science. 426 Leading Contemporary Scientists Presented by the Editors of the McGraw-Hill Encyclopedia of Science and Technology.* New York, et al.: Mc-Graw-Hill, (1966). Large 8vo. vi, (vii), 620 pp. Title illus., vignette portraits of many of the featured scientists, indexes. Gray cloth, red and white stamped cover and spine titles, dust-jacket. Former library copy. Very good. Z1287 \$ 20
473. **GREENE, John C.** *The Death of Adam: Evolution and Its Impact on Western Thought.* Ames, IA: Iowa State University Press, (1959). Tall 8vo. 388 pp. Illustrations, figs., index. Tan cloth, black stamped cover and spine titles, dust-jacket; jacket worn, flap separated. INSCRIBED BY THE AUTHOR TO ROGER HAHN. Very good. Greene was one of a pioneering group of scholars (along with Henry Guerlac and Pearce Williams) in American studying the history of science. \$ 16
474. **GRENDLER, Paul F.** *Schooling in Renaissance Italy; Literacy and Learning, 1300-1600.* Baltimore and London: Johns Hopkins University Press, (1989). Series: *The Johns Hopkins University Studies in Historical and Political Science 107th Series* (1989). 8vo. xxii, 477 pp. Illus., index. Red cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Very good +. ISBN: 0801837251 / 0-8018-3725-1 \$ 40

475. **GROLIER, Maurice J.** *Bibliography of Terrestrial Impact Structures*. Flagstaff: NASA Scientific and Technical Information Branch, 1985. Series: *NASA Technical Memorandum 87567*. 4to. viii, 539, [1] pp. 6 numbered illustrations, tables, indexes. Printed wrappers. Very good. Z1289

§ 75

Fred Whipple's copy, with his label and stamp. This work is ordered alphabetically by author under each impact structure with outline maps. A very useful compilation. From the Abstract: "This bibliography lists 105 terrestrial impact structures, of which 12 are proven structures, that is, structures associated with meteorites, and 93 are probable."

PROVENANCE: "Fred Lawrence Whipple (1906–2004) was an American astronomer, who worked at the Harvard College Observatory for over 70 years. Amongst his achievements, he discovered some asteroids and comets, came up with the "dirty snowball" commentary hypothesis, and designed the Whipple shield."

476. **GUILLOIN DE MONTLEON, Aimé** (1758-1842). *Histoire du Siege de Lyon, des évènements qui l'ont précédé et des désastres qui l'ont suivi, ainsi que de leurs causes secretes, générales et particulières; (Depuis 1789 jusqu'en 1796); Accompagnée d'un Plan où sont indiqués les actions principales, les batteries des combattans, les lieux incendiés et les édifices démolis*. Paris, Lyon: Imprimerie de Le Clere, V. Rusand & J. Daval, 1797. Two volumes in one. 8vo. [iii], 19, [1], 255, [1 blank], [2]; [ii], 258, [1], [1 blank] pp. Large folding engraved map "Camp des Troupes de Laporte" (3-4 inch tear across image). Early quarter calf over blue decorative paper over boards, 5 raised bands to gilt-stamped spine, vellum corner tips, place-keeping ribbon; heavily rubbed. Very good.

§ 220

"This work has made no little noise in Lyons, the inhabitants of which accuse the abbé with having filled his book with the most glaring falsehoods. M. Guillon is a Jesuit, and has, consequently, written in the interest if the Jesuits; but it unfortunately happens that the interests of this society have not been found compatible upon this occasion, as upon many others, with those of truth; and, as in duty bound to lie for the good of his order, the abbé has been often regardless of accuracy in his account of the siege of Lyons. In the south of France there is a strange, but very generally accredited belief, that the English minister Pitt expended immense sums in fomenting the troubles and securing the ruin of Lyons. It is said that General Carnot possessed some curious information upon this point of history. If the fact be so, it is to be hoped, that in his memoirs, about to be published, that information will not be withheld." Campbell, Thomas; Samuel Carter Hall; Baron Edward Bulwer Lytton Lytton. *New Monthly Magazine*, Volume 12, 1824; *Catalogue de la Bibliotheque Lyonnaise de M. Coste* - 1853, p. 182, no. 4343; *Catalogue or alphabetical index of the Astor Library*, 1858, p. 659.

477. **GÜNTER, Nikolai Maximovich** (1871-1941). *Die Potentialtheorie und ihre Anwendung auf Grundaufgaben der Mathematischen Physik*. Leipzig: B.G. Teubner, 1957. 8vo. X, 341, [1] pp. 34 figs., index. Dark green blind and gilt-stamped cloth; lower margin waterstained. Russian mathematician known for his work in potential theory and in integral and partial differential equations. Good+. [HL]

§ 10

478. **[GUNTHER, Robert William Theodore** (1869-1940)] **A.E. GUNTHER**. *Robert T. Gunther: A Pioneer in the History of Science, 1869-1949*. Series: *Early Science in Oxford. Vol. XV*. Oxford: Printed for the Subscribers, 1967. 8vo. xiii, 520 pp. Frontis. port. of Robert T. Gunther, plates, illustrations, index. Blue cloth, copper stamped spine title. Like new – a choice copy. Z1292

§ 75

479. **GUTAS, Dimitri.** *Greek Thought, Arabic Culture. The Greco-Arabic Translation Movement in Baghdad and Early 'Abbasid Society (2nd-4th/8th-10th centuries)*. (London): Routledge, (2002). 8vo. xviii, 230 pp. Index; occasional yellow highlighting (mostly subtle, if one can be kind). Printed wrappers. Good +. [BHI] \$ 15
480. **HAAS, Arthur Eric** (1884-1941). *Einführung in die theoretische Physik*. Zweiter band. Berlin & Leipzig, 1921. 8vo. vi, 286 pp. Figs., index. Original grayish cloth. Rubber stamp of Hans Dollinger (1921). \$ 14
481. [**HAGEN, Jan Jerzy**] **A. DENIZOT.** "Jan Jerzy Hagen. Wspomnienie Pośmiertne." Offprint from: *Osobne Odbicie Z T. XXXIII*, "Wiadomości Matematycznych." Warszawa: [Drukarnia Kooperatywy Pracowników Drukarskich], 1931. (225 x 155 mm). 7 pp. Port. photo. Printed wrappers. Fine. Z1864 \$ 10
482. [**HAGUE, Arnold** (1840-1917)] **Joseph P. IDDINGS.** *Biographical Memoir of Arnold Hague, 1840-1917*. Washington: National Academy of Science, 1919. Series: NAS, Biographical Memoirs, Part of Vol. IX. 8vo. 21-38 pp. Frontis. port. of Hague with facsimile autograph. Printed wrappers; covers lightly soiled. Very good. Z1878 \$ 8
483. **HALE, George Ellery** (1868-1938)] **Walter S. ADAMS.** "George Ellery Hale." Offprint from: *Astrophysical Journal*, Vol. 87. Washington: Carnegie Institution, 1938. (255 x 170 mm). 20 pp. Frontis. port. of Hale. Printed wrappers. Fine. Z1869 \$ 15
484. [**HALE, George Ellery** (1868-1938)] **American Institute of Physics.** *George Ellery Hale, 1868-1938. Centennial Exhibit*. [New York]: [Niels Bohr Library, 1969]. (210 x 125 mm). 10 ff. Illus. Printed wrappers. Fine. Rare. Z1870 \$ 12
485. [**HALL, Asaph** (1829-1907)] **George William HILL.** *Biographical Memoir of Asaph Hall, 1829-1907*. Washington, D.C.: Judd & Detweiler, 1908. 8vo. 241-309 pp. Frontis. port. of Hall with facsimile signature. Printed wrappers; rear cover creased. Very good +. Z1871 \$ 25
486. [**HALLEY, Edmond** (1656-1742); **Eugene Fairfield MACPIKE** [ed.]. *Correspondence and Papers of Edmond Halley. Preceded by an Unpublished Memoir of His Life by One of His Contemporaries and the 'Éloge' by D'Ortous de Mairan*. Oxford: Clarendon Press, 1932. FIRST EDITION. Series: *History of Science Society Publications*, New Series II. 4to. xiv, 300 pp. Gravure frontis. port. of Halley with facsimile autograph and tissue guard, 8 plates, 2 text illustrations, index. Dark blue cloth, gilt-stamped spine title; spine a bit faded. Very good. Z1301 \$ 325  
MacPike's PRESENTATION INSCRIPTION: "To R.C. Beckett, Esq. With the compliments of Eugene F. MacPike, 16 October 1937." Later owner's inked info on front pastedown also. The "Appendix: Halleiana" features 21 sections and is of much bibliographical value.
487. [**Halley's Comet**] **Bruce MORTON** [comp.]. *Halley's Comet, 1755-1984: A Bibliography*. Westport and London: Greenwood Press, (1985). FIRST EDITION. 8vo. xvi, 280, [1] pp. Frontis., 10 full-page illustrations, glossary, indexes. Red cloth, white stamped cover and spine titles. Former library copy, rubber-stamps, booklabel (no spine markings). Very good. ISBN: 0313240221 Z1302 \$ 10

488. [HALSTED, William Stewart (1852-1922)] W. G. MACCALLUM. *Biographical Memoir of William Stewart Halsted, 1852-1922*. Washington: National Academy of Science, 1936. Series: NAS, Biographical Memoirs, Vol. XVII, Seventh Memoir. 8vo. 151-170 pp. Frontis. port. of Halsted with facsimile autograph. Printed wrapper; covers detached. Fair. Z1873 \$ 18
489. HAMARNEH, Sami. *Drawings and Pharmacy in al-Zabrawi's 10<sup>th</sup>-Century Surgical Treatise*. Washington: Smithsonian Institution, 1961. Series: United States National Museum Bulletin, 228. Sm. 4to. pp. 83-94. Printed wrappers; light wear to extremities. Very good. \$ 9
490. HAMEL, G. *Mechanik der Kontinua. Herausgegeben von Istvan Szabo*. Stuttgart: B. G. Teubner, 1956. 8vo. 210, [1] pp. 65 figs., index. Beige-olive brown stamped cloth; some fading. Very good. [HL] \$ 38

*In Memory of Sir William Rowan Hamilton*

491. [HAMILTON, William Rowan (1805-1865)] *A Collection of Papers in Memory of Sir William Rowan Hamilton*. New York: Scripta Mathematica, 1945. Series: Scripta Mathematica Studies, No. 2. 8vo. 82 pp. Two plates, two facsimile reproductions from Hamilton's notebooks. Navy cloth, gilt-stamped cover and spine titles. Near fine. Z1303 \$ 85  
Features 7 papers by David Eugene Smith, J.L. Synge, C.C. MacDuffee, F.D. Murnaghan, H. Bateman, Edwin B. Wilson, and Vladimir Karapetoff.
492. HAMMOND, John H. *The Camera Obscura; a Chronicle*. Bristol: Adam Hilger Ltd., (1981). 8vo. xi, 182 pp. Frontis., 102 illus., index; occasional ink marginalia or underlining by Lindberg. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Very good (noting underlining). ISBN: 085274451X / 0-85274-451-X \$ 50
493. HANKINS, James. *Plato in the Italian Renaissance*. Leiden & New York: E.J. Brill, 1990. Second impression with addenda and corrigenda. Series: *Columbia Studies in the Classical Tradition*, XVII,1. 8vo. xxxi, 366 pp. Printed wrappers. Ink ownership signature of David C. Lindberg. Fine. \$ 199  
"Plato in the Italian Renaissance, the first book-length treatment of Renaissance Platonism in over fifty years, is a study of the dramatic revival of interest in the Platonic dialogues in Italy in the fifteenth century. Through a richly contextual study of the translations and commentaries on Plato, James Hankins seeks to show how the interpretation of Plato was molded by the expectations of fifteenth-century readers, by the need to protect Plato against his critics, and the broader hermeneutical assumptions and practices of the period." Haskins, professor of history, Harvard University, "Founder and General Editor of the I Tatti Renaissance Library (Harvard University Press) and Associate Editor of the *Catalogus Translationum et Commentariorum* (Union Academique Internationale). Currently [he is] working on a history of philosophical religions in the Renaissance and a book on Leonardo Bruni and Renaissance republicanism." ISBN: 9004095527
494. HANSON, Norwood Russell. *Patterns of Discovery: An Inquiry into the Conceptual Foundations of Science*. Cambridge: Cambridge University Press, 1958. 8vo. ix, 240 [1] pp. 29 figs., index. Cloth, dust-jacket; jacket torn. Good +. \$ 10

495. **HARDIE, Titania.** *What's Your Number? The Numerology Collection Character, fate and fortune revealed for you, and everyone you know!* New York: Metro Books, 2007. 9 volumes boxed. 2448 pp. [or about 270 pp. per volume]. Color printed wrappers; each volume fine, slight damage to corner of box. This is the complete set (usually seen as separate volumes). ISBN-13: 9781435104488 [BH] \$ 50

496. **HARKNESS, William** (1837-1903). *The Solar Parallax and Its Related Constants, Including the Figure and Density of the Earth. Washington Observations for 1885. – Appendix III.* Washington: Government Printing Office, 1891. 4to. 169 pp. Index. Black cloth, gilt-stamped cover and spine titles. Very good. Z1305

\$ 75

PROVENANCE: “Frank Washington Very (1852 – November 23, 1927) was a U.S. astronomer. He was born at Salem, Massachusetts, and educated at Massachusetts Institute of Technology (1873). He worked at the Allegheny Observatory from 1878 until 1895. In 1890 he became a professor at Western University of Pennsylvania. He then was acting director of the Ladd Observatory at Brown University from 1896 to 1897. His most important work was in measuring the temperature of the surfaces of the Moon and other planets using a bolometer. Samuel Pierpont Langley published in 1890 a widely read paper on the Moon observations, but for unknown reasons omitted Very’s name from the list of authors. In 1891, Very published his own paper about the “Distribution of the Moon’s Heat,” which also included measurements taken during a lunar eclipse” (*Wikipedia*).

#### *History of Cartography*

497. **HARLEY, J.B.; David WOODWARD** (editors). *The History of Cartography. Volume one: Cartography in Prehistoric, Ancient and Medieval Europe and the Mediterranean; Volume two, book one: Cartography in the Traditional Islamic and South Asian Societies.* Chicago & London: University of Chicago Press, 1987, 1992. Two volumes (of a seven-volume set). 4to. xxi, 599; xxiv, 579 pp. Well illustrated, index. Cloth, dust-jacket; rubbed. Ink ownership signatures of David C. Lindberg. Very good. ISBN: 0226316335 / 0-226-31633-5; ISBN: 0226316351 / 0-226-31635-1 \$ 195

498. [**HARTMANN, Juan** (1865-1936)] **Juan Jose NISSEN.** “Juan Hartmann, 1865-1936.” Offprint from: *Revista Astronomica*, Tomo VIII, NÚM. VI. Paraguay: Corletta & Castro, (1936). (255 x 170 mm). 343-362 pp. Frontis. port. of Hartmann. Printed wrappers. This work includes a bibliographical index, “Indice Cronologico de las Publicaciones Efectuadas por el Dr. Juan Hartmann,” prepared by M. Dartayet. Very good. Z1875 \$ 10

499. **HARTMANN, Wilhelm.** *Beitrag zur Geschichte und Theorie der astronomischen Instrumente mit rotierendem Planspiegel und fester Reflexrichtung (Heliostat, Siderostat, Zölostat, Uranostat).* Bergedorf: Hamburger Sternwarte, 1928. Series: Astronomische Abhandlungen der Hamburger Sternwarte in Bergedorf, Band IV, Nr. 1. 4to. 36 pp. 24 numbered figs., 13 tables. Printed wrappers; front cover detached, wrappers and spine chipped with pieces missing, some pages marginally water-stained (text unaffected). Includes a bibliography with 71 items. Good. Z1307 \$ 20

500. **Harvard College Observatory.** “A Catalogue of Photographic Charts of the Sky.” In: *Annals of Harvard College Observatory.* Vol. LX. No. IX. [Cambridge, MA]: [The Observatory, 1907]. (295 x 245 mm). (231)-251 pp. Table. Self wraps; original covers may be missing. Very good. Z1309 \$ 25



501. **Harvard College Observatory.** "Illustrations in Harvard Annals." In: *Annals of Harvard College Observatory*. Vol. 80. No. 3. [Cambridge, MA]: [The Observatory, circa 1914]. (295 x 245 mm). (71)-82 pp. Self wraps; original covers may be missing, offsetting, spine ends starting. Fair. Z1310 \$ 25
502. **Harvard College Observatory & Mrs. Harlan True STETSON.** "Index to the Harvard Annals." In: *Annals of Harvard College Observatory*. Vol. 80. No. 1. [Cambridge, MA]: [The Observatory, circa 1915]. (295 x 245 mm). 15 pp. Self wraps. Very good. Z1317 \$ 25
503. [**Harvard College Observatory**] **Edward C. PICKERING** [dir.]. *Annals of the Astronomical Observatory of Harvard College. Volume LXXV – Part II: Contents of Volumes I to LXXV*. Cambridge, MA: The Observatory, 1913. (295 x 245 mm). (209)-246 pp. Printed wrappers. Fine. Z1313 \$ 45
504. [**Harvard College Observatory**] **Edward C. PICKERING** [dir.]. *Contents of Annals of Harvard College Observatory*. Cambridge, MA: The Observatory, 1911. FIRST EDITION. (295 x 245 mm). 36 pp. Printed wrappers; a bit soiled with tears, spine missing (pages still holding). Very good. Z1315 \$ 20
505. **Harvard College.** *Astronomical Observatory of Harvard College. Miscellaneous Papers, 1888-1895*. Cambridge, MA: Harvard, 1896. 8vo. 15 pp. Printed wrappers; rear cover missing, front cover held by tape. Previous owner's inked signature on front cover. Good. Rare. Z1308 \$ 30
506. [**Harvard University**] **Justin WINSOR** [ed.]. *Library of Harvard University. Bibliographical Contributions*. Nos. 12, 23, 28, 47. [No. 12. *List of the Publications of Harvard University and Its Officers, 1870-1880*; No. 23. *A List of the Publications of Harvard University and Its Officers, with the Chief Publications on the University, 1885-1886*. By William H. Tillinghast; No. 28. *Fourth List of the Publications of Harvard University and Its Officers, with the Chief Publications on the University. 1886-1887*. By William Hopkins Tillinghast; No. 47. *Ninth List of the Publications of Harvard University and Its Officers, with the Chief Publications on the University. 1891-1892*. By William Hopkins Tillinghast]. Cambridge: John Wilson and Son & the Library of Harvard University, 1881-1893. 4 issues. 8vo. 51; 21; 34; 34 pp. Printed wrappers; wrappers a bit worn. Previous owner's penciled signature on front cover of No. 12 and 47. Includes much of astronomical interest including many minor and otherwise fugitive titles and citations. Very good. Z1319 \$ 70
507. **HARVEY, William Henry** (1811-1866). *Memoir of W.H. Harvey, M.D., F.R.S., etc., etc. Late Professor of Botany, Trinity College, Dublin. With Selections from his Journal and Correspondence*. London: Bell and Dalby, 1869. 8vo. xvi, 372 pp. Engraved frontis. port. of Harvey with facsimile autograph and tissue guard; foxed. Green cloth, gilt-stamped spine title; extremities a bit soiled and worn, spine ends chipped, endleaves stained. Very good. Scarce. Z1320

\$ 350

FIRST EDITION. This work was compiled anonymously by Harvey's cousin Lydia Fischer. William Henry Harvey (1811–1866), Irish botanist, He was one of the most distinguished students of marine algae of all time. He also holds an important place in the history of Australian botany. He spent some years searching Australian waters for seaweeds and published his five volume magnum opus *Phycologia Australica* in 1858-63. Among his other writings are: *A Manual of the British Algae* (1841), *Phycologia Britannica* (4 vols., 1846–51), *Nereis Boreali-Americana* (3 parts: 1852–85).

“Harvey’s discovery in 1831 of the moss *Hookeria laetevirens* at Killarney, new to Ireland, led to a lifelong friendship with Sir William Jackson Hooker, who was then Regius Professor of Botany at Glasgow University. Hooker recognized at once the extraordinary talent of the shy young man of twenty, and lent him books. Soon afterwards Hooker invited him to contribute the section on algae to his *British Flora* (1833) as well as the section on algae for *The Botany of Captain Beechy’s Voyage*.” [Wikipedia]. He was a friendly correspondent with Charles Darwin but wrote an anti Origin review in the *Edinburgh Review*. Harvey was curator of the Trinity College Herbarium (TCD) and Professor of Botany of the Royal Dublin Society.

508. **HARVEY, E. Ruth.** *The Inward Wits; psychological theory in the Middle Ages and the Renaissance*. London: Warburg Institute, 1975. Series: *Warburg Institute Surveys*, VI. 8vo. 79 pp. Frontispiece, index. Blue printed wrappers; corner bumped. Ownership ink signature of David C. Lindberg. Very good. ISBN: 085481051X / 0-85481-051-X \$ 50
509. [HARVEY, William] **I. Bernard COHEN.** *A Note on Harvey’s ‘Egg’ as Pandora’s ‘Box’. Changing Perspectives in the History of Science; Essays in Honour of Joseph Needham. Edited by ...* London: Heinemann, [1973]. Offprint. pp. 233-249. Printed green wrappers. Very good +. \$ 5
510. [HARZER, Paul (1857-1932)] **Alexander WILKENS.** “Paul Harzer.” Offprint from: *Vierteljahrsschrift der Astronomischen Gesellschaft*, 67. Jahrgang, 4. Heft. Leipzig: Offizin Poeschel & Trepte, 1932. (235 x 150 mm). (341)-354 pp. Frontis. port. of Harzer. Original printed dark gray wrappers. Fine. Z1876 \$ 10
511. **HATFIELD, Gary.** *The Natural and the Normative; Theories of Spatial Perception from Kant to Helmholtz*. Cambridge & London: MIT Press, 1990. 8vo. xii, 366 pp. Index. Cloth, dust-jacket. INSCRIBED BY THE AUTHOR TO DAVID C. LINDBERG. Fine.

\$ 135

FIRST PRINTING. “Gary Hatfield examines theories of spatial perception from the seventeenth to the nineteenth century and provides a detailed analysis of the works of Kant and Helmholtz, who adopted opposing stances on whether central questions about spatial perception were amenable to natural-scientific treatment. At stake were the proper understanding of the relationships among sensation, perception, and experience, and the proper methodological framework for investigating the mental activities of judgment, understanding, and reason issues which remain at the core of philosophical psychology and cognitive science. Hatfield presents these important issues as living philosophies of science that shape and are shaped by actual research programs, creating a complex and fascinating picture of the entire nineteenth-century battle between nativism and empiricism. His examination of Helmholtz’s work in physiological optics and epistemology is a tour de force.” Review: “This is a major reinterpretation of Kant’s work and its continued relevance to cognitive science as revealed through nineteenth-century attempts to pursue implications suggested by Kant’s writings, culminating in the work of perhaps the most important cognitive scientist of the time, Hermann Helmholtz. In a brilliant reinterpretation of Kant’s work certain to provoke lively discussion among Kant specialists, Hatfield shows that Kant embraced both the naturalistic and the normative positions in a manner consistent with his philosophical enterprise.” — Timothy Lenoir, Stanford University. Gary Hatfield is Associate Professor of Philosophy at the University of Pennsylvania. ISBN: 0262080869

512. **HAY, Cynthia** (ed.) *Mathematics from Manuscript to Print 1300-1600*. Oxford: Clarendon Press, 1988. 8vo. ix, 273 pp. Illustrations, index. 18 essays. Navy gilt-stamped cloth, clear plastic jacket. As new. ISBN: 0198539096 / 0-19-853909-6 [BH] \$ 65
513. **HAZEN, Robert M. & Margaret Hindle HAZEN**. *American Geological Literature, 1669-1850*. Stroudsburg, PA: Dowden, Hutchinson & Ross, (1980). FIRST EDITION. 8vo. xii, 431 pp. Index. Amber paper boards, brown stamped cover and spine titles; fore-edges lightly spotted, else fine. ISBN: 0879333715 Z1323 \$ 45
514. **HEATH, Sir Thomas**. *Greek Astronomy*. New York: Dover, (1991). 8vo. lvii, 192 pp. Printed wrappers. Ownership ink signature of David C. Lindberg. Very good. ISBN: 0486266206 / 0-486-26620-6 \$ 4

*Florian Cajori – Herbert McLean Evans Copy*

515. **HEATH, Sir Thomas L.** *Diophantos of Alexandria; a study in the history of Greek algebra*. Cambridge: University Press, 1885. 8vo. xi, 248, ads (dated Oct. 1891) (44) pp. Text figs. Original green cloth, gilt-stamped spine title; joints rubbed, spine ends frayed. Ink signature of Florian Cajori and Leon Bankoff (on ffep), bookplate of Herbert McLean Evans. Very good. Rare.

\$ 875

First edition. This is a choice copy by provenance alone: with the signature of mathematics historian Florian Cajori, history of science pioneering collector Evans – bought and sold by Jake Zeitlin to the recent owner Leon Bankoff (dated 1953). This copy contains a number of pencil marginalia marks throughout.

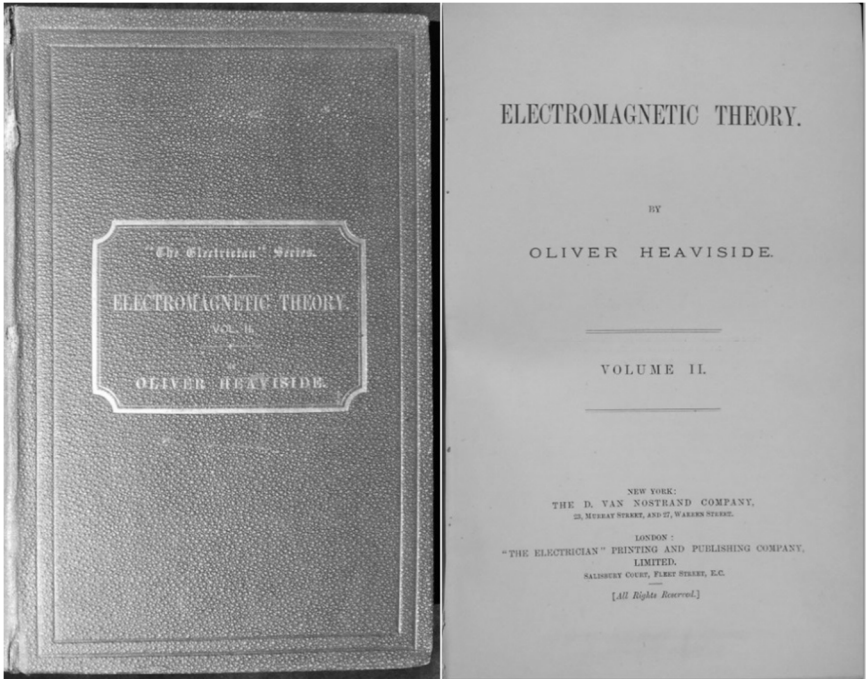
Diophantus of Alexandria, “sometimes called “the father of algebra”, was an Alexandrian Greek mathematician and the author of a series of books called *Arithmetica*. These texts deal with solving algebraic equations, many of which are now lost. In studying *Arithmetica*, Pierre de Fermat concluded that a certain equation considered by Diophantus had no solutions, and noted without elaboration that he had found “a truly marvelous proof of this proposition,” now referred to as Fermat’s Last Theorem. This led to tremendous advances in number theory, and the study of Diophantine equations (“Diophantine geometry”) and of Diophantine approximations remain important areas of mathematical research. Diophantus was the first Greek mathematician who recognized fractions as numbers; thus he allowed positive rational numbers for the coefficients and solutions. In modern use, Diophantine equations are usually algebraic equations with integer coefficients, for which integer solutions are sought. Diophantus also made advances in mathematical notation.”

“The *Arithmetica* is the major work of Diophantus and the most prominent work on algebra in Greek mathematics. It is a collection of problems giving numerical solutions of both determinate and indeterminate equations. Of the original thirteen books of which *Arithmetica* consisted only six have survived, though there are some who believe that four Arab books discovered in 1968 are also by Diophantus. Some Diophantine problems from *Arithmetica* have been found in Arabic sources.”

“It should be mentioned here that Diophantus never used general methods in his solutions. Hermann Hankel, renowned German mathematician made the following remark regarding Diophantus.” – Wikipedia.

S11525

516. **HEATH, Sir Thomas L.** (1861-1940). *Diophantus of Alexandria; A Study in the History of Greek Algebra Second edition. With a supplement containing an account of Fermat's theorems ... problems by Euler.* Cambridge: University Press, 1910. 8vo. vi, [2], 387 pp. Diags., figs., index. Original navy blue gilt-stamped cloth; spine head badly frayed, corners showing. Library stamp on title page. Bookplate of Barnabas Hughes. Good +. Classic work. [BH] \$ 125
517. **HEATHCOTE, Niels Hugh de Vaudrey.** *Nobel Prize Winners in Physics, 1901-1950. With a Foreword by Prof. Herbert Dingle.* New York: Henry Schuman, (1953). Series: A Volume in the Life of Science Library, Number 30. 8vo. xvi, 473 pp. Photo portraits of the recipients on 14 back to back plates, 46 figs., indexes. Navy cloth, gilt-stamped light blue spine label, dust-jacket; jacket worn and chipped. Very good. Z1324 \$ 12



518. **HEAVISIDE, Oliver** (1850-1925). *Electromagnetic theory.* New York: D. Van Nostrand, 1893-[1899]. Two volumes. 8vo. xxi, 466; xvi, 542 pp. Illus. with figures and diagrams, appendices. Original blind doubled and gilt-stamped plum cloth, all edges speckled; faded spine, chipped, inner hinges repaired with Japanese Kozo paper. Ex-library copy [Dominion Astronomical Observatory, Ottawa, Canada] as evidenced by stamps and glue remains on endpapers. Internally a clean set. Very good. Rare.

\$ 750

FIRST EDITION, American issue. Heaviside's "Electrical papers", quite controversial at first, were initially published in *The Electrician*. These volumes contain some papers originally printed 1891-93, but there are also many that appear here for the first time (based on the author's method of dating on the contents page). "Even after the papers began appearing in *The Electrician*, understanding dawned slowly, for

Heaviside's genius led him to make free and original use of mathematical tools not appreciated by even the most sophisticated contemporary—they were sometimes decades ahead of their rigorous elaboration and application to practical problems.” – *DSB*.

“His *Electrical Papers* were published in 2 vols. at London in 1892. His papers in *Electrician* were collected in 3 vols. entitled “*Electromagnetic Theory*” (London, 1893-1912; repr. 1922-1925).” This is the American issue of the *Electromagnetic Theory*. A new edition of *Electromagnetic Theory* (New York, 1950) contains a critical and historical introduction by Ernst Weber. The third volume was issued in 1912. Yavetz reported that a fourth volume was also found in manuscript, but never published. All original printings are rare on the market.

In the pre-Einstein world of physics, Heaviside seemed represent electromagnetic theory “as the art of talking about things without knowing what they really are.” (Yavetz, p. 134). He viewed electromagnetism as a field that would be eventually reduced to “matter and motion.” He said, “We are set down in space, to march with time, and have matter in motion everywhere around us.”

Oliver Heaviside (1850 – 1925), F.R.S., born in London, left school at 16, lacking a university education and started his career as a telegraph operator. He suffered from scarlet fever until he became partially deaf and thus could not continue in the field. He began to teach himself electrical engineering and eventually became a renowned mathematician and one of the world's premiere authorities on electromagnetic theory. “Working alone, Heaviside developed much of the mathematics behind the theory of telegraphy and electric circuits, formulating the now familiar concepts of impedance, self-inductance and conductance and using complex numbers in the analysis of alternating current networks many years before others did so” [Cambridge University Press]. “He adapted complex numbers to the study of electrical circuits, invented mathematical techniques to the solution of differential equations (later found to be equivalent to Laplace transforms), reformulated Maxwell's field equations in terms of electric and magnetic forces and energy flux, and independently co-formulated vector analysis. Although at odds with the scientific establishment for most of his life, Heaviside changed the face of mathematics and science for years to come” – [Wikipedia]. He was awarded the first Faraday Medal, a bronze medal established in 1922 to commemorate the 50th Anniversary of the first Ordinary Meeting of the Society of Telegraph Engineers (now the Institution of Engineering and Technology).

✧ *DSB*, VI, pp. 211-212; see also: Rollo Appleyard, *Pioneers of Electrical Communication*, London, 1930; William Bulloch, *Bulloch's Roll*; *DNB*, 1922-1930, pp. 412-414; *DSB* VI, pp. 211-212, Heaviside article by Charles Süsskind (UCB); *Landmark Writings in Western Mathematics 1640-1940*, edited by I. Grattan-Guinness, Roger Cooke, Leo Corry, Pierre Crépel and Niccolo Guicciardini, pp. 639-652; Nahin, Paul J., *Oliver Heaviside. Sage in Solitude. The Life, Work, and Times of an Electrical Genius of the Victorian Age*, 1987, 1988; Yavetz, Ido, *From Obscurity to Enigma: The Work of Oliver Heaviside, 1872-1889. The Work of Oliver Heaviside, 1872-1891* (Science Networks. Historical Studies). Birkhäuser Verlag, 1995.

519. **HEGEL, Johann Georg.** *Hegel 1770-1970; Leben, Werk, Wirkung. Herausgegeben von Kurt Leipner.* Stuttgart: Ernst Klett, 1970. 8vo. 262 pp. Illus. Printed wrappers; lightly used. Very good. Catalogue with 487 items. \$ 30

520. **HEAVISIDE, Oliver** (1850-1925). *The Heaviside Centenary Volume*. London: The Institution of Electrical Engineers, 1950. Tall 8vo. [vi], 98 pp. Frontis. portrait of a painting by Francis Edwin Hodge, 5 plates, figs., index. Original navy gilt-stamped cloth. Near fine. Most copies of this volume were issued in printed paper wrappers; this is the cloth issue. [HL] \$ 45
- In 1873 he declared “I remember my first look at the great treatise of Maxwell’s when I was a young man... I saw that it was great, greater and greatest, with prodigious possibilities in its power... I was determined to master the book and set to work. I was very ignorant. I had no knowledge of mathematical analysis (having learned only school algebra and trigonometry which I had largely forgotten) and thus my work was laid out for me. It took me several years before I could understand as much as I possibly could. Then I set Maxwell aside and followed my own course. And I progressed much more quickly... It will be understood that I preach the gospel according to my interpretation of Maxwell.” – T. K. Sarkar; Robert Mailloux, Arthur A. Oliner, M. Salazar-Palma, Dipak L. Sengupta, *History of Wireless*. John Wiley, (2006), p. 232.
521. **HELLMAN, Clarisse Doris**. “The Gradual Abandonment of the Aristotelian Universe: A Preliminary Note on Some Sidelights.” [No place] Offprint from: *Mélanges Alexandre Koyré*. ... 2. *L’Aventure de la Science*, [ca. 1960/61]. 8vo. [11] pp. Printed wrappers. Very good. Z1327 \$ 8
522. **HELLMAN, Clarisse Doris** (1910-1973). “A Bibliography of Tracts and Treatises on the Comet of 1577.” Reprinted from: *ISIS*, No. 63 (Vol. XXII, 1), December 1934. Bruges: Saint Catherine Press, 1934. 8vo. (41)-68 pp. Plates. Printed wrappers. Very good. Z1328 \$ 27
523. **HELMERT, Friedrich Robert** (1843-1917); **Institut für Angewandte Geodäsie**. *Akademie-Vorträge. Mit Einer Einführung von Ernst Buschmann, Potsdam. Und mit Einer Beitrag Helmeris Arbeiten zur Physikalischen Geodäsie von Martina und Günter Harnisch, Potsdam*. Frankfurt: Institut für Angewandte Geodäsie, 1993. Series: *Nachrichten aus dem Karten- und Vermessungswesen*, Reihe 1, Heft Nr.109. 8vo. 369 pp. 4 full page reproductions, tables. Green cloth, gilt-stamped cover and spine titles. Fine. Z1329 \$ 30
524. [**HELMHOLTZ, Hermann von** (1821-1894)] **Arnold BERLINER & August PÜTTER** [eds.]. *Dem Andenken an Helmholtz zur Jahrhundertfeier Seines Geburtstages. Die Naturwissenschaften, Heft 35. (Seite 673-708), 31. August 1921, Neunter Jahrgang*. Berlin: Julius Springer, 1921. 4to. 36 pp. Frontis. port. of Helmholtz with facsimile signature; browned. Original printed wrappers. Very good. Z1879 \$ 25
525. [**HENRY, Joseph** (1797-1878)] *A Memorial of Joseph Henry. Published by Order of Congress*. Washington: Government Printing Office, 1880. Large 8vo. iv, 528 pp. Engraved frontis. port. of Henry with facsimile autograph and tissue guard, index. Tan cloth, black stamped decorative cover borders, gilt-stamped spine titles; minor offsetting on title from frontis. Very good. Z1332 \$ 37
526. [**HENRY, Joseph** (1797-1878)] **Thomas COULSON**. *Joseph Henry: His Life and Work*. Princeton: Princeton University Press, 1950. FIRST EDITION. 8vo. vii, 352 pp. Frontis. port. of Henry, plates, tables and fig., index. Reddish brown cloth, black stamped spine title, dust-jacket; jacket has a few small chips. Very good. Z1334 \$ 35

527. [HENRY, Joseph (1797-1878)] **Edward N. DICKERSON.** *Joseph Henry and the Magnetic Telegraph. An Address Delivered at Princeton College, June 16, 1885.* New York: Charles Scribner's Sons, 1885. (225 x 150 mm). 65 pp. Printed wrappers with brown cloth spine. Bookplate of the Mary Jesup Blair Memorial Library. Very good. Lovely copy. Z1880

\$ 35

PROVENANCE: Violet Blair Janin (1848-1933), with her ownership signature. From a review of her biography: "Born into one of the leading families of elite Washington, Blair experienced remarkable success in society as a young woman. Beautiful and beguiling, she wielded her ability to manipulate men to receive, and refuse, numerous offers of marriage. In one of the book's more fascinating sections, Laas describes Blair's understanding that marriage would most certainly end the power she experienced as a belle. Unwilling to give up the sense of empowerment she experienced in making conquests of men, but also desiring marriage, Blair finally accepted the hand of the man she believed she could control even as his wife. It proved to be an unfortunate match. Albert Janin did indeed respect and encourage Blair's continued flirtations and intellectual pursuits, but his poor business sense poisoned their relationship. He lost not only his own money but his mother-in-law's and Blair's as well. Over time, Janin became an embarrassment and a disappointment, and the couple lived separately, leading what Blair called an 'unwedded married life.'" [McClintock, "Book Review: Love and Power in the Nineteenth Century: The Marriage of Violet Blair. By Virginia Jeans Laas." In: *Journal of American History*, Vol. 86, No. 1, June 1999].

528. [HENRY, Joseph (1797-1878)] **James C. WELLING.** "Notes on the Life and Character of Joseph Henry; Read before the Philosophical Society of Washington." Offprint from: *The Bulletin of the Society.* Philadelphia: Collins, 1878. 8vo. (i), 203-229 pp. Covers missing, but cords strong. Very good. Z1881

\$ 11

529. **HERMAN, Robert Alfred** (1861-1927). *A Treatise on Geometrical Optics.* Cambridge: University Press, 1900. 8vo. x, 344 pp. 107 figs., index. Original maroon blind and gilt-stamped cloth; worn. Heavily annotated by DR. Smith (or H. Robson, Cambridge, or T. Smith, Queens' College, or W.E. Smith, Caius College) for an edition.

\$ 20

"Andrew Forsyth reviewed the history of 'Tripos, and wrote, 'my old friend, R. A. Herman, who died a few years ago, a man of unusual manipulative skill, a great and stimulating teacher, the last of the great coaches.'"

530. **HERO OF ALEXANDRIA.** *The Pneumatics of Hero of Alexandria A Facsimile of the 1851 Woodcroft Edition. Introduced by Marie Boas Hall.* London: Macdonald: New York: American Elsevier, (1971). 8vo. XIV, xix, 141 pp. Illus. Turquoise gilt-stamped cloth; small nicks at edges of boards, minor ink number on title page. Bookplate of Barnabas Hughes. Good.

\$ 45

531. [HERSCHEL, Caroline (1750-1848)] **John Frederick William HERSCHEL** (1792-1871). "Miss Caroline Lucretia Herschel. Mir von Herrn Baronet Herschel gefälligst übersandt." In: *Astronomische Nachrichten*, No. 629, col. (65)-68. Altona: 1848 (280 x 230 mm). (65)-80 columns. Self-wrappers. Very good. Z1884

\$ 12

532. [HERSCHEL, John Frederick William (1792-1871)] **James H. LEECH.** *John Herschel and Victorian Science: Exhibition of Manuscripts, Photographs, Drawings, and Books from the History of Science Collection, March 3 - May 31, 1966.* [Catalog]. [Austin]:

University of Texas, Humanities Research Center 1966. One of 3000 copies. Oblong 8vo. 18 ff. Illustrations. Printed wrappers. Fine. Z1885 \$ 25

533. [HERSCHEL, John Frederick William (1792-1871)] Adolphe QUETELET. "Communications. Sir John-F.-W. Herschel... [Obituary] Notice." Offprint from: *Bulletins de l'Académie royale de Belgique*, 2me série, t. XXXI, No. 5; 1870. Bruxelles: F. Hayez, 1871. (225 x 140 mm). 8 pp. Self-wraps; edges a bit worn. Embossed stamp. Very good. Z1886 \$ 20

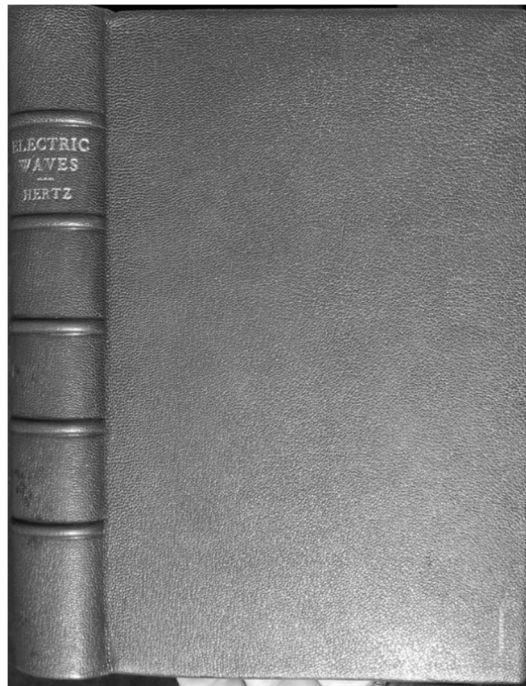
*The Original Printer's Sheets with Printed Cover – Never Bound!*

534. **HERSCHEL. John F. W.** "Seventh Catalogue of Double Stars, Observed at Slough, in the Years 1823-1828 Inclusive, with the 20-Foot Reflector; 84 of Which Have Not Been Previously Described." In: *Memoirs of the Royal Astronomical Society*, vol. XXXVIII, 1871. London: Royal Society, 1871. Unbound. 4to. (Article): 1-17 pp. Tables. (Whole issue): 118 pp. Articles, figs., tables; lacks all 5 plates, pages unbound and uncut, extremities slightly rubbed. Unbound printer's copy still unfolded and uncut, original printed wrappers present. Good. EXTREMELY RARE.

\$ 250

FIRST EDITION. This unbound printer's copy of the distinguished astronomical journal is very rare, and whilst containing all the printed matter and original wrappers, shows the process of the printer in creating the final copy. The pages are unfolded and uncut, and the wrappers in unusually fine condition owing to their lack of exposure. Part of Herschel's monumental effort in cataloguing celestial phenomena, and in particular double stars.

S7513





535. **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.

\$ 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 can 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.). \$11331

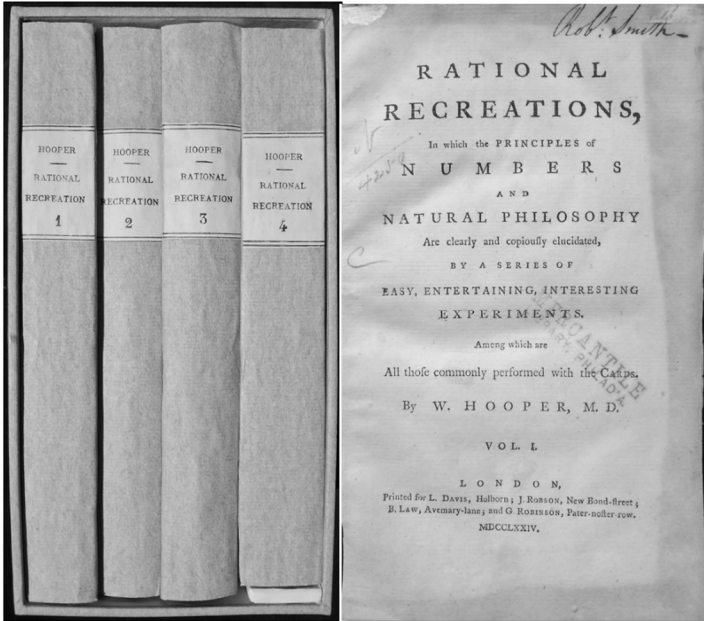
536. **HETHERINGTON, Norriss S.** (editor). *Cosmology: Historical, Literary, Philosophical, Religious, and Scientific Perspectives*. New York & London: Garland, 1993. 8vo. xi, 631 pp. Figs., index. Printed wrappers. Very good. ISBN: 0815309341 / 0-8153-0934-1 \$ 6.50
537. **HEVESY, George.** *Radioactive Indicators. Their Application in Biochemistry, Animal Physiology, and Pathology*. New York & London: Interscience Publishers, 1948. 8vo. xvi, 556 pp. Very large folding isotope chart in rear pocket, 97 figs, 208 tables, index. Green cloth, black- and gilt-stamped cover and spine titles, dust jacket; jacket edges chipped. Ownership signature. Fine. \$ 30
538. **HOBBS, William Herbert** (1864-1952). *An Explorer-Scientist's Pilgrimage: The Autobiography of William Herbert Hobbs*. Ann Arbor: J.W. Edwards, (1952). 8vo. 222 pp. Frontis. port. of Hobbs, plates, index; biblio. has been underlined and check-marked (in red and black pencil). Reddish-brown cloth, gilt-stamped cover and spine titles; spine faded (in red and black pencil). Former library copy. Very good. Z1351

\$ 50

Author's presentation inscription: "Inscribed to Larry [Laurence McKinley Gould (1896-1995)], My former student in whom I take such pride and for whom I have such affection, William." Gould was an American geologist, educator, and polar explorer, as well as the former President of Carleton College.

539. [HEYTESBURY, William] Curtis WILSON. *William Heytesbury, Medieval Logic and the Rise of Mathematical Physics*. Madison: University of Wisconsin Press, 1960. Second printing. Series: *The University of Wisconsin Publications in Medieval Science*, 3. 8vo. 219 pp. Index. Original cloth, dust-jacket; jacket heavily rubbed, short tear at bottom rear of wrapper. Ink ownership signature of David C. Lindberg. Very good. \$ 37  
 “Description of Heytesbury’s studies of temporal limits, maxima and minima, and measures of motions, with comparisons to related works” – Dauben no. 603. Claudia Kren no. 373.
540. [HILGARD, Eugene Woldemar (1833-1916)] Frederick SLATE. *Biographical Memoir of Eugene Woldemar Hilgard, 1833-1916*. Washington: National Academy of Science, 1919. Series: NAS, Biographical Memoirs, Part of Vol. IX. 8vo. 95-155 pp. Frontis. port. of Hilgard. Original printed wrappers. Very good. Z1887 \$ 10
541. HILL, Christopher. *Intellectual Origins of the English Revolution*. Oxford: Clarendon Press, (1966). 8vo. ix, 333 pp. Index. Cloth, dust-jacket; jacket worn at extremities. Ink ownership signature of David C. Lindberg. Very good. \$ 12
542. HILL, Christopher. *Some Intellectual Consequences of the English Revolution*. (Madison): University of Wisconsin Press, (1980). Series: *The Curti Lectures, University of Wisconsin-Madison*, 1976. 8vo. ix, 101 pp. Index. Cloth, dust-jacket. Fine. ISBN: 0299081400 / 0-299-08140-0 \$ 7.50
543. HIRSCH, A. *Le Général Ibañez, Notice Nécrologique lue au comité International des poids et mesures, le 12 Septembre et dans la Conférence Géodésique de Florence le 8 Octobre 1891*. Neuchatel: Imprimerie Attinger Frères, 1891. (300 x 230 mm). 15 pp. Printed wrappers; wraps chipped with pieces missing, nearly disbound. Fair. Rare. Z1890 \$ 15
544. HODGSON, Thomas. *The London Catalogue of Books Published in Great Britain. With Their Sizes, Prices, and Publishers’ Names. 1831 to 1855*. London: Thomas Hodgson, 1855. 4to. vi, 583 pp. Two color title (printed in red and black). Brown cloth, gilt-stamped cover and spine titles; extremities rubbed, outer hinge cloth torn, spine ends frayed. Former library copy with the usual markings and defects. Good. Z1352 \$ 35
545. HOFFLEIT, Dorrit. *Misfortunes as Blessings in Disguise: The Story of My Life*. Cambridge: American Association of Variable Star Observers, 2002. 8vo. xvii, 176 pp. Small title vignette of the Maria Mitchell Observatory, plates, index. Dark blue cloth, gilt-stamped cover and spine titles. Fine. ISBN: 1878174487 Z1353 \$ 150
546. HOGAN, Rev Michael. *Bacon and Newman Bar God From Service*. Jersey City: St. Peter’s College Press, 1939. Slim 8vo. xlvi, 133 pp. Red gilt-stamped cloth. Inscribed “compliments of [Hon.] David J. Walsh, August 5, 1939 (he is the dedicatee). RARE. \$ 30
547. HOBGEN, Lancelot (1895-1975). *Mathematics in the Making*. Garden City, NY: Doubleday & Co., (1960). 4to. 320 pp. Illus. maps diagrams, index. Ink signature of previous owner (front pastedown). Two-tone gilt-stamped cloth, dust-jacket; jacket a bit worn. Very good. [BH] \$ 5
548. HOGENDIJK, Jan P.; Abdelhamid I. SABRA (eds.). *The Enterprise of Science in Islam*. Cambridge: MIT Press, (2003). Series: *Dibner Institute in the History of Science*. 8vo. xxii, 386 pp. Figs., index. Cloth, dust-jacket. Fine. ISBN: 9780262194822 [BH] \$ 100

549. **HOLDEN, Edward Singleton** (1846-1914). *Index Catalogue of Books and Memoirs Relating to Nebulae and Clusters, etc.* Washington: Smithsonian Institution, 1877. Series: Smithsonian Miscellaneous Collections. No.311. 8vo. ix, 109, (110-111) pp. Plain gray paper wrappers with quarter black binders tape. Very good. Z1355 \$ 45
550. **HOLDEN, Edward Singleton** (1846-1914). *Publications of the Washburn Observatory of the University of Wisconsin.* Volume II. Madison: Democrat Printing, 1884. 8vo. v, 347, appendix 53 pp. Woodcut frontis. of Washburn Observatory, plates, tables; some pages marginally water-stained (very faint). Brown cloth, gilt-stamped spine title; lightly faded, corners a little bumped. The appendix is a catalog of the holdings within the Observatory's library. Very good. Z1356 \$ 50



[553]

551. [**HOLLEY, Alexander Lyman** (1832-1882)] *Memorial of Alexander Lyman Holley, C.E. LL.D. President of the American Institute of Mining Engineers, Vice-President of the American Society of Civil Engineers, Vice-President of the American Society of Mechanical Engineers, Member of the Institution of Civil Engineers, and of the Iron and Steel Institute of Great Britain, Etc., Etc. Born July 20, 1832. Died January 29, 1882.* New York: American Institute of Mining Engineers, 1884. 8vo. 224 pp. Artotype frontis. port. of Holley with facsimile signature and tissue guard, index. Tan cloth, black stamped cover and spine titles; extremities a bit foxed. Previous owner's rubber stamp (R.C. Canby, Consulting Metallurgist, Wallingford, Conn.). Very good. Z1765

\$ 20

Student's manuscript pages loosely placed in (relating to a personal study of the history of 19th century scientific figures (incl. Michael Faraday). Newspaper article from Philadelphia 1902 regarding the 70th anniversary of the Baldwin locomotive works, laid in.

PROVENANCE: Robert Culin Canby was an American metallurgist living in Wallingford, Connecticut.

552. **HOMET, Jean-Marie.** *Astronomie et Astronomes en Provence 1680-1730*. Aix-en-Provence: Edisud, (1982). Tall 8vo. 298 pp. Numerous illustrations; minor pencil marginalia (by Roger Hahn). Pictorial blue & white boards; back spine head scuffed/worn, paper-clip impression. Generally very good. ISBN: 2847441312 \$ 17

*One of the Earliest English Sources for Collecting  
Mathematical Puzzles, Card Tricks, Conjuring, Cryptography, etc.*

553. **HOOPER, William** (fl. 1770-1810). *Rational Recreations, in which the principles of numbers and natural philosophy are clearly and copiously elucidated, by a series of easy, entertaining, interesting experiments. Among which are All those commonly performed with the Cards*. London: Printed for L. Davis, Holborn, et al., 1774-82. 4 volumes. [4], xvi, 267, [1]; [4], xi, [1], 280; [4], xii, 296; [4] xi, [1], 367, [1] pp. 65 engraved folding plates; occasional browning or water-stains, Vol. I contemporary annotations and underlining, margins reinforced (including on titles). Modern plain gray paper wrappers; library rubber stamps to title-pages and a number of leaves, else very good. Vol. I title-page signature of Robert Smith. Slip-case. Very good.

\$ 950

FIRST EDITION (vols. 1-3); second edition, corrected (vol. 4), of Hooper's work, covering the following subjects: Volume I: Arithmetical and Mechanical Experiments; Volume II: Experiments in Optics, Chromatics and Acoustics; Volume III: Electrical and Magnetical Experiments (largely drawn from Priestley's history); Volume IV: Experiments in Pneumatics, Hydrology, and Pyrotechnics. With an Appendix of Miscellaneous Recreations. This Appendix pages 173-295, contains the conjuring, magic and card tricks, "Several of the Recreations in this Appendix have, in fact, but little relation to experimental philosophy, especially those that depend on a dextrous manoeuvre; but as experiments of this kind are commonly found in books of mathematical recreations, it seemed requisite to insert some of the most entertaining among them at the end of this treatise" (author's note).

"The social threat of charlatanism even gave rise to a new breed of scientists—'natural philosophers'—who sought to combat the world of sneaks and shams by exposing the secrets of visual illusion in the pages of optical treatises. William Hooper epitomized the type. In 1774, Hooper published *Rational Recreations*, a four-volume compendium of scientific experiments for the layperson that would undergo numerous reprintings. Hooper declared at the outset of his book that optical toys could hone visual perception and, consequently, prime social vigilance. Delivering a backhanded compliment to his audience, he predicted that the reader would "unavoidably acquire a knowledge of his own ignorance; and by finding the fallacy of what he thought most certain, the evidence of his senses, he will learn to determine with caution on the seeming convictions of the mind, and divest himself of those prepossessions from whence so many of the evils of life proceed." At the same time, however, Hooper ably stoked the very intrigue with magic and invisibility that probably led many readers to pick up his book in the first place: *Rational Recreations* featured dozens of experiments that promised ocular enigma, such as 'The Enchanted Palace,' 'The Penetrating Perspectives,' and 'The Boundless Gallery: [Bellion].

"Hooper's twofold appeal to rationality and fantasy underscores a central paradox of his occupation: the line separating dishonest swindlers from scientific demonstrators was far from absolute, and the latter, like the tricksters against whom they operated, were often motivated by commercial interests. In addition to revealing the hidden workings of illusionistic devices and instructing readers in do-it-yourself gadgetry,

optical treatises were occasionally bound together with catalogues selling optical, mathematical, and ‘philosophical’ instruments—shorthand descriptions for a variety of devices enlisted in the service of scientific experimentalism” (Bellion).

This work is cited for musical cryptography. Malcolm Gardner refers to “Hooper’s paradox” involving a right triangle, similarly appears in Hooper’s work in volume IV, p. 186.

Philip points out that Hooper states that much of this work stems from Guyot’s work, *Nouvelles Recréations Physiques et Mathématiques* - 1786. “We shall here add the description of a new method of imitating artificial fireworks, which appears to be the invention of the ingenious M. Guyot” – See Hooper volume IV p. 156.

In 1755 Hooper translated *Nouvelles Recréations Physiques et Mathématiques*, by Edme-Gilles Guyot. For the present edition Hooper also frequently refers to the works of Porta (1535-1615) and Jacques Ozanam (1640-1718).

✧ Bellion, Wendy. “Pleasing Deceptions.” *Common-place The Interactive Journal of Early American Life*. 3.1 (2002); Sidney W. Clarke & Adolphe Blind, *Bibliography of Conjuring*, 30; Frederickson, *Dissections: Plane & Fancy*, Cambridge University Press, 1997; Joseph S. Galland, *An Historical and Analytical Bibliography of the Literature of Cryptology*, (1945); Malcolm Gardner, *Mathematics Magic and Mystery*, 12 Dover, 1956, pp. 139-150; Trevor H. Hall, *A Bibliography of Books on Conjuring in English from 1580 to 1850*, 180; Edgar Heyl, *A Contribution to Conjuring Bibliography, English Language 1580-1850*, 32; Lowndes, Vol. IV, 1110; Paul Mottelay, *Bibliographical history Of Electricity And Magnetism*, 241; Philip, *A Bibliography of Firework Books*, p. 73, no. H110.2-5; Raymond Toole Stott, *A bibliography of English conjuring, 1581-1876*, no. 389; *Wheeler Gift Catalog*, Vol. I, p. 508 (2<sup>nd</sup> ed.).

554. [HOPKINS, Mark (1802-1887)] **Leverett Wilson SPRING**. *Mark Hopkins, Teacher*. Edited by Nicholas Murray Butler. New York: Industrial Education Association, 1888. Series: *Monographs of the Industrial Education Association*, Vol. I, No. 4. (230 x 145 mm). 32, ads. 4 pp. Printed wrappers; covers chipped, with minor spine pieces missing. Embossed stamp. Good. RARE. Z1893 \$ 10

555. **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 +.

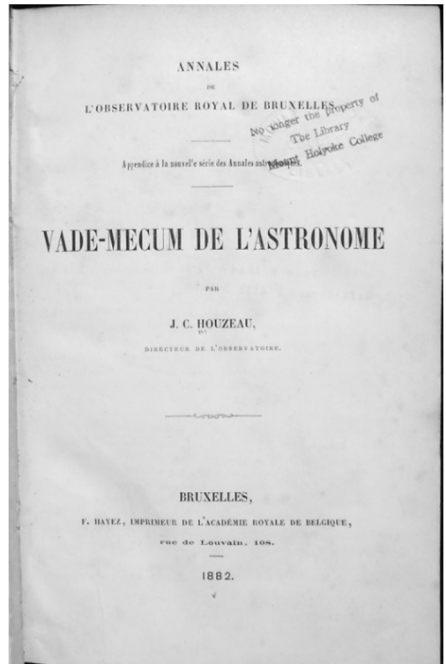
\$ 175

“Of the many names associated with the development of electrical engineering during the last quarter of the nineteenth century, John Hopkinson claims a position of undisputed and honoured pre-eminence” (Philosophical Magazine). “Hopkinson’s application of Maxwell’s electromagnetic theories to the analysis of residual charge and displacement in electrostatic capacity led to his selection as a fellow of the Royal Society in 1877....In addition to having been elected fellow of the Royal Society at twenty-nine, he was twice president of the Institution of Electrical Engineers. At forty-nine, Hopkinson, with three of his children..., was killed in a mountain climbing accident in the Alps” (*DSB*, Vol. VI, p. 504). “Original Papers...” *Philosophical Magazine*. 1902: p. 357. S11337

556. **HOOPYKAAS, R.** *Natural Law and Divine Miracle: A Historical-Critical Study of the Principle of Uniformity in Geology, Biology, and Theology.* Leiden: E. J. Brill, 1959. 8vo. xiii, 237 pp. Glossary, index. Tan cloth, gilt-stamped cover and spine titles. Previous owner's name inked in marker on front free endpaper (very small). Near fine. \$ 40
557. **HOPE, Eberhard** (1902-1983). *Mathematical Problems of Radiative Equilibrium.* London: Cambridge University Press, 1934. Series: *Cambridge Tracts in Mathematics and Mathematical Physics*, no 31. Sm. 8vo. viii, 104, [1] pp. Original printed wrappers. Very good. [HL] \$ 10
558. **HORIGAN, William Denis** [comp.]. "List of Publications Issued by the United States Naval Observatory, 1845-1908." In: *Publications of the United States Naval Observatory.* Second Series. Volume VI. Appendix III. Washington: Government Printing Office, 1911. Large 4to. xi, A-lxvii, A388, B152, C43, D36 pp. 10 plates (including frontis.), charts. Original full dark green cloth, gilt-stamped spine title. Fine copy. Z1358 \$ 50
559. **HOUGHTON, Bernard** (1935-1985). *Scientific Periodicals: Their Historical Development, Characteristics and Control.* (Hamden): Linnet Books and Clive Bingley, (1975). 8vo. 135 pp. Frontis., 22 numbered figs., index. Brown paper boards, silver stamped spine title, dust-jacket. Near fine. ISBN: 0208013636 Z1359 \$ 20
560. **HOUZEAU, Jean Charles** (1820-1888). *Vade-Mecum de L'Astronome. Annales de L'Observatoire Royal de Bruxelles. Appendice à la nouvelle série des Annales astronomiques.* Bruxelles: F. Hayez, Imprimeur de L'académie Royale de Belgique, 1882. Large 8vo. xxviii, 1144 pp. Pages 718 & 719 mistakenly numbered "618" & "619". Original half brown leather with burgundy cloth sides, gilt-stamped spine title with raised bands; neatly repaired. Former observatory library copy, Mount Holyoak College. Fine. Z1360

\$1,300

FIRST EDITION. This is the best guide up to 1882 for what was considered important among European professional astronomers. If it is not in here chances are it didn't matter. Early in his career Houzeau assisted at the Observatory in Brussels, and later spent time in North America (1857-1868) and Jamaica (1868-1876). He returned to Brussels and became director at the Royal Observatory of Belgium (1876-1883). Houzeau made a significant contribution to astronomy, including his monumental *Bibliographie generale de l'astronomie.*



561. [HOUZEAU, Jean-Charles (1820-1888)] A. LANCASTER. *Notes Biographiques sur J.-C. Houzeau. Avec Portrait.* Bruxelles: F. Hayez, 1889. 4to. cxx. Frontis. port. of Houzeau with facsimile signature. Printed wrappers; wraps a bit soiled. Rubber stamps on front cover (Dudley Observatory, Albany, NY). Pages uncut. Very good. RARE. Z1895

\$ 225

Jean-Charles Houzeau de Lehaie (1820–1888), Belgian astronomer and journalist, “The scientist moved to New Orleans after being removed from the Belgian Royal Observatory for “outspoken political views”. In Texas by 1858, he first worked as a surveyor, then moved to Uvalde and organized early scientific expeditions. He believed in the abolition of slavery and so aided the escape of some notable unionists from San Antonio. He soon had to flee, disguised as a Mexican laborer, into Mexico. Later in New Orleans, when the city had been taken by Federal forces, he ran a Union newspaper, the bilingual New Orleans Tribune - La Tribune de la Nouvelle-Orléans[2], then for eight years lived in Jamaica. Finally, having kept his European contacts, he was reinstated as director of the Royal Observatory in Brussels. In December 1882, however, Houzeau made a return trip to Texas. He led a scientific expedition to San Antonio to observe a locally visible transit of Venus across the face of the sun—in those days a method of measuring time and gravity.”

562. **HOWSAM, Leslie.** *Scientists Since 1660; a Bibliography of Biographies.* Aldershot: Ashgate, (1997). 8vo. vii, 150 pp. Maroon cloth. Fine. ISBN: 1859280358 / 1-85928-035-8

\$ 50

563. **HØYRUP, Jens** (1943-). *Lengths – Widths – Surfaces; A portrait of Old Babylonian Algebra and its Kin.* Roskilde, Denmark: University Center, 1999. Sm. 4to. vii, 435 pp. Double-page Photostat, prepublication of “manuscript in progress”. Yellow printed wrappers, spiral bound. Ink ownership signature of Barnabas Hughes, with some notes in his hand. Very good. [BH]

\$ 30

564. **HØYRUP, Jens** (1943-). *Old Babylonian Mathematical Procedure Texts; a selection of ‘Algebraic’ and related problems with concise analysis.* Preprint 3. Berlin: Max–Planck Institute for the History of Science, 1994. Max–Planck-Institut für Wissenschaftsgeschichte. 4to. 60 pp. Figs. Printed wrappers. Inscribed by author (“With regards”). Printed wrappers. Fine. Hoyrup is an internationally recognized expert on Babylonian mathematics. [BH]

\$ 25

565. **HØYRUP, Jens** (1943-). *Jacopo da Firenze’s Tractatus Algorismi and Early Italian Abacus Culture.* Basel, Boston, Berlin: Birkhäuser, (2007). Series: Science Networks Historical Studies, vol. 34. 8vo. xii, 482 pp. inscription by author and owner’s name on fly leaf, figs. diags. INSCRIBED BY THE AUTHOR; ownership signature of Barnabas Hughes. Very good +. Scarce. One of the first treatises on the abacus and the first to give algebra. This text translates into English a manuscript copy from ca. 1450. ISBN: 9783764383909 [BH]

\$ 75

566. **HULL, Callie & Clarence J. WEST** [comps.]. *Doctorates Conferred in the Sciences by American Universities, 1925-1929. Four Issues.* Washington, D.C.: National Research Council, 1927-1929. Four issues. Series: Reprint and Circular Series of the National Research Council, Nos. 75, 80, 86, 91. 8vo. 34, ads. [7]; 36, ads. [8]; 38; 46 pp. Printed wrappers. Former library copy with the usual markings. Very good. Z1364

\$ 55

567. **HUBBARD, Joseph Stillman** (1823-1863] **B. A. GOULD.** *Eulogy on Joseph S. Hubbard.* [Cambridge]: [Welch, Bigelow, 1863]. 6to. 44 pp. Original printed wrappers. Near fine. Rare. Z1896 \$ 50
568. **HUGH, OF SAINT-VICTOR; Jerome TAYLOR.** *Didascalicon of Hugh of St. Victor; a mediæval guide to the arts translated from the Latin with an introduction and notes by Jerome Taylor.* New York: Columbia University Press, (1968). Second printing. 8vo. xii, 254 pp. Index; ink underlining. Cloth, dust-jacket; jacket worn. Ink ownership signature of David C. Lindberg. Good (noting underlining). \$ 17
569. [**HUMBOLDT, Alexander von** (1769-1859)]. *Alexander von Humboldt. Wirkendes Vorbild für Fortschritt und Befreiung der Menschheit. Festschrift aus Anlass Seines 200. Geburtstages. Herausgegeben Im Auftrage der Kommission für die A.-v.-Humboldt-Ehrungen 1969 der Deutschen Demokratischen Republik von der Deutschen Akademie der Wissenschaften zu Berlin.* Berlin: Akademie-Verlag, 1969. 8vo. xviii, 153, color plates 8, supplement 31 pp. Port. plate of Humboldt, 8 color plates. Gray cloth, gilt-stamped cover autograph and spine title. Includes supplementary article by Alexander Abusch entitled, "Alexander von Humboldt – Gelehrter, Humanist, Freund der Völker." Eight separate scholarly papers each translated into German and Spanish. Very good. Z1768 \$ 10
570. [**HUMBOLDT, Alexander von** (1769-1859) & **Wilhelm HUMBOLDT** (1767-1835)] **Hermann KLENCKE & Gustav SCHLESIER.** *Lives of the Brothers Humboldt, Alexander and William. Translated and Arranged from the German... by Juliette Bauer.* London: Ingram, Cooke & Co., 1852. 8vo. vi, 431 pp. Port. plates of the Humboldts. Original blind-stamped decorative green cloth, gilt-stamped spine title. Near fine. Z1769 \$ 75
571. **HUMPHREYS, William Jackson** (1862-1949). *Of Me – W.J. Humphreys.* Washington, D.C.: (Garamond), 1947. FIRST EDITION. 8vo. vii, 375 pp. Plates. Maroon cloth, gilt-stamped cover and spine titles; extremities a bit speckled. SIGNED PRESENTATION COPY FROM THE AUTHOR: "M.W. Stirling, Compliments of the Author, W.J. Humphreys." This work features extensive bibliographies of Humphreys' papers and books. Very good +. Z1771 \$ 45
572. **HUNTER, Michael.** *Establishing the New Science; The Experience of the Early Royal Society.* (Suffolk): The Boydell Press, (1995). 8vo. xiv, 382 pp. Frontis., 12 plates, index. Cloth, dust-jacket; jacket edges creased. Ownership ink signatures, including one of David C. Lindberg. Very good +.

\$ 100

First edition was in 1989. "This book gives a fresh view of the formative years of Britain's oldest scientific institution, the Royal Society of London, founded in 1660. It consists of a series of detailed case-studies of key episodes in the Society's early evolution, based on the extensive and illuminating documentation that survives. Taken together, these essays give a telling picture of the actual process by which this seminal institution developed. They illustrate disagreements among its leading members as to the proper purpose of such an organisation; the constraints imposed by practical difficulties and external circumstances; and, above all, the extent to which the experience of trying to run a scientific institution for the first time proved educative in itself. MICHAEL HUNTER is Reader in History, Birkbeck College, University of London, where he has taught since 1976. He is the author of various publications on the history of the early Royal Society and the history of ideas in the late 17th century." ISBN: 0851155065 / 0-85115-506-5



573. [HUMBOLDT, Alexander von (1769-1859)] Halina NELKEN. *Humboldtiana at Harvard*. Cambridge: Widner Library, 1976. 8vo. 101 pp. Color frontis., illus. Red printed wrappers. Very good. \$ 6
574. [HUXLEY, Thomas Henry (1825-1895)] Alan P. BARR [ed.]. *Thomas Henry Huxley's Place in Science and Letters. Centenary Essays*. Athens and London: University of Georgia Press, (1997). FIRST EDITION. Series: University of Georgia Humanities Center Series on Science and the Humanities. 8vo. xiii, 353 pp. Small title port. of Huxley, 6 illustrations. Blue cloth, silver stamped spine, dust-jacket. Fine. Z1365 ISBN: 0820318655 \$ 12
575. [HUXLEY, Thomas Henry (1825-1895)] Edward CLODD (1840-1930). *Thomas Henry Huxley*. New York: Dodd, Mead, 1902. FIRST EDITION. Series: Modern English Writers. 8vo. xiii, 252 pp. Index. Gilt-stamped green cloth. Bookplate of H. E. Plumer, M.D. Very good. Z1773 \$ 13.50
576. HUYGENS, Christiaan. *Treatise on Light In which are explained The Causes of that which occurs In Reflexion, & in Refraction And particularly In the strange Refraction of Iceland Crystal. Rendered into English by Silvanus P. Thompson*. Chicago: University of Chicago Press, (1960). Fourth printing. 8vo. xii, 128 pp. Cloth, dust-jacket; jacket torn. Bookplate of William Coleman (Cambridge, 1962). Very good. \$ 8
577. IBBETSON, William John. *An Elementary Treatise on the Mathematical Theory of Perfectly Elastic Solids with a short account of Viscous Fluids*. London & New York: Macmillan, 1887. 8vo. xiii, [3], 515 pp. Index. Original dark green blind and gilt-stamped cloth. INSCRIBED BY THE AUTHOR to "Prof. J.J. Thomson, F.R.S., with the Author's kind regards, Ap. 20th, 1887." [HL] \$ 350
578. IFRAH, Georges. *Histoire Universelle des Chiffres*. Paris: Seghers, 1981. 8vo. 567 pp. 245 figs. Pictorial boards; extremities worn. Good +. A history of figures, signs, symbols. ISBN: 2221502051 \$ 15
579. [Indian Science] *Biographical Memoirs of Fellows of the National Institute of Sciences of India. 1966. Volume 1*. New Delhi: National Institute of Sciences of India, 1966. 8vo. 186 pp. Plates. Gray cloth, gilt-stamped spine title, dust-jacket; cloth speckled and stained, jacket rubbed with some light edge wear. Very good. Z1367 \$ 35
580. Istituto della Enciclopedia Italiana. *Enciclopedia delle Scienze Fisiche. Volume I [A-CRIO]*. Rome: Istituto della Enciclopedia Italiana Fondata da Giovanni Treccani, (1992). 4to. xxxiii, 829 pp. Numerous figs., 56 color plates. Original dark green morocco-backed gilt-stamped gray cloth. Fine (like new). Scarce. Features many detailed articles on nuclear or atomic physics. Well-illustrated. Volume one only of a 6-volume set [A-Z]; vol. 7 is a dictionary. Director: Giuseppe Tedone. \$ 75
581. Inter-IREM Commission. *History of Mathematics Histories of Problems*. Paris: Ellipses, 1997. Tall 8vo. [ii], 429 pp. Illus., figs., index. Pictorial boards. Ink ownership signature of Barnabas Hughes and related date on opposite ffepp. Very good +. ISBN: 2729847308 [BH] \$ 5
582. [International Astronomical Union] *Commission 41 (History of Astronomy) of the IAU. Bibliography of Books and Papers Published [in 1960-1966] on the History of Astronomy. 8 issues*. Moscow: IAU, 1962-1967. 8 issues. 8vo. 8; 9; 8; 16; 11; 8; 22; 21 pp. Stapled self-wraps (three issues in printed wrappers). Very good. Z1369 \$ 35

583. **ISIS; Peter Dear** (editor). *The Scientific Enterprise in Early Modern Europe. Readings from ISIS*. Chicago and London: University of Chicago Press, (1997). 8vo. 337 pp. Illus. Printed wrappers. Ink ownership signature of David C. Lindberg. Very good. \$ 5
- With 14 papers by Lesley B. Cormack, Margaret Osler, Robert S. Westman, Richard S. Westfall, Thomas S. Kuhn, Bruce S. Eastwood and B.J.T. Dobbs among others. The topics or papers include: "The Melanchthon Circle, Rheticus, and the Wittenberg Interpretation of the Copernican Theory," Tycho Brahe and Andreas Libavius, Occult, "Galileo, Motion and Essences", "Science and Patronage: Galileo and the Telescope", van Helden, "The Telescope in the Seventeenth Century," Descartes, Robert Boyle, "Newton's Alchemy and his Theory of Matter," etc. ISBN: 0226139476 / 0-226-13947-6
584. **IWANENKO, Dmitri** (1904-1994); **Alec SOKOLOV**. *Klassische Feldtheorie*. Berlin: Akademie-Verlag, 1953. 8vo. XI, 347 pp. Indexes. Maroon gilt-stamped cloth; spine end a bit worn. Very good. Dmitri Ivanenko, Professor of Moscow State University, made a great contribution to the physical science of the twentieth century, especially to nuclear physics, field theory, and gravitation theory. [HL] \$ 25
585. **JACOB, Margaret C.** *The Newtonians and the English Revolution 1689-1720*. Ithaca: Cornell University Press, 1976. 8vo. 228 pp. Bibliography, index. Orange cloth, blue-stamped spine, dust-jacket. Ink ownership signature of David C. Lindberg. ISBN: 0801409810 / 0-8014-0981-0 \$ 40
586. **JACOBS, Harold R.** *Mathematics A Human Endeavor A book for those who think they don't like the subject*. New York: W.H. Freeman, 1994. Tall 8vo. xiii, 678 pp. Figs., index. Pictorial boards. As new. ISBN: 071672426X / 0-7167-2426-X [BH] \$ 20
587. **JACQUART, Danielle, & Claude THOMASSET**. *Sexuality and Medicine in the Middle Ages. Translated by Matthew Adamson*. Princeton: Princeton University Press, (1988). 8vo. vi, 242 pp. Illus., index. Cloth, dust-jacket. Fine. \$ 40
- "Providing fresh insight into the medical and literary texts of the Middle Ages, this work shows how many of the medical and moral questions that preoccupy us in the twentieth century appear, surprisingly, to have worried our medieval ancestors as well. Through a detailed analysis of both expert and lay writings, Danielle Jacquart and Claude Thomasset examine the conceptions of sexuality that were created by doctors, by theologians, and by romantic and erotic literature. In the first section of the book they discuss how ideas of physiology, venereal disease, and purity were described, and the influence of anatomical tracts on popular perceptions of the body. The second part charts a history of erotic art and, through this, the differing conceptions of Eastern and Western sexuality. Finally, the authors present a history of the body, analyzing problems of impotence and hysteria and how female sexuality in itself came to be perceived as corrupt and diseased." ISBN: 0691055505 / 0-691-05550-5
588. **JAFFE, Bernard**. *Outposts of Science: A Journey to the Workshops of Our Leading Men of Research*. New York: Simon and Schuster, 1935. FIRST EDITION. 8vo. xxvi, 547 pp. Plates, 33 numbered figs., index. Black cloth, silver printed paper label, dust-jacket; jacket worn and chipped. Very good. SCARCE in jacket. Z1375 \$ 15

589. **JEANS, James Hopwood** (1877-1946). *The Mathematical Theory of Electricity and Magnetism*. Cambridge: Cambridge University Press, 1908. Large 8vo. vi, [2], 536 pp. Index; faint stains pp. 48-51, light offsetting from cellophane tape used for fastening Mylar cover to pastedowns. Navy blue cloth, blind double-ruled covers, gilt-stamped spine; extremities lightly worn (spine head and extremities). Ownership signature of Dr. J. M. Nuttall, with his additional signatures at p. i & v. Very good.

\$ 75

FIRST EDITION of Jeans' textbook on electricity and magnetism.

"Though trained in mathematics and physics, Sir James Hopwood Jeans was best known for his work in astronomy. Jeans was the first to suggest that matter is continually created throughout the universe and pioneered a number of ideas furthering the disciplines of astronomy and astrophysics. He also introduced the tidal theory of the origin of the solar system. A prolific writer, Jeans was the author of a number of widely read, popular books and textbooks" (Oakes, p. 371).

PROVENANCE: Dr. John Mitcham Nuttall (1890-1958) was a professor of physics at the University of Manchester in the early 20th century. Nuttall was "appointed Assistant Director of Physics in 1920, [and] did some work on secondary beta-rays from X-rays" (Todd, p. 56). He worked under Ernest Rutherford.

"Nuttall graduated from the University of Manchester in 1911 and was appointed Assistant Lecturer in Physics at the University of Leeds. During WWI he served as a Captain with the Royal Engineers. In 1921 he became Assistant Director of the University of Manchester's Physical Laboratories, a post he held until 1955," after which he retired (Wikipedia).

✧ Oakes, Elizabeth H. "Jeans, Sir James Hopwood." *Encyclopedia of World Scientists*. New York: 2007; Todd, Neil. *Historical and Radio-Archaeological Perspectives on the Use of Radioactive Substances* By Ernest Rutherford. University of Manchester: 2008. See: Ekelöf p. 63.

590. **JEANS, Sir James**. *The Growth of Physical Science*. Cambridge & New York: University Press; Macmillan, 1948. 8vo. x, 364 pp. Frontispiece, 13 plates. Black cloth, gilt-stamped spine title; spine lettering dulled, covers rubbed. Very good. \$ 8

591. **JEANS, Sir James Hopwood** (1877-1946). *Report on Radiation and the Quantum-Theory*. London: 'The Electrician', 1914. Series: *The Physical Society of London*. 8vo. iv, 90 pp. Original printed wrappers; spine worn. Ink ownership signature of Chas. H. Kebby. [Provenance]: Charles H. Kebby, Imperial College of Science, South Kensington, is named in the Regulations and Courses for Internal Students, University of London, 1916, p.261. See: Great Britain. Parliament. House of Commons, Papers by Command, vol. 27, 1914, "The prize for the best student in Mathematics was awarded to Mr. C. H. Kebby." Very good. [HL] \$ 85

592. **JEFFREYS, Harold**. *Cartesian Tensors*. Cambridge: University Press, 1931. 8vo. vi, [2], 92, [1] pp. Index. Dark green gilt-stamped cloth, dust-jacket; jacket extremities worn. HEAVILY ANNOTATED THROUGHOUT by Charles H. Kebby with his notes mostly on inserted sheets written in red and black ink [not signed by Kebby, but because we have other items from his library we can compare his handwriting favorably]. [HL] \$ 30

593. **[Jewish Science]** *Aleph; Historical Studies in Science & Judaism*. No. 1. 2000. Jerusalem: The Hebrew University of Jerusalem, (2001). 8vo. 351 pp. Original printed wrappers. Very good. \$ 27
- Edited by Gad Freudenthal. Contains eleven articles on Jewish science, including Bernard R. Goldstein, "Astronomy and the Jewish Community in Early Islam," Dov Schwartz, "From Theurgy to Magic: The Evolution of the Magical-Talismanic Justification of Sacrifice in the Circle of Nahmanides and his Interpreters," and Sarah Stroumas, "'Ravings': Maimonides' Concept of Pseudo-Science." ISBN: 15651525
594. **JOHNSON, Walter Rogers** (1794-1852) **George PETTENGILL E.** "Walter Rogers Johnson." Offprint from: *Journal of the Franklin Institute*, Vol. 250, No. 2, August 1950. Lancaster: Lancaster Press, [1950]. (240 x 160 mm). 93-114 pp. Illustration. Printed wrappers. Very good. Z1899 \$ 8
595. **JOHNSTON, George.** *A History of British Sponges and Lithophytes*. Edinburgh, London & Dublin: W. H. Lizars, S. Highley & W. Curry and Co., 1842. 8vo. xii, 264 pp. 25 plates (some color); light foxing. Original blind-stamped brown cloth, gilt-stamped spine title; spine ends worn. Very good. S9157 \$ 245
596. **JOLLIVET, Marcel; Henri MENDRAS.** *Les Collectivisés Rurales Françaises*. Paris: Amand Colin, 1971. Tome 1 of 2 only. Series: *Le Groupe de Sociologie Rurale du Centre National de la Recherche Scientifique*. 8vo. 222 pp. Figs. Original printed wrappers; soiled covers. Very good. \$ 12
597. **JONES, Joseph Ramon, John Esten KELLER.** *The Scholar's Guide. A translation of the twelfth-century Disciplina Clericalis of Pedro Alfonso*. Toronto: The Pontifical Institute of Mediaeval Studies, 1969. Sm. 8vo. 117 pp. Index. Printed wrappers. Fine. \$ 13.50
598. **JORDANUS, Nemorarius; BUSARD, H.L.L.** *Jordanus de Nemore, De Elementis Arithmetice Artis; A Medieval Treatise on Number Theory. Part I: Text and Paraphrase. [with]: Part II: Conspectus Siglorum and Critical Apparatus*. Stuttgart: Franz Steiner, 1991. Series: Boethius, band XXII-I & XXII-II. 2 volumes. 8vo. 372; 188 pp. Printed wrappers. Fine. ISBN: 3515052143 [BH] \$ 125
599. **JÖRGENSEN, Alfred.** *The Micro-Organisms of Fermentation Practically Considered. Edited from the German by G. Harris Morris...* London: F.W. Lyon, 1889. 8vo. xiii, 166 pp. Original terracotta cloth, beveled boards, black- and gilt-stamped cover and spine titles; edges bumped, rubbed. Bookplate of Kew Royal Gardens. Very good. \$ 40
600. **JOSEPH, George Gheverghese.** *The Crest of the Peacock; Non-European Roots of Mathematics*. New York: Penguin Books, (1992). 12mo. xv, 371 pp. Figs., index. Printed wrappers. Ink marks to ffep. Very good. ISBN: 014012529 [BH] \$ 5
601. **JOSTEN, C.H.** *Elias Ashmole (1617-1692)*. Oxford: Ashmolean Museum & Museum of the History of Science, 1985. 8vo. [12] pp. Color pictorial printed wrapper. Fine. [BH] \$ 5
602. **KACZYNSKA, Anna Danuta.** *French Literary Journals; a selected annotated guide*. Berkeley: University of California, 1977. 4to. 94 ff. Indexes. Orange printed wrappers. Rare. Seventeenth through twentieth century French journals. \$ 20

603. **[JUST, Ernest Everett (1883-1941)] Kenneth R. MANNING.** *Black Apollo of Science: The Life of Ernest Everett Just.* New York and Oxford: Oxford University Press, 1983. Fourth printing, 8vo. 397 pp. Photo plates, index. Quarter black cloth with black paper boards, gilt-stamped spine title, dust-jacket. Very good. Includes an extensive bibliography of Just's publications. ISBN: 0195032993 Z1383 \$ 8

604. **KAKU, Michio & Daniel AXELROD.** *To Win a Nuclear War: The Pentagon's Secret War Plans.* Foreword by Ramsey Clerk. Boston: South End Press, (1987). 8vo. [iv], xi, 357 pp. Bibliography, index. Original printed wrappers. SIGNED AND INSCRIBED from Kaku to M. Eisenberg in ink at half-title. Presentation card from Dr. Paul D. Stein laid-in, with select passages on pp. 241-2 underlined. Very good. ISBN: 0896083217

\$ 25

FIRST EDITION of this analysis of U.S. nuclear arms policy, based on declassified Pentagon documents.

Kaku (b. 1947) "is an American theoretical physicist, the Henry Semat Professor of Theoretical Physics in the City College of New York of City University of New York, a futurist, and a 'communicator' and 'popularize' of science. He has written several books about physics and related topics; he has made frequent appearances on radio, television, and film; and he writes extensive online blogs and articles. He has written two New York Times best sellers, *Physics of the Impossible* (2008) and *Physics of the Future* (2011). He has hosted several TV specials for BBC-TV, the Discovery Channel, and the Science Channel" (*Wikipedia*).

605. **KALLENBACH, Max.** *Die Herstellung spiegelnder Flächen. Eine Teilweise Uebersetzung und Ergänzung der Sammlung: The Physical Society of London and The Optical Society, A Discussion on "The Making of Reflecting Surfaces"...* Berlin: Central-Zeitung für Optik und Mechanik, 1926. Series: *Sammlung optischer Aufsätze*, Heft 7. 8vo. 61 pp. Previous owner's penciled signature on front cover. Printed wrappers; covers and pages browned. Very good. Z1384 \$ 25

606. **[KANT] BENEKE, Friedrich Eduard.** *Kant und die philosophische Ausgabe unserer Zeit. Eine Jubelendschrift auf die Kritik der reinen Vernunft.* Berlin: Posen und Bromberg, 1832. FIRST EDITION. 8vo. [iv], 104 pp. Foxed, margins stained. Modern paste-paper over boards, ms. paper spine label; spine ends chipped, corners showing. Very good. RARE. S6958 \$ 175

*First English Language book on Kant's philosophy*

607. **[Kant] NITSCH, Friedrich August.** *A General and Introductory View of Professor Kant's Principles Concerning Man, the World, and the Deity, Submitted to the Consideration of the Learned.* London: J. Downes, 1796. 8vo. [iv], 234 [miss-numbered as "134"] pp. Olive library buckram. Peabody Institute Library, Baltimore, bookplate, with related inventory rubber stamp (tp verso) and embossed stamp. Very good. RARE.

\$ 800

First edition. The first English Language book on Kant's philosophy. Friedrich August Nitsch (c.1767-1813?) was born in Gumbinnen in East Prussia (now Gusev, Russia) and died around 1813. "Published in London. Nitsch, a German from Königsberg, had spent about three years in London, where he gave courses of lessons on Kant's philosophy. In this work, "the author expounded Kant's system in its two parts, the theoretical and the practical, according to the method of exposition derived from Reinhold, in particular from Versuch but also from the Briefe. His

dependence on Reinhold's Versuch is evident also in the content. Nitsch himself admitted this both in the introduction to the book (p.7) and also in a letter of 25 July 1794 to Kant, the only one that has been preserved from an exchange of letters which covered a period of more than four years, in which, as well as informing him of the efforts that he was making to spread the critical system in England, he let him know that he was writing, in English, an 'Einleitung' to the Kantian system 'according to Reinhold.'" Giuseppe Micheli, 'The Early Reception of Kant's Thought in England 1785-1805' in *Kant and his Influence*, edited George Macdonald Ross and Tony McWalter." – 18th century bibliography.com.

☼ See: *The Dictionary of Eighteenth-Century German Philosophers*, Edited by Heiner F. Klemme and Manfred Kuehn. Oxford University Press, 2010.

608. **KAPTEYN, Jacobus Cornelius** (1851-1922)] **Cornelis EASTON** (1864-1929). *Persoonlijke Herinneringen Aan J.C. Kapteyn. Overdruk Uit Hemel en Dampkring Augustus/September 1922.* Groningen, Den Haag: J.B. Wolters, 1922. 8vo. 20 pp. Illustrations (including half-tone port. plate of Kapteyn). Printed wrappers; a bit worn and creased, tiny hole in rear cover. Former library copy with the usual markings and defects. Very good. Z1385 \$ 30
609. **KAPTEYN, Jacobus Cornelius** (1851-1922)] **Henrietta Mariette Albertine Augustine HERTZSPRUNG-KAPTEYN.** *The Life and Works of J. C. Kapteyn. An Annotated Translation with Preface and Introduction by E. Robert Paul. Reprinted from Space Science Reviews, Volume 64, Nos. 1-2, 1993.* Dordrecht, Boston, London: Kluwer Academic Publishers, (1993). 8vo. xix, 92 pp. 14 illustrations. Pictorial boards. Fine. ISBN: 0792326032 Z1387 \$ 55
610. **KARPINSKI, Louis Charles** (1878-1956). *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. Figs., indexes. Dark blue cloth, blind stamped cover emblem, gilt-stamped spine title. Former library copy with the usual markings and defects. Very good. Z1388 \$ 95
611. **KARPINSKI, Louis Charles**(1878-1956). *The History of Arithmetic.* Chicago, IL: Rand McNally & Co., 1925. 12mo. xii, 200 pp. fronts., ills. Handwritten dedication by author on p. v "To Dr. Franklin H. Bethel, with appreciation, Xmas Greetings, 1935, Louis Karpinski". Near fine. [BH] \$ 45
612. **KEMP, D. A.** *Astronomy and Astrophysics: A Bibliographical Guide. Foreword by Professor H.A. Brück.* London: Macdonald and Archon Books, 1970. Series: The Macdonald Bibliographical Guides. 4to. xxiii, 584 pp. Indices. Red cloth, gilt-stamped spine title, dust-jacket; cloth slightly spotted. Ownership stamps on free front end-paper and bottom fore-edge of Mark R. Chartrand. Very good. Z1391 \$ 55
613. **KEMP, Martin.** *The Science of Art; Optical Themes in western art from Brunelleschi to Seurat.* New Haven & London: Yale University Press, (1990). 4to. viii, 375 pp. Profusely illustrated, index. Color printed wrappers; corner bumped. Very good. \$ 15
614. **[KENNELLY, Arthur Edwin** (1861-1939)] **Vannevar BUSH.** *Biographical Memoir of Arthur Edwin Kennelly, 1861-1939.* Washington: National Academy of Sciences, 1941. Series: NAS, Biographical Memoirs, Vol. XXII, Fifth Memoir. 8vo. 83-119 pp. Frontis. port. of Kennelly with facsimile signature. Printed wrappers. Fine. Z1902 \$ 8

615. **KEPLER, Johannes**(1571-1630). *Dioptrice. With an introduction by Michael Hoskin.* Cambridge: Heffer & Sons, 1962. 8vo. vii, 28, 80 pp. Diagrams. Parchment, gilt spine, slip-case. Ownership ink signature of David C. Lindberg. Fine. Scarce. \$ 85

616. **KEPLER, Johannes** (1571-1630). *Neue Astronomie Übersetzt Und Eingeleitet Von Max Caspar.* München – Berlin: R. Oldenbourg, 1929. 4to. 66\*, 416 pp. XIII + 68 diagrams; occasional pencil marginalia by Lindberg. Black gilt-stamped cloth; rear hinge cracked. Ink ownership signatures of William Duane Stahlman and David C. Lindberg. Very good +. \$ 85

German edition of Kepler's *Astronomia nova*, first published in 1609, the first modern astronomy book. In this work, Kepler bypassed ancient conceptions of order and harmony to focus on the true movements of the planets and the mathematical and physical laws governing them. It is Kepler's most important work and one of "the most decisive cosmological books of the world." - Armitage. Armitage, *John Kepler*, pp. 67-75; Caspar, *Bibliographia Kepleriana* 159; DSB, VII, pp. 289-312.

PROVENANCE: Stahlman wrote a paper for *ISIS*, "Astronomical Dating Applied to a Type of Astrological Illustration," (1956). He received his Ph.D. from Brown in 1960; then he wrote with Owen Gingerich, *Solar and Planetary Longitudes for Years -2500 to +2000 by 10 Day Intervals*, (1963).

617. **KEPLER, Johannes** (1571-1630). *Optics. Paralipomena to Witelo & Optical Part of Astronomy. Translated by William H. Donahue.* Santa Fe: Green Lion Press, (2000). Tall 8vo. xv, 459 pp. Figs., index. Cloth, dust-jacket. INSCRIBED BY THE TRANSLATOR TO DAVID C. LINDBERG. Ownership ink signature of David C. Lindberg. Fine. ISBN: 1888009128 / 1-888009-12-8 \$ 75

618. **KEPLER, Johannes** (1571-1630). *Welt-Harmonik; Übersetzt und eingeleitet von Max Caspar.* München: R. Oldenbourg, 1967. 4to. 56\*, 403 pp. Diagrams. Black gilt-stamped cloth. Ink ownership signatures of William Duane Stahlman and David C. Lindberg. Very good +. \$ 80

PROVENANCE: Stahlman wrote a paper for *ISIS*, "Astronomical Dating Applied to a Type of Astrological Illustration," (1956). He received his Ph.D. from Brown in 1960; then he wrote with Owen Gingerich, *Solar and Planetary Longitudes for Years -2500 to +2000 by 10 Day Intervals*, (1963).

619. **[KEPLER] Georg ALTER.** "Kepler und die moderne Naturwissenschaft." Eger: Literarischen Adalbert-Stifter-Gesellschaft, 1931. Series: *Publikationen der Sternwarte der Deutschen Universität in Prag*, Neue Folge Nr. 14. (225 x 175 mm). 12 pp. 4 plates. Printed wrappers. Rubber stamps. Originally printed in *Sudetendeutschen Jahrbuch* 1931. Fine. Z1903 \$ 25

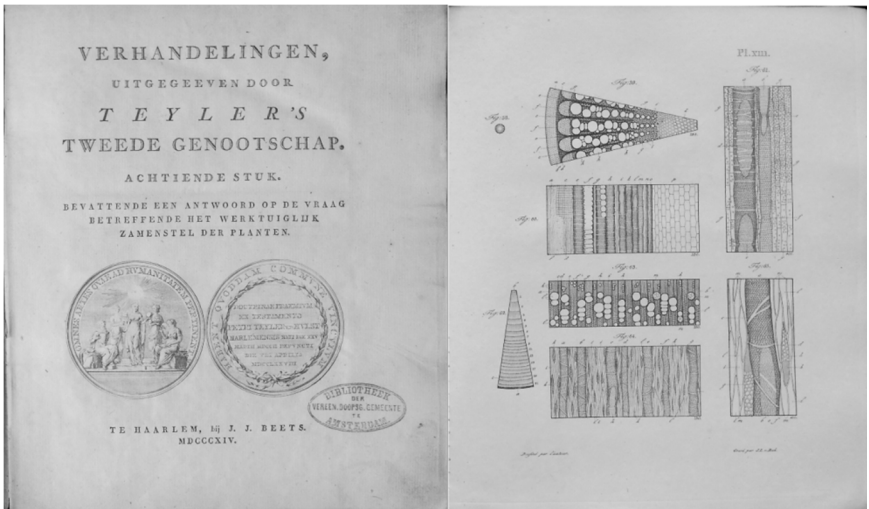
620. **[KEPLER, Johannes] Max CASPAR.** *Bibliographia Kepleriana; ein Führer durch das gedruckte Schrifttum von Johannes Kepler. Im Auftrag der Bayerischen Akademie der Wissenschaften unter Mitarbeit von Ludwig Rothenfelder hrsg. von Max Caspar. ... Martha List.* München: C.H. Beck, 1968. Second edition. 4to. xiv, 181 pp. Illustrations. Original quarter vellum backed boards. Ink ownership signature of David C. Lindberg. Fine. \$ 125

First issued in 1936, now expanded. ISBN: 3406016871

621. [KEPLER, Johannes (1571-1630)] Owen GINGERICH. "Kepler's Treatment of Redundant Observations or, the Computer Versus Kepler Revisited." Offprint from: Internationales Kepler-Symposium, Weil der Stadt, 1971, Arbor scientiarum, ser. A, Vol. 1. Hildesheim: Dr. H.A. Gerstenberg, 1973. (235 x 165 mm). 307-314 pp. Illus. Self-wraps. Near fine. Z1905 \$ 9
622. [KEPLER] Rudolf KLUG. "Johannes Kepler in Oberösterreich. Zur Erinnerung an seinen dreihundertsten Todestag." Offprint from: Jahrbuch des oberösterreichischen Musealvereines, Band 83. Linz: J. Wimmer, 1930. (260 x 175 mm). (61)-74 pp. Printed wrappers. Very good. Z1908 \$ 20
623. [KEPLER] Owen GINGERICH. *The Mercury Theory from Antiquity to Kepler*. Cambridge: Smithsonian Institution, Astrophysical Observatory, 1968. (280 x 210 mm). 13 pp. 6 figs. Stapled pages. Fine. Z1907 \$ 10
624. [KEPLER] Rudolf KLUG. "Weltharmonik. Zum Todestage Johannes Keplers am 15. November 1630." Offprint from: 80. Jahresbericht des Bundesgymnasiums in Linz a.d. Donau. Linz: Buchhandlung F. Steurer, 1931. (230 x 155 mm). 18 pp. Printed wrappers. Fine. RARE. Z1909 \$ 20

Rare

625. [KEPLER] Karl STÖCKL (1873-1959). Kepler's Schriften. Sonderabdruck aus dem Regensburger Anzeiger. Regensburg: Gebrüder Habbel, (n.d.). Small 8vo. 16 pp. Printed wrappers. Very good. Rare. Z1397 \$ 75
626. [KEPLER] A. WILKENS. "Kepler-Festschrift." Offprint from: Von Kepler zur Modernen Theorie der Planetaren Bewegungen. Regensburg: Graphische Kunstanstalt Heinrich Schiele, 1930. Series: *Naturwissenschaftlicher* (Früher Zoologisch-Mineralogischer) Verein zu Regensburg XIX. Heft: Bericht für die Jahre 1928/1930. (225 x 145 mm). 314-326 pp. Printed wrappers. Fine. RARE. Z1910 \$ 30





627. **KIESER, Dieterich Georg.** *Mémoire sur l'Organisation des Plantes ou Réponse à la Question Physique Proposée par la Société Teylerienne.* Haarlem: J.J. Beets, 1814. Series: *Verhandelingen, Uitgegeven door Teyler's Tweede Genootschap. Achiende stuk. Bevattende een Antwoord op de Vraag betreffende het werktuiglijk zamenstel der planten.* 4to. xxi, 345 pp. Series title, 22 engraved plates. Original boards, original printed spine label; spine worn, joints splitting. Original binding untouched. Bookplate. RARE.

\$ 1,500

This is the author's prize-winning essay for the Teylerian Society in Haarlem in 1812. The work is both a review of earlier botanical literature, but it also puts forth an early form of cell theory.

“... Dietrich Georg Kieser (who published after the award of the Gottingen prize), is of interest for three reasons: first, because although he was a German and a professor at Jena, the definitive statement of his position, the *Mémoire sur l'Organisation des Plantes* was written in French; second, because he wrote a widely read textbook, in German, in 1815, the *Elemente der Phytotomie*, and third, because he is mentioned by Dumortier, the discoverer of binary fission, as one of the principal proponents of the view that cells arise from subcellular granules. The *Mémoire sur l'Organisation des Plantes* was submitted as a prize essay for a competition organized by the Teylerian Society on the subject of plant fine structure, and especially on the tubes and vessels to be found in plants. Kieser's essay won the prize and became very well known. It begins with a detailed review of the work of [Robert Hook, Marcello Malpighi, Nehemiah Grew (1641-1712), Leeuwenhoek, Henri-Louis Du Hamel du Monceau, Sir John Hill, Martin Van Marum, Mustel, Johann Hedwig, Jean Senebier, Christian Sprengel, Ludolph Christian Treviranus, Heinrich Friedrich Link (1767-1850), Karl Asmund Rudolphi (1771-1832) (the “father of helminthology”) and Mirbel], and it is, in this respect, one of the most useful of nineteenth century compendiums of botanical history. As for Kieser's own ideas on the organization of plants, he takes the view that ‘Les plantes sont composées en grande partie de cellules, qui forment un tissu cellulaire.’ (‘Plants are composed in large part [that is, not entirely] of cells, which form a cellular tissue.’) He believed that these cells arose from an infinity of tiny, transparent globules to be found in the sap. These globules were through to enlarge, cohere and, as a result of external pressures, assume their final shape. ... He regarded the cells of lower plants, which retained their ellipsoidal shape, as the most primitive forms. In higher plants, however, the cells were forced by reciprocal pressures into a shape that he now defined more specifically as a dodecahedral rhombus. These pressures were said to obey strict mathematical laws, but how the forces were exerted and what mathematical laws they obeyed are not stated [referring to his later work, *Elemente der Phytotomie*]...” Henry Harris, *The Birth of the Cell*, 2000, - page 45.

Stevens cites Kieser's work as a model of the post-Linnean treatises that sought to organize and categorize major fields of the natural sciences. “The various shades of meaning it encompassed prefigure many of the questions — evolutionary, genetic, developmental, mechanistic, functional, anatomical, and physiological — that would be addressed in biology later in the nineteenth century.” Kieser links Lamarck and Treviranus to using terms that organize biology, as with Kieser, but they also do not address “organization” specifically.

Dieterich Georg KIESER (also Dietrich Georg von Kieser, 1779 - 1862), born in Harburg, Germany, studied medicine at the Universities of Würzburg and

Göttingen, receiving his doctorate in 1801. He was appointed director of a Jena mental hospital in 1816. The following year he began teaching psychiatry at the university and opened a private sanatorium. For most of his career he was a professor at the University of Jena, where from 1824 to 1862. Kieser was also a learned scholar of natural sciences. While working as a professor at the University of Jena, Kieser operated a private ophthalmology clinic from 1831 to 1847, and from 1847 until 1858 he was director of the Grand Ducal Mental Hospital. He was an advocate of balneology, and beginning in 1813 was a physician at the therapeutic spas at Heilbad Berka. With Adam von Eschenmayer (1768-1852) he published the 12-volume *Archiv für den thierischen Magnetismus* (Archive for Animal Magnetism), for which he contributed numerous articles. He found positive or negative charges everywhere, dichotomies rules the cosmos. "Organs within one and the same body were believed to magnetize each other." [Wallace-Gach]. He died in Jena.

✧ See: Peter Francis Stevens, *The Development of Biological Systematics: Antoine-Laurent de Jussieu, Nature, and the Natural System*, Columbia University Press, 1994 - page 198. Edwin R. Wallace, *John Gach, History of Psychiatry and Medical Psychology: With an Epilogue on Psychiatry and the Mind-body Relation*, Springer-Verlag, 2008, pages 342-43.

628. **KIRCHHOFF, Gustav Robert** (1824-1887) & **Robert Wilhelm Eberhard BUNSEN** (1811-1899). *Chemische Analyse durch Spectralbeobachtungen*. Contained in: *Annalen der Physik und Chemie*, vol. 110, No. 6, pp. 161-189, 1860. Leipzig: Johann Ambrosius Barth, 1860. 8vo. (209 x 130 mm) x, 660 pp. 8 folding engraved plates. Original quarter mottled calf over marbled boards, gilt-stamped red spine label; rear board paper discolored. Bookplate of Andras Gedeon. Very good.

§ 600

FIRST EDITION of THE DISCOVERY OF CESIUM BY SPECTROSCOPIC ANALYSIS. "The impetus to [Untersuchungen über das Sonnen-spectrum und die Spectren der chemischen Elemente] came from Bunsen's desire to identify salts from their colour in the flames of a 'Bunsen burner', a device that had very high temperature but low luminosity. Beginning with coloured pieces of glass, on Kirchhoff's suggestion he turned to spectrographic recordings. These studies soon led to the discovery of several new elements such as caesium and rubidium and eventually to Kirchhoff's law of the spectral distribution of radiation from a 'black body'. [Gedeon]. "Bunsen was exploring the possibility of analyzing salts on the basis of the distinctive colors they gave to flames containing them; he had tried with some success to use colored pieces of glass or solutions to distinguish similarly colored flames. Kirchhoff pointed out that a much finer and surer distinction could be obtained from the characteristic spectra of such colored flames; unknown to him, the approach had been tried before, if only in a dilettantish way. By rigorous experimentation, however, Bunsen and Kirchhoff soon put the method on a firm basis. The burner invented by Bunsen gave a flame of very high temperature and low luminosity, which emitted line spectra of great sharpness... The power and importance of spectral analysis became immediately apparent: its very first systematic application to alkali compounds led Bunsen to the discovery of two new alkaline elements, cesium [this paper] and rubidium." [DSB]. *DSB* Vol. VII, p. 381; Gedeon, *Science and technology in medicine*, #49.2 (pp. 259, 261). S9499

629. **KITCHINER, William** (1777-1827)] **Tom BRIDGE & Colin Cooper ENGLISH**. Dr. William Kitchiner, Regency Eccentric, Author of the Cook's Oracle. (East Sussex): Southover Press, 1992. Series: Southover Historic Cookery and Housekeeping Series. 8vo. xii, 176 pp. Illustrations (many full page), index. Black cloth, gilt-stamped spine title, dust-jacket. Fine. ISBN: 1870962079 Z1399 \$ 15

630. **KLEIN, Felix.** *Vorlesungen über die Entwicklung der Mathematik im 19. Jahrhundert.* New York: Chelsea, 1950. 2 volumes. 8vo. xiii, 385; x, 208 pp. Figs., index. Blue cloth, gilt spine. Very good. \$ 65  
 Christian Felix Klein (1849–1925), German mathematician, known for his work in group theory, complex analysis and the connections between geometry and group theory. His work remains highly influential in both Euclidean and non-Euclidean geometry. The text was edited by Richard Courant, Otto Neugebauer and Cohn-Vossen. Richard Courant (1888-1972): German-American mathematician, left Germany in 1933, to Cambridge and then to New York where he established the Courant Institute of Mathematical Sciences. Otto Neugebauer (1899-1990): Austrian-American mathematician; the National Academy of Sciences called Neugebauer “the most original and productive scholar of the history of the exact sciences, perhaps of the history of science, of our age.” Stefan Cohn-Vossen (1902-1935): The Cohn-Vossen transformation is also named for him. Because he was Jewish he emigrated to the USSR in 1934 but died shortly thereafter due to pneumonia. Translates to: *Lectures on the development of mathematics in the 19th Century.*
631. **KLEIN, Jacob.** *Greek Mathematical Thought and the Origin of Algebra.* Translated by Eva Brann. With an appendix containing Vieta's Introduction to the analytical art. Translated by... J. Winifree Smith. Cambridge & London: MIT Press, (1972). Second printing. 8vo. xv, 360 pp. Index. Cloth, dust-jacket. Ownership ink signature of David C. Lindberg. Fine. \$ 40
632. **KLINE, Morris.** *Mathematical Thought from Ancient to Modern Times.* New York: Oxford University Press, 1972. 8vo. xvii, 1238 pp. Figs., index. Blue silver-stamped cloth, dust-jacket; jacket extremities very worn. Formerly issued as three separate volumes (all inclusive here). Very good. [BH] \$ 15
633. **KNESER, Adolf** (1862-1930). *Die Integralgleichungen und ihre Anwendungen in der mathematischen Physik. Zweite umgearbeitete Auflage.* Braunschweig: Friedrich Vieweg & Sohn, 1922. Second edition. 8vo. viii, 292 pp. Original printed wrappers; spine heavily over-taped with cellophane tape. Scarce. First issued in 1911 Kneser was a distinguished mathematician. DSB VII, pp. 407-408. [HL] \$ 10
634. **KNIGHT, David Marcus.** Natural Science Books in English, 1600-1900. New York and Washington: Praeger, (1972). FIRST EDITION. Series: Illustrated Book Series. 8vo. x, 262 pp. 4 color plates (including frontis.), 96 numbered illustrations, index. Dark green cloth, gilt-stamped spine title, dust-jacket; cloth slightly speckled, jacket faintly rubbed. Very good. Z1400 \$ 10
635. **KNOBEL, Edward Ball** (1841-1930). “Reference Catalogue of Astronomical Papers and Researches.” [No place] Reprinted from: Monthly Notices of the Royal Astronomical Society for November, 1876. (215 x 140 mm). (365)-392 pp. Paper wrappers; covers stained, spine starting. Inked notations and ownership signature on front cover. Very good. Z1402 \$ 30
636. **KOHLRAUSCH, K.W. Fritz.** *Ausgewählte Kapitel aus der Physik; Nach Vorlesungen an Der Technischen Hochschule in Graz. V: Aufbau der Materie.* Vienna: Springer-Verlag, 1949. [Part V of V]. Sm. 8vo. x, 306 pp. 120 figs., index. Original bluish-green printed wrappers. Near fine. \$ 10



*Miklós Konkoly-Thege*

637. **KONKOLY, Nicolaus von [Miklós Konkoly-Thege]** (1842-1916). *Handbuch für Spectroscopiker im Cabinet und am Fernrohr. Practische Winke für Anfänger auf dem Gebiete der Spectralanalyse*. Halle a. S.: Wilhelm Knapp, 1890. 8vo. xvii, [1], 568 pp. Illus. 340 figs. Original gilt-stamped quarter maroon morocco over marbled boards, raised bands; cover joints reinforced with kozo. Former library bookplate, stamp perforation on p. 1, all edges ink stamped. Good reading copy. RARE.

§ 185

Konkoly-Thege, born in Budapest, was an astronomer and meteorologist, was a member of the Hungarian Academy of Science since 1876. There is an observatory in Budapest named for him (he donated it to the state in 1899). "In 1871 he erected a small 3 inch telescope, of the Bardou type, on the balcony of his castle, so that he could observe celestial events for his own amusement. Soon his ambitious nature moved him to undertake more difficult projects. He was determined to establish a school of Astronomy in a country, where not a single observatory was in existence; the last one was blown to bits 22 years earlier, on the order of the Austrian military authorities. In 1874 he built an observatory of two domes in the park of his palace at Ógyalla. In one of the domes he erected a 10.5 inch Browning reflector, in the other a 6 inch Merz refractor which was augmented with a Zöllner type spectroscope. The photographs, compiled in the Ógyallan Catalogue of Spectra by Radó Kövesligethy, were produced using this instrument. A Rheinfelder heliograph was used for the observation of the sun. The observatory housed an extensive collection of spectrometers. ... Konkoly's knowledge of astronomy, his soaring ideas, and his understanding of the design and manufacture of instruments can be judged on the basis of his monumental handbooks:" *Praktische Anleitung zur Anstellung astronomischer Beobachtungen mit besonderer Rücksicht auf die Astrophysik* (1883), *Praktische Anleitung zur Himmelsphotographie nebst einer kurzgefassten Anleitung zur modernen photographischen Operation und der Spectralphotographie im Cabinet* (19987), and *Handbuch für Spectroscopiker in Cabinet und am Fernrohr*. Halle, 1890. - Magda Vargha and Zoltán Kolláth, THE FIRST CENTURY OF THE KONKOLY OBSERVATORY, Konkoly Observatory Budapest, Hungary.

☼ *The Pioneering Astrophysical Work of Miklós Konkoly Thege*. Tihany & Ungarn, *One Hundred Years of Observational Astronomy and Astrophysics - Homage to Miklós Konkoly Thege (1842-1916)* - zum Gedenken an die Gründung des Konkoly Observatoriums Budapest im Jahr 1899, 13. August 1999 (13.-15. August 1999). University of Hamburg, lectures 1994.

638. **KOWALEWSKI, Gerhard**. *Einführung in die Infinitesimalrechnung: mit einer historischen Übersicht*. Leipzig: Teubner, 1913. Second ed. Series: *Aus Natur und Geisteswelt*, Bändchen 197. 16mo. 106 pp. 22 figs. Original black-printed tan cloth. Very good.

§ 12

Dr. Gerhard Kowalewski (1876 –1950) was a German mathematician and member of the Nazi party who introduced the matrices notation. He was a member of Saxon Academy of Sciences and the Société Mathématique de France and he was known to support the advancement of women in the field of mathematics. – Wikipedia.

639. **KOYRÉ, Alexandre**. *De la mystique à la science; Cours, conférences et documents 1922-1962*. Éditées par Pietro Redondi. Paris: Éditions de l'École des Hautes Etudes en Sciences Sociales, (1986). Series: *Histoire des Sciences et des Techniques*, 2. 8vo. xxvii, 227 pp. 24 figs., index; minor ink underlining. Printed wrappers. Very good (noting underlining). Very scarce. ISBN: 2713208737

§ 25

640. **KOYRÉ, Alexandre**. *Études Galiléennes, Vols. I-III. I: A l'Aube de la Science Classique. II: La Loi de la Chute des Corps: Descartes et Galilée. III: Galilée et la Loi d'Inertie*. Paris: Hermann 1939. Series: *Actualités Scientifiques et Industrielles*, 852-3-4. Three volumes. 8vo. 73; 76; 184 pp. Original printed wrappers; slightly worn at extremities, but generally very good. Ownership signatures of Roger Hahn. Very good.

§ 100

Alexandre Koyré (1892–1964), was a French philosopher of Russian (named Alexandr Vladimirovich Koyranskiy) origin who wrote on the history and philosophy of science. He was awarded the Sarton Medal by the History of Science Society in 1961.

“Fundamental to the study of Galileo’s scientific work” – Stillman Drake in *DSB V*, p. 248. “It was in the United States in the immediate post-war years that *Études galiléennes*, not much noticed amid the distraction of scholarship by war, found its widest and most enthusiastic public, a case of the right book becoming known at the right time. A new generation of historians of science came upon *Études galiléennes* as upon a revelation of what exciting intellectual interest their newly found subject might hold, a book which was no arid tally of discoveries and obsolete technicalities, nor a sentimental glorification of the wonders of the scientific spirit, nor yet (despite the author’s Platonism) a stalking horse for some philosophical system, whether referring to science like the positivist outlook or to history like the Marxist. Instead, they found a patient, analytical, and still a tremendously exciting history of the battle of ideas waged by the great protagonists, Galileo and Descartes, in their struggle to win through to the most fundamental concepts of classical physics.” – *DSB VII*, p. 48, Charles C. Gillispie.

641. **KREN, Claudia**. *Medieval Science and Technology: A Selected, Annotated Bibliography*. New York & London: Garland, 1985. Series: *Smithsonian series of Bibliographies of the History of Science and Technology*, 11; *Garland Reference Library of the Humanities*, 494. 8vo. xxi, 369 pp. Green gilt-stamped cloth. Ink ownership signature of David C. Lindberg. Very good. ISBN: 0824089693 / 0-8240-8969-3 [BI2929]

§ 37

642. **KRAMER, Edna E.** *The Nature and Growth of Modern Mathematics*. New York: Hawthorn Books, 1970. Tall 8vo. xxiv, 758 pp. Figs, index. Black yellow-stamped cloth. Bookplate of Barnabas Hughes and signature. Very good. [BH] \$ 5

643. **KRANZ, Gene.** *Failure Is Not an Option: Mission Control from Mercury to Apollo 13 and Beyond*. Norwalk, CT: Easton Press, (2007). Collector's edition. 8vo. 415 pp. Frontispiece, index. Gilt-stamped leather, five raised spinal bands, a.e.g., silk end-leaves and place-keeping ribbon. SIGNED BY THE AUTHOR. Mint.

\$ 50

Kranz (b. 1933) "is a retired NASA Flight Director and manager. Kranz served as a Flight Director, the successor to NASA founding Flight Director Chris Kraft, during the Gemini and Apollo programs, and is best known for his role in directing the successful Mission Control team efforts to save the crew of Apollo 13, which later became the subject story of a major motion picture of the same name. He is also noted for his trademark close-cut flattop hairstyle, and the wearing of dapper white 'mission' vests (waistcoats), of different styles and materials made by his spouse, Marta Kranz, during missions for which he acted as Flight Director. A personal friend to the American astronauts of his time, Kranz remains a prominent and colorful figure in the history of U.S. manned space exploration, literally, the embodiment of 'NASA tough-and-competent' of the Kranz Dictum. Kranz has been the subject of movies, documentary films, and books and periodical articles. Kranz is a recipient of a Presidential Medal of Freedom. In a 2010 Space Foundation survey, Kranz was ranked as the #2 most popular space hero" (*Wikipedia*).

644. **KRETZMANN, Norman** (editor). *Infinity and Continuity in Ancient and Medieval Thought*. Ithaca, New York: Cornell University Press, 1982. 8vo. Cloth, dust-jacket; jacket nicked at head of spine. Ink ownership signature of David C. Lindberg. Very good.

\$ 50

The contributors include David J. Furley, Richard Sorabji, Wilbur R. Knorr, Ian Mueller, John E. Murdoch, Edith Dudley Sylla, Paul Vincent Space, et al. The topics or papers include issues relating to the writings of Aristotle, math & philosophy, "William of Ockham and the Logic of Infinity and Continuity," "Infinite Indivisibles and Continuity in Fourteenth-Century Theories of Alteration," etc. Claudia Kren no. 316. ISBN: 080141444X / 0-8014-1444-X

BL2930

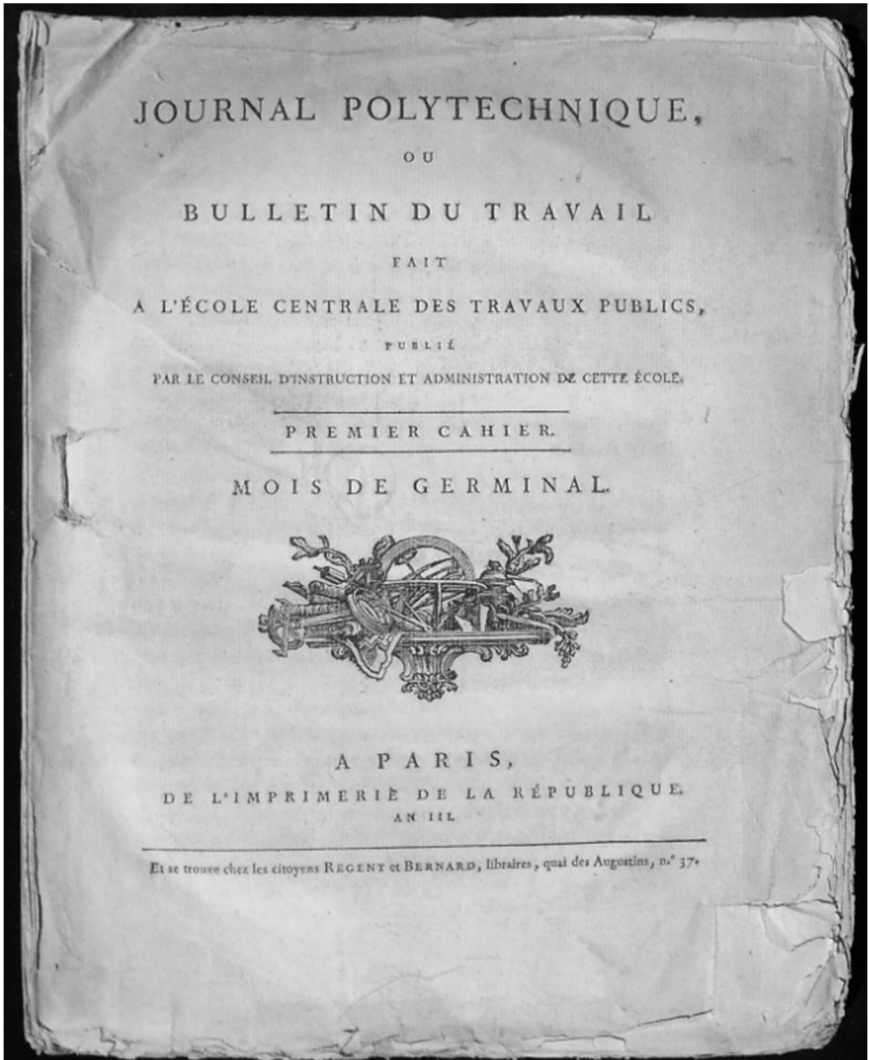
645. **KRITZINGER, H.H.** [ed.]. *Sirius, Rundschau der gesamten Sternforschung für Freunde der Himmelskunde und Fachastronomen. Band 55, Mai/Juni 1922*. Leipzig: Eduard Heinrich Mayer, 1922. (240 x 160 mm). 81-120, ads. [2] pp. Plate. Original printed wrappers; bottom spine end chipped. Very good. Z1911 \$ 20

646. **KUHN, Thomas Samuel, John L. HEILBRON, Paul FORMAN, Lini ALLEN.** *Sources for History of Quantum Physics. An Inventory and Report*. Philadelphia: American Philosophical Society, 1967. Series: *Memoirs of the American Philosophical Society*, vol. 68. Tall 8vo. Cloth, dust-jacket; jacket quite worn, else very good. Ownership signature of Roger Hahn.

\$ 22

Preface by John Archibald Wheeler. Contains biographies of the noted theoretical physicist Arnold Sommerfeld (1868-1951) and the German physicist and Nobel laureate James Franck (1882-1964). In 1925, Franck received the Nobel Prize in Physics, mostly for his work in 1912-1914, which included the Franck-Hertz experiment, an important confirmation of the Bohr model of the atom.

647. **KUHN, Thomas Samuel** (1922-1996), et al. Sources for History of Quantum Physics: An Inventory and Report. Philadelphia: American Philosophical Society, 1967. FIRST EDITION. Series: Memoirs of the APS, Vol. 68. 8vo. ix, 176 pp. Indexes. Light charcoal cloth, silver stamped spine title. Library bookplate and rear pocket, else unmarked. Very good. Z1404 \$ 22



*Period of the Scientific Revolution*

648. **LAGRANGE, Joseph Louis, Siméon Denis POISSON**, et al. *Journal de l'École Polytechnique*. Paris: L'Imprimerie de la République, [1794]-1813. 4to. Various paginations. 13 *cahiers* in 12 volumes. Original printed wrappers (not uniform: Some in original publisher's wrappers, one in wrappers reversed and printed in 1892, a few other volumes in early quarter calf, plain boards; a mixed gathering but unified by the

handsome slip-cases), housed in beautiful modern quarter gilt-stamped calf over brown cloth slipcases with gilt-stamped red leather spine labels; extremities torn, occasional faint stains or cracked spines, Cahs. 4 & 11.IV lacking cases and bound in worn quarter leather over decorative paper-backed boards with gilt-stamped red leather spine labels, Cahs. 7-8.III bound in worn decorative paper-backed boards with spine missing pieces. From the library of L. Pearce Williams (not signed). Very good in near fine cases. ONE OR MORE VOLUMES WITH PRESENTATION INSCRIPTIONS.

\$ 2750

RARE COLLECTION of papers published by the renowned l'École Polytechnique founded by Gaspard Monge during the French Revolution in 1794; includes the first volume issued by the *École Polytechnique*. Approximately 1000 copies of each journal ere printed (Grattan-Guinness, p. 219).

Papers cover topics ranging from theoretical mathematics to physics to astronomy, written by leading French scholars including Joseph Louis Lagrange (1736-1813), Pierre-Simon Laplace (1749-1827), André-Marie Ampère (1775-1836), Gaspard Monge (1746-1818), Gaspard Clair François Marie Riche de Prony (1755-1839), Louis Nicolas Vauquelin (1763-1829), Siméon Denis Poisson (1781-1840), Augustin-Louis Cauchy (1789-1857), Claude Louis Berthollet (1748-1822), Antoine François, comte de Fourcroy (1755-1809), Barnabé Brisson (1777-1828), Pierre-Louis Dupuis de Torcy (1770-1803) and others.

The École Polytechnique “embodied a visionary perspective which asserted that science could transform the world. In contrast to the defunct *Académie des Sciences* of the *Ancien Régime*, the founders of the *École Polytechnique* were all men devoted to the ideals of the Revolution. Their school was to be a school for the science of the Revolution. They embraced an essentially industrial version of the power of science to transform society and nature. The *École* provided the institutional context for the teaching of a radically innovative mathematics theorizing on the movements of machines. It was the greatest achievement of the Revolution in technical instruction. In some ways it was the most significant advance in the whole history of technical education in Europe to that date” (Heller, p. 136).

“For ten years, from 1794 to 1804, the École’s students led a studious life and some eminent scholars emerged from its ranks, such as the mathematicians Poisson and Poinot, the physicists Biot and Fresnel, the chemist Gay-Lussac and the astronomer Arago. The École’s excellence was certainly the reason why Bonaparte chose to take Monge and Berthollet, both teachers at the École, and 42 students who had either just left or were still studying there with him to Egypt on his scientific and military expedition.

“But in the Paris of the Directory, then of the Consulate and the Empire, the young students who worked hard at the École often showed themselves to be lacking in discipline outside, especially as the direction followed by the political regime was not to their taste. In order to regain control of the École, Napoleon decided to give it a military regime and to lodge the students in barracks. A decision was taken in 1804 to move them to the Montagne Sainte Geneviève into the disused premises of the Collège de Navarre and Collège de Boncourt. The École Polytechnique stayed in these prestigious but inconvenient premises until 1976. It also owes its flag and motto to Napoleon: ‘For country, science and honour’ (“polytechnique.edu”).

List of volumes included, with select feature articles:



**[LAGRANGE continued]** Cah. 1. [1795]. *Mois de Germinal*. Featuring: “Cours d’analyse appliquée à la mécanique” by Gaspard C.-F.-Marie Riche de Prony. 92-119 [article], viii, 189, [2] pp. [entire journal]. Folding table and loose folding plate. Prony was a French mathematician and engineer, specializing in hydraulics. “He was a member, and eventually president, of the French Academy of Science. He was also elected a foreign member of the Royal Swedish Academy of Sciences in 1810. His name is one of the 72 names inscribed on the Eiffel Tower” (*Wikipedia*)

Cah. 3. [1796]. *Messidor, Thermidor, et Fructidor*. Featuring: “Chimie, I Division: Substances salines” by Vauquelin [and] “Observations sur les propriétés eudiométriques du phosphore” by Berthollet. 349-418 [Vauquelin article], 274-278 [Berthollet article], xvi, [2], 209-444 pp. [entire journal]. Vauquelin was a French pharmacist and chemist. “From 1809 he was professor at the University of Paris. In 1816, he was elected a foreign member of the Royal Swedish Academy of Sciences. He was elected to the Chamber of Deputies in 1828. In 1806, working with asparagus, he and Pierre Jean Robiquet (future discoverer of the famous red dye alizarin, then a young chemist and his assistant) isolated the amino acid asparagine, the first one to be discovered. He also discovered pectin and malic acid in apples, and isolated camphoric acid and quinic acid” (*Wikipedia*).

Berthollet was a French chemist “known for his scientific contributions to theory of chemical equilibria via the mechanism of reverse chemical reactions, and for his contribution to modern chemical nomenclature. On a practical basis, Berthollet was the first to demonstrate the bleaching action of chlorine gas, and was first to develop a solution of sodium hypochlorite as a modern bleaching agent” (*Wikipedia*).

Cah. 4. [1797]. Featuring: “Chimie: Des propriétés de l’Acide sulfureux et de ses combinaisons avec les bases terreuses et alcalines” by Fourcroy & Vauquelin. 445-458 [article], xviii, 445-744, [3] pp. [entire journal]. Folding tables and plates, title-page signature. “The action of sulfuric acid on vegetable substances was studied by Fourcroy and Vauquelin in 1797, and they showed that it did not always act as an oxidizing agent, as was generally believed, but sometimes decomposed vegetable matter by removing water from it, even though the water was not originally present as such but only as its elements. The sulfuric acid was unaltered chemically, and the reaction ceased when it became too dilute. In the particular case of alcohol, which yielded ether when treated with sulfuric acid, they considered that hydrogen and oxygen were removed from the alcohol, forming water, but the liberation of carbon that they observed led them to believe that the reaction was more complicated. Later, chemists recognized that the carbon came from impurities in the alcohol, but Fourcroy and Vauquelin had made an important contribution to the development of the theory of etherification” (*DSB*, Vol. V, p. 92).

Cah. 5, Tome II. [1798]. Bound in printed wrappers dated 1892. Featuring: “Mémoire sur la détermination d’un plan qui reste toujours parallèle à lui-même, dans le mouvement d’un système de corps agissant d’une manière quelconque les uns sur les autres, et libres de toute action étrangère” by Laplace. 155-159 [article], iv, 208, iv pp. [entire journal]. Includes other papers by Prony, Fournier, Fourcroy, Lagrange, etc. Laplace was a French mathematician and astronomer whose work was pivotal to the development of mathematical astronomy and statistics.

Cah. 6, Tome II. [1799]. Featuring: “Solutions de quelques problèmes relatives aux triangles sphériques, avec une analyse complète de ces triangles” and “Discours sur l’objet de la Théorie des Fonctions analytiques” by Lagrange. 270-296 [“Solutions...”

article], 232-235 [“Discours...” article], iv, 209-456 pp. [entire journal]. Lagrange “was an Italian-born French mathematician and astronomer born in Turin, Piedmont, who lived part of his life in Prussia and part in France. He made significant contributions to all fields of analysis, number theory, and classical and celestial mechanics. On the recommendation of Euler and d’Alembert, in 1766 Lagrange succeeded Euler as the director of mathematics at the Prussian Academy of Sciences in Berlin, where he stayed for over twenty years, producing a large body of work and winning several prizes of the French Academy of Sciences” (*Wikipedia*).

Cahiers 7 & 8, Tome III [one Vol.]. [1800]. Contains the first three of five proposed<sup>1</sup> parts of Prony’s [complete] *Mécanique Philosophique, ou Analyse Raisonnée des Diverses Parties de la Science de l’Équilibre et du Mouvement*. Pt. 1: “Notions préliminaires.” Pt. 2: “Mécanique des corps solides.” Pt. 3: “Mécaniques des corps fluides.” 1-93 [“Pt. 1”], 94-203 [Pt. 2], 204-477 [Pt. 3], iv, 477, [2] pp. [entire journal]. “The author was one of the first to apply to practical purposes the discoveries and progress in theoretical mechanics made during the second half of the XVIII Century, and was the inventor of a frictional dynamometer known by his name” (Sotheran, no. 3844).

“[Prony] proposed to do for mechanics what Fourcroy had done for chemistry in *Philosophie chimique* (1792), namely to give a taxonomy of the theorems of mechanics...” (*DSB*, Vol. XI, p. 164).

“The material is based largely on materials which Prony used for his courses at the *École Polytechnique*. The information is presented in the form of synoptic tables...” (*Bibliotheca Mechanica*, pp. 268-70).

Cah. 11, Tome IV. [1802]. Featuring: “Mémoire sur la surface courbe dont toutes les normales sont tangentes à la surface d’une même sphère” by Monge. 28-58 [article], [ii], 385 pp. [entire journal]. 9 folding plates. Signed and inscribed at title-page to “Chiébauds” from unknown. Monge “was a French mathematician and the inventor of descriptive geometry, the mathematical basis on which technical drawing is based. During the French Revolution he served as the Minister of the Marine, he and was involved in the reform of the French educational system, helping to found the *École Polytechnique*” (*Wikipedia*).

Cah. 12, Tome V. [1804]. *Leçons sur le Calcul des Fonctions* by Lagrange. 320 [article], [iv], 324 pp. [entire journal]. EARLY PRINTING of Lagrange’s lecture on calculus. “This work may be considered as the starting point for the researches of Cauchy, Jacobi and Weierstrass” (W. Rouse Ball).

“The “Leçons sur le calcul des fonctions, designed to be both a commentary on and a supplement to the *Théorie des fonctions analytiques*, appeared in 1801 in the *Journal de l’École polytechnique*. A separate edition of 1806 contained two complementary lectures on the calculus of variations. In dealing with it and with all other subjects in these two works, Lagrange abandoned the differential notation and introduced a new vocabulary and a new symbolism” (*DSB*, Vol. VII, p. 570).

See: Grattan-Guinness, Ivor, *Landmark Writings in Western Mathematics 1640-1940*, 2005, p. 275-6. Location: Bibliothèque nationale de France [only copy on World

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1 Originally planned in 5 parts, the last two advertised on the back of the title were never published.

[LAGRANGE continued] Cat.].

Cah. 13, Tome VI. 1806. Featuring: “Démonstration générale du principe des vitesses virtuelles, dégagée de la considération des infiniment petits” by Ampère. 247-269 [article], [ii], 378, [1] pp. [entire journal]. Ampère “was a French physicist and mathematician who is generally regarded as one of the main founders of the science of classical electromagnetism, which he referred to as “electrodynamics”. The SI unit of measurement of electric current, the ampere, is named after him” (*Wikipedia*).

Pearce Williams, from whose library this collection comes, wrote the *DSB* article for Ampère. “On the strength of his paper on probability, he was named *répétiteur* in mathematics at the *École Polytechnique* in Paris” (*DSB*, Vol. 1, p. 140).

Cah. 14, Tome VII. 1808. Featuring: “Mémoire sur les avantages qu’on peut retirer, dans la théorie des Courbes, de la considération des Paraboles osculatrices, avec des Réflexions sur les fonctions différentielles dont la valeur ne change pas lors de la transformation des axes” by Ampère. ALSO FEATURING: “Mémoire sur l’Intégration des Équations différentielles partielles” by Brisson; “Essais sur l’Art de projeter les Canaux de navigation” by Brisson & Dupuis-Torcy; *Supplément aux leçons sur le calcul de fonctions, données en l’an 7 [1799] à l’École Polytechnique* by Lagrange. 159-181 [Ampère article], 191-261 [Brisson article], 262-288 [Brisson & Dupuis-Torcy article]; 1-90 [pagination following regular text, Lagrange supplement]; [iv], 400, [iv]; 90 pp. [entire journal]. Spine split.

BRISSON’S OWN COPY, signed and inscribed to him at title-page by “D.” Brisson was a French mathematician and hydraulic engineer specializing in the design of ship canals, and brother-in-law to physicist and astronomer Jean-Baptiste Biot (1774-1862). “In 1802 he and his colleague Dupuis-Torcy published a brilliant memoir based on applying methods of crest lines and of thalwegs, as well as establishing the course of the canals” (*DSB*, Vol. II, p. 473).

“At the turn of the century Brisson and Dupuis de Torcy had worked out a powerful method for surveying all possible waterway linkages of France. Their ‘Essai sur l’art de projeter les canaux de navigation’...applied descriptive geometry to the actual geography of France. Brisson and Torcy had discovered a way to find the lowest points in the watersheds between the basins by a simple examination of existing topographical maps, which lacked contour lines and all but a few isolated points of altitude. Brisson’s method thus overcame the limitations of contemporary cartography while avoiding the drawbacks of the traditional methods that employed the judgment of the human eye on the ground or the costly and time-consuming detailed instrument survey of alternative possibilities....Moreover, by identifying the lowest feasible summit point for a canal, the one ordinarily the least demanding of and most easily supplied with water, Brisson’s method provided Becquey with an attractive new solution to the problem of water supply just after Dutens had demolished the claims of *petite navigation*” (Geiger, p. 109-10).

Cah. 15, Tome VIII. 1809. Featuring: “Mémoire sur les Inégalités séculaires des moyens mouvements des Planètes” and “Mémoire sur la Variation des Constantes arbitraires dans les questions de Mécanique” by Poisson. 1-56 [first article], 266-344 [second article], [iv], 354, [2] pp. [entire journal]. Title-page missing a piece. FIRST PRINTING of Poisson’s two primary works on celestial mechanics. “The most important” of his works on celestial mechanics “are his memoirs *Sur les inégalités*

*séculaires des moyens mouvements des planètes* [and] *Sur la variation des constantes arbitraires dans les questions de mécanique*, both published in the *Journal* of the École Polytechnique (1809)” (*Wikipedia*). Poisson was a French mathematician, geometer, and physicist.

Cah. 16, Tome IX. 1813. Featuring: “I. Mémoire—Recherches sur les polyèdres, première et seconde parties,” “II. Mémoire sur les polygones et les polyèdres,” and “Recherches sur les nombres” by Augustin-Louis Cauchy (1789-1857). 68-86 [first article], 87-98 [second article], 99-123 [third article], [iv], 354, [2] [entire journal]. pp. Title-page signature. Cauchy “was a French mathematician who was an early pioneer of analysis. He started the project of formulating and proving the theorems of infinitesimal calculus in a rigorous manner, rejecting the heuristic principle of the generality of algebra exploited by earlier authors. He defined continuity in terms of infinitesimals and gave several important theorems in complex analysis and initiated the study of permutation groups in abstract algebra. A profound mathematician, Cauchy exercised a great influence over his contemporaries and successors. His writings cover the entire range of mathematics and mathematical physics....In 1815 Napoleon was defeated at Waterloo, and the newly installed Bourbon king Louis XVIII took the restoration in hand. The Académie des Sciences was re-established in March 1816; Lazare Carnot and Gaspard Monge were removed from this Academy for political reasons, and the king appointed Cauchy to take the place of one of them. The reaction by Cauchy’s peers was harsh; they considered his acceptance of membership of the Academy an outrage, and Cauchy thereby created many enemies in scientific circles” (*Wikipedia*).

✧ Geiger, Reed G. *Planning the French Canals: Bureaucracy, Politics, and Enterprise Under the Restoration*. Newark, DE: University of Delaware, 1994; Grattan-Guinness, Ivor. “On the Role of the École Polytechnique, 1794-1914, with Especial Reference to Mathematics.” *A Master of Science History: Essays in Honor of Charles Coulston Gillispie*. Ed. Jed Z. Buchwald. New York: Springer, 2012. 217-34 pp.; Heller, Henry. *The Bourgeois Revolution in France, 1789-1815*. Oxford: Berghahn Books, 2009.

649. **[LAGRANGE] BORGATO, Maria Teresa & Luigi PEPE.** *Lagrange, Appunti per una biografia scientifica*. (Turin): La Rosa, [1990]. Sm. 8vo. x, 203 pp. Frontis., 4 illus., index. Red cloth, dust-jacket; jacket torn at rear cover. Near fine. Very scarce. [BH] \$ 20

*Collected Works*

650. **LANGEVIN, Paul** (1872-1946). *Oeuvres Scientifiques de Paul Langevin*. Paris: Centre National de la Recherche Scientifique, 1950. 8vo. 687 pp. 155 figs.; title and half-title a bit torn with minor margin piece removed. Original printed wrappers; short tear to head of wrapper.

\$ 200

Langevin was a prominent French physicist who developed Langevin dynamics and the Langevin equation. He studied under Pierre Curie and later became Marie Curie’s lover. “Langevin is noted for his work on paramagnetism and diamagnetism, and devised the modern interpretation of this phenomenon in terms of spins of electrons within atoms.” See: DSB VIII, pp. 9-14.

651. **[LANGLEY, Samuel Pierpont (1834-1906)] C. G. ABBOT.** Samuel Pierpont Langley. (Publication 3281). Washington: Smithsonian Institution, 1934. Series: Smithsonian Miscellaneous Collections, Vol. 92, No. 8. 8vo. 57 pp. 6 plates (including frontis. port. of Langley). Printed wrappers. Fine. Z1916 \$ 16

652. **LANGEVIN, Paul.** *La Physique depuis Vingt Ans.* Paris: Octave Doin, Gaston Doin, 1923. Series: *Encyclopédie Scientifique; Bibliothèque d'Histoire et de Philosophie des Sciences*, no. 2. Sm. 8vo. 453, [1] pp. 14 figs., ads. Original tannish cloth stamped in black and red. Ownership signature of Leric. Very good copy.

\$ 32

Paul Langevin, Member of the Royal Society of London (1872–1946), studied as a doctoral student of Pierre Curie and later a lover of Marie Curie, attended the École de Physique et Chimie, (1888-1892), then the École Normale Supérieure (1893-1896), and lastly at the Cavendish Laboratory in Cambridge under J. J. Thomson (1897-1898). He was a prominent French physicist who developed *Langevin dynamics* and the *Langevin equation*. During World War I, he worked on the application of ultrasonic vibrations to detect of submarines (which culminated in the development of “sonar “ in World War II); he is thus famous for his two US patents with Constantin Chilowski in 1916 and 1917 regarding a systematic ultrasonic submarine detection. He was one of the founders of the Comité de vigilance des intellectuels antifascistes, an antifascist organization created in the wake of the 6 February 1934 far right riots. Langevin was also president of the Human Rights League (LDH) from 1944 to 1946 – he had just recently joined the French Communist Party. Being a public opponent against fascism in the 1930s resulted in his arrest and consequently he was held under house arrest by the Vichy government for most of the war. He was noted for being an outspoken opponent of Nazism, and was removed from his post by the Vichy government following the occupation of the country by Nazi Germany. He was later restored to his position in 1944, passing away two years later. He is entombed at the Panthéon. – Wolfram Research; Wikipedia.

653. [**LANGLEY, Samuel Pierpont** (1834-1906)] **Cyrus ADLER.** “Samuel Pierpont Langley.” Offprint from: Smithsonian, 1906. Smithsonian Report for 1906, pp. 515-533. (245 x 155 mm). 19 pp. Printed wrappers. Library stamps on front cover and title, manuscript subject info on front cover. Very good. Z1917 \$ 15
654. [**LANGLEY, Samuel Pierpont** (1834-1906)] **Wallace R. BEARDSLEY.** (1922-1991). Samuel Pierpont Langley – His Early Academic Years at the Western University of Pennsylvania. Submitted to the Graduate Faculty in the School of Education in partial fulfillment of the requirements for the degree of Doctor of Philosophy. Pittsburgh: University of Pittsburgh, 1978. Tall 8vo. ix, 160, [2] pp. Frontis. port. of Langley. Navy cloth, gilt-stamped cover and spine titles. Very good. Scarce. Z1407 \$ 20
655. **LANGLEY, Samuel Pierpont** (1834-1906)] **Andrew WHITE, Dickson, Edward Charles PICKERING & Octave CHANUTE.** Samuel Pierpont Langley, Secretary of the Smithsonian Institution, 1887-1906. Memorial Meeting, December 3, 1906. (No. 1720). Washington: Smithsonian Institution, 1907. Series: Smithsonian Miscellaneous Collections, Part of Vol. XLIX. 8vo. 49 pp. Printed wrappers; small water-stain to cover spine. Near fine. Z1919 \$ 75
656. **LAPLACE, Pierre-Simon** (1749-1827)] **Charles Coulston GILLISPIE.** *Pierre-Simon Laplace, 1749-1827: A Life in Exact Science. With the Collaboration of Robert Fox and Ivor Grattan-Guinness.* Princeton: Princeton University Press, (1997). First printing. 8vo. xii, 322 pp. Frontis. port. of Laplace, 7 figs., index. Dark blue cloth, gilt-stamped spine title, dust-jacket. Near fine. ISBN: 0691011850 Z1408 \$ 35

657. **LANDAU, Lev Davidovich** (1908-1968) [4 offprint collection]. [1]: **LANDAU & Isaac Yakovlevich POMERANCHUK**. "O tochechnom vzaimodeystvii v kvantovoy elektrodinamike." ("On Point Interaction in Quantum Electrodynamics.") Offprint from: *Doklady Akademii nauk SSSR*, Vol. 102, No. 3, 1955, pp. 489-492. 8vo. (260 x 165 mm). 4 pp. Printed wrappers; small scuff and stain to front cover hinge. The authors' names are printed in blue marker on front cover. Very good. [2]: **LANDAU, Alexei Alexeyevich ABRIKOSOV & L. HALATNIKOV [I. KHALATNIKOV]**. "On the Quantum Theory of Fields." Offprint from: *Nuovo Cimento*, Supplement to Vol. 3, No. 1, pp. 80-104, 1956. 8vo. (245 x 170 mm). 25 pp. Self-wraps. Small inked notation on front cover. Very good. [3]: **LANDAU & Isaac Yakovlevich POMERANCHUK**. "Radiation of Gamma Quanta during the Collision of Fast Pions and Nuclei." Offprint from: Rubber stamp of CERN Symposium 1956, Vol. 2 on front cover; original Russian version in *Zhurnal eksperimentalnoi i teoreticheskoi fiziki*, Vol. 24, pp. 505-515, 1953. 8vo. (159)-166 pp. Self-wraps. Very good. [4]: **LANDAU**. "On the Conservation Laws for Weak Interactions." Preprint from: *Zhurnal eksperimentalnoi i teoreticheskoi fiziki*, Vol. 32, No. 2, pp. 405+, 1957. 8vo. Stapled pages. Ownership inked signature of noted scientific historian Abraham Pais. Very good. The paper notes that the first copy of this paper reached Princeton on January 15, 1957. It was most likely given to Abraham Pais by the author.

\$ 250

Four separate and rare offprints (one a preprint) of Nobel prize winner L.D. Landau's work collected by scientific historian and physicist Abraham Pais.

Landau was awarded the 1962 Nobel Prize for Physics "for his pioneering theories for condensed matter, especially liquid helium." [Wasson].

"In 1954 Landau studied questions dealing with the principle of the quantum field theory. As a result of this work, in 1955 he and I. Y. Pomeranchuk obtained a significant argument suggesting that the perturbation series of quantum electrodynamics and the quantum field theory of strong interactions do not sum to a consistent solution." [DSB].

PROVENANCE: Abraham Pais (1918-2000), noted science historian and physicist of Rockefeller University.

☼ DSB, VII, pp. 617 and 618; Wasson, *Nobel Prize Winners*, p. 592.

658. **LA RIVE, Arthur-Auguste de** (1801-1873). "Recherches sur la Cause de l'Électricité Voltaïque." Offprint from: *Mémoires de la Société de Physique et d'Histoire Naturelle de Genève*, 4, Part 3, 1828. Genève: J. Barbezat, 1828. 4to. 50 pp. Later marbled wrappers. FINE.

\$ 900

FIRST EDITION. La Rive's major work and an influential factor in the development of electrical theory. "It was as a critic of Volta's contact theory that of the pile, which attributed the production of electricity in the pile to an electromotive force arising from the contact of heterogeneous substances, that La Rive made his European reputation." *DSB* VIII, p. 36. He was a friend of Arago, Ampère and Faraday, and became the dominant force in the Académie de Genève. Poggendorff II, p. 657; *DSB*.

\$7766

659. **LATHAM, R.E.** *Revised Medieval Latin Word-List from British and Irish sources*. London: The British Academy, by the Oxford University Press, 1965. 8vo. xxiii, 524 pp. Blue cloth. Ownership ink signature of David C. Lindberg. Very good.

§ 27

“The Dictionary both records the usage of Classical and Late Latin in this period, and charts the medieval developments of the language as revealed in a rich variety of printed and manuscript sources. Latin was not static and inflexible, but was as receptive as English was to the needs of everyday life (and to the needs of users often barely literate). Each fascicule contains hundreds of new word formations. Some of the borrowings from other languages are recorded in Latin centuries before their appearance in written vernacular. The Dictionary is of immeasurable value to all medievalists, as important for cultural history as it is for linguistics.”

660. **LAUE, Max Theodor Felix von** (1879-1960). *Die Relativitätstheorie. Erster Band: Das Relativitätssprinzip der Lorentztransformation*. Braunschweig: Vieweg & Sohn, 1919. Series: Die Wissenschaft Sammlung ... Band 38. Third edition. 8vo. xiii, 292 pp. Index. Original blue cloth-backed blue boards; lightly rubbed. Bookplate and signature of Dr. Paul Thalmann (Bern, 1920), German physics professor. Very good.

§ 20

Max von Laue won the Nobel Prize in 1914 for his discovery of the diffraction of Roentgen rays in crystals.

*Robert Honeyman Copy*

661. **LAVOISIER, Antoine-Laurent** (1743-1794). *Opuscules Physiques et Chimiques. Seconde Édition*. Paris: Deterville, An IX [1801]. 8vo. (197 x 122 mm) xxx, [2], 443 pp. Three folding engraved plates. Speckled edges; paper flaws in K2 and O5 affecting text. Quarter-bound in 19th century half calf over brown marbled boards, raised bands, gilt-stamped title and gilt-rules on spine; covers off. Housed in a custom folding chemise and red quarter morocco and cloth slipcase, raised bands, gilt rules and gilt-stamped titles; light shelf wear.

§ 850

Second edition, second issue. “An entirely different issue of the usual ‘Seconde édition.’ Deterville has reprinted the entire book with the errata corrected in the text and the plates re-engraved by Tardieu l’ainé Rue de Sorbonne, No. 385. In the original edition the engraver had been de la Gardette who, incidentally, engraved Lavoisier’s book-plate. The half-title with the titre de relais is present as before. The remark, which appears at the end of the prior issue ‘Le Privilège du Roi se trouve aux Mémoires de l’Académie Royale des Sciences’ is here omitted.” [Duveen & Klickstein]. This is Lavoisier’s first major work. In this work on combustion and calcination, which first appeared in 1774, Lavoisier first published his investigations into the nature and properties of gases, in connection with numerous experiments, and laid the basis of his antiphlogistic theory. Lavoisier gives a history of gases and a detailed account of his experiments. It was in this pioneer work that he broke ground that was new to him and asserted himself on an important question that was in controversy. The *Opuscules*, one of Lavoisier’s four major works, resulted from his study on combustion and experiments with phosphorus and sulfur and the conversion of calces into metals. The work consists of a historical section and an introduction on gases; the second part describes his experiments dealing with the problems of combustion, calcination and air fixation. “Although Priestley isolated oxygen, it was Lavoisier who discovered its real significance. He showed the true nature of the interchange of gases in the lungs and exploded Stahl’s phlogiston theory.” [Garrison and Morton].

☼ BM Readex, Vol. 14, p. 998; Cole 770; DSB, Vol. VIII, pp. 66-91; Duveen p. 342; Duveen & Klickstein 123; Norman 1288 (1st ed.); Partington III 372 V; Pogendorff I 1392. S8896

662. **LAVOISIER, Antoine Laurent** (1743-1794), et al. *Méthode de nomenclature chimique, proposée par MM. de Morveau, Lavoisier, Bertholet, & de Fourcroy. On y a joint un nouveau système de caractères chimiques, adaptés à cette nomenclature, par MM. Hassenfratz & Adet.* Paris: Chez Cuchet, 1787. 8vo. [iv], 314 pp. Half-title, woodcut title-page vignette, headpiece, tailpieces, 6 folding tables of chemical symbols, 1 folding plate; page 1 of the text trimmed at top margin and mounted on a stub, foxed. Contemporary full mottled calf, red leather spine label, gilt-stamped spine; foot of spine chipped, corners of read cover chewed. Ownership signature on title. Very good.

§ 1,750

FIRST EDITION, second issue, second printing, with the flowered vase on the title-page (previously a cherub) and no colophon on page 314. Lavoisier's new terminology of chemistry was an important part of his reforms in the science, and it has been in use, with some modifications, ever since its introduction. "The merits of the new nomenclature are, even today, more than evident since, with only slight modification, it is still the basis of the language of modern chemistry." [Duveen & Klickstein, pp. 119-126].

☼ Blake/NLM, p. 191 (2nd printing); Cole, *Chemical literature*, 566; DSB Vol. V. pp. 600-604; Duveen, *Bibliotheca alchemica et chemical*, p. 340; Duveen & Klickstein, 130; Gascoigne 7150.4; Partington, *A history of chemistry*, Vol. III, p. 372; Pogendorff, Vol. I, col. 981; Wellcome III, p. 185. S9953

663. [**LAVOISIER, Antoine** (1742-1794)] **Denis I. DUVEEN.** *Catalogue of Printed Works by and Memorabilia of Antoine Laurent Lavoisier, 1743-1794. Tuesday, February 19 through Sunday, March 30, 1952.* New York: Grolier Club, 1952. 8vo. 79 pp. Printed wrappers. Very good. Z1411 § 22
664. [**LE CONTE, Joseph** (1823-1901)] **Eugene W. HILGARD.** *Biographical Memoir of Joseph Le Conte, 1823-1901.* Washington, D.C.: Judd & Detweiler, 1907. 8vo. 147-218 pp. Frontis. port. of Le Conte with facsimile autograph. Printed wrappers; spine ends mildly chipped. Very good. Z1913 § 20
665. [**LE CONTE, Joseph** (1823-1901)] **Lester D. STEPHENS.** *Joseph LeConte: Gentle Prophet of Evolution.* Baton Rouge and London: Louisiana State University Press, (1982). FIRST EDITION. Series: Southern Biography Series. 8vo. xix, 340 pp. Half-tone plates, index; top-edge freckled. Brown cloth, gilt-stamped spine title, dust-jacket. Fine. ISBN: 0807109959 Z1414 § 17
666. **LEATHEM, J.G.** *Examples in the Mathematical Theory of Electricity and Magnetism.* Edited by ... London: Edward Arnold, 1906. Sm. 8vo. 59 pp. Greyish-blue black-stamped cloth; light edge wear. Ink ownership signature of F. Puryer White, St. John's Coll., Cambr., 1913. [HL] § 25
667. **LEHFELDT, Robert Alfred** (1868-1927) [comp.]. *A List of the Chief Memoirs on the Physics of Matter.* London: Taylor and Francis, 1894. 8vo. ix, 41 pp. Index. Original printed wrappers; front cover starting. Previous owner's inked signature on front. Good. Z1415 § 60



668. **LEATHER, J.G.** *Examples in the Mathematical Theory of Electricity and Magnetism.* Edited by ... London: Edward Arnold, 1906. Sm. 8vo. 59 pp. Greyish-blue black-stamped cloth; light edge wear. Ink ownership signature of F. Puryer White, St. John's Coll., Cambr., 1913. [HL] \$ 25
669. **LECHNER, Johann Baptist.** *Facillima Artis Arithmeticae Methodus, Das ist: Sebr Leichter Unterricht und Lehrart, der Höchst-Nothwendigen und Nutzbarsten Rechen-Kunst.* Augsburg: Wolff, 1778. 8vo. 350, [2] pp. Engraved head & tail pieces, tables, index; minor damp staining throughout, title soiled & worn with marginal tape repair, p. 89 and title with margins torn (minor loss). Later full calf, raised bands, new endleaves; slightly rubbed. Very good. \$ 150  
German study of arithmetical methods. S7767
670. **Lehigh University.** *Nicolaus Copernicus 1473–1973 His Revolutions and His Revolution. Catalogue of an Exhibition of Manuscripts & Books. With an historical essay by Seymour L. Chapin. Linderman Library: Lehigh University.* Bethlehem, PA: Linderman Library, Lehigh University, 1973. 4to. [vi], 49 pp. Illus. Olive-gray printed wrappers. Fine. Printed by Saul & Lillian Marks at the Plantin Press in an edition of 1500 copies. [BH] \$ 4
671. **[LEIBNIZ] C.D. BROAD.** *Leibniz, an Introduction.* Edited by C. Lemy. Cambridge: Cambridge University Press, 1975. 8vo. x, 174 pp. p. 146 ink marginalia. Printed wrappers. Very good (noting inking). Ink ownership signature of David C. Lindberg. ISBN: 0521099250 / 0-521-09925-0 \$ 2
672. **[Leonardo da Vinci] C.D. O'MALLEY.** *Leonardo's Legacy; an International Symposium edited by ...* Berkeley and Los Angeles: University of California Press, 1969. Series: *UCLA Center for Medieval and Renaissance Studies*, no. 2. Tall 8vo. viii, 225 pp. Illus. Cloth, dust-jacket; jacket worn at bottom corner. Very good. \$ 20  
Papers include Keele, "Leonardo's Physiology of the Senses", Bern Dibner, "Leonardo: Prophet of Automation," E.H. Gombrich, "The Form of Movement in Water and Air," Ladislao Reti. "Leonardo da Vinci the Technologist: the problem of prime movers," Carlo Pedretti, "Belt 35: A New Chapter in the History of Leonardo's Treatise on Painting," and others. [BL2932]
673. **LEVANDER, Frederick William** (1839-1916). *General Index to the First Twenty Volumes of the Astronomical Register.* London: Printed for the Editor by Alabaster, Passmore, & Sons, 1883. 8vo. [i], 82 pp. Half burgundy cloth with corners and marbled paper sides, gilt-stamped cover title; edges bumped and worn. Good. RARE. Z1417 \$ 45
674. **LEWIS, Gilbert N.** *The Anatomy of Science.* New Haven: Yale University Press, 1926. 8vo. ix, 221 pp. 27 figs. Navy cloth, gilt-stamped spine. Fine. \$ 15  
Gilbert Newton Lewis, FRS (1875 – 1946) was an American physical chemist, from UC Berkeley, known for the discovery of the covalent bond, the purification of heavy water, his reformulation of chemical thermodynamics in a mathematically rigorous manner accessible to ordinary chemists, and photochemical experiments. In 1926, Lewis coined the term "photon" for the smallest unit of radiant energy.

675. **LEVI-CIVITA, Tullio** (1873-1941). *Caractéristiques des Systèmes Différentiels et Propagation des Ondes. Traduction de l'Italien*. Paris: Félix Alcan, 1932. Sm. 8vo. x, 114 pp. Index. Red brown-stamped cloth. Near fine. [HL] \$ 20
676. **LEWIS, H. K.** *Catalogue of Lewis's Medical, Scientific and Technical Lending Library. Part I. Authors and Titles. Part II. Classified Index of Subjects, with Names of Authors Who Have Written Upon Them*. London: H.K. Lewis, 1944. New Edition, Revised to the End of 1943. 8vo. 8, 928 pp. Index. Maroon cloth, gilt-stamped cover and spine titles; cloth a bit wrinkled. Very good. Z1419 \$ 15
677. **LIBBY, Walter.** *An Introduction to the History of Science*. Boston ...: Houghton Mifflin, (1917). Sm. 8vo. x, 288 pp. Illus., plates, index. BBlue blind-stamped cloth, gilt spine. Inscribed by J.J. Rogers, neurologist, "To Physiologist Hench. From one nut to another nut – the second nut having paid all the expenses of this memorial preservation. Pittsburgh 1919." Signed by the Nobel Prize winner Philip S. Hench. \$ 50  
Copy of Philip S. Hench who won, with his Mayo Clinic co-worker Edward Calvin Kendall and Swiss chemist Tadeus Reichstein, the 1950 Nobel Prize for medicine for the discovery of the hormone cortisone, and its application for the treatment of rheumatoid arthritis.
678. **Linda Hall Library; William B. ASHWORTH.** *The Face of the Moon: Galileo to Apollo. An Exhibition of Rare Books and Maps October 13, 1989 – February 28, 1990. Exhibition catalogue by ...* Kansas City, MO: Linda Hall Library, 1989. Ob. 8vo. 45 pp. Illus. Printed wrappers. Very good. \$ 15
679. **LINDBERG, David C.** *A Catalogue of Medieval and Renaissance Optical Manuscripts*. Toronto: Pontifical Institute of Mediaeval Studies, 1975. Series: The Pontifical Institute of Mediaeval Studies, IV. 8vo. 142 pp. Printed wrappers. Fine. ISBN: 0888443536 [BL2934] \$ 20
680. **LINDSAY, Jean Olivia.** *The Early History of Science: A Short Handlist*. [London]: Published for the Historical Association by George Philip & Son, 1950. Series: Helps for Students of History, No. 52. 8vo. 64 pp. Printed wrappers; spine extremities scuffed, a few marks on title and contents page. Very good. Z1424 \$ 10
681. **[LINNAEUS, Carl von] Tore FRÄNGSMYR** (editor). *Linnaeus; the Man and His Work. Revised edition. Tore Frängsmyr, editor. With contributions by Sten Lindroth, Gunnar Eriksson, Tore Frängsmyr, Gunnar Broberg*. (Canton): Science History Pubs., 1994. 8vo. xiv, 206 pp. Illus., index. Printed wrappers. Fine. Scarce. ISBN: 0881351547 \$ 20
682. **[LISTER, Joseph (1827-1912)] Guy Theodore WRENCH.** *Lord Lister: His Life and Work*. New York: Frederick A. Stokes, [1913]. 8vo. 384 pp. Half-tone frontisp. port. of Lister with tissue guard, three plates, index. Dark blue cloth, gilt-stamped cover and spine titles, t.e.g. Pages mostly uncut. Fine – an unusually clean and tight copy! Z1425 \$ 25
683. **LITTLE, Homer P.** [comp.]. *List of Manuscript Bibliographies in Geology and Geography*. Washington, D.C.: National Research Council, 1922. Series: Reprint and Circular Series of the National Research Council, No. 27. 8vo. 17 pp. Printed wrappers; covers slightly worn and creased. Former library copy with the usual markings. Very good. Z1426 \$ 8

684. **LODGE, Oliver** (1851-1940). *Advancing Science*. New York: Harcourt, Brace & Company, 1932. 8vo. 191 pp. Index. Blue cloth, gilt-stamped spine; spine title rubbed. Bookplate and ownership signature of Lloyd Kennedy (1933). Very good. Z1430 \$ 20

8 Photomicrographs

685. **LÖFFLER, Friedrich** (1852-1915). *Vorlesungen über die geschichtlich Entwicklung der Lehre von den Bakterien. Erster Theil bis zum Jahre 1878* [All published]. Leipzig: F.C.W. Vogel, 1887. 8vo. xii, 252 pp. 37 figs. 3 plates. Contemporary marbled boards; spine reinforced, edges worn. Bookplate of John Farquhar Fulton. Very good.

\$ 600

FIRST EDITION. Plate I contains 8 mounted photomicrographs, which are original prints from Robert Koch's 1877 paper *Verfahren zur Untersuchung, zum Conserviren und Photographiren der Bakterien* [Garrison & Morton 2488, PMM 366a]. Koch's original paper included 24 photomicrographs. Plates II and III are chromolithographs. "German bacteriologist and associate of R. Koch... Loeffler was a most painstaking and accurate bacteriologist and one of the principal names connected with bacteriology. He discovered the diphtheria and glanders bacilli, and worked successfully at the attenuation of pathogenic virus, disinfection, water bacteriology, typhoid of mice... He was a great technician and introduced the method of staining cilia, the preparation of blood serum for diphtheria cultures, and Loeffler's methylene blue. He recognized the filter-passing character of the virus of foot and mouth disease and spent years trying to [affect] a cure of it. Loeffler was an excellent teacher, linguist, and writer." [Bulloch].

PROVENANCE: John Farquhar Fulton (1899-1960), was an American physiologist who was instrumental in establishing the University of Minnesota Medical School. In his early Harvard years, he published works in *Acta Zoologica* dealing with living blood of *Ascidia*, the origin of pigment cells, phagocytosis, and the permeability of the corpuscle membrane. Fulton participated in the first clinical trials of penicillin in the United States. As a result of his work, the Yale Historical Library was established to house the hitherto separate collections of Harvey Cushing, John Fulton, and Arnold Carl Klebs.

☼ See: Bulloch, *History of bacteriology*, p. 381; Garrison & Morton 2579. S10079

686. **LONG, Pamela O.** *Openness, Secrecy, Authorship: Technical Arts and the Culture of Knowledge from Antiquity to the Renaissance*. Baltimore and London: Johns Hopkins University, (2001). 8vo. xii, 364 pp. 15 figs., index. Printed wrappers. Fine (like new). INSCRIBED BY THE AUTHOR to David C. Lindberg.

\$ 22

"In today's world of intellectual property disputes, industrial espionage, and book signings by famous authors, one easily loses sight of the historical nature of the attribution and ownership of texts. In *Openness, Secrecy, Authorship: Technical Arts and the Culture of Knowledge from Antiquity to the Renaissance*, Pamela Long combines intellectual history with the history of science and technology to explore the culture of authorship. Using classical Greek as well as medieval and Renaissance European examples, Long traces the definitions, limitations, and traditions of intellectual and scientific creation and attribution. She examines these attitudes as they pertain to the technical and the practical. Although Long's study follows a chronological development, this is not merely a general work. Long is able to examine events and sources within their historical context and locale. By looking at Aristotelian ideas of

Praxis, Techne, and Episteme. She explains the tension between craft and ideas, authors and producers. She discusses, with solid research and clear prose, the rise, wane, and resurgence of priority in the crediting and lionizing of authors. Long illuminates the creation and re-creation of ideas like “trade secrets,” “plagiarism,” “mechanical arts,” and “scribal culture.” Her historical study complicates prevailing assumptions while inviting a closer look at issues that define so much of our society and thought to this day. She argues that “a useful working definition of authorship permits a gradation of meaning between the poles of authority and originality,” and guides us through the term’s nuances with clarity rarely matched in a historical study.” ISBN: 0801880610 / 0-8018-8061-0

687. **LONGRIGG, James.** *Greek Rational Medicine; Philosophy and Medicine from Alcmaeon to the Alexandrians.* London & New York: Routledge, (1993). 8vo. ix, 296 pp. Index. Cloth, dust-jacket. INSCRIBED BY THE AUTHOR TO LINDBERG. Ownership ink signature of David C. Lindberg. Fine.

\$ 175

FIRST EDITION. “The ancient Greek medical thinkers were profoundly influenced by Ionian natural philosophy. This philosophy caused them to adopt a radically new attitude towards disease and healing. James Longrigg shows how their rational attitudes ultimately resulted in levels of sophistication largely unsurpassed until the Renaissance. He examines the important relationship between philosophy and medicine in ancient Greece and beyond, and reveals its significance for contemporary western practice and theory.” ISBN: 041502594X / 0-415-02594-X

688. **LORIA, Gino** (1862-1954). *Storia delle matematiche dall'alba della civiltà al Tramonto secolo XIX.* Milan: Ulrico Hoepli, 1982. Second edition, revised and enlarged. Reprinted (originally issued in 1950). Sm. 4to. xxxv, 975 pp. 80 figs., index. Small ink annotation to front endpaper. Blue printed wrappers. Very good. Third volume in the series, but complete for the nineteenth century. ISBN: 8820503255 [BH]

\$ 25

689. **LOUTTIT, C.M.** [comp.]. *Bibliography of Bibliographies on Psychology, 1900-1927.* Washington, D.C.: National Research Council of the NAS, 1928. Series: Bulletin of the National Research Council, No. 65. 8vo. 108, ads. [8] pp. Index. Printed wrappers. Former library copy. Very good. Z1435

\$ 12

690. **LOVE, Augustus Edward Hough** (1863-1940). *Theoretical Mechanics; an introductory treatise on the Principles of Dynamics with application and numerous examples. Second edition.* Cambridge: University Press, 1906. 8vo. xvi, 367 pp. 87 figs., index. Original dark green blind and gilt-stamped cloth; rubbed, extremities showing wear, apparently lacks lfep. Good+. [HL]

\$ 20

691. **LOVERING, Joseph** (1813-1892)] **A.P. PEABODY,** et al. *Memorial of Joseph Lovering, Late President of the Academy.* Cambridge: John Wilson and Son, 1892. Small 4to. 40 pp. Printed wrappers. Rubber stamp on front cover. Fine. Z1921

\$ 10

692. **LOWELL, Percival.** *Mars et ses Canaux ses Conditions de Vie. Traduit de l'Anglais par Marcel Moÿe.* Paris: Mercure de France, 1909. 8vo. 367 pp. Sixteen pages of illus. Rebacked preserving original printed front wrapper, spine & rear wrapper in matching facsimile; extremities worn. Bookplate of Frederick I. Ordway III. Very good. Scarce.

\$ 250

FIRST FRENCH EDITION. Lowell remains a key figure in the history of modern astronomy. Significantly, Lowell continued with planetary study when most

observatories were focused on stellar astronomy, and began innovatively applying both photography & spectroscopy to his research methods. He founded the Lowell Observatory, and laid the foundations for the discovery of Pluto. He is best remembered, however, for his devotion to Martian studies and for popularizing notions about life on Mars that were not fully debunked until the Viking mission.

PROVENANCE: "Frederick Ira Ordway III is a space scientist and well-known author of visionary books on spaceflight. He owns a large collection of original paintings depicting astronomical themes. Ordway was educated at Harvard and completed several years of graduate study at the University of Paris and other universities in Europe. He is a member of many leading professional societies and is the author, co-author, or editor of more than thirty books and over three hundred articles. As scientific consultant, he was part of the production team of *2001: A Space Odyssey*." S8338

*Featuring Many Illustrations of Mars*

693. **LOWELL, Percival** (1855-1916). *Annals of the Lowell Observatory. Volume I. Observations of the Planet Mars During the Opposition of 1894-5 Made at Flagstaff, Arizona.* Volume I.

WITH: LOWELL. *Annals of the Lowell Observatory. Volume II. Observations of the Planet Jupiter and its Satellites 1894 and 1895. II. Observations of Mars 1896 and 1897 Made at Flagstaff, Arizona, and Tacubaya, Mexico.*

WITH: LOWELL. *Annals of the Lowell Observatory. Volume III. Observations of the Planet Mars During the Oppositions of 1894, 1896, 1898, 1901 and 1903 Made at Flagstaff, Arizona.* Boston: Houghton Mifflin, 1898; Cambridge: Cambridge University Press, 1900. No place: no publisher, 1905.

3 volumes. Thick 4to. xi, 391; x, 523; xiv, 293, 60 (Supplement) pp. Each volume with a frontis. photo (2 color), altogether 76 plates (2 color, 1 folding), figs., tables, 1 folding map, index. Original printed boards, paper spine labels, original plain wrappers; wrappers with minor wear, spine ends, extremities & joints a bit worn (all vols. ). Presentation bookplate (vol. I) to Forest Ray Moulton, ownership signature of Dale P. Cruikshank (vol. III). Very good. SCARCE. S8337

\$ 3500

FIRST EDITION. These monumental volumes, SCARCE AS A SET, are a comprehensive record of the astronomical observations of the Lowell Observatory. Replete with illustrations including a total of 76 beautiful plates, this set offers the major contributions of the observatory, and represents a monument in the history of planetary study. Lowell remains an iconic figure in modern astronomy. He founded the Lowell Observatory, and laid the foundations for the discovery of Pluto, and continued with planetary study when most observatories were focused on stellar astronomy. He also began, with great innovation, applying both photography & spectroscopy to his research methods. Lowell is best remembered, however, for his devotion to Martian studies and for popularizing notions about life on Mars that were not fully debunked until the Viking mission. The great believer of life on Mars, Lowell "had a profound influence on the general public." *DSB VIII*, p. 520.

He worked tirelessly to study and popularize his understanding of the planets, and it was his hard work that played a key role in the discovery of Pluto. Lowell's name is inextricably linked with the history of thought about our neighboring planets and in

particular Mars.

PROVENANCE: Forest Ray Moulton (1872-1952) was an American mathematician and celestial mechanician, who developed a theory for the formation of planets (the Chamberlin-Moulton hypothesis) whereby the solar system arose as the result of the encounter of the Sun and another star. Dale P. Cruikshank is a noted astrophysicist. DSB VIII.

694. [LOWELL, Percival Lawrence (1855-1916)] **Lowell Observatory.** *Percival Lowell.* Lynn: Thos. P. Nichols & Son, [1917]. (300 x 235 mm). 8 pp. Printed wrappers; soiled, rear cover detached. Rubber stamp of the Franklin Institute Library. Good. Z1922

\$ 225

A rare artifact which attempts to lend credence to Lowell's now-discredited theory that Mars contained non-natural structures which suggested that the planet played host to intelligent life. "One of the chief ends in view in the establishment of the Lowell Observatory was for the observation of the delicate markings on Mars. No one of good eyesight and open mind, who has enjoyed the privileges of a protracted study of the planet, under the unique advantages enjoyed at Flagstaff, can doubt the correctness of the essential facts; it is purely a question of their interpretation. The surface of Mars is covered with an extraordinary network of singularly artificial looking lines... The planet appears to have but little water on its surface. If we adopt Lowell's theory that the intelligent inhabitants of a dying Mars are struggling to keep alive by a planet wide system of irrigation, from the water of the melting polar snow caps, we shall find that the theory accounts for all the observed facts" (pp. 7-8).

695. **LOWNDES, William Thomas; Henry G. BOHN.** *The Bibliographer's Manual of English Literature; containing an account of rare, curious, and useful books, published in or relating to Great Britain and Ireland, from the invention of printing with bibliographical and critical notices, collations of the rarer articles and the price at which they have been sold.* London: George Bell and Sons, 1883. With additional title pages published by London: Henry G. Bohn, 1857-1885. New edition, revised, corrected and enlarged. Six volumes, including appendix. Small 8vo. iv, 576; iv, [577]-1155; viii, 1157-1756; [ii], iv, 1433\*-\*\*\*\*, 1757-2400; iv, 2401-3027; [ii], v,[iii], 336 pp. Index. Later gilt-stamped brown buckram, with dark brown leather spine labels, marbled fore-edges; some hinges repaired, rubbed. Burndy bookplates. Very good. COMPLETE SET.

\$ 90

William Thomas Lowndes (ca. 1798 – 1843), English bibliographer, son of a London bookseller. His principal work, *The Bibliographer's Manual of English Literature*—the first systematic work of its kind—was published in four volumes in 1834. It took Lowndes fourteen years to compile, but, despite its merits, brought him neither fame nor money. Subsequently, he became cataloguer to the bookseller and publisher Henry George Bohn. In 1839 he published the first parts of *The British Librarian*, designed to supplement his early manual, but owing to failing health did not complete the work.

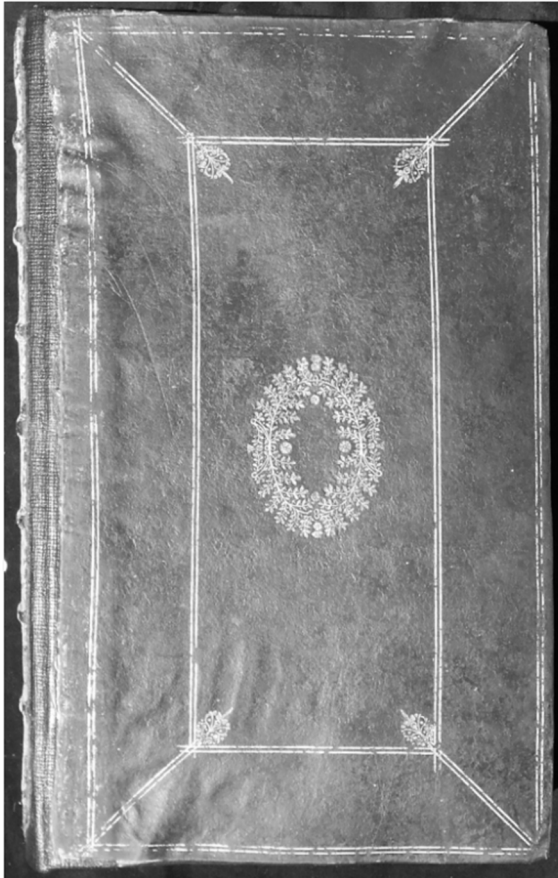
696. **LOWNES, Albert E.** (1899-1978)] **David R. GODINE** [comp.]. *Renaissance Books of Science from the Collection of Albert E. Lownes.* Hanover: Dartmouth College, (1970). Limited edition of 1000 copies printed by the Stinehour Press. 8vo. 123, [1] pp. Two color title with decorative title border (printed in maroon and black), full page illustrations, index. Printed wrappers. Very good. Z1441

\$ 10

697. **LUBBOCK, John** (1834-1913)] **Horace Gordon HUTCHINSON** (1859-1932). *Life of Sir John Lubbock, Lord Avebury. In Two Volumes.* London: Macmillan, 1914. 2 vols. 8vo. xiv, 338, ads. 2; x, 334, ads. 2 pp. Frontis. portraits of Lubbock (both vols.) with tissue guards, additional three plates (including fold-out genealogy), index. Navy cloth, gilt-stamped cover and spine titles, t.e.g.; very light rubbing to extremities, inner hinges cracked (both vols.). Lovely copy in near fine condition. Z1442

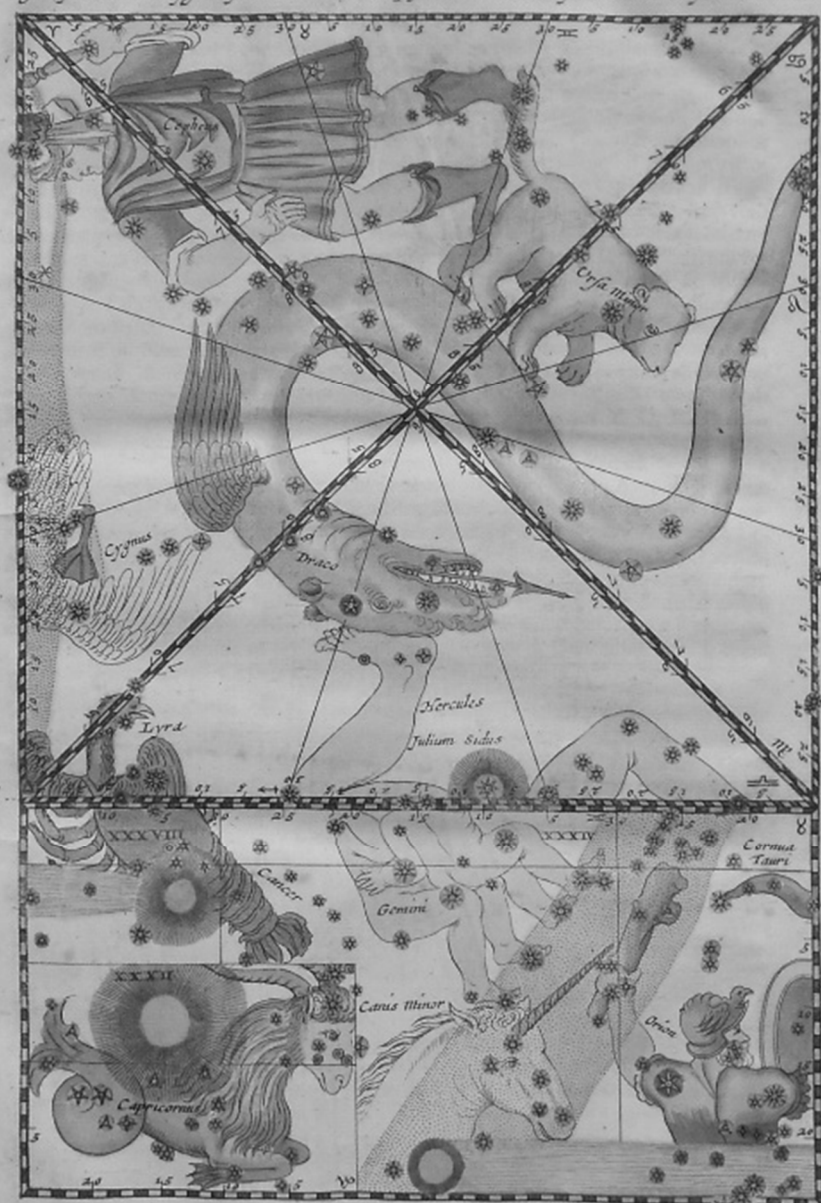
\$ 200

“Sir John Lubbock was born in 1834 in London, England. It is no doubt that Lubbock came from a well-educated family. His father, Sir John William Lubbock, was an astronomer and mathematician. He made contributions in the field of probability theory as it related to life insurance problems. He also studied the tides and the planets, and much of the knowledge we have today about them we can attribute to him ... Lubbock’s scientific contributions were in entomology and anthropology. His anthropological work was on human prehistory in Europe and his entomological interests were on social insects. He wrote three books, the most profound being *Prehistoric Times*, written in 1865. This book was used as a textbook in several languages for many years. Lubbock also wrote *Ants, Bees, and Wasps* (1882), and *The Pleasures of Life* (1887-1889).” [from the Minnesota State University website].



[698]

Figura stellam illam insignem seu Cometam n. XLVII post mortem C. Jul. Caesaris VII. dies visam exhibens.



M. C. Jensenius del.

S. Stopond. sculp.



698. **LUBIENIECKI, Stanislaw** (1623-1675). *Historia Cometarum, a Diluivio usque ad praesentem annum vulgaris Epochae à Christo nato 1665. decurrentem, Unà cum Indiculo laetorum & tristium eventuum, Cometarum apparitionem secutorum, In qua simul Synopsis quaedam Universalis Historiae proponitur. Amsterdami, apud Danielem Baccamude, Pro Francisco Cuypero [Daniel Baccamude for Francis Cuyper] ... 1666. [With]: Theatri Cometici Excitus de Significatione Cometarum.* Amsterdam, 1668.

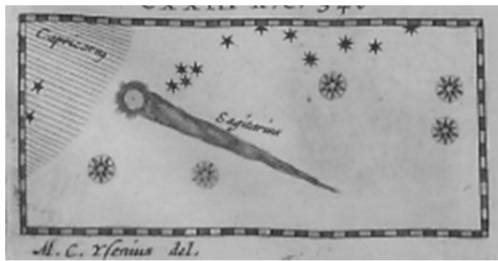
Volume two, Parts II & III. Folio. [xii], 464; [3], 78, [6] pp. Collation: [ ]2, (\*)4, A4 [i.e. A3-4], B4-3H4, 3I6, 3K4-3M4 ; [ ]2, A-I4, K6. With 2 a full allotment of 26 HAND-COLORED PLATES ON COMETS, CONSTELLATIONS, DIAGRAMS OF ORBITS, ETC., including 2 hand-colored title-pages (copperplate engravings by Bastiaen [Sebastiaan, or Sebastiaen] Stopendael [Stopendaal], 1637-1693/1707?) after M. Scheits, 1 hand-colored portrait of Joannes Ernestus de Rautenstein, 2 hand-colored double-page plates, and 21 full-page hand-colored plates, by Stopendaal, Gerardi, Gerritsz and others after M.C. Isenius and others. [Plates: 2 double-page: nos. 60 (weakness in paper causing split at gutter), 62; 21 full-page: nos. 62 (facing p.12), 63 (p.26), 64, (p.48), 71, (p.76 – ms. note), 67 (p.104), 70 (p.144), 77 (p.172 – torn at gutter), 66 (p.226), 85 (p.230), 81, (p.242), 79 (p.302 - upper margin torn), 79 (p.320), 74 (p.332), 72 (p.338 – torn at gutter), 70 (p.372), 71 (p.380 – ms. note), 73 (p.383), 68 (p.386), 88 (p.406 [Halley's comet]), 86 (p.412), 77 (p.428)]. While the plates are numbered, there is no discernable arrangement if looking at just the numbering sequence [the lowest numbered plate is 60; the highest numbered plate is 88]. With addenda, index of the plates for both volumes I & II, appendix – all at rear. Pages 3/4 torn with considerable loss to lower corner; pp. 57/58, 175/176, 203/204 torn (no loss). Original full dark calf [ca. 1668], with gilt fillets and a wreath-like device on both upper and lower covers, all edges gilt and gauffered; crudely rebacked with blackish corded cloth (no attempt to match leather), with a very old spine mounted and weirdly stained white – the spine gilt decoration obscured by the white and yet with enough manuscript title (for this vol.) to indicate it belongs together, imitation nineteenth century-style marbled leaves and later endleaves (associated with the time of rebacking). 7 leaves with faint water-staining to outer margin (at front), some minor foxing. Inscription on title of the Collegii Neoburgensis ... Jesu, 1667. Two plates with minor manuscript notations to the margins, one line manuscript with internal references (at rear). Very good.

§ 25,000

FIRST EDITION [parts II & III, but complete in itself]. Lubieniecki's encyclopaedic treatise on comets contains a history of all known comets observed up to 1665. The first, and largest, part (lacking here) comprised Lubieniecki's correspondence with 40 of the leading astronomers of his time. Lubienietski had enlisted the cooperation of the leading European astronomers in the investigation and survey of the 1664-65 comet. He corresponded with, and printed both sides of the correspondence, with more than forty astronomers including: Petrus van Bruxelles and Ismaël Boulliau, Rautenstein, Hevelius, Kircher, Schott, Bartholinus, Henry Oldenburg, Riccioli, Huyens, Regiomontanus, Voss, Langius, Guericke, Bullialdus, and others. Also in the first volume is the announcement of

Geuricke's *Experimentum novum Magdeburgicum de vacuo spatio*. The correspondents also supplied the author with illustrations on the comet, appearances and courses traversed. The second part (present here) contained a history of all the comets ever recorded in any chronicle or historical work. The third part in on the significance of comets. Halley's Comet is shown during its 1607 apparition (facing p.406), in Ursa Major during late September-October. In another woodcut plate the destructive influence of a fourth century comet is shown (facing p.48). Another plate shows Pegasus, the winged horse (facing p.383).

THIS FULLY CONTEMPORARY HAND-COLORED COPY IS THE ONLY RECORDED COPY OF LUBIENIECKI FOUND. BOUND AND EMBELLISHED FOR A SPECIAL PATRON. Lalande states, "Contient une vaste érudition"



The fine engravings consist of celestial maps showing the paths of comets and the figures of the constellations traversed. "Since each map represents the observations of a different astronomer, taken together they illustrate the variety of cartographic

traditions popular during the seventeenth century. On many of the maps the choices of constellations, of constellation style, and of constellation names are strongly reminiscent of the celestial globes of Blaeu and Hondius. Several other maps carry the Judaeo-Christian constellations introduced by Plancius. From Rome, Kircher sent a map derived from those of Grienberger. On only a few maps are the stars identified by Bayer letters. None of the maps reflects any of the traditions popular during the previous century" – Warner, *The sky explored*, p 164.

Only two complete copies of the first edition are recorded at auction since 1975 by ABPC: the Honeyman (lot 2052, a presentation copy) and Dunham copies. A third copy, with 3 additional titles and 81 plates, but lacking one of the 2 portraits, was sold by Sotheby's, London, 13 April 1989 (lot 94). Of the three copies held by the British Library, two are substantially defective.

Stanislaw Lubieniecki (Rakow 1623 – Hamburg 1675) is a Polish aristocrat, astronomer, preacher, historian and writer. He travelled in France and the Natherlands in 1650, took a position preaching in 1652 (Torun). Because of his religious beliefs, he was twice persecuted and deported from Poland and found refuge in Hamburg; then again persecuted in 1667 he was forced to relocate to Altona in the Netherlands. He studied astronomy and in particular the study of comets. In addition to the *Theatrum Cometicum*, he is also known for his *Historia Reformationis Polonicae*, (1685) (History of the Polish Reformation). Christof A. Plicht reported that the author died of a poison, perhaps given by a servant, or perhaps from ergotism, a toxic fungus [Hockey]. See: *Biographie Universelle*.

☼ Brown, Basil, *Astronomical Atlases, Maps and Charts*, p. 44 (1681 edition, "interesting but rather rare work"); Brunet III, 1194; Gascoigne 2310; Graesse, II, 270; Hockey, Thomas, *Biographical Encyclopedia of Astronomers*, I, p. 715; Poggendorff, I, 1508;

Sotheby-Honeyman 2052; Thorndike, *History of Magic and Experimental Science*, VIII, p. 336; Warner, *The sky explored*, p 164; Yeomans, Donald K., *Comets; A Chronological History of Observation, Science, Myth, and Folklore*, (1991), pp. 69-94, 266. Not in Houzeau and Lancaster.

Locations: Europe: Biblioteca Nacional de España, Conservatoire national des arts et métiers [Paris], Danish Union Catalogue and Danish National Bibliography, Leiden University, Universitäts- und Landesbibliothek Sachsen-Anhalt / Zentrale, Frisem (Netherlands), Niedersächsische Staats- und Universitätsbibliothek Göttingen, NUKAT, Union Catalog of Polish Research Libraries, Observatoire de Paris, Staats- und Universitätsbibliothek Hamburg Carl von Ossietzky, Staatsbibliothek zu Berlin - Preussischer Kulturbesitz, Universitätsbibliothek Kiel, Gottfried Wilhelm Leibniz Bibliothek, Université de Strasbourg, Universitätsbibliothek Greifswald, Universitäts- und Forschungsbibliothek Erfurt/Gotha, Utrecht, Universitätsbibliothek Erlangen-Nürnberg. US: Adler, Duke University, NYPL, University of Chicago, Yale.

699. **[LULL] VALLICROSA, José Ma Millás** (ed.). *El Libro de la "Nova Geometria" de Ramon Lull Edición Crítica con Introducción y Notas*. Barcelona: Ramón Torba, 1953. Series: *Asociación para la Historia de la Ciencia Española*. 8vo. 104, [1] pp. Figs., pl. Printed wrappers. Very good +. Ramon Lull (1232-ca.1316) was a Spanish philosopher and mystic and his *Nova Geometria* was "radically new..." See: Teun Koetsier, Luc Bergmans, *Mathematics and the Divine: A Historical Study*, (2004), pp. 213, 227, 228. [BH] \$ 50
700. **LÜNEBURG, Heinz**. *Leonardo Pisani Liber Abbaci oder Lesevergnügen eines Mathematikers*. Mannheim: Wissenschaftsverlag, (1993). Second edition. 8vo. [ii], 352 pp. 4 color plates, index. Full cloth. Fine. ISBN: 3411154624 [BH] \$ 22
701. **LUTHER, Paul William** [comp.]. *Bibliography of Astronomers. Books and Pamphlets in English by and About Astronomers. Volume One. The Spirit of the Nineteenth Century*. Bernardston: Astronomy Books, 1989. Limited Edition of 500 copies. 4to. 208 pp. Gray cloth, gilt-stamped cover and spine titles. Fine. Z1443 \$ 35
702. **LUTZ-BACHMANN, Matthias, Alexander FIDORA, & Pia ANTOLIC**. *Erkenntnis und Wissenschaft: Probleme der Epistemologie in der Philosophie des Mittelalters; Knowledge and Science; Problems of Epistemology in Medieval Philosophy*. Herausgegeben von Matthias Lutz-Bachmann ... [et al.]. Berlin: Akademie Verlag, 2004. Series: *Wissenskultur und gesellschaftlicher Wandel*, 10. 8vo. x, 277 pp. Index. Color printed boards. Fine. \$ 50  
With contributions (in either English or German) by: Pia Antolic, Hans Daiber, Wolfgang Detel, Sten Ebbesen, Alexander Fidora, Nadja Givsan, Gundula Grebner, Jeremiah Hackett, Charles Lohr, Matthias Lutz-Bachmann, Jack C. Marler, Steven Marrone, Yossef Schwartz, Dorothee Werner und David Wirmer. ISBN: 3050041013 BL2935
703. **MACDONALD, Hector Munro** (1865-1935). *Electric Waves, being an Adams Prize Essay in the University of Cambridge*. Cambridge: University Press, 1902. 8vo. xiii, 200 pp. Maroon blind and gilt-stamped cloth; light edge wear. Ink title-page ownership signature of Harold Levine, 1946; blind embossed – 4 times – with the name of R. B. Wick (half-title, title, dedication (related puncture hole), final leaf). First three leaves trimmed closely at upper margin (incl. title and preface pages). Very good. [HL] \$ 12

704. **MACDONALD, Hector Munro** (1865-1935). *Electromagnetism*. London: G. Bell and Sons, Ltd., 1934. 8vo. xv, 178 pp. Erratum slip, index. Blue gilt-stamped cloth. INSCRIBED "From the author". Very good +. [HL] \$ 25
705. **MACELWANE, James Bernard** (1883-1956). *Introduction to Theoretical Seismology [by J.B. Macelwane & F.W. Sobon. Part I: Geodynamics]*. New York: John Wiley & Sons, 1936. 8vo. x, 366 pp. Numerous figs., index. Green-yellowish blind and gilt-stamped cloth. Very good. [HL] \$ 20
706. **MACHAMER, Peter K.; Robert G. TURNBULL** (editors). *Motion and Time, Space and Matter: Interrelations in the History of Philosophy and Science*. Columbus: Ohio State University Press, (1976). 8vo. 559 pp. Indexes. Cloth, dust-jacket; jacket extremities lightly worn. Ink ownership signature of David C. Lindberg. Very good. ISBN: 0814202071 / 0-8142-0207- \$ 25
707. **MACKEY, Louis**. *Peregrinations of the World; Essays in Medieval Philosophy*. Ann Arbor: University of Michigan Press, (2000). 8vo. viii, 238 pp. Index. Cloth, dust-jacket. Fine. \$ 65  
 "In *Peregrinations of the World*, Louis Mackey examines the way important medieval thinkers dealt with the relation of faith and reason, in the hope that their example may assist contemporary society in harmonizing belief and critical vigilance. *Peregrinations of the Word* consists of essays on five medieval philosophers: Augustine, Anselm, Aquinas, Bonaventure, and Duns Scotus." BL2937
708. **MACCAGNI, Carlo; Domus Galilæana**. [Main title]: *Convegno Internazionale di Ricognizione delle Fonti per la Storia della Scienza Italiana: i Secoli XIV-XVI (1st : 1966 : Domus Galilæana, Pisa)*. [This section]: *Atti del Primo Convegno Internazionale di Ricognizione delle Fonti per La Storia della Scienza Italiana: I Secoli XIV-XVI*. Florence: G. Barbera Editore, 1967. Series: *Pubblicazioni di storia della scienza della Domus Galilæana. Sezione 5, Atti di convegni*; vol.1. 8vo. 322 pp. ndex. Printed wrappers. Fine. \$ 50  
 Papers relative to Italian sciences from 1300-1600. Includes Marie Boas Hall, "Natural History," L. Belloni, "La Medicina e la Biologia," A.C. Crombie, J.D. North, M. Schramm, "Physics and Astronomy," G. Arrighi, "Le Mathematische," C. Vasoli, "La Cultura dei Secoli XIV-XVI."
709. **MACFARLANE, Alexander** (1851-1913). *Principles of the Algebra of Logic*. Edinburgh: David Douglas, 1879. 8vo. x, 155 pp. Original purple cloth; spine neatly restored. Very good. Provenance: John Neville Keynes. \$ 500  
 First book form edition. THIS COPY IS SIGNED BY THE FAMOUS ECONOMIST JOHN NEVILLE KEYNES. "Keynes was a British philosopher and economist. He is best known as the father of the influential economist John Maynard Keynes, whom he outlived, he was also a renowned scholar in his own day. Keynes' most significant contribution in philosophy was his work on non-categorical syllogism, and in economics his attempt to unify the methodologies of the Austrian School and the German Historical school of economics. Keynes also made significant contributions to the educational program at the prestigious University of Cambridge where he served both on the faculty and in administration. His legacy includes both his scholarly work improving methods for advancing our knowledge, and the significant contributions made by his children." – *New World Encyclopedia*.

“*The Algebra of Logic*, being the science of Necessity and Probability, supplies a variety of methods of great power for solving problems in the theory of Probability. ... A large class of problems, some of which have created considerable diversity of opinion among mathematicians of eminence, can be solved by means of a single theorem” [the Author, *Proceedings of the Royal Society of Edinburgh*, Vol. X, 1880 (p. 105)].

“It is the object of this little work to investigate the foundations of the analytical method of reasoning about Quality, with a special reference to the principles laid down by Boole as the basis of his calculus, and to the observations which have been published by various philosophers concerning these principles. I bring forward a new theory of the operation of the mind in reasoning about Quality, which enables me to correct Boole’s principles, and place them on a clear rational basis. I endeavour to show that the analytical method of reasoning about Quality is an Algebra, which coincides with the Algebra of Quantity when the symbols are integral, but is a generalized form of the latter when the symbols are fractional. The rest of the work is taken up with the investigation of problems by means of this algebraic organon, - especially such problems as are suggested by the ordinary Logic.” [from the Author, p. 2]. S10290

710. **MACHAMER, Peter K.; Robert G. TURNBULL** (editors). *Studies in Perception; Interrelations in the History of Philosophy and Science*. Columbus: Ohio State University Press, (1978). 8vo. ix, 567 pp. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Very good. ISBN: 0814202446 \$ 15

*The Original Printer's Sheets With Printed Cover – Never Bound!*

711. **MACLEAR, Thomas**. “Opposition of Mars, 1849-1850, at the Cape of Good Hope.” In: *Memoirs of the Royal Astronomical Society*, vol. XX, 1851. London: Royal Society, 1851. Unbound. 4to. (Article): 99-115 pp. Tables. Whole issue: iv, 236 pp. Numerous articles, tables; pages unbound and uncut, extremities slightly rubbed. Unbound printer’s copy still unfolded and uncut, original printed wrappers present. Very good. EXTREMELY RARE.

\$ 150

FIRST EDITION. This unbound printer’s copy of the distinguished astronomical journal is very rare, and whilst containing all the printed matter and original wrappers, shows the process of the printer in creating the final copy. The pages are unfolded and uncut. Maclear’s description of the Opposition of Mars from the Cape of Good Hope. S7541

712. **MAGNIN, Antoine**. *The Bacteria*. Translated by George M. Sternberg. Boston: Little, Brown, 1880. 8vo. 227 pp. 10 plates (including 6 heliotypes + 4 lithographs), index. Original green cloth; spine ends worn, top joint torn and mended, corners showing. Bookplates of Elie Metchnikoff Memorial Library and Indiana University, with their embossed stamp on title and rear pocket, spine call number. Good. RARE.

\$ 200

FIRST EDITION in English. Garrison and Morton 2492 (first French edition of 1878). “As a pioneer in America, not only in bacteriological investigations, but in the publication of text-books on bacteriology, Dr. Sternberg deserves appreciation. In 1880 he translated ... the work of Dr. Antoine Magnin, and enlarged it and brought it up to date in 1884.” – Kelly & Burrage. Burns, American Medical Publications with Photographs, p. 1245 and fig. 11 (reproducing plate 7 with 4 photomicrographs).

713. **MCVAUGH, Michael R.** *Medicine Before the Plague; Practitioners and their patients in the Crown of Aragon, 1285-1345*. Cambridge: Cambridge University Press, (1993). First Edition. Series: Cambridge History of Medicine. 8vo. xv, 280 pp. Index. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Fine.

\$ 60

“This book describes the medical world of the early fourteenth century through a study of the extensive archival material and contemporary writings which exist for eastern Spain in the decades before the Black Death. It describes the range of medical practice which then existed - a continuum ranging from scattered academic physicians to barbers and empirics - and gives evidence for the levels and numerical growth of these various occupations in early fourteenth-century communities (although it also emphasizes that occupational distinctions were not yet sharply drawn). The newly translated Greco-Arabic medical learning was beginning to spread through this continuum of practice, and the book argues that public enthusiasm for the new learned medicine led to the ‘medicalization’ of certain social and legal institutions, thus preparing a role for a medical profession in this society before its physicians had shown any consciousness of collective self-interest and identity.”  
ISBN: 0521412358 / 0-521-41235-8

*Presentation Copy*

714. **MAGNIN, Antoine, & George M. STERNBERG.** *Bacteria*. New York: William Wood, 1884. 8vo. xviii, [2], (11)-494 pp. 12 plates, 30 figures, bibliography, index; waterstained throughout. Original brown cloth. Bookplate of Elie Metchnikoff Memorial Library; rubber stamps of D. J. Bibel, “Duggan” written on verso of title, ownership signature of J. B. Powers, 1888. INSCRIBED “FROM THE AUTHOR” to J. R. Duggan, 1885. Good copy. \$ 100 First printing of the William Wood issue. See: *Medical Record*, “Reply to Dr. Duggan,” 28:643, (1885).

\$ 125

715. [**MALEBRANCHE, Nicolas**] **Michael E. HOBART.** *Science and Religion in the Thought of Nicolas Malebranche*. Chapel Hill: The University of North Carolina Press, 1982. 8vo. x, 195 pp. Index. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Very good. [BL2941]

\$ 10

716. [**MALLET, Fredric** (1728-1797) & **Daniel MELANDERHJELM** (1726-1810)] **Nils Viktor Emanuel NORDENMARK** (1867-1962). *Fredrik Mallet och Daniel Melanderhjelm: Två Uppsala-Astronomer. Utgiven av Kungl. Svenska Vetenskapsakademien*. Uppsala : Almqvist & Wiksells, Boktryckeri Artiebölag, 1946. 8vo. 256 pp. Two half-tone portraits of Mallet and Melanderhjelm, 14 numbered figs., index. Printed wrappers. Ex-library copy. Very good. Z1448

\$ 25

717. **MANDRINO, Agnese, Guido TAGLIAFERRI & Pasquale TUCCI.** *Inventario di Archivio dell'Osservatorio Astronomico di Brera, 1726-1917*. Milano: Università degli Studi di Milano, Istituto di Fisica Generale Applicata Sezione di Storia della Fisica, (1987). 4to. 270 pp. Red glossy paper boards, gilt-stamped cover and spine titles. Fine. Scarce. Z1451

\$ 35

718. **MANDROU, Robert.** *From Humanism to Science 1480-1700. Translated by Brian Pearce*. (Sussex): Harvester Press, (1978). 8vo. 329 pp. Maps, index. Cloth, dust-jacket. Fine. Ink ownership signature of David C. Lindberg. ISBN: 085527994x / 0-85527-994-x

\$ 10

719. **MANNING, Laurence Albert.** *Bibliography of the Ionosphere: An Annotated Survey Through 1960.* Stanford: Stanford University Press, 1962. Revised and expanded version of the author's *A Survey of the Literature of the Ionosphere* (1955). 8vo. xiii, 613 pp. Index. Blue cloth, black stamped spine title. Very good. Z1452 \$ 15
720. **MARCI A KRONLAND, Johannes Marcus.** *De Proportione Motus Figurarum Recti Linearum et Circuli Quadratura ex Motu.* Prague: [ex Typographia Academica], 1648. Ann Arbor: University Microfilms, [no date]. Photocopy facsimile of 1648 edition. 8vo. [unpaginated]. Figs. Blue wrappers. Ink ownership signature of David C. Lindberg. Very good. \$ 45  
 Marcus Marci (1595-1667), professor of medicine at Prague University, called the "Bohemian Galileo." [BL2942]
721. **MARCKWORTH, M. Lois** [comp.]. *Dissertations in Physics: An Indexed Bibliography of All Doctoral Theses Accepted by American Universities, 1861-1959.* Stanford: Stanford University Press, 1961. FIRST EDITION. 4to. xii, 803 pp. Index. Light blue cloth, black stamped spine title; extremities a bit soiled, adhesive stain from tape removal near top of spine, paper library sticker partially removed from bottom spine. Ex-library copy with the usual markings and defects. Good. Z1453 \$ 25
722. **MARGERIE, Emmanuel de** (1862-1953). *Catalogue des Bibliographies Geologiques.* [Paris]: [Gauthier-Villars et fils, 1896]. 8vo. 733 pp. Indexes; some pages marginally chipped. Later dark blue cloth, gilt-stamped spine title; lacks title and preliminaries (xx pp.), bottom corners of pp. 1-24 clipped (text unaffected). Very good. Z1455 \$ 12
723. **MARIUS, Simon** (1573-1624)] **Ernst ZINNER** (1886-1970). "Zur Ehrenrettung des Simon Marius." Offprint from: *Vierteljahrsschrift der Astronomischen Gesellschaft*, 1942. 77. Jahrgang. I. Heft... 8vo. 53 pp. Embossed library stamp on front cover, with a few additional markings. Printed wrappers; spine rubbed. Very good. RARE. Z1923 \$ 25
724. **[MARLIANI, Giovanni] Marshall CLAGETT.** *Giovanni Marliani and Late Medieval Physics.* New York: Columbia University Press, 1941. 8vo. 182 pp. Frontispiece, index; some pencil marginalia. Navy blue cloth. Ink ownership signature of David C. Lindberg. Very good. \$ 45
725. **MARSH, Othniel Charles** (1831-1899)] **Charles E. BEECHER.** "Othniel Charles Marsh." Offprint from: *The American Journal of Science*, 1899. Fourth Series, Vol. VII, pp. 403-428, June, 1899. (255 x 175 mm). 28 pp. Frontis. port. of Marsh with facsimile signature. Printed wrappers; disbound, corner chipped. Fair. Z1924 \$ 15
726. **MARX, Carl Michael** (1794-1864). *Geschichte der Crystallkunde.* Wiesbaden: Martin Sandig, (1970). Originally published in 1825; this is a facsimile. 8vo. xiv, 313 pp. 10 plates (1 folding and in colors – pl. III); plate VI is in 2 parts. Blue gilt-stamped cloth. Fine. \$ 60  
 Important history of crystallography. A German physicist, chemist and crystallographer, Marx was in 1814 Marx a lecturer at the University of Heidelberg and from 1815 to 1817 he taught at the Pestalozzi Institute in Yverdon. From 1817 to 1819 he was at the Lyceum in Karlsruhe. From 1824 to 1847 he was Professor of Physics and Chemistry at the Collegium Carolinum.

727. **MARTIN, Luther H.** *Hellenistic Religions; an Introduction*. New York: Oxford University Press, 1987. 8vo. xv, 170 pp. Index. Cloth. Ink ownership signature of David C. Lindberg. Very good. ISBN: 0195043901 / 0-19-504390-1 \$ 28

728. [**MASON, Ebenezer Porter** (1819-1840)] **Denison OLMSTED** (1791-1859). *Life and Writings of Ebenezer Porter Mason; Interpreted with Hints to Parents and Instructors on the Training and Education of a Child of Genius*. New York: Dayton & Newman, 1842. FIRST EDITION. Small 6to. 252 pp. Dark brown cloth, blind stamped decorative covers, gilt-stamped spine title; rubbed; pages foxed. Former library copy, Essex Inst. (covers left unmarked). Very good. Z1459

\$ 100

Inked presentation inscription: "Mr. F. Alvord - From the Author, Yale College, Feb. 1855." Covers stamped "Elles & Middlebrook Binders". The appendix features an account by Amasa Holcomb of the founding and growth of his telescope manufacturing business.

729. [**MASON, Josiah** (1795-1881)] **John Thackray BUNCE** (1828-1899). *Josiah Mason: A Biography*. [Birmingham]: Printed for Private Circulation, 1882. 8vo. vii, 171 pp. Frontis. MOUNTED ORIGINAL PHOTOGRAPH PORTRAIT OF MASON. Burgundy cloth, gilt-stamped cover emblem and spine title; extremities a bit speckled, spine slightly faded. Former library copy with the usual markings and defects. RARE. Z1460

\$ 175

Josiah Mason was an English industrialist who became a philanthropist and established a school for science education. Mason (1795-1881), English pen-manufacturer, was born February 23, 1795, the son of a carpet-weaver. "He began life as a street hawker of cakes, fruits and vegetables. After trying his hand in his native town at shoemaking, carpentering, blacksmithing, house-painting and carpet-weaving, he moved in 1814 to Birmingham. Here he found employment in the gilt-toy trade. In 1824 he set up on his own account as a manufacturer of split-rings by machinery, to which he subsequently added the making of steel pens. Owing to the circumstance of his pens being supplied through James Perry, the London stationer whose name they bore, he was less well known than Joseph Gillott and other makers, although he was really the largest producer in England. In 1874 the business was converted into a limited liability company. Besides his steel-pen trade Mason carried on for many years the business of electro-plating, copper-smelting, and India-rubber ring making, in conjunction with George R. Elkington. Mason was almost entirely self-educated, having taught himself to write when a shoemaker's apprentice, and in later life he felt his deficiencies keenly. It was this which led him in 1860 to establish his great orphanage at Erdington, near Birmingham. Upon it he expended about £300,000, and for this munificent endowment he was knighted in 1872." – Online Encyclopedia.

730. [**MAURY, Matthew Fontaine** (1806-1873)] **John Walter WAYLAND** (1872-1962). *The Pathfinder to the Seas: The Life of Matthew Fontaine Maury. With an Introduction by William J. Showalter*. Richmond: Garrett & Massie, (1930). 8vo. xiii, 191 pp. Frontis. port. of Maury (with color), decorative title border and tiny vignette (printed in blue), plates, index. Dark green cloth, black stamped cover and spine titles, dust-jacket; jacket chipped. Very good. Z1463

\$ 20



731. [MAURY, Matthew Fontaine (1806-1873)] **Frances Leigh WILLIAMS**. *Matthew Fontaine Maury: Scientist of the Sea*. New Brunswick, NJ: Rutgers University Press, (1963). FIRST EDITION. 8vo. xx, 720 pp. Plates, index. Quarter dark blue cloth with patterned paper boards, gilt-stamped spine title, dust-jacket; jacket lightly soiled, else fine. Z1464 \$ 11
732. **MAXWELL, James Clerk (1831-1879)] Edwin H. HALL**. "James Clerk Maxwell (1831-1879)." Offprint from: *Scientific Monthly*, 1931. December, 1931, Vol. XXXIII, pp. 500-511. (260 x 185 mm). 8vo. 12 pp. Frontis. port. of Maxwell, illustrations. Original printed wrappers; edges a bit worn, a bit soiled. Very good. Z1926 \$ 15
733. [MAYER, Alfred Marshall (1836-1897)] **Alfred G. MAYER & Robert S. WOODWARD**. *Biographical Memoir of Alfred Marshall Mayer, 1836-1897*. Washington: National Academy of Sciences, 1916. Series: *NAS, Biographical Memoirs*, Part of Vol. VIII. 8vo. 243-272 pp. Frontis. port. of A.M. Mayer. Printed wrappers. Ownership stamp on front cover (Edwin G. Conklin, Princeton). Fine. Z1927 \$ 10
- PROVENANCE: "Edwin Grant Conklin (November 24, 1863 – November 20, 1952) was a U.S. biologist and zoologist, born at Waldo Ohio, and educated at Ohio Wesleyan and Johns Hopkins universities" (*Wikipedia*).
734. **MAYERHÖFER, Josef**. *Lexikon der Geschichte der Naturwissenschaften biographien, sachwörter und bibliographien*. Vienna: Brüder Hollinek, (1961-1965). Vols. 2-3, 4/5. [4 vols. in 3]. Sm. 8vo. 129-288; 289-448; 449-704 pp. Original printed wrappers; blue cloth chemise. Fine; almost like new. \$ 7.50
735. **MAYNARD, George S.** [comp.]. *Storage Batteries: A List of References, 1900-1915*. New York: New York Public Library, 1915. Offprint. 8vo. 37 pp. Indexes. Printed wrappers. Very good. Z1467 \$ 20
736. **MCANALLY, Arthur Monroe & Duane H.D. ROLLER** [comps.]. *A Check List of the E. DeGolyer Collection in the History of Science and Technology as of August 1, 1954*. Norman: University of Oklahoma Press, 1954. Third Edition. 8vo. vi, 127 pp. Frontis. reproduction of the title page of Sidereus Nuncius. Printed wrappers; spine ends chipped, very small tear to front cover's bottom edge. Very good. Z1446 \$ 10
737. **MCCARTHY, Edward Randal**. *Medieval Light Theory and Optics and Duns Scotus' Treatment of Light in D. 13 of Book II of his Commentary on the Sentences*. New York: City University of New York, 1976. Ann Arbor: University Microfilms, [no date]. Photocopy facsimile of this 1976 dissertation. 8vo. vii, 373 ff. Navy blue cloth. Ink ownership signature of David C. Lindberg. Very good. \$ 20
738. **MCCLUSKEY, Stephen C.** *Astronomies and Cultures in Early Medieval Europe*. Cambridge: Cambridge University Press, (1998). 8vo. xiv, 235 pp. 26 figs., index. Cloth, dust-jacket. Very good. \$ 25

In this significant study, McCluskey describes the interaction of four prevalent early medieval astronomies - divisions of the year, the dating of Easter, monastic timekeeping, and traditional geometrical astronomy. With impressive erudition, he shows how early medieval scholars preserved astronomical learning that might otherwise have disappeared and thereby prepared the way for the progress that would follow with the introduction of Greco-Islamic astronomy in the later Middle Ages. ISBN: 0521583616 / 0-521-58361-6

739. [MEITNER, Lise (1878-1968)] Patricia RIFE. *Lise Meitner and the Dawn of the Nuclear Age. Foreword by John Archibald Wheeler.* Boston: Birkhäuser, (1999). Large 8vo. xviii, 432 pp. Bibliography, index. Illustrated paper-backed boards; corners gently bumped. SIGNED AND INSCRIBED from Rife to "Andrea" in ink at half-title. Removable note card SIGNED BY MEITNER tipped-in. Near fine. ISBN: 081763732X

\$ 200

Meitner "was an Austrian, later Swedish, physicist who worked on radioactivity and nuclear physics. Meitner was part of the team that discovered nuclear fission, an achievement for which her colleague Otto Hahn was awarded the Nobel Prize. Meitner is often mentioned as one of the most glaring examples of women's scientific achievement overlooked by the Nobel committee. A 1997 *Physics Today* study concluded that Meitner's omission was 'a rare instance in which personal negative opinions apparently led to the exclusion of a deserving scientist' from the Nobel" (*Wikipedia*).

Meitner, who had long worked with radioactive experiments, closely followed Fermi's discoveries in the early 1930s and ultimately asked Otto Hahn to resume his work with her in that field. Although it took her several weeks to capture Hahn's interest, their work together led to the discovery of nuclear fission. Meitner was the first to realize the success of her experiments with Hahn, and to understand that this would probably lead to the creation of an atomic bomb.

Although Meitner fled Nazi Germany in 1938 in order to continue her scientific career in the United States, Hahn downplayed her role in the research and she was largely denied recognition for her role in the monumental discovery of nuclear fission. "Niels Bohr tried to assure priority credit to Meitner for her interpretation of fission, but this was not sufficient to prevent the 1944 Nobel Prize in Chemistry to be awarded exclusively to Otto Hahn" (*L'Annunziata*, p. 234). Attempts to rectify this injustice include her receipt of the 1966 Fermi Award, the highest American science and technology award, and the posthumous honor of naming Element 109, Meitnerium, in her honor.

✠ L'Annunziata, Michael F. *Radioactivity: Introduction and History.* New York: Elsevier, 2007.

740. [MEITNER, Lise (1878-1968)] Ruth Lewin SIME. *Lise Meitner: A Life in Physics.* Berkeley, Los Angeles, London: University of California Press, (1996). First printing, 8vo. xiii, 526 pp. Photos on plates, index. Quarter brick red cloth with burgundy paper boards, white stamped spine title, dust-jacket; scuff to front jacket cover. Very good. ISBN: 0520089065 Z1468 \$ 20
741. [MENDELEYEV, Dimitry Ivanovich (1834-1907)] O.N. PISARZHEVSKY. *Dimitry Ivanovich Mendeleev: His Life and Work.* Moscow: Foreign Languages Publishing House, 1954. 8vo. 101, (102) pp. Frontis. port. of Mendeleev, plates. Teal cloth, black and gilt-stamped cover and spine titles. Previous owner's inked signature on ffepp Fine. Z1469 \$ 10
742. [MENDENHALL, Thomas Corwin (1841-1924)] Henry CREW. *Biographical Memoir of Thomas Corwin Mendenhall, 1841-1924.* Washington: National Academy of Sciences, 1935. Series: *NAS, Biographical Memoirs*, Vol. XVI, Seventh Memoir. 8vo. 331-351 pp. Frontis. port. of Mendenhall with facsimile autograph. Printed wrappers. Fine. Z1928 \$ 10

743. **MENNINGER, Karl.** *Ali-Baba und die 39 Kamele; Ergötzliche Geschichten von Zahlen und Menschen.* Munich & Berlin: R. Oldenbourg, 1940. 12mo. 130, [2] pp. Figs. original pale orange printed boards; light wear to joints. Bookplate of Barnabas Hughes. Very good. Ten stories about numbers and people, led by the famous story of Ali Baba's four sons who were to inherit 39 camels divided amongst them (but how such that no camel is divided itself!?). [BH] \$ 10
744. **MERCHANT, Carolyn.** *The Death of Nature; Women, Ecology, and the Scientific Revolution.* San Francisco: Harper & Row, (1980). 8vo. xx, 348 pp. 24 figs., index. Quarter cloth, boards, dust-jacket; jacket a bit worn. Ink ownership signature of David C. Lindberg. Very good. ISBN: 0062505718 / 0-06-250571-8 \$ 15
745. **MERLEAU-PONTY, Maurice** (1907-1961). *Phenomenology of Perception.* Translated from the French by Colin Smith. New Jersey: The Humanities Press; Routledge, (1994). Reprint. 8vo. xxi, 466 pp. Index. Printed wrappers. Very good. \$ 10
746. **MEYERSON, Émile** (1859-1933). *Du Cheminement de la Pensée.* Paris: Librairie Félix Alcan, 1931. Series: *Bibliothèque de Philosophie Contemporaine.* Three volumes. 1,036 pp. Original printed wrappers. Near fine set. Scarce.

\$ 75

FIRST EDITION. "The work moves beyond science to focus on the application of principles of reason to the realm of common sense." "Émile Meyerson, a chemist and philosopher of science, proposed that the explanations of science are governed by two fundamental principles of reason, namely, the principle of lawfulness and the principle of causality. While the contents of explanations change through history as the explanatory theories of science move from early atomism and qualitative theories to relativity physics and quantum mechanics, the form of thought stays the same, Meyerson said. ...

"Meyerson studies the theories of science from the point of view of psychology. His work spans a 2500-year period of developments in science, and he claims that the goal of reason to explain and control nature is the same now as always because of the action of two innate psychological principles. Meyerson then extends their range to the realm of common sense. His study generates two main questions. The first concerns the accuracy of what he says about the mind, while the second applies his discovery to the course of future developments in science. Can the proper use of these psychological principles help us avoid bad science?

"Meyerson calls his two innate psychological principles "lawfulness and causality." The first principle of reason leads us to expect the regularity of natural events. We expect to find that the relationship between conditions and property behavior in nature remains constant. In his words, "our acts are performed in view of an end which we foresee; but this foresight would be entirely impossible if we did not have the absolute conviction that nature is well ordered, that certain antecedents determine and will always determine certain consequences" (IR 19). The second innate principle, causality, leads us to expect identities between the antecedent and consequent of a change. This principle underlies the success of scientific laws." - *Internet Encyclopedia of Philosophy*; <http://www.iep.utm.edu/meyerson>.

See: Chimento, Cristina, *Writing the History of the Mind: Philosophy and Science in France, 1900 to 1960s.* Ashgate, 2008, p. 98.

747. [MERRILL, George Perkins (1854-1929)] Waldemar LINDGREN. Biographical Memoir of George Perkins Merrill, 1854-1929. Washington: National Academy of Sciences, 1935. Series: NAS, Biographical Memoirs, Vol. XVII, Second Memoir. 8vo. 33-53 pp. Frontis. port. of Merrill with facsimile autograph. Printed wrappers. Fine. Z1930 \$ 10
748. **Meteorological Society.** Catalogue of the Library of the Meteorological Society. Revised to December 31st, 1875. London: Williams and Strahan, 1876. 8vo. viii, 78 pp. Index. Printed wrappers; spine and rear cover missing (cords still strong). Z1729 \$ 18
749. **MEYER, Hans.** *Analyse und Konstitutions-Ermittlung Organischer Verbindungen.* Berlin: Julius Springer, 1916. Third edition, enlarged. Large 8vo. xxx, [2], 1056 pp. 323 figures, index. Original printed wrappers; joints reinforced with plain paper, extremities worn, signatures loose. Former ownership name of D.C. Carpenter. Good working copy. Organic chemistry. SCARCE. \$ 20
750. **Micrologus V.** *La visione e lo sguardo nel medio evo = View and vision in the Middle Ages.* Sismel [Florence]: Edizioni del Galluzzo, 1997. 8vo. 265 pp. Illus., index. Printed wrappers. Ink ownership signature of David C. Lindberg. Fine. Another part was issued in 1998; Bijdr. aan een Convegno Internazionale, Lausanne, 26-28 oktober 1995, en vier studiedagen in 1996. Bevat bijdr. in het Duits, Engels, Frans of Italiaans. Scarce. \$ 45  
Includes papers: Christiane Trottmann, Facies et essential dans les conceptions medievals de la vision de Dieu; Thomas Ricklin, Vue et vision chez Guillaume de Conches et Guillaume de Saint-Thierry: le réit d'une controverse; Jean-Pierre Torrell, La vision de Dieu per essentiam selon saint Thomas d'Auïn; Kurt Flasch, Nicolaus Cusannus, Vom Sehen Gottes; Giacinta Spinosa, Visione senibile e intellettuale: convergenze gnoseologiche e linguistiche nella semantica della vision medieval; Laurence M. Eldredge, The Anatomy of the Eye in the Thirteenth Century. The transmission of theory and the extent of practical knowledge; Graziella Federici Vescovini, Vision et réalité dans la perspective au XIV siècle, and others.
751. [MILL, John Stuart (1806-1873)] Ney MacMINN, J.R. HAINDS & James McNab McCRIMMON [eds.]. *Bibliography of the Published Writings of John Stuart Mill. Edited from his Manuscripts, with Corrections and Notes.* Bristol: Thomemmes, (1990). Reprint of the 1945 edition. 8vo. xiv, 101 pp. Dark blue cloth, gilt-stamped spine title. Fine. Chronological bibliography from 1822 to 1873. ISBN: 1855060469 Z1473 \$ 10
752. **MILLER, George Abram (1863-1951).** *Historical Introduction to Mathematical Literature.* New York: Macmillan, 1927. Second printing. 8vo. xiii, 302 pp. Diagrams, indexes; bottom corner of p. 3 torn (text unaffected). Maroon cloth, gilt-stamped spine title; title rubbed. Very good. Z1474 \$ 30
753. **MILLIKAN, Robert Andrews.** *The Electron; Its Isolation and Measurement and the Determination of Some of Its Properties.* Chicago: University of Chicago Press, (1917). 8vo. xii, 268 pp. 33 figures (including on plates), diagrams, tables, chart of the elements at Appendix H, appendices, indexes; rubber ink stamped on Contents page (p. xi). Gilt-stamped maroon cloth; edges gnawed, white tape residue on lower spine. Ex-library copy [Dominion Astronomical Observatory, Ottawa, Canada]. \$ 200  
First Edition. "In 1909 Millikan measured the charge of the electron, a feat for which he won the 1923 Nobel Prize in physics." (Concise DSB).

754. [MILLIKAN, Robert Andrews (1868-1953)] **Albert F. GUNNS & Judith R. GOODSTEIN** [eds.]. *Guide to the Robert Andrews Millikan Collection at the California Institute of Technology*. New York: Center for History of Physics, AIP, (1975). Series: National Catalog of Sources for History of Physics, Report Number Four. 8vo. vii, 217, [1] pp. Half-tone frontis. port. of Millikan, illustrations, Printed wrappers. Near fine. Z1476 \$ 22
755. **MILLOSEVICH, Elia Filippo Francesco** (1848-1919). *Bibliografia Astronomica: Riguardante Pubblicazioni Astronomiche dell'Osservatorio del Collegio Roman dal 1803 al 1847*. [No place given]: [No publisher or date]. (265 x 200 mm). [4] pp. Pages extracted from covers and loose. Very good. Z1478 \$ 10
756. **MILNE-THOMSON, Louis Melville** (1891-1974). *Theoretical Hydrodynamics*. London: Macmillan, 1938. 8vo. xxi, 552 pp. 4 plates, figs., index. Original dark green cloth; joints carefully mended. Very good. [HL] \$ 25
757. **MIQUEL, Pierre**. *Les Organismes Vivant de L'Atmosphère*. Paris: Gauthier-Villars, 1883. 8vo. viii, 310 pp. 86 figures, 2 lithographic plates. Quarter blue calf, morocco boards, raised bands; corners showing. Bookplates of Institute of Chemistry of Great Britain and Ireland, and Metchnikoff Memorial Library. Very good. First edition. Miquel: "Made elaborate investigations on the bacteria of air, water, and soil, and became the authority on the subject." Bulloch, *The History of Bacteriology*. p. 384. RARE. \$ 250
758. **MISNER, Charles W.; Kip S. THORNE; John Archibald WHEELER**. *Gravitation*. New York: W. H. Freeman, (1973). 4to. xxvi, 1279 pp. Geometric and sign convention end-leaves. Original printed wrappers; extremities lightly rubbed. SIGNED AND INSCRIBED FROM WHEELER to Dr. Carson Todd in ink at half-title. SIGNED AND INSCRIBED FROM THORNE to Todd at title-page. Very good. ISBN: 0716703440 \$ 125
- In-depth text offering a full-year graduate-level course on gravitational physics.
- Wheeler's inscription reads: "Warm good wishes to Dr. Carson Todd from John A. Wheeler 18 Sept. 1999 (Chinese translation by Mrs. Li...published last year in Taiwan and now being smuggled into China because she and her husband are 'out of favor' in the mainland."
- "Wheeler [1911-2008] was a professor at Princeton University and was influential in mentoring a generation of physicists who made notable contributions to quantum mechanics and gravitation." "Wheeler was the driving force behind the voluminous general relativity textbook *Gravitation*, co-written with Charles W. Misner and Kip Thorne. Its timely appearance during the golden age of general relativity and its comprehensiveness made it the most influential relativity textbook for a generation." – Wikipedia.
759. **MITCHEL, Ormsby MacKnight** (1809-1862)] **Phineas Camp HEADLEY** (1819-1903). *The Patriot Boy; or, the Life and Career of Major-General Ormsby M. Mitchd.* New York: William H. Appleton, (1865). Series: Young American's History of Modern Heroes. 12mo. ads. 4, 278 pp. Double frontis. with tissue guard, 3 plates, 1 fig; some foxing. Dark green cloth, embossed decorative cover design, gilt-stamped spine title and illustration. Penciled ownership signature and inscription. Very good (a lovely copy). Z1481 \$ 50

760. [MITCHEL, Ormsby MacKnight (1809-1862)] **Frederick Augustus MITCHEL** (1839-1918). *Ormsby MacKnight Mitchel, Astronomer and General: A Biographical Narrative*. Boston and New York & Cambridge: Houghton, Mifflin and Company & the Riverside Press, 1887. 8vo. viii, 392 pp. Engraved frontis. port. of Ormsby MacKnight Mitchel with facsimile autograph, index. Navy cloth, gilt-stamped spine title, t.e.g.; spine ends frayed. Good +. Z1482 \$ 100
- Mitchel (July 20, 1805 – October 30, 1862) was an American astronomer and major general in the American Civil War. A multi-talented man, he was also an attorney, surveyor, and publisher. He is notable for publishing the first magazine in the United States devoted to astronomy. Known in the Union Army as “Old Stars”, he is best known for ordering the raid that became famous as the Great Locomotive Chase during the Civil War (*Wikipedia*).
761. [MITCHELL, Maria (1818-1889)] **Alice Owen ALBERTSON**. “Maria Mitchell, 1818-1889.” Offprint from: *Vassar Quarterly*, [no date]. (210 x 130 mm). 10 pp. Frontis. port. of Mitchell. Printed wrappers. Fine. Z1934 \$ 10
762. [MITCHELL, Maria (1818-1889)] **Helen L. MORGAN**. *Maria Mitchell, First Lady of American Astronomy*. Philadelphia: Westminster Press, (1977). FIRST EDITION. 8vo. 141 pp. Index. White cloth, blue stamped spine title, dust-jacket; jacket soiled and worn, cloth faintly soiled. Very good. ISBN: 0664326145 Z1484 \$ 11
763. **MITCHELL, Merle**. *Mathematical History; Activities, Puzzles, Stories, and Games*. National Council of Teachers of Mathematics, (1978). 4to. v, 74 pp. Figs. Color printed wrappers; hole-punched. Very good. ISBN: 0873531388 / 0-87353-138-8 [BH] \$ 5
764. **MOHR, Jenka** [comp.]. *Bibliographies of Edward Charles Pickering, 1846-1919, and Solon Irving Bailey, 1854-1931*. Washington: National Academy of Sciences, 1932. Series: *NAS, Biographical Memoirs*, Vol. XV, Fifth and Sixth Memoirs. 8vo. 18 pp. Port. plates of Pickering and Bailey with facsimile autographs. Printed wrappers. Faint rubber stamp on front cover. Near fine. Z1935 \$ 10
765. **MOHR, Jenka**. *A Bibliography of Star Clusters*. [No place given]: Printed from Funds Resulting from the Will of Josiah Quincy, Jr., 1744-1775. Series: Harvard College Observatory, Circular 402. Folio size. 6 pp. Self-wraps. Former library copy with the usual markings. Very good. Z1487 \$ 20
766. **MONGE, Gaspard** (1746-1818). *Traité élémentaire de Statique, A l'usage des Ecoles de la Marine. Troisième édition*. Paris: Baudouin, [1799]. 8vo. 200 pp. 5 folding engraved plates. Original mauve paste-paper over boards; extremities quite worn. Title ink signature of Chartel[?] Sargent. Very good. Monge was a French mathematician, and the inventor of descriptive geometry. [HL]\$ 190
767. **MONTGOMERY, Scott L.** *Science in Translation; Movements of Knowledge Through Cultures and Time*. Chicago & London: University of Chicago Press, (2000). 8vo. xi, 325 pp. 17 figs., index. Cloth, dust-jacket. [BL2945] \$ 18

768. **MOODY, Ernest; Marshall CLAGETT** (editors). *The Medieval Science of Weights (Scientia de Ponderibus). Treatises Ascribed to Euclid, Archimedes, Thabit ibn Qurra, Jordanus de Nemore and Blasius of Parma*. Madison: The University of Wisconsin Press, 1960. Series: *The University of Wisconsin Publications in Medieval Science*, I. Second printing. 8vo. x, 438 pp. Index. Cloth. Ink ownership signature of David C. Lindberg. Very good. \$ 60  
This is one of the few resources on Medieval weights. See: Richard Lorch, pp. 513-514, "Science of Weights", within: Thomas F. Glick, Steven John Livesey, Faith Wallis, *Medieval science, technology, and medicine: an encyclopedia*, 2005. BL2946
769. **[Moon] Salvador RAURICH**. *Exposición General de Estudios Lunares. Celebrada en Mayo y Junio de 1912 en la Universidad de Barcelona. Bajo los Auspicios del Excmo. Sr. Rector. Catálogo*. Barcelona: Sociedad Astronómica de Barcelona, 1912. Small 4to. ads. [4], (531)-604, ads. [10] pp. 42 unnumbered back to back half-tone plates (including 54 images), index. Printed wrappers; wrappers browned and soiled, spine chipped with pieces missing, bottom corner of front cover and many pages throughout sliced off (text and plates unaffected). Blind stamp of the Harvard College Observatory. Fair. RARE. Z1488 \$ 50
770. **MOORE, Eliakim Hastings** (1862-1932) **G. A. BLISS & L. E. DICKSON**. *Biographical Memoir of Eliakim Hastings Moore, 1862-1932*. Washington: National Academy of Sciences, 1936. Series: NAS, *Biographical Memoirs*, Vol. XVII, Fifth Memoir. 8vo. 83-102 pp. Frontis. port. of Moore with facsimile signature. Printed wrappers. Fine. Z1936 \$ 10
771. **[MORANDI, Orazio] Brendan DOOLEY**. *Morandi's Last Prophecy and the End of Renaissance Politics*. Princeton & Oxford: Princeton University Press, (2002). 8vo. xii, 238 pp. Illus., index. Cloth, dust-jacket. Ink ownership signature of David C. Lindberg. Very good. \$ 22  
"One year before Galileo's, another trial was the talk of Rome. The city's most notorious astrologer – Orazio Morandi, abbot of the monastery of Santa Prassede – was brought before the governor's court on charges of possessing prohibited books, fortune telling, and political chicanery. His most serious crime was to have predicted the death of Pope Urban VIII, ..." ISBN: 0691048649 / 0-691-04864-9
772. **MORDELL, Louis Joel** (1888-1972). *Reflections of a Mathematician*. Montreal: Canadian Mathematical Congress, 1959. 8vo. vii, 50 pp. Frontis. port. of Mordell. Printed wrappers; spine a little worn. Very good. Z1937 \$ 25  
SIGNED PRESENTATION INSCRIPTION FROM MORDELL inside front cover. "Louis Joel Mordell (28 January 1888 – 12 March 1972) was a British mathematician, known for pioneering research in number theory. He was born in Philadelphia, USA, in a Jewish family of Lithuanian extraction. He came in 1906 to Cambridge to take the scholarship examination for entrance to St John's College, and was successful in gaining a place and support... In 1920 he took a teaching position in Manchester College of Technology, becoming the Fielden Reader in Pure Mathematics at the Victoria University of Manchester in 1922 and Professor in 1923. There he developed a third area of interest within number theory, geometry of numbers. His basic work on Mordell's theorem is from 1921/2, as is the formulation of the Mordell conjecture" (*Wikipedia*).