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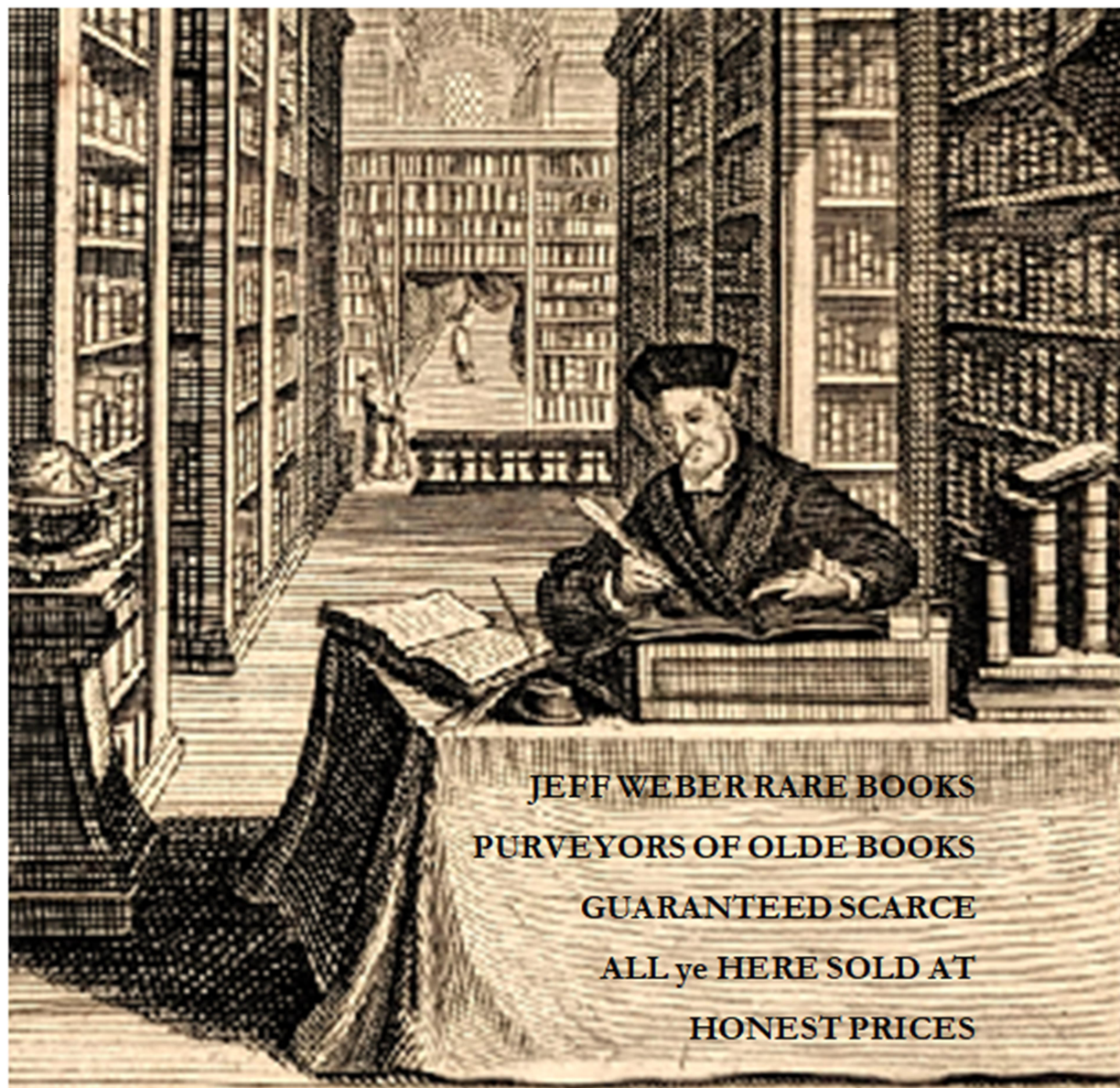
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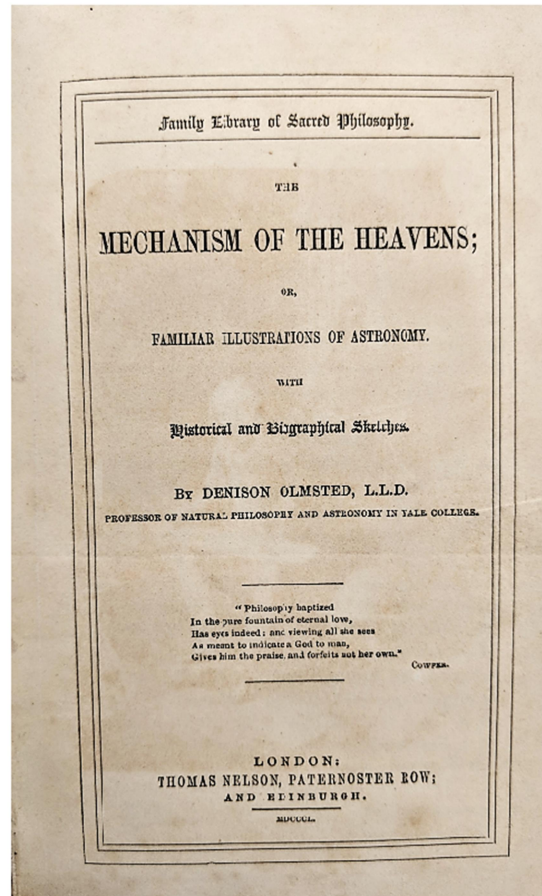
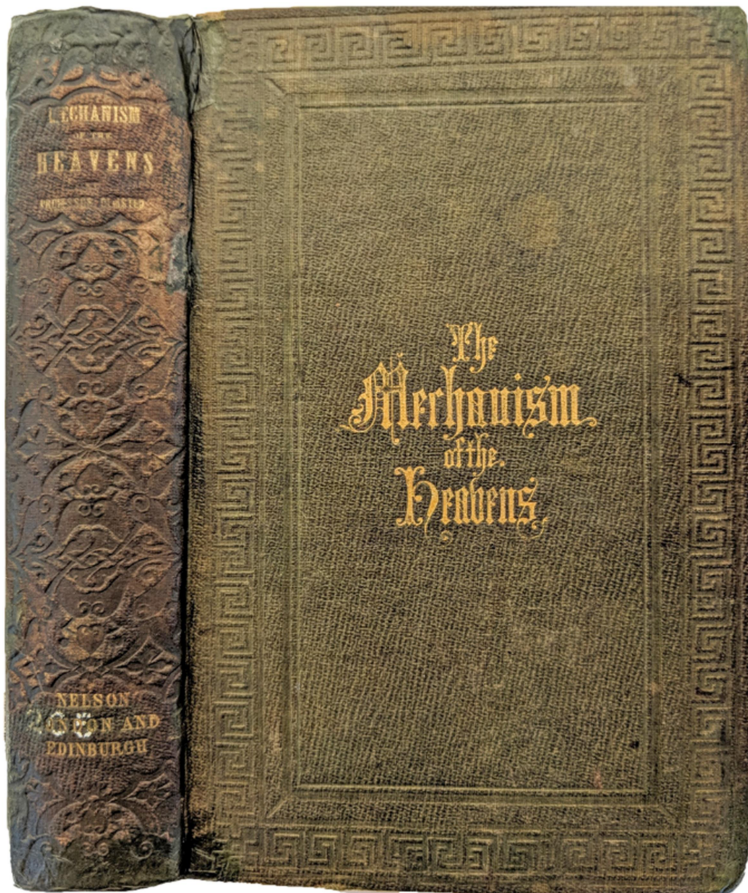
BOOKS

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**RARE
BOOKS**





1588 **OLMSTED, Denison** (1791-1859). *The Mechanism of the Heavens; or, Familiar Illustrations of Astronomy, with Historical and Biographical Sketches.* London: Thomas Nelson, 1850. Series: *Family Library of Sacred Philosophy*. ¶ Small 8vo. [v]-xii, [13]-404, [12] pp. Frontis. (showing 2 men with telescope and various

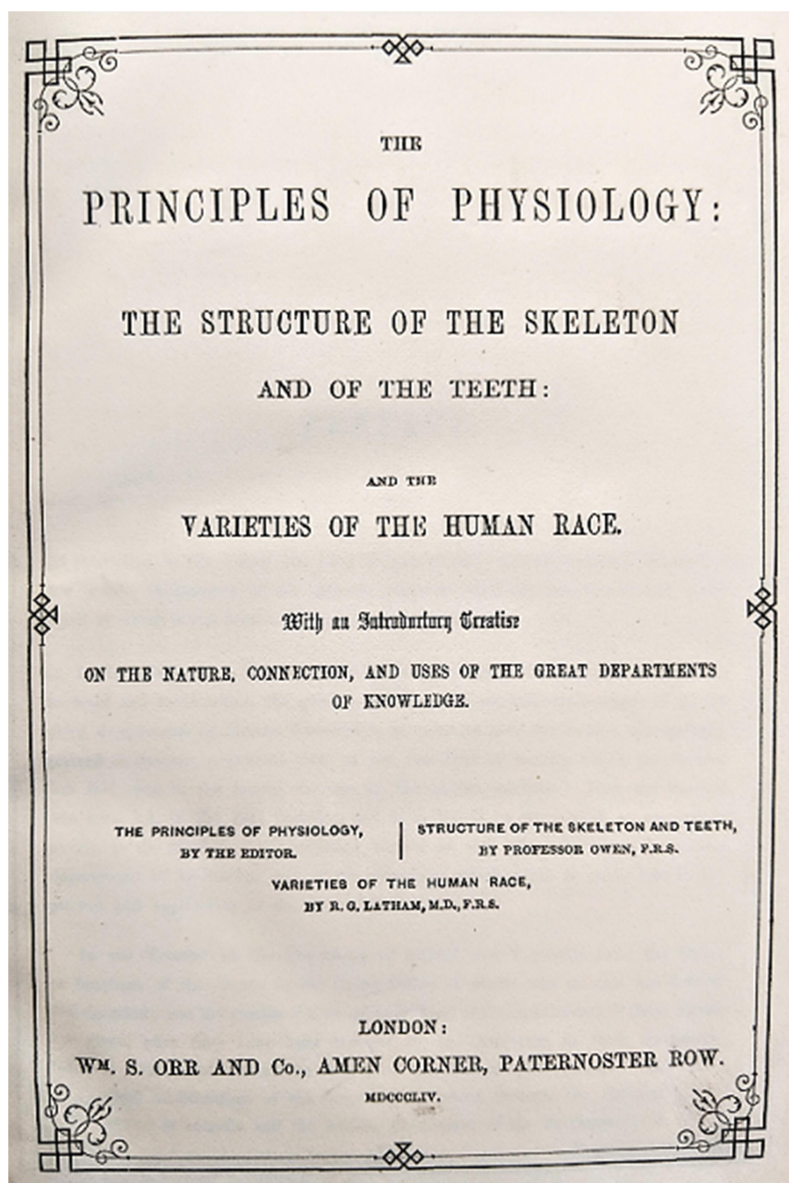
instruments and a globe), 24 (total) cyan-blue color plates [specifically: 8 pls. in front, 1 pl. facing p. 319, 15 numbered pls. at rear], 77 figs., index. Original green blind- and gilt-stamped cloth; some neat repairs. Early ownership signatures of John Warrick and Henry C. Platt. Very good.

\$ 75

First edition. The author, in his preface, quotes the Edinburgh Review, to advance the attitude of that journal, that the "views of social and political science" are now in public demand, and that those devoted professionally to the sciences, should make that information available to all, the "well-informed of all professions, and to the more intelligent, at least, of the other sex." Olmsted, Professor of Natural Philosophy and Astronomy at Yale College, was one of the first astronomers to seriously study meteors. His "most notable contributions to astronomy arose from his observations of the 13 November 1833 Leonid meteor storm. He noted that the radiant point, in the sickle of Leo, followed the diurnal movement of the sky . . . Olmsted correctly argued for the shower's origin in interplanetary space, whose meteoric particles traveled along parallel paths and were consumed by fire in the Earth's atmosphere." — Hockey, *Biographical Encyclopedia of Astronomers*, Vol. II, pp. 852-853.

Chapters include: Diurnal Revolutions, Time and the Calendar, Sir Isaac Newton — Universal Gravitation. — Figure of the Earth's Orbit. — Procession of the Equinoxes, The Planetary Motions — Kepler's Laws. — Kepler, Meteoric Showers, System of the World.





1589 **ORR, William Somerville.** *Orr's Circle of the Sciences. A Series of Treatises on the Principles of Science. With Their Application to Practical Pursuits. Organic Nature I-III.* [3 volumes]. London: [I:] Wm. S. Orr; [II & III:] Houlston & Stolman, 1855.

¶ 3 volumes. 8vo. xvi, 393, [1]; [v]-xvi, 538; xvi, 491, [1] pp. Folding color map, profusely illustrated. Half gilt-stamped calf, marbled boards; spines repaired with kozo. Very good.

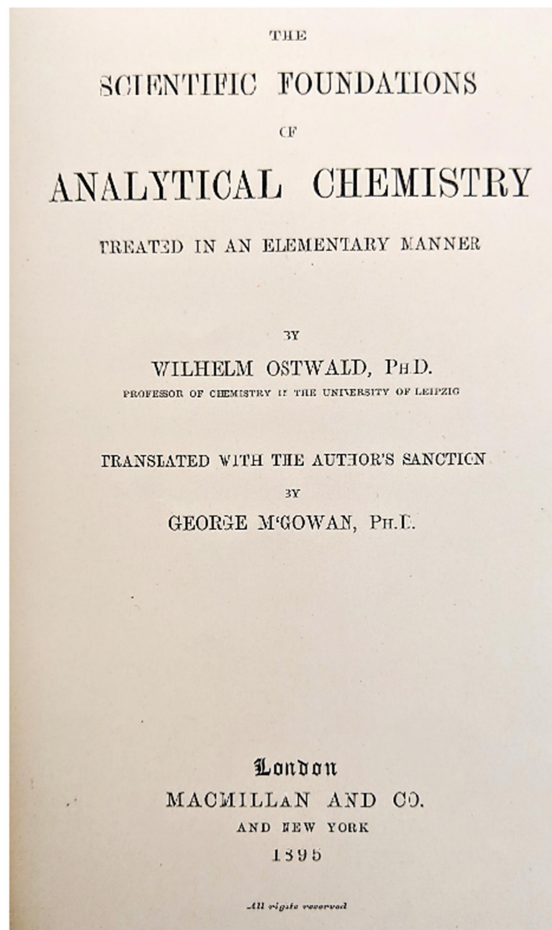
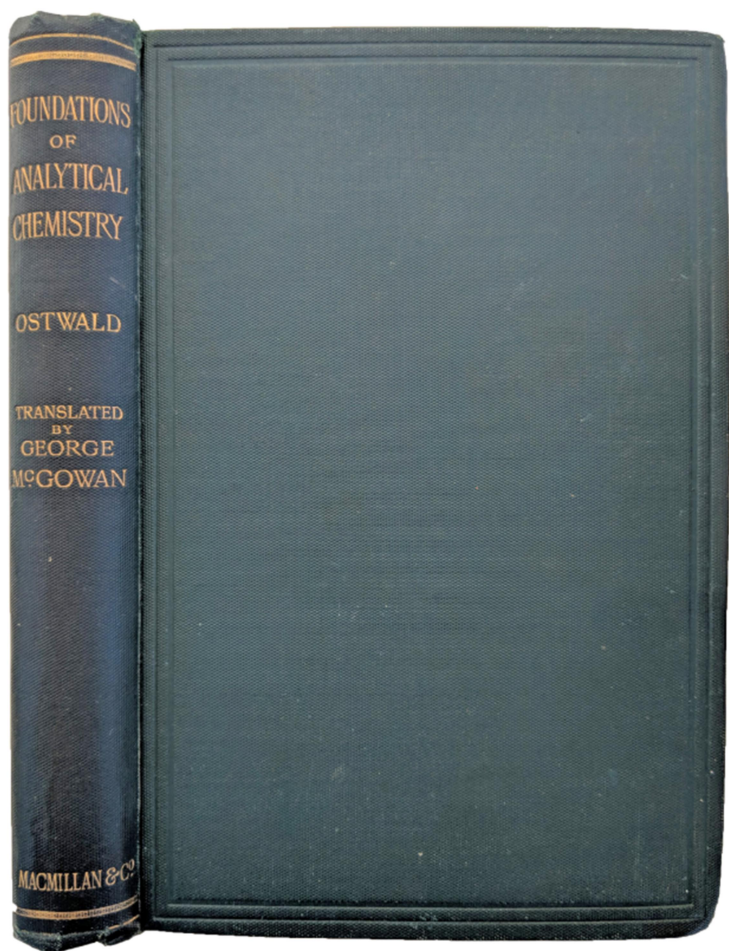
\$ 150

Titles:

Volume I: The Principles of Physiology.

Volume II: A System of Natural History, pt. 1.

Volume III: A System of Natural History, pt. 2.



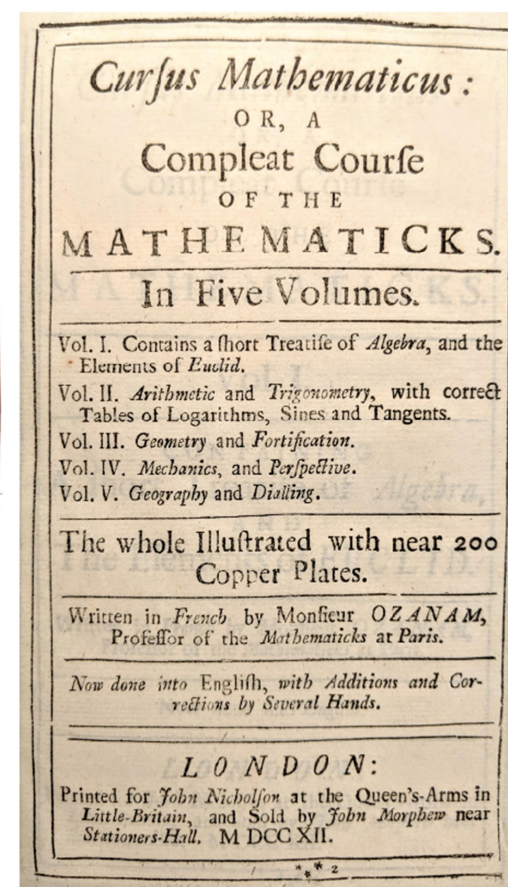
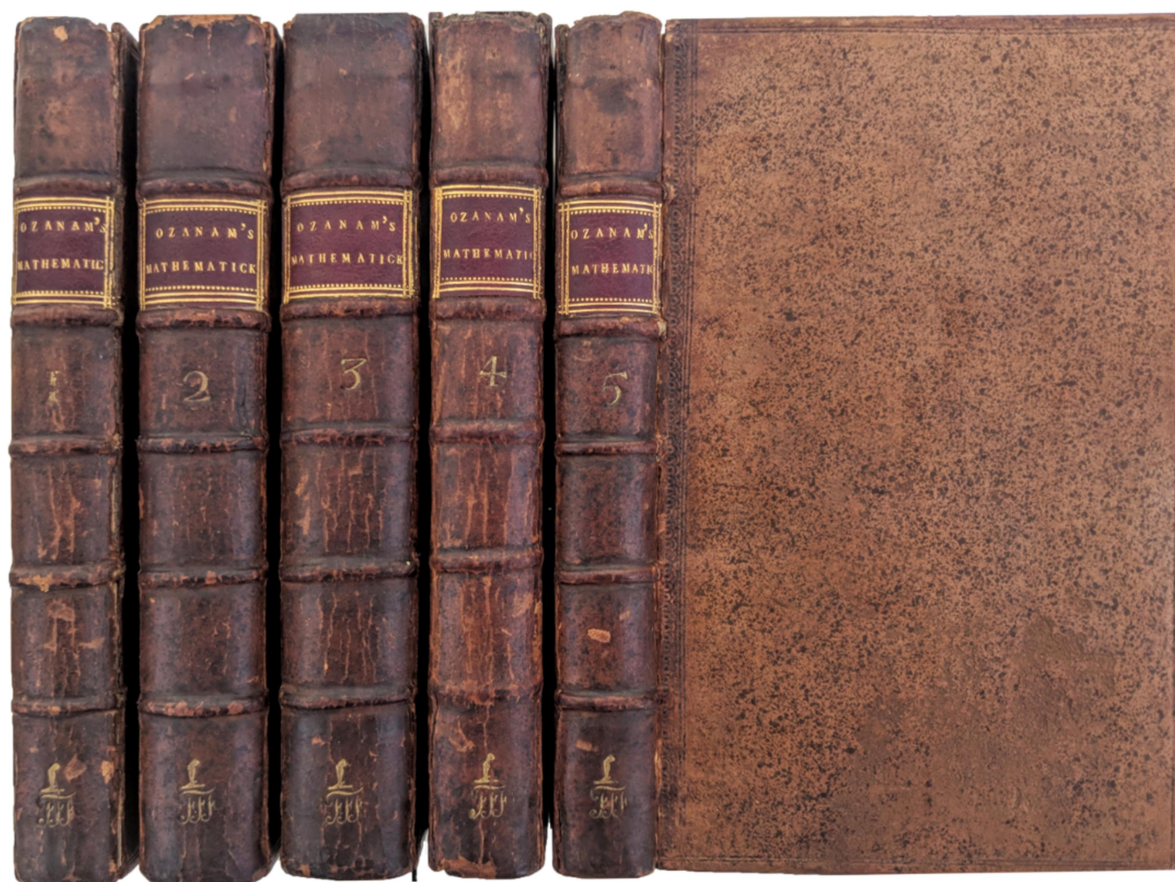
1590 **OSTWALD, Wilhelm** (1853-1932).
The Scientific Foundations of Analytical Chemistry Treated in an Elementary Manner.
London: Macmillan, 1895.

¶ Small 8vo. xviii, [2], 207, [1] pp. Ads. Original dark green blind- and gilt-stamped cloth. Very good.

\$ 125

First edition in English, translated by George McGowan. "The entire field encompassed by the theory of chemical reaction based on

electrolytic dissociation, including indicator theory, was expounded in great detail in Ostwald's *Die wissenschaftlichen Grundlagen der analytischen Chemie* (1894), a work that revolutionized the teaching of analytical chemistry." – *DSB XV*, p. 461. Ostwald won the Nobel Prize in Chemistry in 1909 for his work on catalysis, and is generally considered one of the founders of physical chemistry.



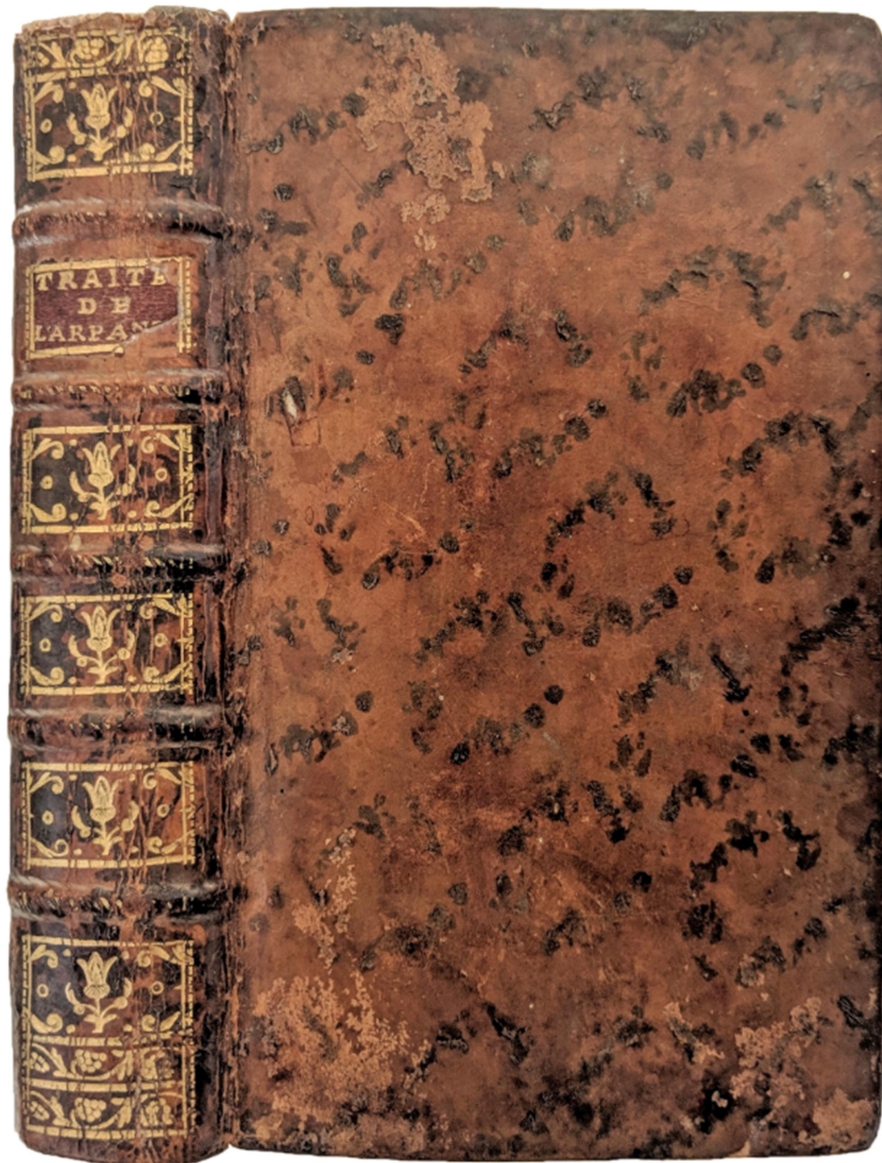
1591 **OZANAM, Jacques** (1640-1718); **DESAGULIERS, John Theophilus** [trans./ed.] (1683-1744). *Cursus Mathematicus: or, a Compleat Course of the Mathematicks in five volumes*. [Vols. I-III]: London: John Nicholson, and Sold by John Morphew, 1712. [Vols. IV-V]: Oxford: Printed by L. Lichfield for John Nicholson. . ., and Sold by John Morphew, 1712.

¶ 5 volumes [complete]. 8vo. (6), x, (4), 1-80, 1-288; (24), 1-92, 1-156, 1-72, (8); (16), 1-215, (1), 1-131, (1), (10); (32), 1-185, (7), (14), 1-204, (8); (16), 1-166, (18), (292) pp. "Nearly 200" engraved plates, extensive tables, subscriber's list. Original blind-stamped speckled calf, modern maroon leather gilt-stamped spine labels; joints cracked, volume 1 corner bumped. Ownership gilt-stamps at foot of spine: "FFF" with a floating leg and spur above. Very good.

\$ 1950

First English edition. Ozanam was a self-taught French mathematician, better known for his writing than for any major discoveries (though he did effect significant improvements on existing logarithmic tables). Nearly the entire first volume is devoted to Euclid's Elements. The work also contains: trigonometry, calculating tables, geometry, geodesy, fortification, mechanics (simple & compound engines), statics, hydrostatics, perspective, geography and dialing. The English edition of the *Cursus Mathematicus* also contains contributions from the English mathematician J. T. Desaguliers: "In 1712 Desaguliers was also working on Ozanam's *Cursus mathematicus*. This was a complete course in mathematics in five-volumes, originally in French, and which was 'done into English [. . .] by several hands' for John Nicholson, and again printed by L. Lichfield and sold by John Morphew. Volumes 4 and 5, which treated respectively 'Mechanicks and Perspective' and 'Geography and Dialling,' were specifically said to be translated and 'amended in several places, by J. T. Desaguliers.' [. . .] During his last years in Oxford, Desaguliers was clearly busy not only translating many hundreds of pages of Ozanam's works, but also amending, and even correcting, the French mathematician's works. In the eighteenth century a translator had perhaps more freedom than would be condoned today to put his individual mark on the translated text." – Audrey T. Carpenter, *John Theophilus Desaguliers*, pp. 114-115.

Volumes: I. Contains a short Treatise of Algebra, and the Elements of Euclid; II. Arithmetic and Trigonometry, with correct Tables of Logarithms, Sines and Tangents; III. Geometry and Fortification; IV. Mechanics, and Perspective; V. Geography and Dialling.



TRAITÉ
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ET DU TOISÉ,
Ou Méthode facile pour arpenter &
mesurer toutes fortes de superficies ;
CONTENANT
L'Arithmétique, la Géométrie théorique & pra-
tique, la Trigonométrie rectiligne, l'Arpentage,
le Nivellement, le Toisé des Solides & de la
Maçonnerie, le Toisé des bois de Charpente
suivant la coutume de Paris, avec un nouveau
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[1592]

1592 **OZANAM, Jacques** (1640-1718). *Traite de l'Arpentage et du Toise, Ou Méthode facile pour Arpenter & Mesurer toutes sortes de Superficies; Contenant L'Arithmétique, la Géométrie théorique & pratique, la Trigonométrie rectiligne, l'Arpentage, le Nivellement, le Toise des Solides & de la Maçonnerie, le Toise des bois de Charpente suivant la coutume de Paris, avec un nouveau Tarif pour la réduction des bois quarres, & un Traite de Géodésie ou de la séparation des Terres.* Paris: Chez Ch. Ant. Jombert, 1758.

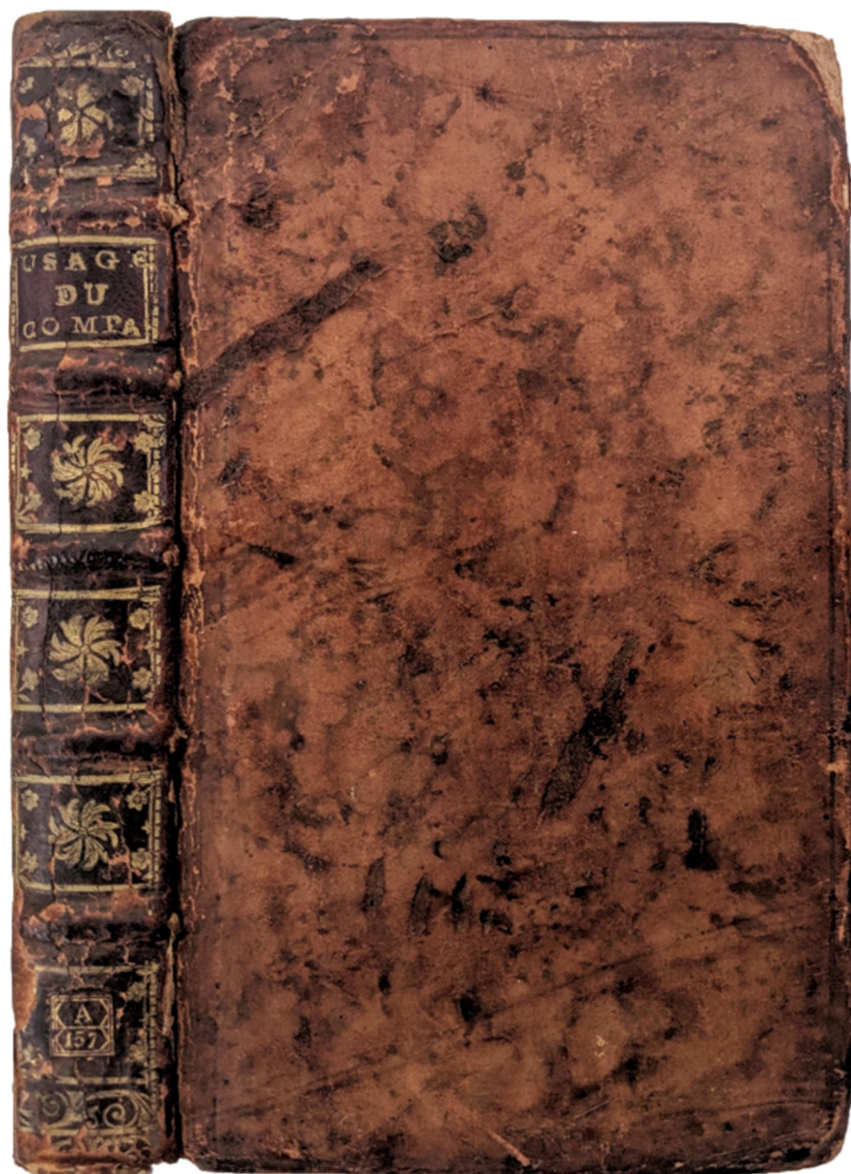
¶ 12mo. xxiv, 481, [3] pp. 12 engraved folding plates, corrigenda. Original mottled calf, gilt spine, leather gilt-stamped spine label; spine rubbed, label chipped. Very good.

\$ 185

New edition, considerably augmented and enriched by engraved figures. This the author's immensely popular and practical treatise on surveying & leveling and all the mathematics (geometry, trigonometry) that are "dedicated specifically to methods of measurement." – Cigola.

The work also gives methods for leveling, measuring solids, masonry, judging height (such as for construction), use of the measuring rod, the King's ordonnances of France (relating to surveying), and geodesy. Ozanam was a French mathematician and lecturer, largely self-taught, who made a name for himself as the author of numerous popular books on mathematics, especially applied mathematics.

See: Cigola, Michela (ed.), *Distinguished Figures in Descriptive Geometry and Its Applications for Mechanism Science, from the Middle Ages to the 17th Century*. Springer, (2016), p. 239.



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D E
P R O P O R T I O N ,
E T D E
L'INSRUMENT
U N I V E R S E L ,

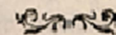
Pour résoudre promptement & très-exactement les Problèmes de la Géométrie pratique, tant sur le papier que sur le terrain, sans aucun calcul.

Avec un Traité de la Division des Champs.

Par M. OZANAM, de l'Académie
Royale des Sciences.

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A PARIS, QUAY DES AUGUSTINS
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M. DCC. XLVIII.

Avec Approbation & Privilège du Roi.

1748

1593 **OZANAM, Jacques** (1640-1718). *Usage du Compas de Proportion, et de l'Instrument universel, Pour resoudre promptement & tres-exactement les Problemes de la Geometrie pratique, tant sur le Papier que sur le Terrain, sans aucun Calcul. Avec un Traite de la Division des Champs. . . .Nouvelle edition.* Paris: Chez Charles-Ant. Jombert, 1748.

¶ 12mo. [arranged by successive 8vo., Sm. 4to. signatures = 12mo.] xxi, [3], 240, 12 pp. 12 engraved folding plates. Ownership signatures of Frank W. Cousins and A. H. Murray, gift inscription of Michael Daley to Frank W. Cousins, armorial bookplate with Stonor family crest. Original mottled calf, gilt-decorated spine; joints worn. Very good.

\$ 400

"In 1688 Ozanam provided an ample explanation of the use of the proportional compass which Galileo Galilei (1564-1642) had illustrated in his work, "Operations of the geometric and military compass" dated 1606. This instrument. . . was intended to provide a quick means of calculation for all operations pertaining to the art of war, such as ballistics or the measuring of distances and of places.

Ozanam's text . . . is divided into two parts. The first regards the construction and use of the sector, that versatile Galilean instrument of 1596. The second consists in a treatise on the division of surfaces." – Cigola, p. 229.

"By almost any criterion Ozanam cannot be regarded as a first rate mathematician, even of his own time. But he had a flair for writing and during his career wrote a number of books, some of which were very popular, passing through many editions. [. . .] In short, his contributions consisted of popular treatises and reference works on 'useful and practical mathematics,'" –William L. Schaaf, *DSB X*, p. 264.

PROVENANCE: Stonor family; A. H. Murray; Michael J. Daley [fl. ca. 1970-75]; Frank W. Cousins (who wrote on sundials (1970) and gyroscopes).


REFERENCES: Cigola, Michela (ed.), *Distinguished Figures in Descriptive Geometry and Its Applications for Mechanism Science, from the Middle Ages to the 17th Century.* Springer, (2016).



ELEMENS
DE
GEOMETRIE,
OÙ
PAR UNE METHODE COURTE
& aisée l'on peut apprendre ce qu'il faut
sçavoir d'Euclide, d'Archimede, d'Apol-
lonius, & les plus belles inventions des
anciens & des nouveaux Geomètres.

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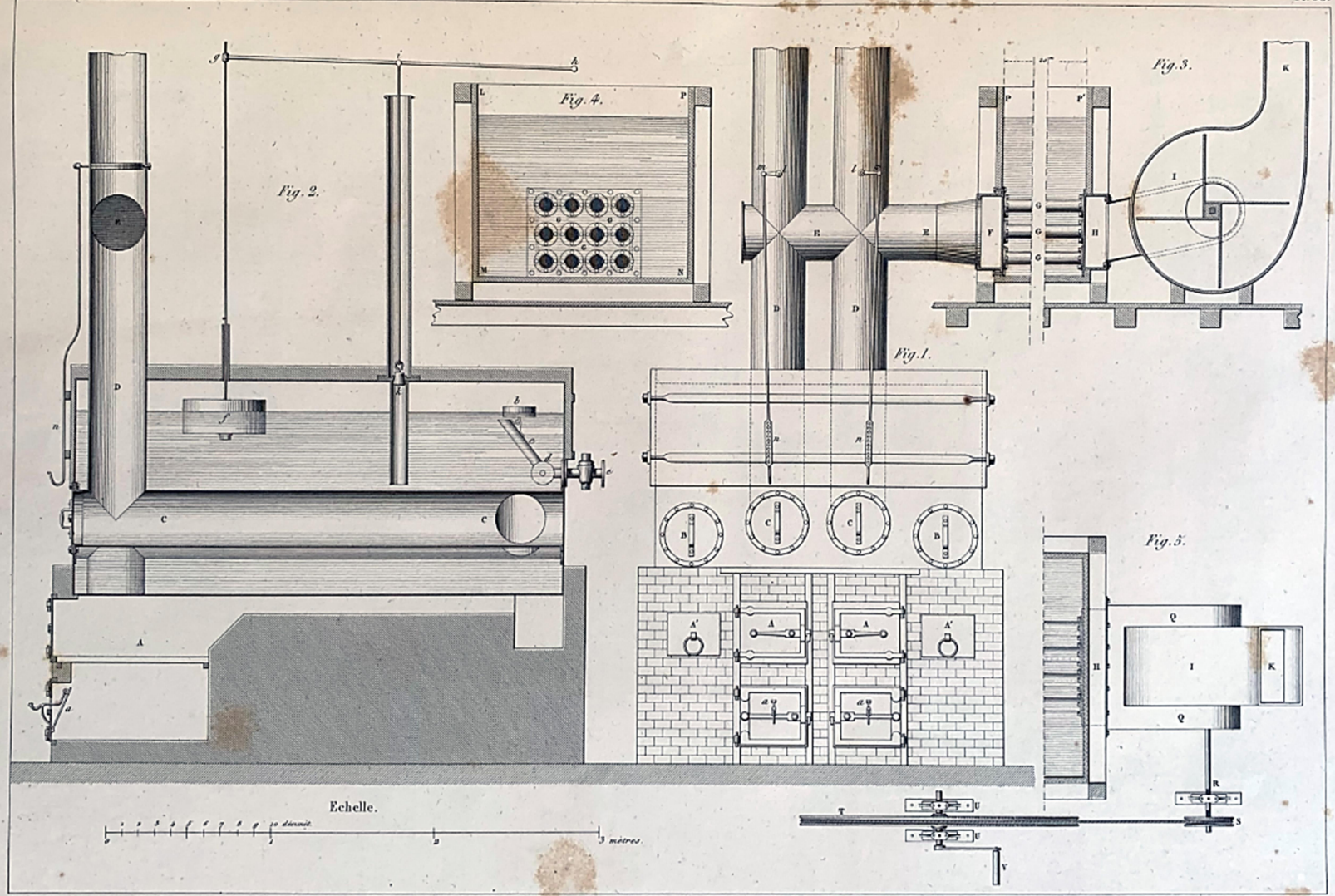
1594 **PARDIES, Ignace Gaston** (1636-1673). *Eléments de Géométrie. . . Quatrième Edition. [with:] La Statique ou la Science des Forces Mouvantes. Seconde édition. [with:] Deux Machines propres à faire les Quadrants avec très-grande facilité.* Seconde édition. [3 volumes in 1]. Paris: Chez Sebastien Mabre-Cramoisy, 1683, 1674, 1676.

¶ 3 volumes in 1. 12mo. [24], 163, [6]; [24], 239, [1]; [10], 58, [2] pp. The first & third works with printer's woodcut device on vignette, head and tail-pieces, numerous woodcut figures (incl. 4 folding pls.); waterstaining throughout. Original gilt-stamped calf. Very good copy.

\$ 600

As a Jesuit priest and a scientist, Pardies, whose works, said to be written with great neatness and elegance*, were popular in their day, "presented a problem to his order. From the time of his appointment at La Rochelle his superiors distrusted him because he was known 'to pursue strange opinions avidly,' and until his death he was continually obliged to compromise his true views on philosophy and science, to the point that they cannot be established with certainty. . . . Although Pardies did not have the time to devote the full measure of his abilities to science, he was undoubtedly one of those vigorous intellects that science always needs, along with great discoverers, especially in an age of transition. That he was just such an intellect is evident from his pedagogical writings and his contacts with the pioneers of physics. . . His notions, as bold as they were naive, purported to demonstrate the spirituality of the soul by virtue of its capacity to understand the infinite through the 'clear and distinct ideas' of certain geometric arguments." – Pierre Costabel, *DSB* X, pp. 314-315.

See: John Mason Good, Olinthus Gregory, Newton Bosworth, *Pantologia: A New Cyclopaedia, Comprehending a Complete Series of Essays . . .* vol. IX, London, 1813. ["Pardies"].



Librairie de L. Hachette.

Gravé par J. Poncelet.



1595 **PECLET, Jean Claude Eugene** (1793-1857). *Traite de la Chaleur. Considerée dans ses Applications. Deuxieme edition.* [2 volumes + atlas]. Paris: L. Hachette, 1843.

¶ 3 volumes [bindings mismatched]. 4to, folio [atlas]. [viii], 456; [iv], 483, [1] pp.; [atlas] 122 steel engraved plates; vol. I half-title and title with closed tears, atlas foxed. TEXT VOLS.: Original quarter blind- and gilt-stamped calf, maroon boards, raised bands, marbled edges; corners showing. ATLAS: Contemporary quarter green morocco, green marbled boards, blind- and gilt-stamped spine, vellum tips; extremities worn. Ownership signatures of [Ernest Hilbert? Hubert?] and Wm. Cochrane. Very good.

\$ 700

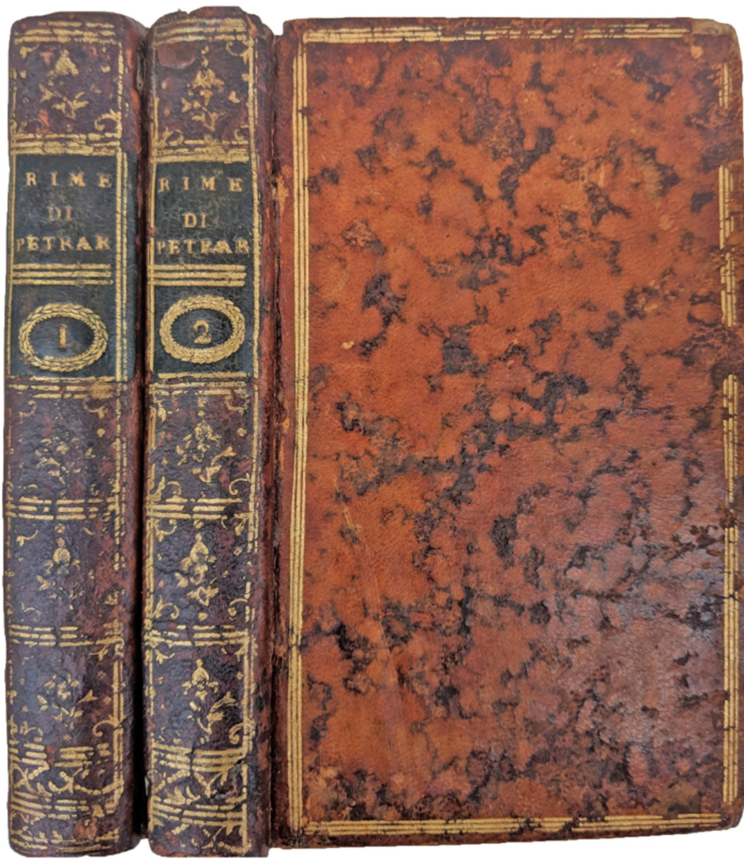
PIONEERING WORK ON ENERGY CONSUMPTION & CONSERVATION. This edition signed by the author and publisher. Published by authority of the author, i.e.: 'any copy without the signature of the author and that of the publisher is deemed counterfeit.'

"Heat transmission tests previously made have in many cases been confined to small specimens so that the data secured have proved unsatisfactory when applied to walls of practical proportions. All investigators in this field have profited by the pioneer experimental work of the French physicist, Pecllet." – A. C. WILLARD, & L. C. LICHTY, "A Study of the Heat Transmission of Building Materials," University of Illinois, 1917.

"A French physicist, born February 10, 1793 at Besancon, Pecllet, became one of the first scholars of the Ecole Normale at Paris, Gay-Lussac and Dulong being his teachers. Pecllet was elected professor at the College de Marseille in 1816, teaching physical sciences there until 1827. He returned to Paris when nominated maître de conférences at the Ecole Normale and was elected professor at the important Ecole Centrale des Arts et Manufactures. In 1840 he became inspecteur general de l'instruction publique and retired from this charge in 1852 to devote himself exclusively to teaching./ His publications were famous for their clarity of style, sharpminded views and well performed experiments. His famous book "Traite de la Chaleur et de ses Applications aux Arts et aux Manufactures" [Paris (1829)] was distributed worldwide" – Thermopedia.

Heating and ventilation was intensely studied in nineteenth century Europe and America. The modernization of buildings as well as the concerns addressed with public health (especially that of cities and against the plague), was seated in the work of Pecllet and others. E.H. Ackerknecht's, "Hygiene in France, 1815-1848" is among those studies to recognize the work of Pecllet.

Emmanuelle Gallo in a paper took the position that French inventors in the history of heating, can still benefit us today with regard to energy conservation o energy consumption. He discussed in particular the work of engineer Eugene Pecllet. – Emmanuelle Gallo, "Lessons Drawn From the History of Heating: A French Perspective," The Culture of Energy, 2008. See also: K Moe, "Insulating North America", Construction History, 2012.



1596 **PETRARCA, Francesco [PETRARCH]** (1304-1374). *Le Rime de Francesco Petrarca*. [2 volumes]. London: Gio. Tom. Masi, 1778. ¶ 2 volumes. 12mo. [4], xxiv, 343, [1]; 300 pp. Frontis. portrait, with fine engraved plates by "Joan. Lapi". Contemporary gilt-stamped mottled calf, gilt-stamped spine labels, all edges gilt; joints starting, spine ends worn. Ownership signatures of Mary C. Johnson and Maria T. Binney. Internally very good; binding good.

\$ 175

Collection of Petrarch's works in the original Italian.



1597 **PETAU, Denis [PETAVIUS, Dionysius]** (1583-1652). *Rationarium Temporum in Partes Duas*. . . [3 volumes in 1]. Amsterdam & Leipzig: Arksteem et Mercurio, 1745. ¶ 3 volumes in 1. Thick 8vo. [xxxii], 795, [1]; [2], 312, [8]; 259, [3] pp. Frontis. engraved portrait, library-themed half-title, 5 engraved plates (facing pp. vol. I: 99, 118, 130, 192, 516 (double-page)), extensive indexes. Title printed in red & black. [Note: pp. I: 263-4 untrimmed, folded to preserve large flap]; faint waterstain noticeable along upper margin. Original gilt-stamped mottled calf, red leather gilt-stamped spine label; extremities worn, corners showing, waterstain to top edge. Very good.

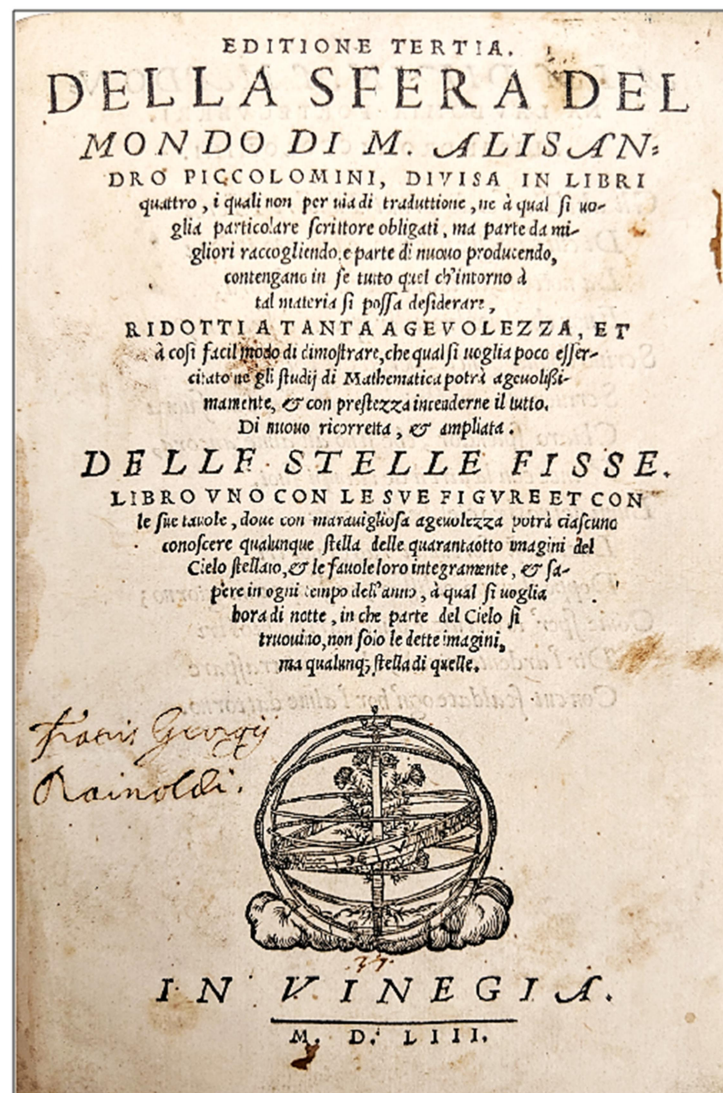
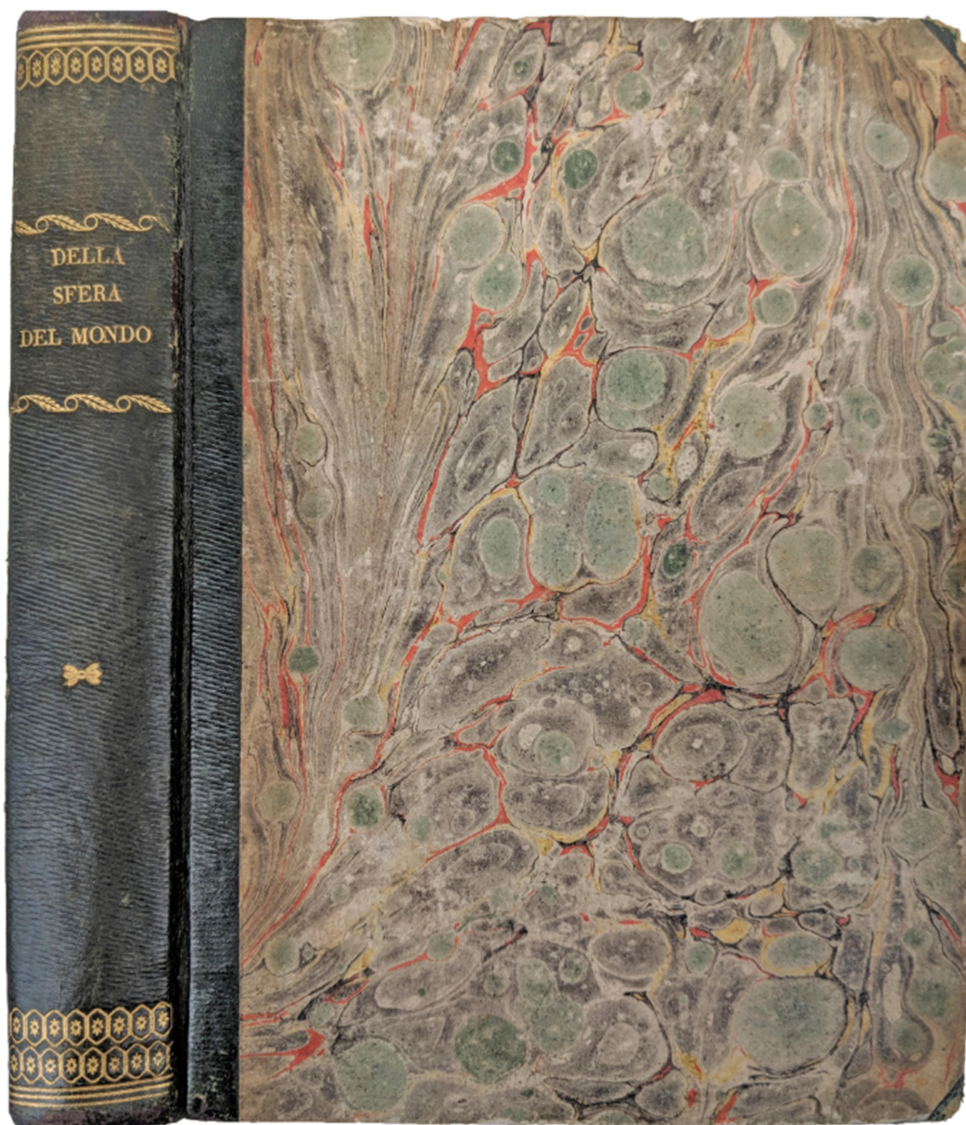
\$ 250

New edition, first published in 1633, and often reprinted, of this Biblical and profane chronology and its mathematical foundations.

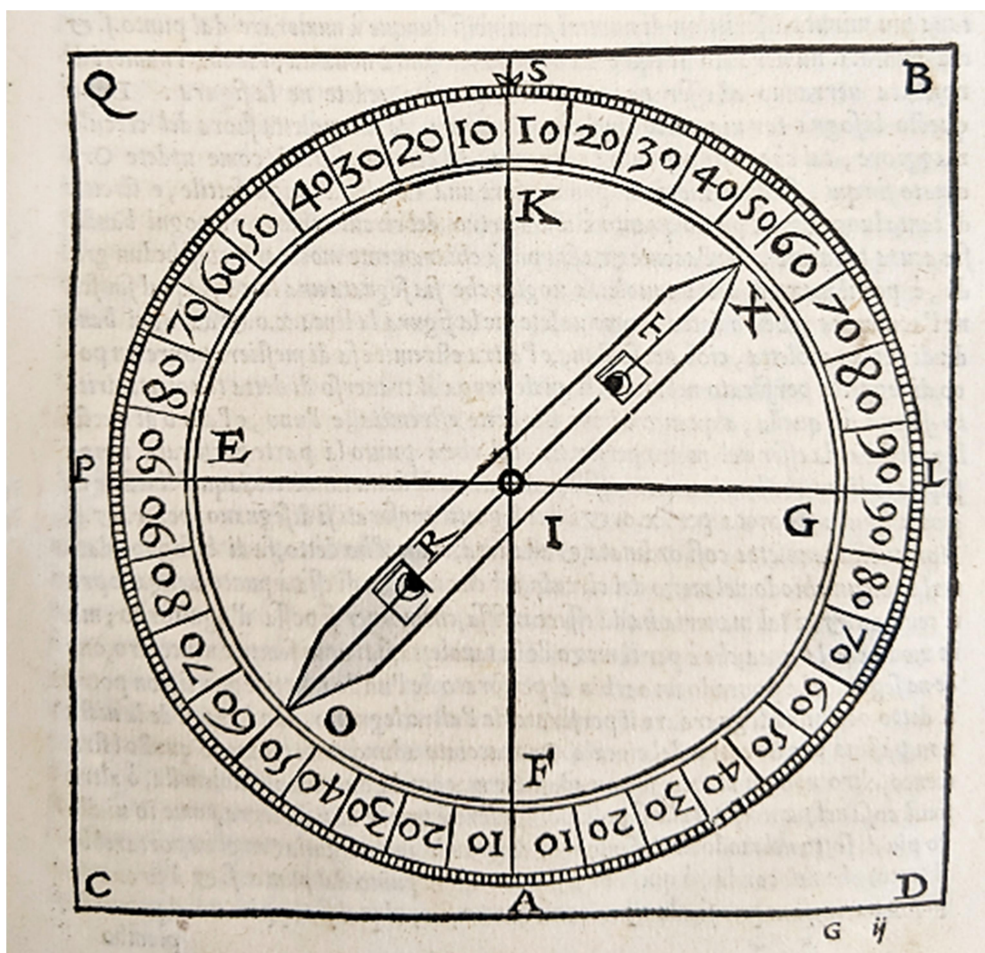
Called a "very elaborate system of dogmatical theology, much esteemed by Protestants as well as Catholics. The fairness of its statements, indeed, drew censure upon the author, as being too favourable to the Arians in his account of the opinions of the early centuries of the Christian church: the Sorbonne obliged him to counteract this effect in an orthodox preface, which however has only made him appear inconsistent with himself. In like manner, his representation of the opinions of St. Augustine having given offence to his brethren of the society, he was forced to retract, and adopt the Molinist sense of those doctrines. It is reported that he said to a friend, as a reason for this alterations, "I am too old to change my lodgings," intimating that he must otherwise have quitted the society: such was its tyranny in matter of opinion! The style of Petau, is much admired for its purity and clearness. . ." – John Wilkes (ed.), *Encyclopaedia Londinensis*, Volume 19, p. 772.

Petau, a Jesuit scholar, "was one of the most brilliant scholars in a learned age. Carrying on and improving the chronological labours of Scaliger, he published in 1627 an *Opus de doctrine temporum*, which has been often reprinted. An abridgment of this work, *Rationarium Temporum*, was translated into French and English, and has been brought down in a modern reprint to the year 1849. But Petau's eminence chiefly rests on his vast, but unfinished, *De Theologicis Dogmatibus*, the first systematic attempt ever made to treat the development of Christian doctrine from the historical point of view." – *Britannica*.

REFERENCES: Begheyn, 1745.6; Sommervogel, VI.601.30.



[1598] PICCOLOMINI



1598 **PICCOLOMINI, Alessandro** (1508-1579). *Della sfera del mondo di M. Alisandro Piccolomini: divisa in libri quattro, i quali non per uia di traduttione, ne a qual si uoglia particolare scrittore obligti, ma parte da migliori raccogliendo, e parte di nuouo producendo, contengano in se tutto quel ch'intorno a? tal materia si possa desiderare : ridotti a tanta agevolezza, et a cosi facil modo di dimostrare, che qual si uoglia poco essercitato ne gli studij di mathemetica potra ageuolissimamente, & con prestezza incenderne il tutto : di nuouo ricoretta, & ampliata; Delle stelle fisse : libro uno con le sue figure et con le sue tavole, doue con marauigliosa agevolezza potra? ciascuno conoscere qualunque stella delle quarantaotto imagini del cielo stellato, & le fauole loro integramente, & sapere in ogni tempo dell'anno, a qual si uoglia hora di notte, in che parte del cielo si truouino, non solo le dette imagini, ma qualunq[ue] stella di quelle. [2 volumes in 1]. Venice: Appresso Bartholomeo Cesono, 1553.*

¶ Sm. 4to. 58; 122, [4] ff. Large historiated woodcut initials, figs., 48 star maps, 48 tables;

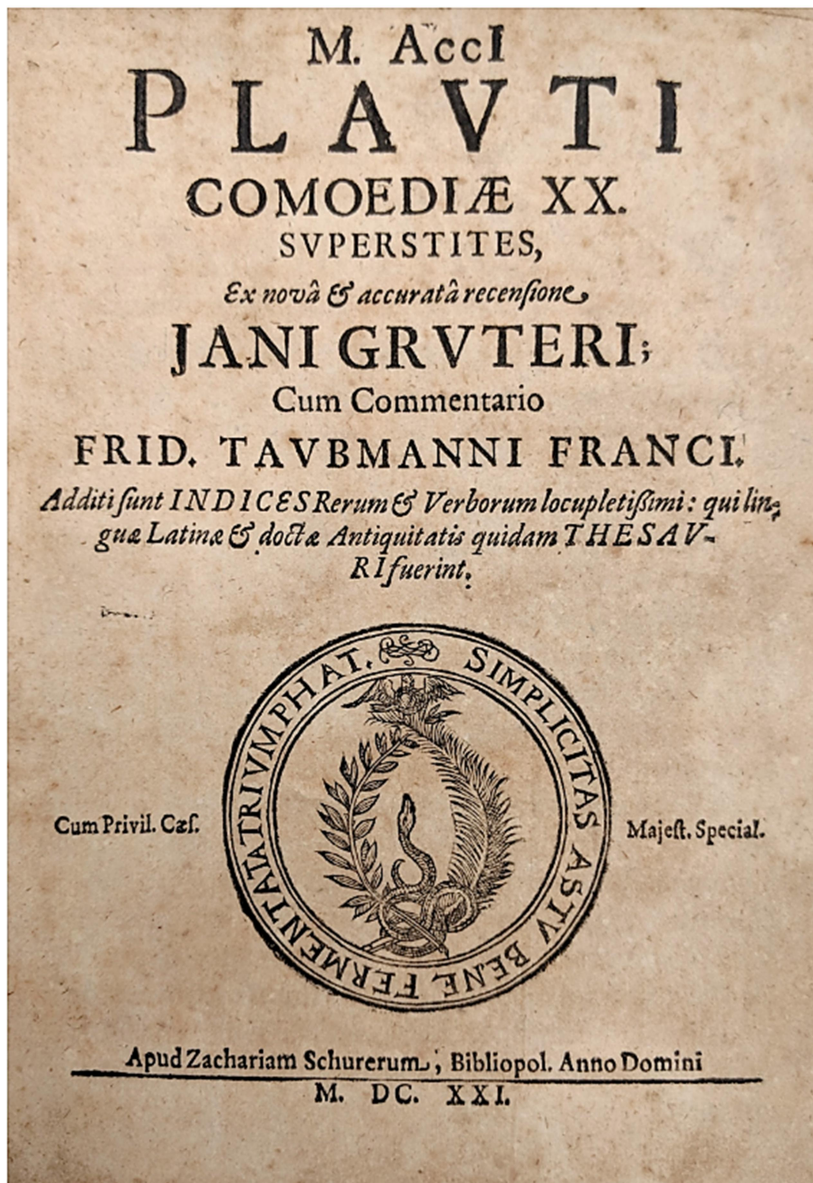
small tear on title, minor worming at rear, short tear Pt. II Giiii [f.52]. Nineteenth century quarter dark green gilt-stamped calf, marbled boards, calf tips; corners showing. Inked signature on title of Fr-- Georgius Rainoldi. Very good.

\$ 2000

Third edition. Two of the most important texts in the history of popular astronomy. "Piccolomini's first astronomical work was *De la sfera del mondo*, a cosmographical work in which he defends the Ptolemaic universe. Though there are a few inferences in later editions that hint at a sympathy with the Copernican system, Piccolomini constantly supported the Ptolemaic viewpoint throughout his life. . . .Piccolomini's best-known astronomical work is undoubtedly *De le stele fisse* . . ., his companion volume to *De la sfera del mondo*. *De le stele fisse* is famous as being the very first star atlas and contains a series of woodcut star maps that seem particularly suited to the casual stargazer. The two books were dedicated to Laudomia Forteguerra, and designed so that she, and any other reader, would be able to recognize the different constellations and find them in the sky. . . .Unlike previous depictions of the constellations, he did not draw in the mythological images associated with them, and so they appear as simple star patterns. Piccolomini included stars from Ptolemy's first through fourth magnitudes, omitting the fainter fifth magnitude stars, and used different star symbols for each of the magnitude classes. The stars were also labeled a, b, c, d, etc., usually in order of their brightness. The accompanying text helps to explain the particulars about each constellation, including the legends associated with them. In the individual maps the constellations are drawn to fill the page and, therefore the different maps are not to the same scale." – Thomas Hockey (ed.), *Biographical Dictionary of Astronomers* v. 2, p. 904 (Ron Brashear).

PROVENANCE: Fr. Georgius Rainoldi, Magister & R.P. Sac. Apost. Pal. Mag. Socius.

REFERENCES: Brown, *Astronomical Atlases, Maps & Charts*, p .17; Owen Gingerich, "Piccolomini's Star Atlas," *Sky & Telescope* 62, no. 6, (1981), pp. 532-4; Kanas, *Star Maps*, pp. 142-144; Paul Luther, *R.A.S Catalogue*, Vol. II, 734; Riccardi, I, 269.



1599 **PLAUTUS, Titus Maccius; Friedrich TAUBMANN** (1565-1613); **Janus GRUTER**. *M. Acci Plauti Comoediae XX superstites, Ex nova et accurata recensione Jani Gruteri cum commentario Frid. Taubmanni Franci. Additi sunt indices rerum et verborum locupletissimi: qui linguae Latinae et doctae antiquitatis quidam thesauri fuerint.* Wittenberg: Zacharias Schürer, 1621.

¶ 4to. [25] ff., 1557 pp., [62] ff. Title vignette, extensive index; occasional early & minor ink underlining. Original full vellum. Very good copy.

\$ 335

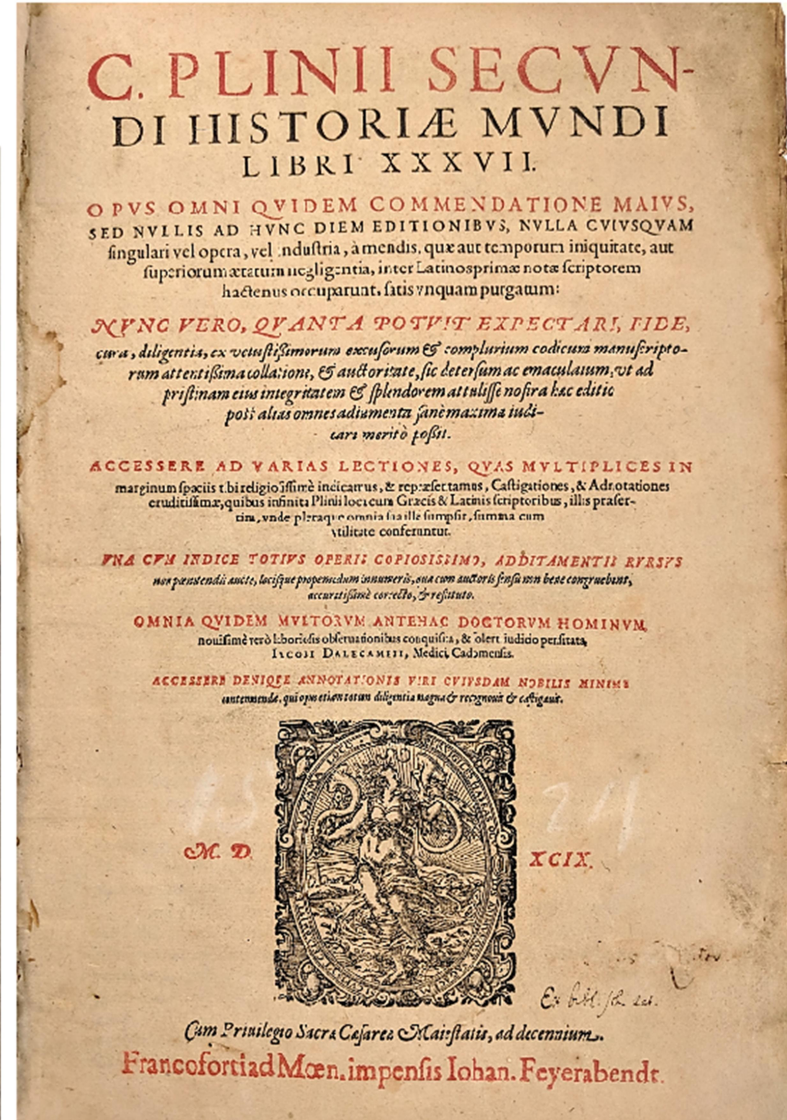
Plautus is one of the most celebrated comic poets of Rome. This important edition by Gruter, with Taubmann's commentaries, is highly regarded. Jan Gruter (1560-1627), a Flemish-born philologist, scholar and librarian at Heidelberg, was the last curator of the Palatine library in Heidelberg, at the time one of the greatest repositories of classical manuscripts in Europe.

"As custodian of the Palatine MSS, [Janus Gruter] had always been ready to oblige scholars who publicly acknowledged his aid. The excerpts from the MSS of Camerarius, which he sent to Taubman for his edition of Plautus (1605-12), were duly acknowledged; but he

regarded with disfavour and endeavoured to discredit the Plautine labours of Philipp Pareus. . .In the third edition of Taubmann's text, Gruter attempted to reflect on the accuracy of Pareus by stating that the text of Taubmann had been bona fide collated by the librarian himself with that of the MSS." – Sandys, A History of Classical Scholarship, vol. II, p. 362.

CONTENTS, being all 20 extant Varronian plays by Plautus: 1. Amphitruo; 2. Asinaria; 3. Aulularia; 4. Captivi; 5. Curculio; 6. Casina; 7. Cistellaria; 8. Epidicus; 9. Bacchides; 10. Mostellaria; 11. Menaechmi; 12. Miles; 13. Mercator; 14. Pseudolus; 15. Poenulus; 16. Persa; 17. Rudens; 18. Stichus; 19. Trinummus; 20. Truculentus.





[1600] PLINY

1600 **PLINY the Elder [C. Plini Secundi]** (61-c. 113); **DALECHAMPS, Jacques [Dalecampius]** (1513-1588) [ed.]. *C. Plinii Secundi historiae mundi libri XXXVII. . . Vna cum indice totius operis copiosissimo. . . Omnia quidem multorum antebac doctorum hominum, nouissime verò. . . conquisita, & solerti iudicio pensitata, Iacobi Dalecampii. . . Accessere denique annotationes viri cuiusdam nobilis [Janus Gruterus or J. M. Wacker?]. . . qui opus etiam totum. . . recognouit & castigauit. . .* Frankfurt am Main: Impensis Iohan. Feyerabendt, 1599.

¶ Folio (in 6s or 8s). [36], 904, [196] pp. Index. Title vignette, title printed in red & black, decorative headpieces. "Impressum Francofurti ad Moenum apud Iohannem Feyerabendt" on verso of final leaf, with printer's device. Original full blind-stamped historiated pigskin; stained, minor worming to upper cover. Early ownership signature on title expunged, the resulting abrasion causing a small hole on title. Very good.

\$ 1000

This volume is notable for its beautiful blind-stamped binding, which is paneled with portraits of religious figures. The text is heavily annotated by Jacques Dalechamps, a French botanist who also made significant contributions to classical scholarship.

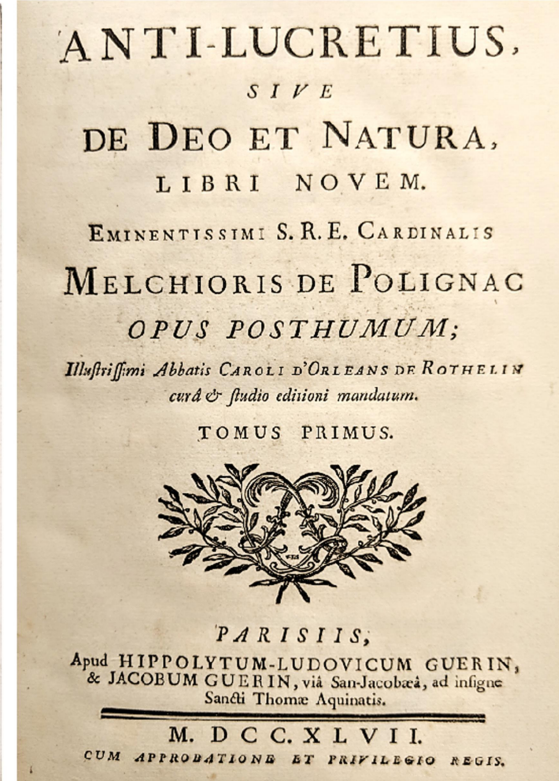
Pliny the Elder was the author of what is often cited as the world's first encyclopedia, the 37 book *Historiae Mundi* or *Naturalis Historia*. "As a purveyor of information both scientific and nonscientific, Pliny holds a place of exceptional importance in the tradition and diffusion of Western culture." – *DSB* XI, p. 40.



1601 **PLUMMER, Henry Crozier Keating** (1875-1946). *An Introductory Treatise on Dynamical Astronomy*. New York: Dover, 1960. ¶ 8vo. xix, [3], 343, [1] pp. Index. Printed wrappers. Very good.

\$ 40

Unaltered reproduction of the seminal 1918 edition. Plummer was an English Astronomer and former president of the Royal Astronomical Society.

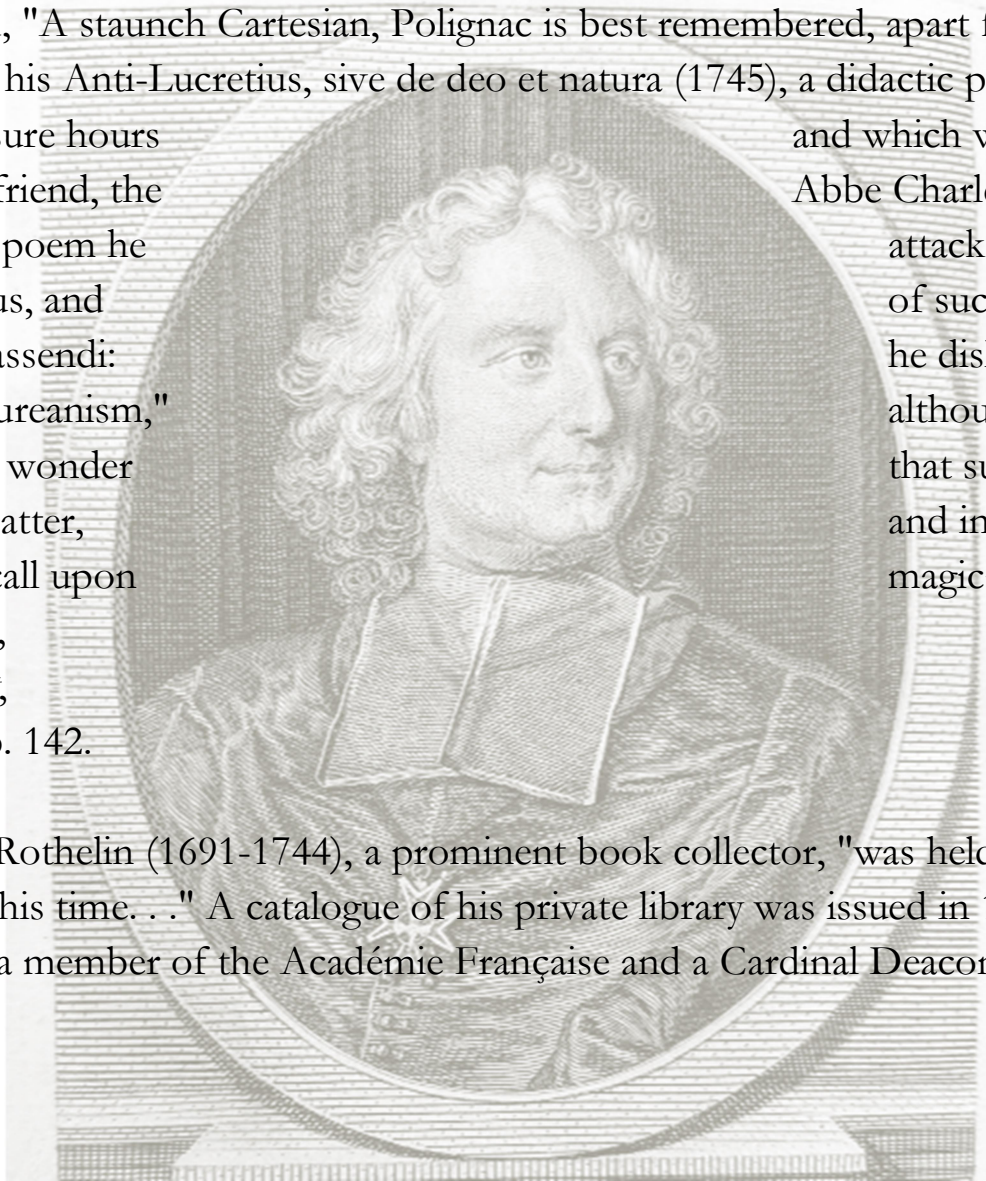


1602 **POLIGNAC, Melchior de** (1661-1742). *Anti-Lucretius, sive de Deo et Natura, Libri Novem*. . . . Paris: Hippolytum-Ludovicum Guerin, & Jacobum Guerin, 1747.

¶ 2 volumes bound in 1. [Complete]. 8vo. [4], xxx, [2], 180, [4], 181-450 pp. Two title-pages. Original full mottled calf, leather gilt-stamped spine label; joints cracked, label chipped. Good.

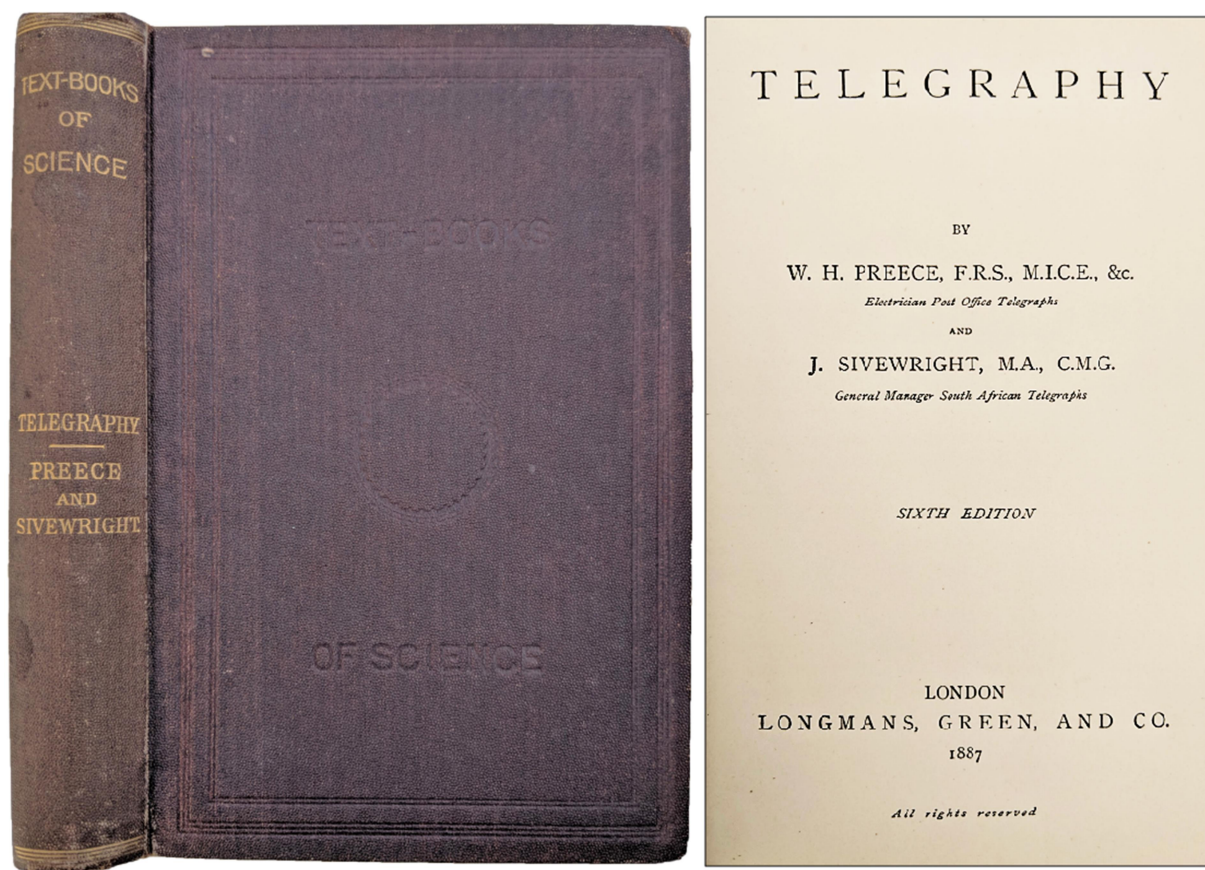
\$ 100

Henry Guerlac, stated, "A staunch Cartesian, Polignac is best remembered, apart from his stellar diplomatic career, for his *Anti-Lucretius, sive de deo et natura* (1745), a didactic poem on which he labored during his leisure hours posthumously by his friend, the Rothelin. In this long poem he Epicurus and Lucretius, and followers as Pierre Gassendi: of as Newton's "Epicureanism," genius, and expressed wonder deprive space of all matter, contact forces could call upon attraction." – Guerlac, *Newton on the Continent*, Cornell Univ. Press, p. 142.



and which was published Abbe Charles d'Orleans de attacked the materialism of of such of their modern he disliked which he spoke although he praised his that such a great man could and instead of invoking magical entities like

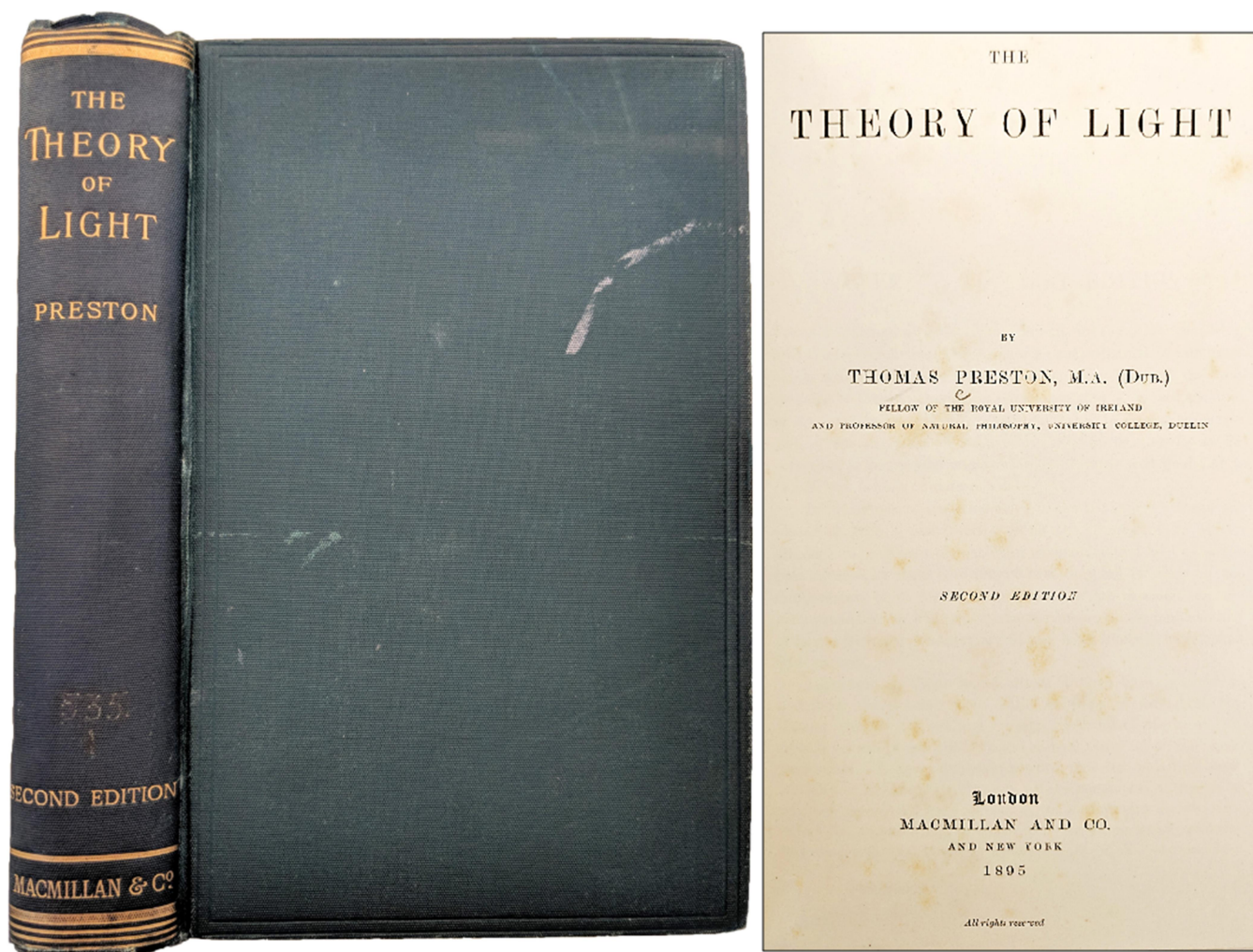
Charles d'Orleans de Rothelin (1691-1744), a prominent book collector, "was held to be one of the wisest bibliophiles of his time. . ." A catalogue of his private library was issued in 1746 by Gabriel Martin. Polignac was a member of the Académie Française and a Cardinal Deacon in the church.



1603 **PREECE, William Henry** (1834-1913); **SIVEWRIGHT, James** (1848-1916). *Telegraphy. Sixth edition.* London: Longmans, Green, 1887. ¶ Sm. 8vo. x, 328 pp. 195 figs., index. Original blind- and gilt-stamped maroon cloth. Very good.

\$ 20

Sixth edition. Chapters include: The Battery, Signalling Instruments, Circuits, Special Telegraphy, Construction, Faults, Fast Repeaters, Quadruplex Telegraphy, Table-Standard Wire Gauge, etc.



1604 **PRESTON, Thomas** (1860-1900). *The Theory of Light*. London: Macmillan, 1895. ¶ Second edition. 8vo. xvii, [1], 574, [2] pp. 250 figs., index, ads; light foxing throughout. Green blind- and gilt-stamped cloth; rubbed. Bookplate of Magee University College Library, Londonderry (withdrawn). Else very good. \$ 15

Introduction to
THERMODYNAMICS OF
IRREVERSIBLE PROCESSES
Third Edition

By I. PRIGOGINE
*University of Brussels
Brussels, Belgium*

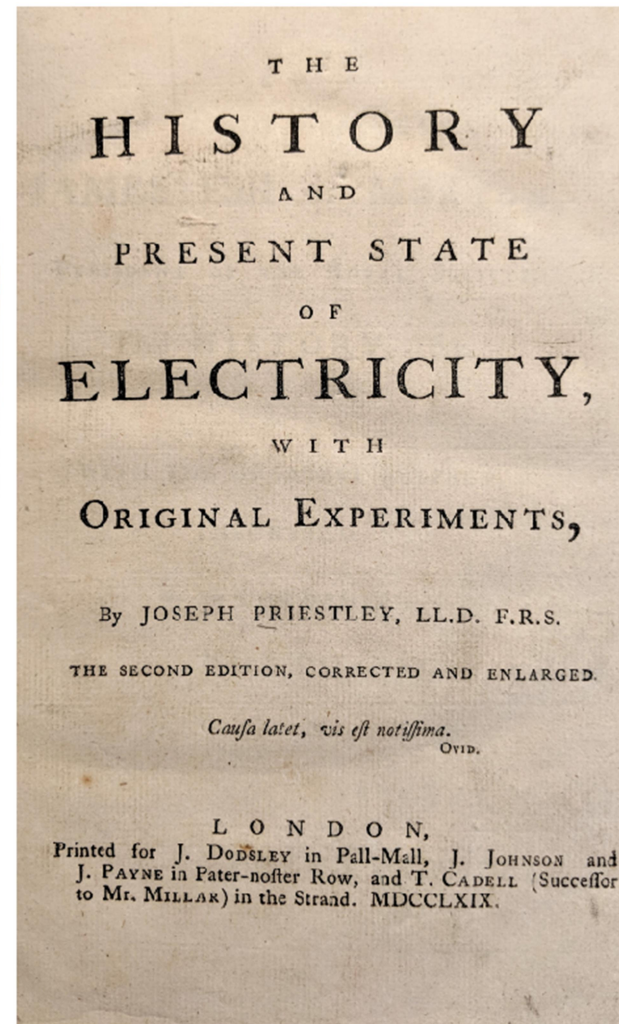
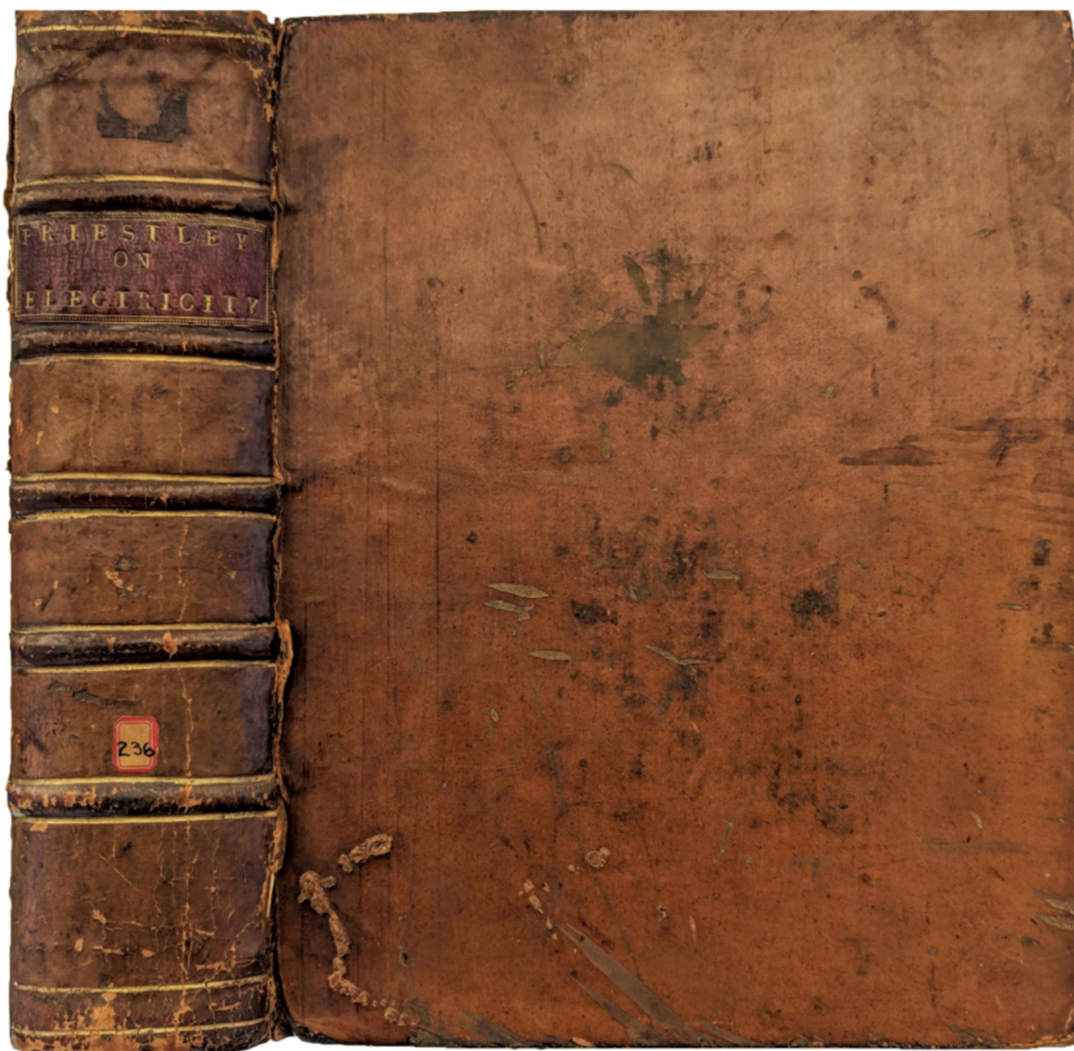
Interscience Publishers,
a division of John Wiley & Sons
New York · London · Sydney

1605 **PRIGOGINE, Ilya Romanovich** (1917-2003).
Introduction to Thermodynamics of Irreversible Processes.
New York: Interscience, 1967.

¶ 8vo. xv, [1], 147, [1] pp. 4 figs., index. Maroon gilt-stamped cloth. Fine.

\$ 60

Third edition. Viscount Ilya Prigogine was a Russian-born physical chemist who received the 1977 Nobel Prize for Chemistry for his work on irreversible thermodynamics.



[1606] PRIESTLEY

1606 **PRIESTLEY, Joseph** (1733-1804). *The History and Present State of Electricity, with Original Experiments*. London: J. Dodsley, J. Johnson, J. Payne, & T. Cadell, 1769.

¶ 4to. [4], xxxii, 712, iii, [11] pp. 2 charts, 8 folding copper plates of electrical machines and apparatus, catalogue of books, index, directions to the binder, ads, specimen chart. Contemporary full calf, gilt-ruled raised bands, red leather spine label; joints cracked. Gift inscription of Frank W. Gunsaulus to the Armour Institute of Technology, July 22, 1920. Very good.

\$ 1750

Second edition (first issued in 1767), corrected and enlarged. While composing this work, which at the time of its publication was the definitive work on electrical theory and research, Priestley communicated frequently with many of the significant electrical researchers of his day, including Franklin, Bergman, Volta, John Canton, Richard Price, and William Watson. The work is both a history of the study of electricity and a collection of the author's early experiments 'prior to those of Mr. Hawkesbee,' and continuing through those of Benjamin Franklin and after. Franklin, who had instigated this work, read the manuscript and made corrections.

"Priestley's electrical work is mostly sound, and much of it is brilliant. It shows him at his best. The 'History of Electricity' supplied an excellent account of previous work both treated historically and summarised systematically, and his own reflexions and experiments . . . He anticipated therein Henry Cavendish and C. A. de Coulomb in the important suggestion that the law of electric attraction is that of the inverse square, deducing this from an experiment suggestion by Franklin." – DNB.

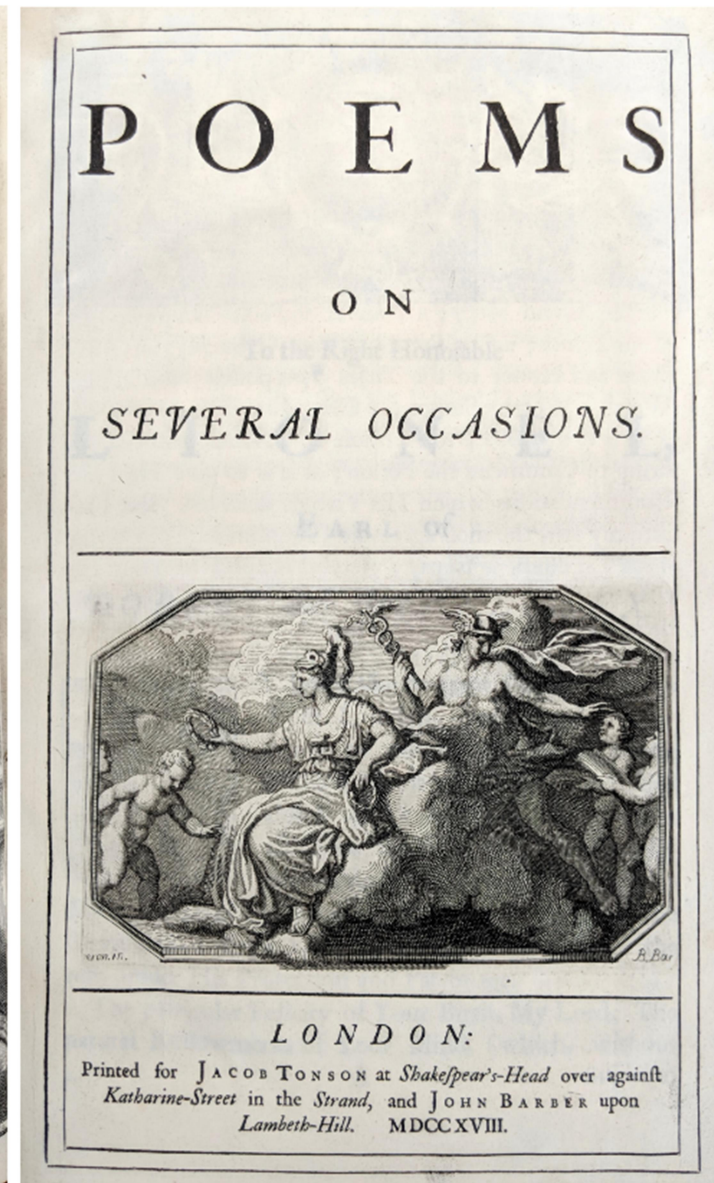
"The History and Present State of Electricity, with Original Experiments was conceived as a methodized account of previous discoveries and an assessment of contemporary electrical studies, to encourage further work on the subject. That is, the work was to be a 'history' in the Baconian sense; and as a

chronicle of near-contemporary and contemporary electrical researches, lucidly and simply described, it was very successful. . .The first edition was marred by Priestley's slight access to the work of German and Scandinavian electricians (a deficiency corrected in later editions through reference to the historical accounts by Daniel Gralath in the *Versuche und Abhandlungen der Naturforschenden Gesellschaft in Danzig*)." – DSB XI, pp. 141-142.

Garber makes the point that Priestley's History is a particular kind, "narrowly defined," of "the state of the field," meaning of experiments and experimentation. He focused his attention on instruments that demonstrate the operation of nature. He did not analyze 'facts' and of 'discoveries' as would be considered history recording today.

PROVENANCE: Frank W. Gunsaulus (1856-1921), a noted preacher, educator, humanitarian and author, who delivered a famous speech, called the "Million Dollar Sermon", wherein he stated that he would start a school to help youth prepare for the modern age, and acted on by the Armour's gift – Armour Institute of Technology, Chicago, Illinois (named for Joseph F. Armour, with funds from his estate, by his brother Philip D. Armour). That school merged with Lewis Institute and became known as the Illinois Institute of Technology.

REFERENCES: Bakken 98, Crook S/481, Gartrell 438, Mottelay 227-8, Norman 1748; Wheeler-Gift 422a. See: Heilbron, J. L., *Electricity in the 17th and 18th Centuries: A Study of Early Modern Physics*, UC Press, 1979; Schofield, Robert E., *The Enlightened Joseph Priestley: A Study of His Life and Work from 1773 to 1804*, University Park: Penn State University Press, 2009; Garber, Elizabeth, *The Language of Physics: The Calculus and the Development of Theoretical physics in Europe, 1750-1914*. New York: Springer, (2001), p. 72.



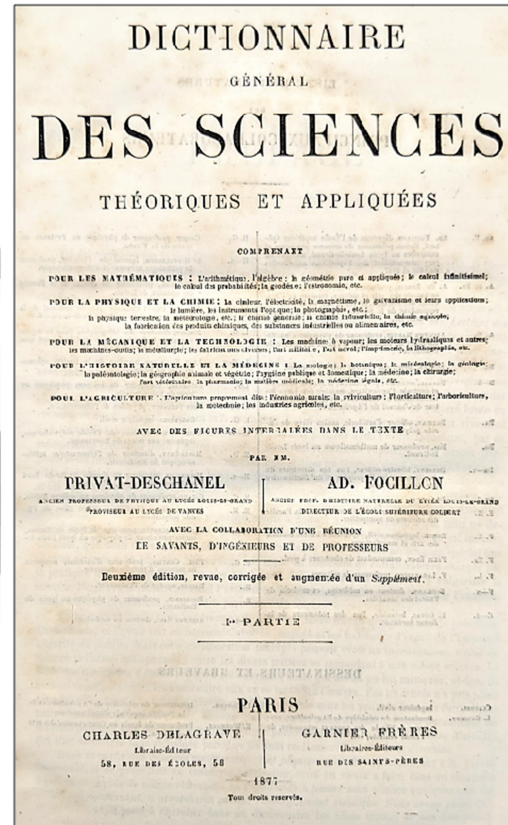
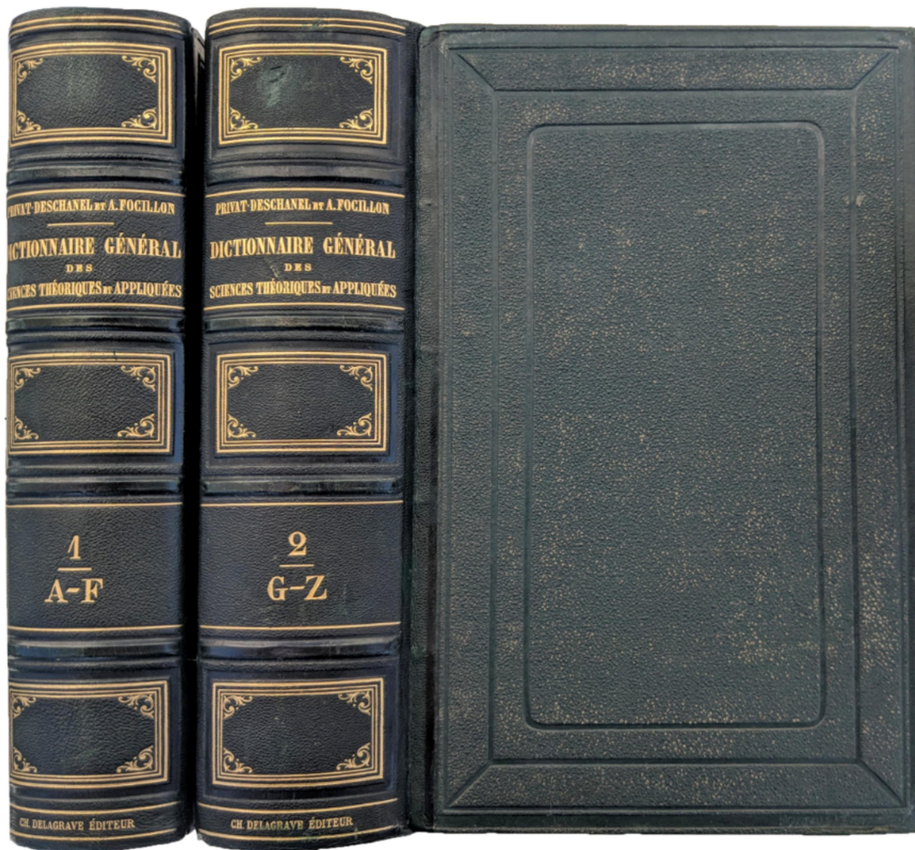
1607 **PRIOR, Matthew** (1664-1721). *Poems on Several Occasions*. London: Jacob Tonson, 1718.

¶ Folio. [44], 506, [6] pp. Frontis., decorative headpieces, tail and initial pieces throughout engraved by B. Brown and D. Beauvais after designs by L. Cheron, list of subscribers. Contemporary full calf, leather gilt-stamped spine label; cracked joints, scuffed. Armorial bookplate of Richard Bateman [of Hartington]. Good.

\$ 200

First thus edition. Exquisitely engraved. With the Dedication to Lionel Earl of Dorset and Middlesex. One of the preeminent poets of the 18th century, Prior was impeached by Robert Walpole in 1715 and kept in house arrest for two years. During this time, aided by poets Jacob Tonson and Alexander Pope, Prior managed to publish *Poems on Several Occasions* by subscription, which allowed him to live in comfort despite the restrictions on his movement. Mrs. Elizabeth Singer's, "Love and Friendship; a Pastoral" appears on pages 31-33. The author's *Alma, or, the Progress of the Mind*, begins on p. 317; *Solomon on the Vanity of the World*, (p. 383+).

□ Ashley Library IV, p. 79; Foxon, p. 641.



1608 **PRIVAT-DESCHANEL, Augustin** (1821-1883).

Dictionnaire General des Sciences Theoriques et Appliquees. Paris: Charles

Delagrave, 1877.

¶ 2 volumes. 4to.

vii, [1], 1151, [1];

[iv], [1151]-2617,

[1], 36 pp. Half-

titles, 2943, + 12

figs. in the

supplement.

Contemporary

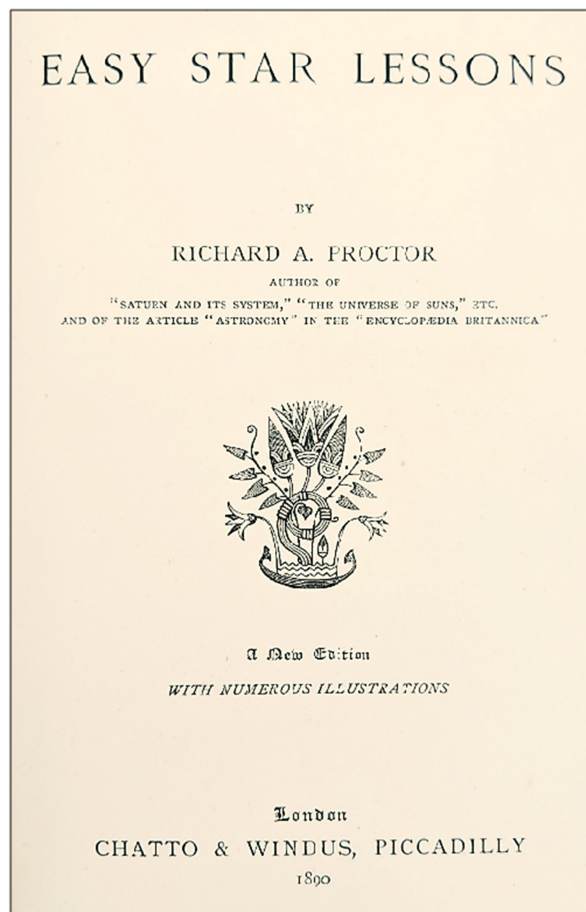
quarter dark

green blind- and

gilt-stamped morocco, green cloth. Beautiful binding, well preserved. Fine.

\$ 250

An extraordinarily detailed science dictionary. Its entries related to mathematics and engineering are particularly well crafted. It also covers physics, chemistry, mechanics, technology, natural history, medicine, agriculture. Privat-Deschanel was a professor of physical sciences, a headmaster, and the author of a number of books popularizing physical science. EXTRA POSTAGE WILL APPLY for shipping.

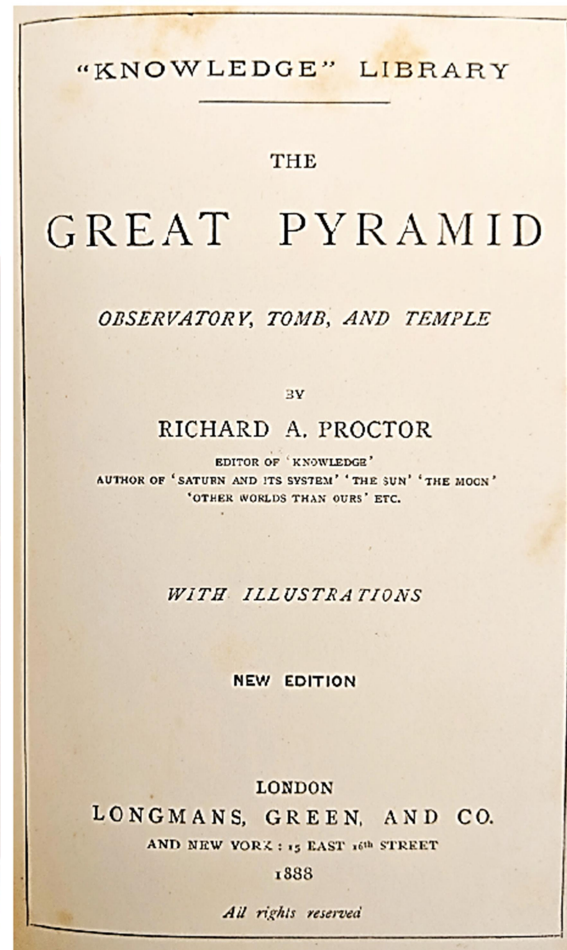
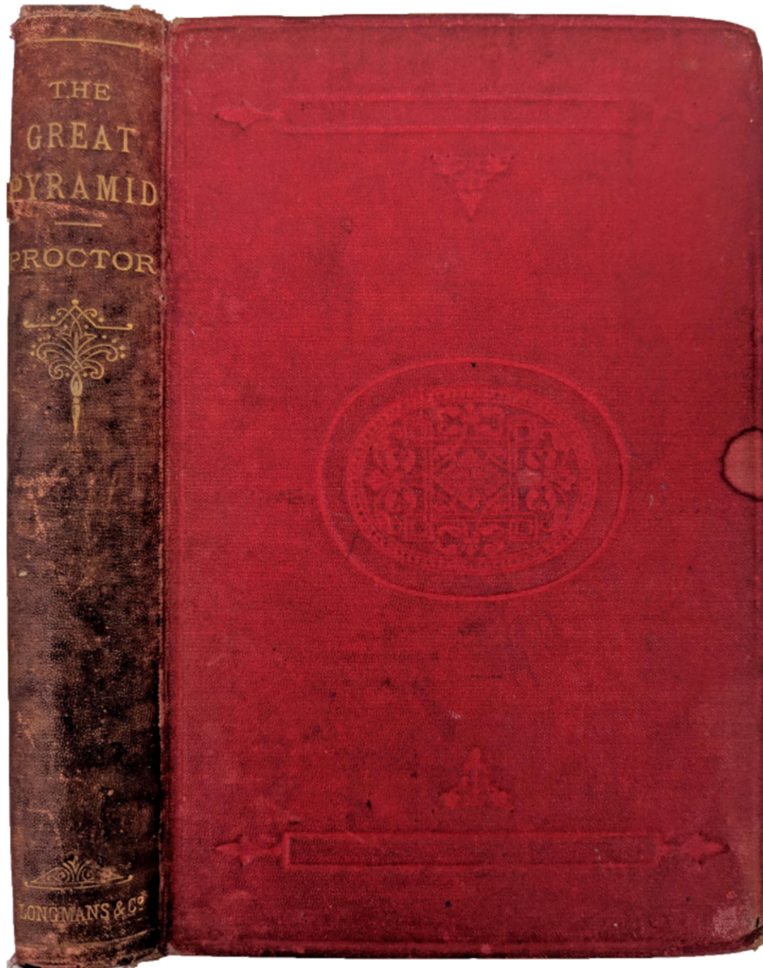


1609 **PROCTOR, Richard A.** (1837-1888). *Easy Star Lessons*. London: Chatto & Windus, 1890. ¶ Small 8vo. 239, [1], 32 [ads] pp. 48 chromo-lithographic star maps, 35 figs., ads (dated 1899). Original blue blind-, black- and gilt-stamped pictorial cloth. Near fine.

\$ 25

New edition. A beautifully illustrated introductory guide to the stars, written by one of the foremost

popular astronomers of his age. Proctor's role in 19th century astronomy is very similar to that of Carl Sagan's or Neil deGrasse Tyson's today.



1610 **PROCTOR, Richard Anthony** (1837-1888). *The Great Pyramid; Observatory, Tomb, and Temple*. New edition. London:

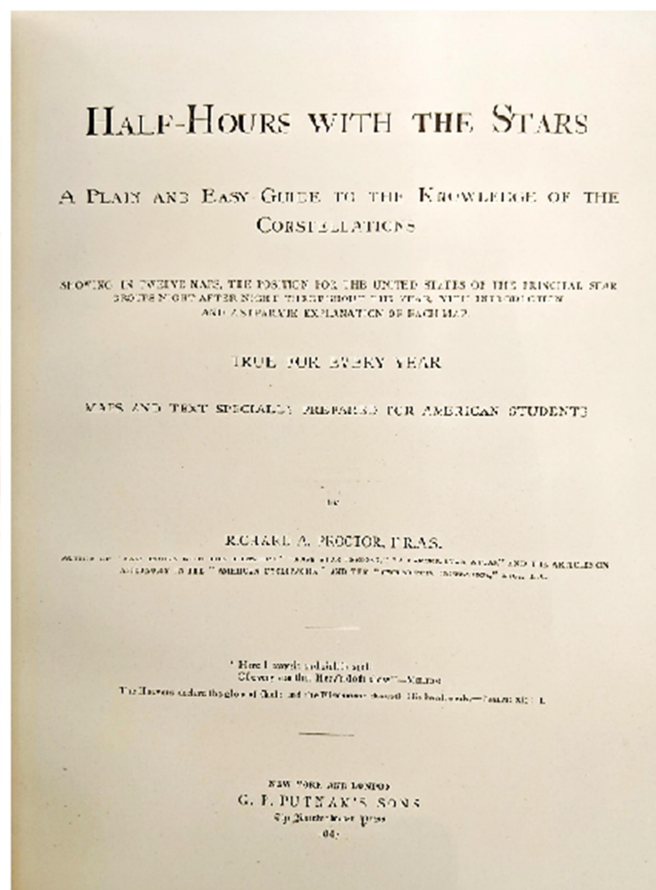
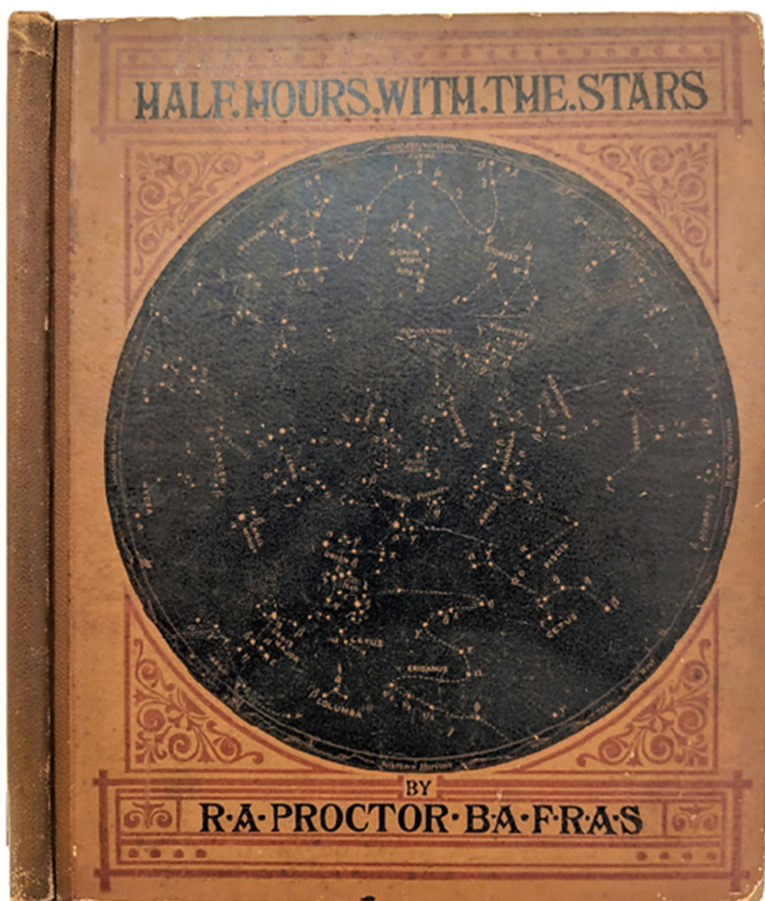
Longmans, Green, 1888. ¶ 8vo. 323, [3] pp. Frontis., 3 plates (including a fold-out horizontal section of the great pyramid), 5 figs., ads. Original brick-red blind- and gilt-stamped cloth; spine darkened, spine extremities worn.

Ownership signature of J. W. Hinds, neat pencil notes on ffep. and half-title (otherwise clean). Good.

\$ 30

While providing much

general history of the Great Pyramid, Proctor spends most of the book propounding his own theories and speculations regarding its astronomical and astrological significance.

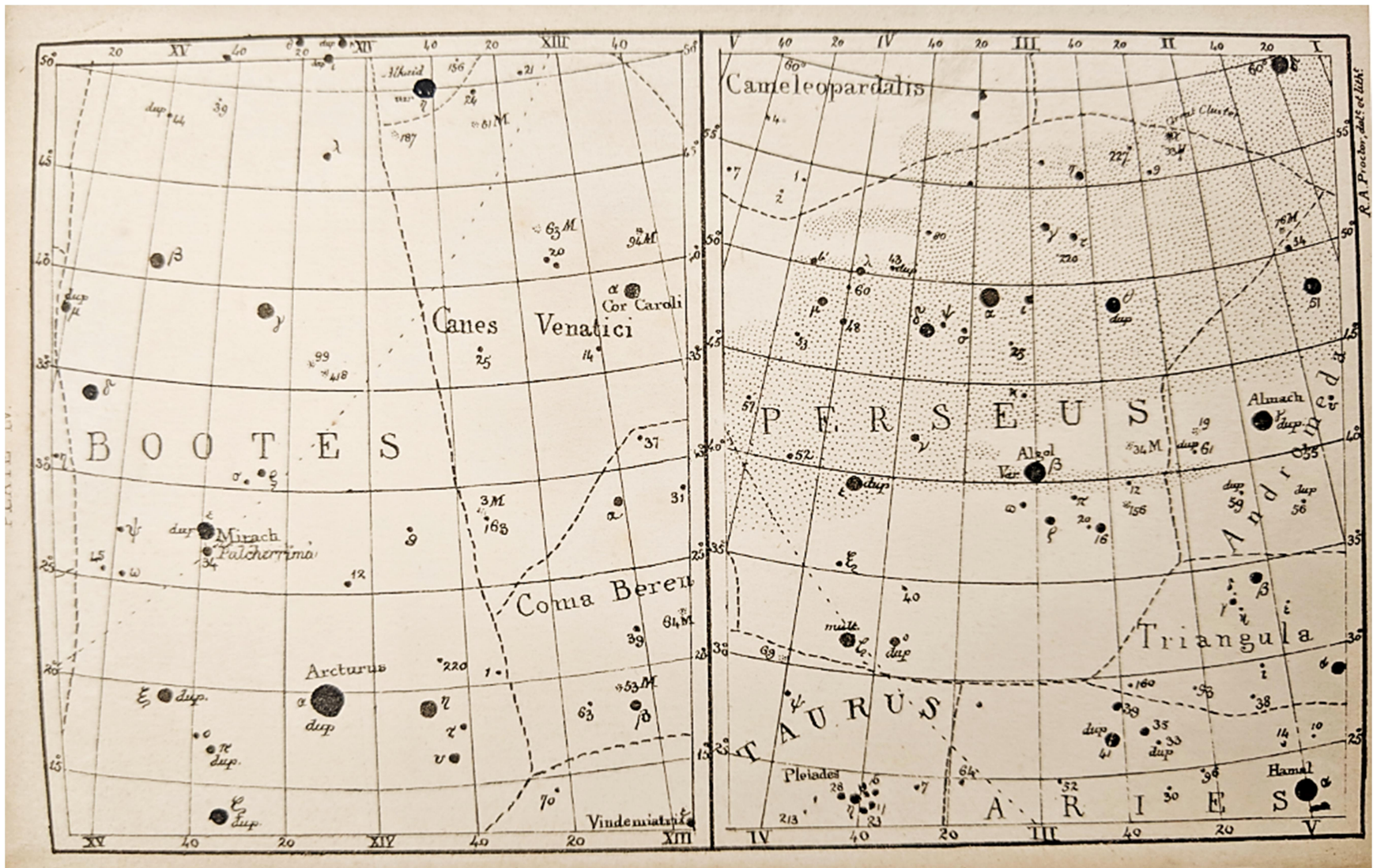


1611
**PROCTOR,
 Richard A.**
 (1837-1888).
*Half-Hours with
 the Stars. A Plain
 and Easy Guide to
 the Knowledge of
 Constellations.
 Showing, in Twelve
 Maps, the Position
 for the United
 States of the
 Principal Star
 Groups Night
 After Night
 Throughout the
 Year, with
 Introduction and a
 Separate*

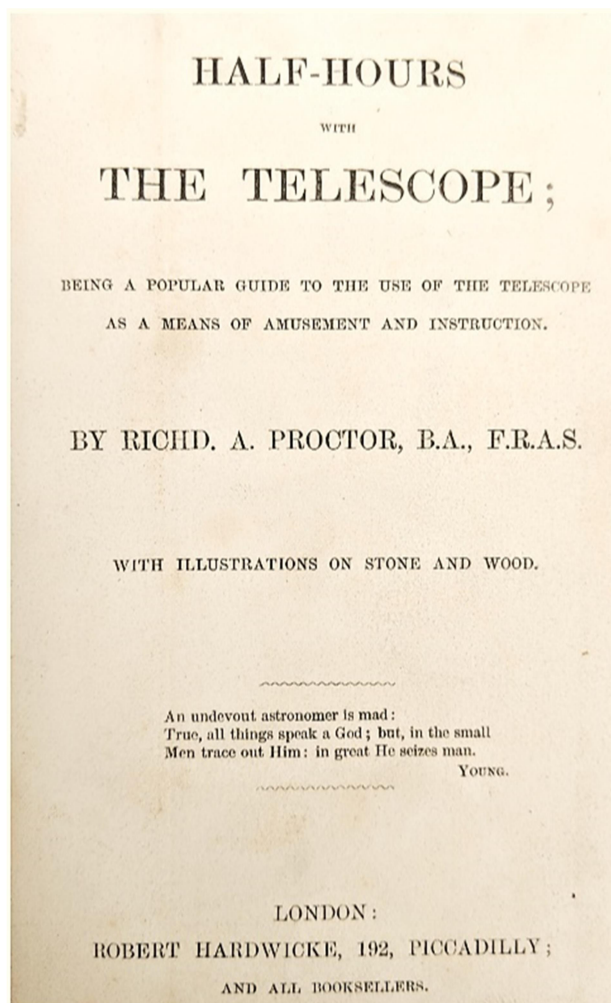
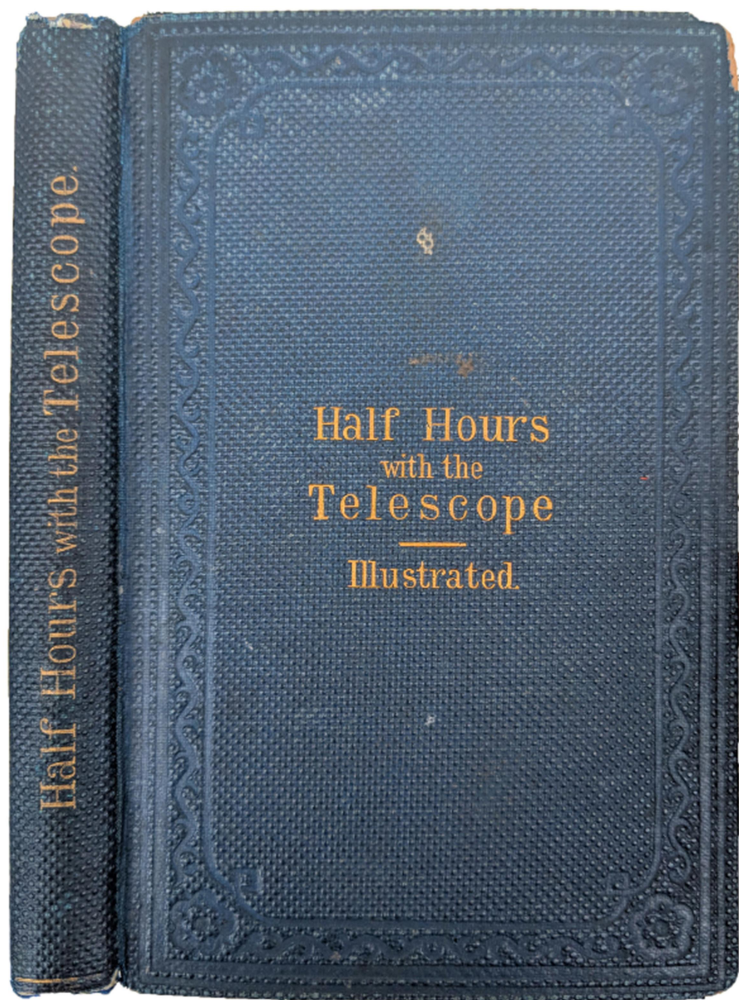
Explanation of Each Map. True for Every Year. Maps and Text Specially Prepared for American Students. New York & London: G. P. Putnam's Sons, 1887. ¶ 4to. [iv], 38, [2] pp. 12 blue-colored star maps. Original quarter brown cloth, pictorial boards [showing the constellations]; edges worn. Rare.

\$ 100

First edition. A spiritual sequel to Proctor's bestselling *Half-Hours with the Telescope*, containing monthly star maps intended for amateur astronomers in the United States.



[1611] PROCTOR



1612 **PROCTOR, Richard A.** (1837-1888). *Half-Hours with the Telescope; Being a Popular Guide to the Use of the Telescope as a Means of Amusement and Instruction.*

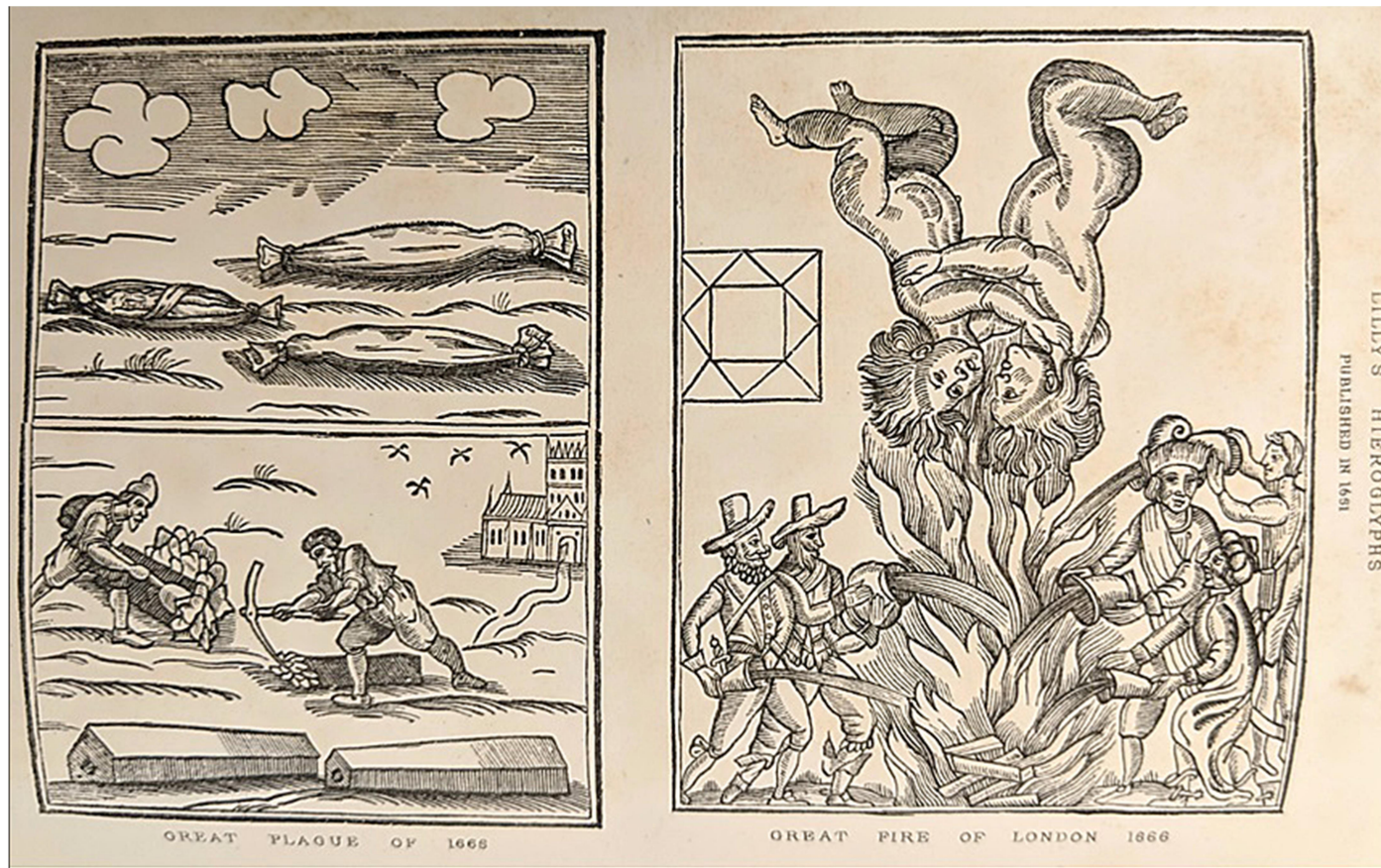
London: Robert Hardwicke, 1868. ¶ Sm. 8vo. viii, 109, [3] pp. 7 lithographic plates (frontis. is a fold-out), 15 figs. Navy blind- and gilt-stamped cloth; corners showing, spine ends chipped.

Ownership signature of Herbert F. Beyfield[?], March 1901. Very good.

\$ 80

First edition. Proctor was an English astronomer and one of

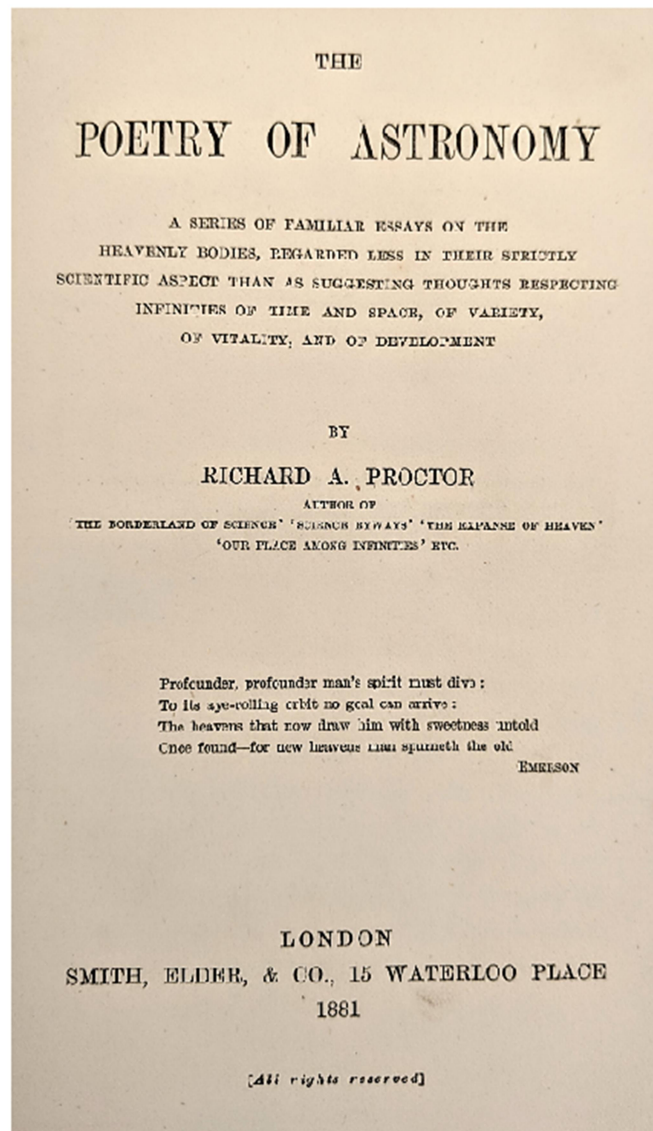
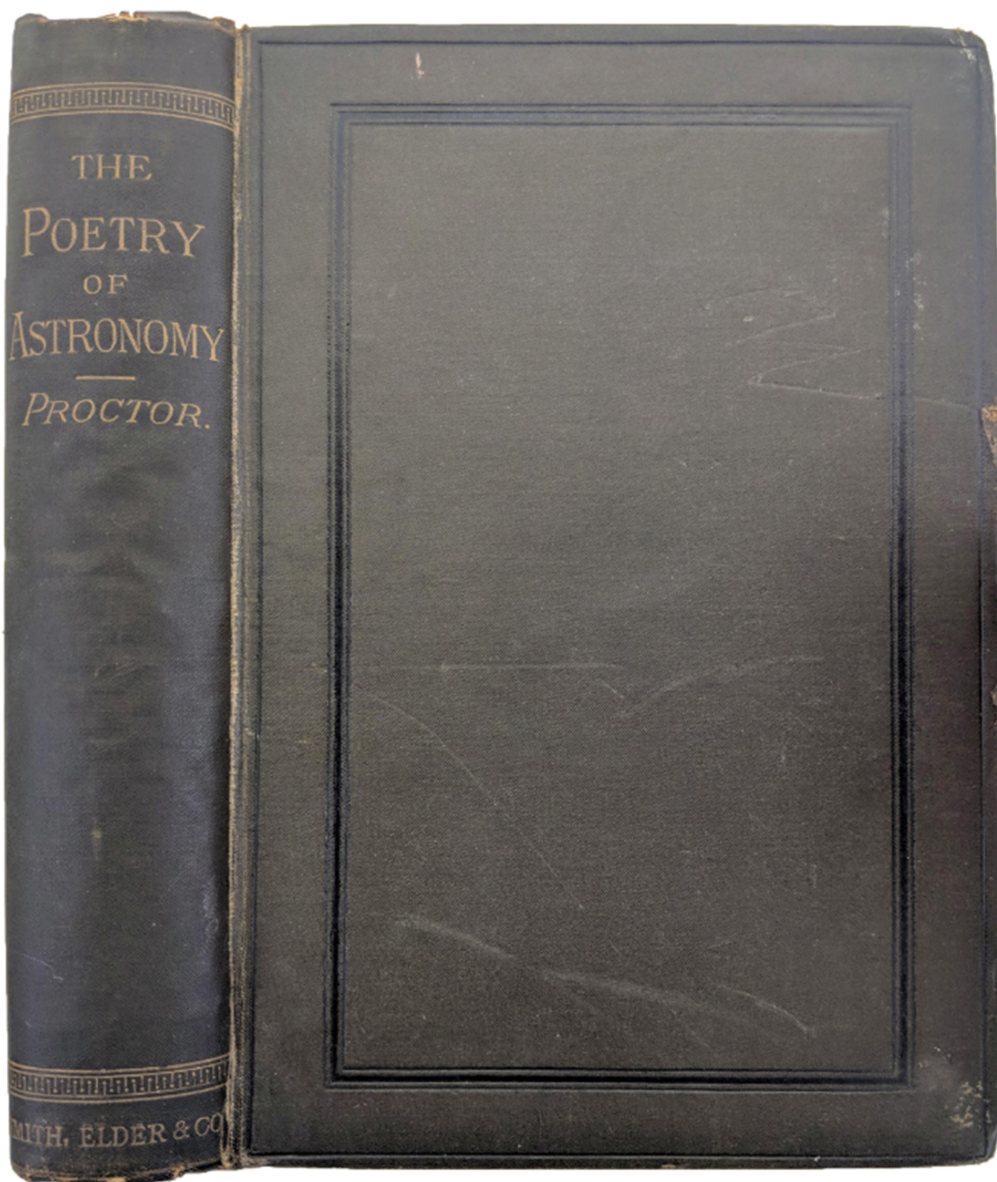
the premier popular science writers of his time. *Half-hours with the Telescope* was one his most popular books and eventually reached a 20th edition. Its 7 chapters each contain a half-hour's worth of instruction on telescope-related subjects, including various constellations, the planets, the moon and sun, and proper telescope care and use.



1613 **PROCTOR, Richard Anthony** (1837-1888). *Myths and Marvels of Astronomy*. London: Chatto & Windus, 1880. ¶
 8vo. vi, [2], 365, [3], 32 pp. Frontis., ads; occasional foxing. Original brown blind-, black-, and gilt-stamped cloth.
 Very good.

\$ 75

New edition. Selected contents: The Religion of the Great Pyramid, Suns in Flames, The Lunar Hoax, On Some Astronomical Paradoxes, Swedenborg's Visions of Other Worlds, The Origin of the Constellation-Figures.

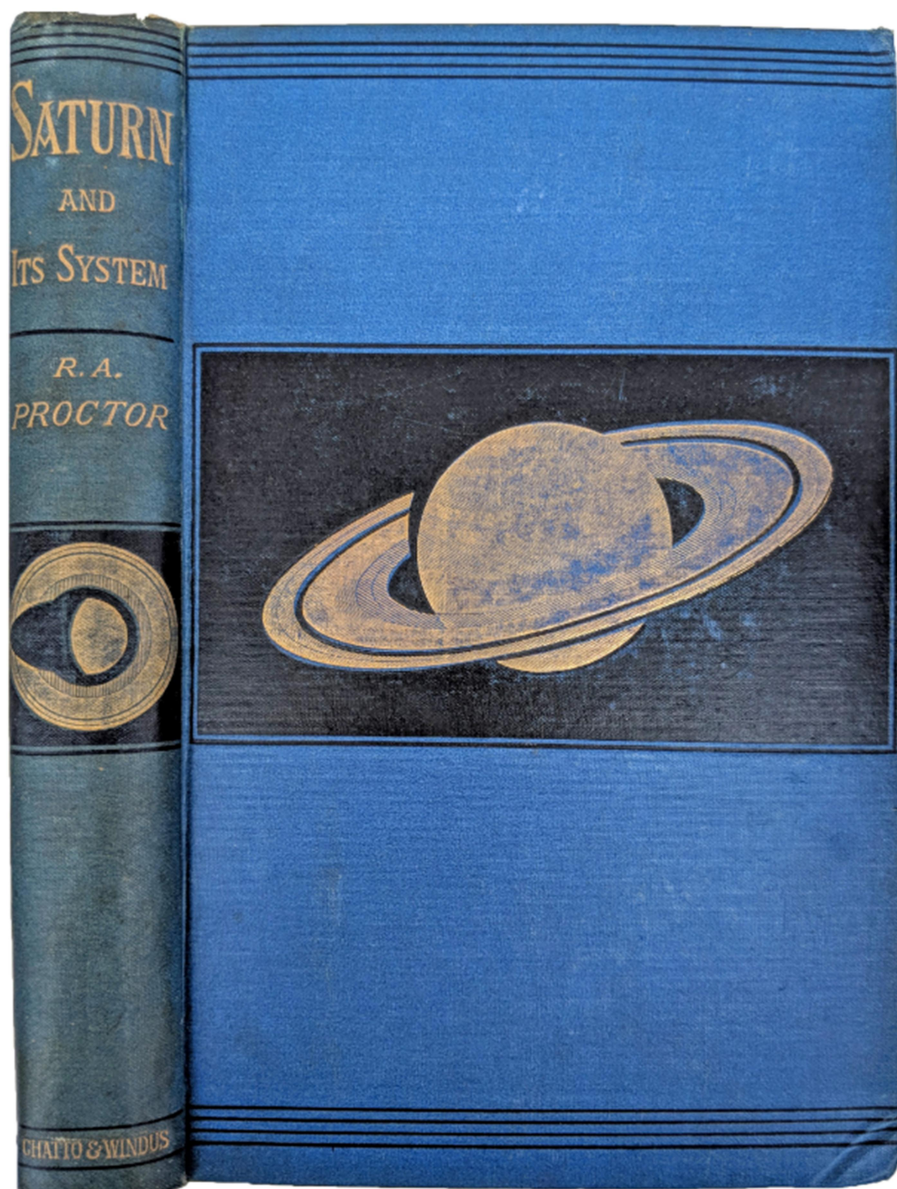


1614 **PROCTOR, Richard Anthony** (1837-1888). *The Poetry of Astronomy. A Series of Familiar Essays on the Heavenly Bodies, Regarded Less in their Strictly Scientific Aspect Than as Suggesting Thoughts Respecting Infinities of Time and Space, of Variety, of Vitality, and of Development.* London: Smith, Elder, 1881.

¶ 8vo. vi, [2], 447, [1] pp. Original olive-green blind- and gilt-stamped black- and gold-printed cloth, black-printed band on upper cover; hinge just starting. Very good.

\$ 47

"Many think that science cannot truly be called science if clothed in poetic garb, and, on the other hand, others seem to fear that a glory must depart from the face of nature if science scrutinise her mysteries too closely. I believe both these fears to be unfounded—that science need not be less exact though poetry underlie its teachings; while, beautiful and glorious though the ordinary aspect of nature may be, a deeper poetry, a more solemn significance, a greater beauty, and a nobler glory can be recognised in the aspect of nature when science lifts the veil which hides it from the unaided vision." –Preface.



1615 **PROCTOR, Richard Anthony** (1837-1888). *Saturn and its System. Containing Discussions of the Motions and Telescopic Appearance of the Planet Saturn, its Satellites and Rings; the Nature of the Rings; and the Habitability of the Planet, to which are Appended, Notes on Chaldaean Astronomy, Laplace's Nebular Theory, and a Series of Tables.* London: Chatto & Windus, 1882. ¶ 8vo. x, [2], 211, [1], 32 pp. Half-title, 13 plates (incl. frontis.), 1 figure, ads. Original black- and gilt-stamped blue cloth; rubbed, corner bumped. Bookplate of Joseph A. Anderer [Chicago, Illinois]. Very good.

\$ 185

Second edition, revised. Selected contents: "Discovery of Saturn—the Simpler Elements of His Orbit", "False Systems—Modern Astronomy—Elements of Saturn's Elliptic Orbit", "Nature of the Rings", "Habitability of the Giant Planets".

PROVENANCE: Joseph A. Anderer, Chicago, Illinois, was a member of the American Association of Variable Star Observers.

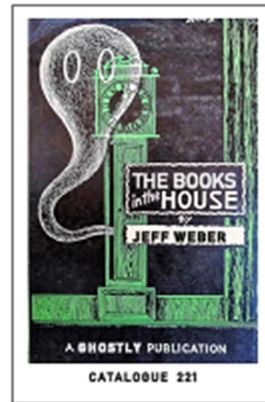
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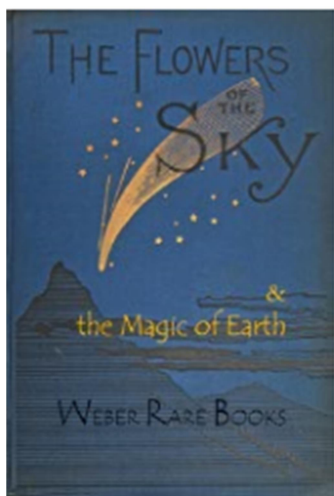
221:

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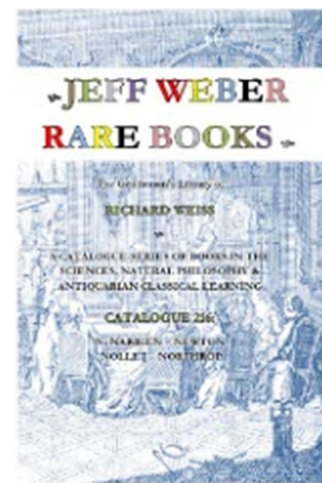
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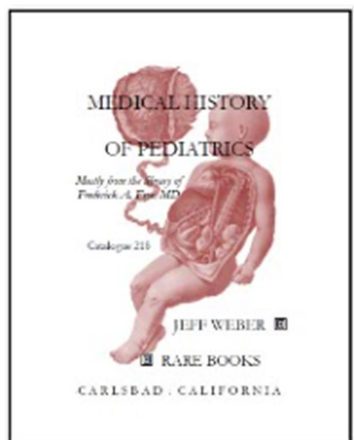
217:

Animisme et Spiritisme; Medical Oddities & Ghosts; The library of Phillip K. Wilson [Part I].



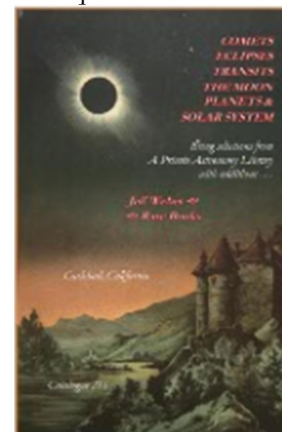
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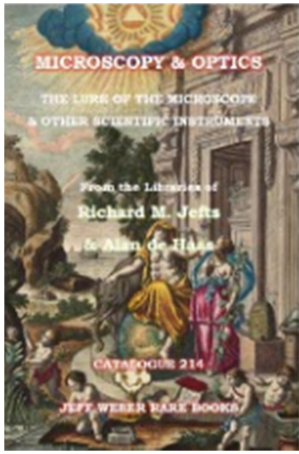
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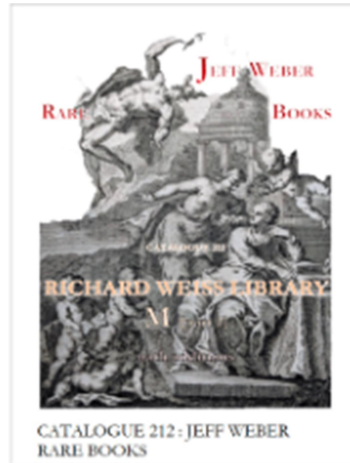
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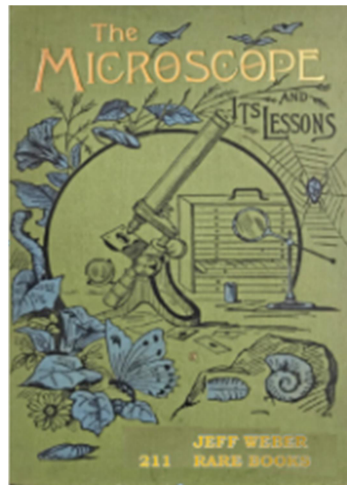
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Richard Weiss Library: L



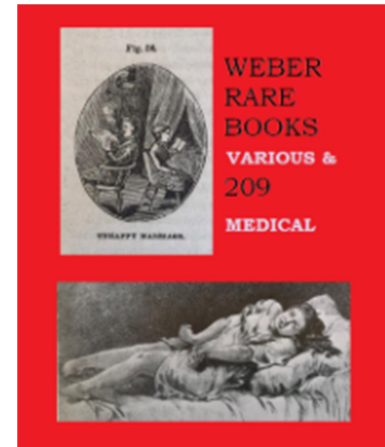
213:

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[Science, Astronomy, Natural History, Physics, Mars, Geology, Life Science]



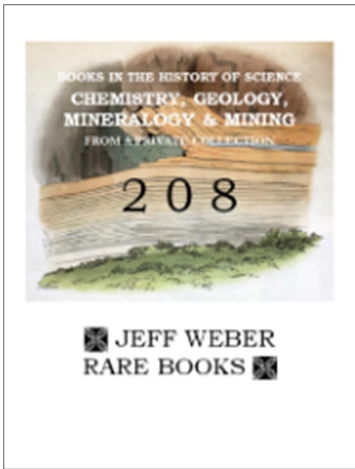
211:

Microscopy & Microscopes



209:

Various & Medical



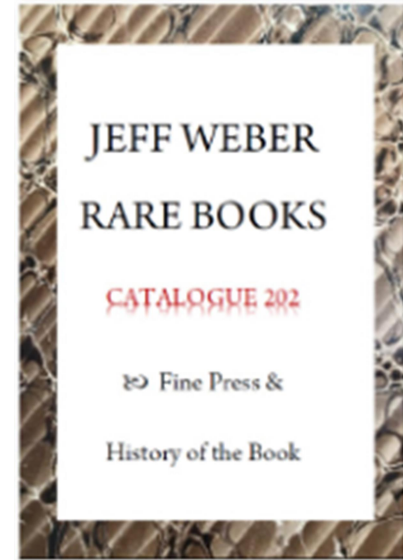
208:

Books in the History of Science:
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Mining, From a Private Collection



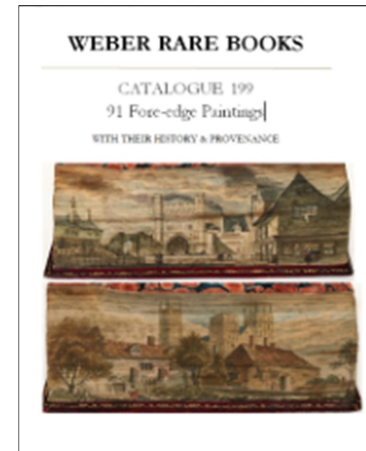
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