

## **Sales catalogue 921: Tregaskis**

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# Caxton Head Catalogue

921st

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Early  
Scientific Books  
Manuscripts  
Autographs

James Tregaskis

Bookseller

at the sign of the Caxton Head  
66, Great Russell St., London,  
W.C.(1)

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Catalogues are available:

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  - 918. A small collection of Books relating to ideas which have influenced civilisation.
  - 919. Autograph Letters and English Literature.
  - 920. Old Books.
-



ASTRONOMY—*continued.*

4 **ALBUMASAR.** DE MAGNIS CONJUNCTIONIBUS: annorum revolutionibus, ac eorum profectionibus: octo continens tractatus. Sm. 4to. A-L8 M6, Gothic letter, woodcuts, some leaves stained, old calf, rebaked. £6 15 0

*Jacobus Pentius de Leucho for Melchior Sessa: Venice, May 31, 1515*

\*. Watt 15 j.

5 **AMICI** (Giov. Batt.) DE MOTIBUS CORPORUM COELESTIUM juxta Principia peripatetica, sine eccentricis (*sic*) et epicyclis. Sm. 4to, woodcut diagrams, some slight stains, half morocco. £3 10 0

*Aug. de Bindonis: Venetiis 1537*

\*. This exceedingly rare work on the movements of the celestial bodies is of considerable importance in the literature of astronomy. It is not in the British Museum, and Riccardi Bib. Math. Ital. I. 30 only mentions it on the authority of Lalande, and is somewhat inclined to doubt its existence. Inserted are letters from Dr. Singer and Dr. Dreyer, of Oxford, referring to the book.

6 **ARAGO** (Dominique François, *Astronomer and Natural Philosopher*, 1786-1853) A.L.s., 1½ pp., 4to, to Madame Victorine de Chatenaix, saying next Thursday will be suitable for moon observation, and hoping that the clouds will not oppose this project. With typewritten transcript. 12/6

*4 May, 1813.*

7 **BAILEY** (Francis, *Astronomer*, 1774-1844) A.L.s., ½-p., 8vo, (third person), arranging a meeting at the City of London Tavern with the President of the London Institution. 5/-

*April 25th*

8 **BALDE** (Jacobus) DE ECLIPSI SOLARI anno MDCLIV, die XII. Augusti, in Europa, a pluribus spectata tubo optico: nunc iterum à Jacobo Balde, è Societate Jesu, tubo satyrico perlustrata libri due. 16mo (130 by 76 mm.), first edition, satirical engraved title-page and two other plates and facetious errata leaf at end. Contemporary vellum over thin wooden boards, with clasps and catches, with the Mexborough bookplate. £3 15 0

*Lucas Straub for Johann Wagner: Munich 1662*

\*. Watt, Bib. Britannica, 65r, pp. 11-127. Dialogus inter Alphonsum Persium Pernumiam mathematicum, et Didacum Cyrisatum Poëtam, disputantes de eclipsi anni 1654, deque siderum in haec inferiora influxu: pp. 128-216. De Eclipsi Solaris Anni MDCLIV. Liber II. exhibens ipsum poema: pp. 218-220. Periochae, Pars. II. Antecedentia eclipsin (omens and portents), etc.

9 **BEYER** (Hartmann) QUAESTIONES NOVAE IN LIBELLUM DE SPHAERA Joannis de Sacro Busto. 12mo, pictorial woodcut initials and diagrams, Italic letter, errata leaf at end, printer's device on title and last leaf, red roan roxburghe. £4 0 0

*Petrus Brubachius: Frankfurt: 1549*

\*. An exceedingly rare edition, the earliest known to Poggendorff, *Handwörterbuch z. Gesch. d. exacten Wissenschaften*, being that of 1579, the earliest in the Bibliothèque Nationale Catalogue being that of 1551. There is no edition in Zeitlinger, Bibliotheca Chemico-Mathematica, and apparently no edition in Houzeau and Lancaster, the only copy which we have been able to trace of this edition is in the British Museum (Press Mark 533. a.2).

ASTRONOMY—*continued.*

10 **CAESIUS** (Georgius) **CATALOGUS**, nunquam antea visus, omnium Cometarum secundum Seriem Annorum a Diluvio conscriptorum, usque ad hunc praesentem post Christi Nativitatem 1579 annum, cum portentis seu eventuum Annotationibus, et de Cometarum in singulis Zodiaci Signis, Effectibus: ex quibus prodens lector posthac facillime de quovis Cometa judicare poterit, etc. 12mo, **first edition**, Italic letter, ornamental woodcut initials, contemporary blind stamped calf over wooden boards (dated on front cover 1579), three-line fillet borders enclosing inner borders of floral design, within the borders two-line fillet panels with small inner and outer corner ornaments, large diamond-shaped centre ornaments or floral design, back with raised bands and each compartment containing a small cinquefoil ornament, slightly repaired. **£7 10 0**

*Valentinus Furmannus: Nuremberg 1579*

\*. An exceedingly rare book. Not in the Royal Astronomical Society Catalogue, Poggendorff, *Handwörterbuch z. Gesch. d. exacten Wissenschaften*, Allgemeine Deutsche Biographie, Bibliothèque Nationale Catalogue, or Zeitlinger, *Bibliotheca Chemico-Mathematica*, nor does it appear to be in Houzeau and Lancaster, *Bibliographie Astronomique*. The only copy which we have been able to trace being in the British Museum (Press Mark 8560, aa. 32). This is possibly the earliest printed catalogue of comets known; in any case, it is considerably earlier than any in the list given by Houzeau and Lancaster.

11 **CLAVIUS** (Christophorus) **IN SPHAERAM JOANNIS DE SACRO BOSCO** commentarius, nunc iterum ab ipso auctore recognitus, et multis ac variis locis locupletatus. Sm. 4to, 16 ll., 468 pp., numerous diagrams, old citron morocco, gilt three-line borders on sides, gold monogram repeated six times on back, arms in gold on sides. **£5 10 0**

*Dominicus Basa (at end: Franciscus Zanettus) Rome 1581*

\*. Houzeau and Lancaster 2678.

12 **CLAVIUS** (Christophorus) **FABRICA ET USUS INSTRUMENTI** ad HOROLOGIORUM descriptionem peropportuni. Accessit ratio describendarum horarum a meridie et media nocte exquisitissima, et **NUNQUAM ANTEHAC IN LUCEM EDITA**. Sm. 4to, 2 ll., 151 pp., diagrams, contemporary vellum. **£2 10 0**

Title: *Bartholomaeus Grassius: Rome, 1586.*

At end: *Jacobus Ruffinellus: Rome. N.D.*

13 **DELAMBRE** (Jean Baptiste Joseph, *Astronomer and Author, 1749-1822*) **A.L.S.**,  $2\frac{1}{4}$  pp., closely written, sending in an account of expenses and asking for fresh funds in order to carry out his observations at Evaux. "Si l'on ne venoit bientôt à notre secours je me retrouverois ici dans la même situation qu' à Dunkerque"; goes on to give a detailed account of his observations, and is full of praise for Méchain. With typewritten transcript. **£2 0 0** *Evaux, le 27 Frimaire l'an 5. 17 December, 1796*

\*. It was Méchain and Delambre who were employed to measure the arc of the meridian from Dunkirk to Barcelona between the years 1792-99.

ASTRONOMY—*continued.*

14 **DELAMBRE** (Jean Baptiste Joseph, *Astronomer and Author*, 1749-1822) **A.L.s.**, 1 p., folio, with fine vignette heading, to Marshal Berthier, regarding the detention at Fontainebleau of Edward Pigott, a member of the Royal Society, which is prejudicial to his health and the safety of his collection of plants and astronomical instruments. With typewritten transcript. 12/6 Paris, 29 May, 1805

15 **ENCKE** (Johann Franz, *German Astronomer*, Determined the period of the remarkable comet which bears his name, 1791-1865) **A.L.s.**, 2 pp., 4to, respecting a work on Logarithms. £1 1 0 Berlin, 20 January, 1847

16 **FERGUSON** (J.) **A PLAIN METHOD OF DETERMINING** the parallax of Venus, by her transit over the Sun, and from thence, by analogy the parallax and distance of the Sun, and of all the rest of the planets. Sm. 4to, folding plates, wrapper. £1 10 0 For the Author: London 1761

### Queen Anne's Copy.

17 **FLAMSTEED** (John) **HISTORIAE COELESTIS LIBRI DUO**, quorum prior exhibet Catalogum Stellarum Fixarum Britannicum novum & locupletissimum, una cum earundem Planetarumque omnium Observationibus Sextante Micrometro, etc., habitis. Posterior Transitus Syderum per Planum Arcus Meridionalis et Distantias eorum a Vertice complectitur. . . . Continuata Serie ab anno 1676 ad annum 1705 completum. Folio, **first [surreptitious] edition**, frontispiece by Vertue, containing portrait, numerous vignettes by Du Guernier, contemporary crimson morocco, elaborate panels on sides, back gilt-tooled, gilt edges and insides of boards, and the **Royal Arms (Queen Anne) in gold** on each cover, g.e. (rebacked). **FINE COPY.** £15 0 0 J. Matthews: London 1712

\*. An exact replica of this binding is preserved at Windsor Castle, and is facsimiled by Holmes. *Bindings at Windsor Castle*, plate 50. Allibone I. 601. D.N.B. vii. 246. With the leaf of errata at end. According to Allibone this is in some respects preferable to the authorized edition. It was published by Halley without the author's knowledge. The D.N.B. states that it is very scarce, and quotes an inscription in the Bodleian copy to the effect that it was one of the few which escaped destruction at Flamsteed's hands. The same copy contains a letter from Mrs. Flamsteed, after the death of her husband, requesting that it should be withdrawn from the library.

18 **FLORAVANTI** (F.) **L'ABITATORE DEL SOLE**, ovvero Discorsi Fisici, e Morali fatti ad un Curioso, in due Colloqui, ne'quali so provi, le Stelle essere alcune Soli, ed altre Terre, abitate da differenti Creature: e nel descrivere la loro vita, e costumi, so presenta un modello all'Uomo, Come doveria vivere, per divenire felice. 8vo, contemporary English red morocco, broad dentelle borders of thistles and acorns, large centre ornament with leafy scrolls in top and bottom spaces, gold-tooled back and edges of boards, inside gold dentelles, marbled end paper. £3 5 0

J. Chrichley: London 1743

ASTRONOMY—*continued.*

19 [FOKKENS (Johann)] ΠΑΝΣΕΛΗΝΟΣ ΕΚΛΕΙΠΤΙΚΗ ΔΙΑΥ-  
ΓΑΣΟΥΣΑ: id est dissertatio astronomica quae, occasione ultimi lunaris  
anni 1638 deliquii, manuctio sit ad cognoscendum: I. Statum Astronomiae,  
praesertim Lansbergianae; II. Novorum phenomenwn exortum et interit-  
tum. Autore Joanne Phocylide Holwarda. 16mo, 12 ll., 288 pp., diagrams,  
old calf, with the Arms of François Auguste De Thou (eldest son of Auguste  
de Thou) and monogram "A.G." (Auguste and Gasparde De Thou) on  
back (four times), with the book label of J. W. Six. £6 15 0

*Idzardus Albertus for himself and Joannes Fabianus Theuring:*  
*Franekerae, 1640 (1649)*

\*. Not in Brunet, Watt, British Museum, Zeitlinger, *Bibliotheca Chemico-Mathe-  
matica*, Poggendorff, *Biographisch-Literarisches Handwörterbuch zur Geschichte der  
exacten Wissenschaften*, Houzeau and Lancaster, *Bibliographie générale de l'astro-  
nomie*, Bibliothèque Nationale Catalogue, Royal Astronomical Society Catalogue,  
Ebert, Graesse, Georgi, Zedler, *Nouvelle Biographie Générale*, or *Biographie Uni-  
verselle*.

20 FRISI (Paolo) ELOGIO DEL GALILEO. 8vo, contemporary  
vellum. £1 0 0 *Federico Agnelli: Milan 1775*

\*. Not in the British Museum or Bibliothèque Nationale Catalogue.

21 GLAISHER (James, *Astronomer and Meteorologist 1809-1903*).  
A.L.s., 3 pp., 8vo, to E. W. Cooke, accepting an invitation. 4/-  
*Blackheath: 25 Sept., 1875*

22 GEMMA (Reinier, *Frisius, 1508-1555*) DE PRINCIPIIS AS-  
TRONOMIAE & COSMOGRAPHIAE, Déq. vsu Globi ab eodem editi.  
Item de Orbis diuisione, & Insulis, rebusq. nuper inuentis. 12mo, Italic  
letter, woodcut of globe on title, woodcut initials, full-page woodcut at p. 12,  
mathematical diagrams, Steelsius's device at end, original limp vellum, with  
end papers consisting of fragments from a fourteen century French  
chronicle. £6 5 0

*Joannes Graphaeus for Joannes Steelsius: Antwerp 1553*

\*. 231 pp. The edition of 1557 is the earliest known of Watt. *Bib. Nat. Cata-  
logue*, lviii., 979. Not in *Bibliotheca Chemico-Mathematica*. Reference to America  
at p. 21, chapter 20, "De insulis nuper inventis." Chapter 30, "De America." At  
the end there is a catalogue of fixed stars giving a magnitude, right ascension, and  
declination.

23 HARDY (Samuel) THE THEORY OF THE MOON MADE  
PERFECT: so far at least as to determine the Longitude both at Sea and  
Land, within the Limits required by Act of Parliament. To which is added  
An Account of the Use which may be made of Comets. 8vo, unbound and  
uncut. £1 0 0 *For M. Cooper: London [about 1751]*

\*. Not in Poggendorff, Zeitlinger, Houzeau and Lancaster (*Astronomie Nau-  
tique*) or the British Museum.

24 HERSCHEL (Sir William, *Astronomer, 1738-1822*) A.L.s., 1 p.,  
4to, with seal, to Tiberius Cavallo, natural philosopher, regarding the  
despatch of a telescope to France. 8/6 [29 March, 1789]



ASTRONOMY—*continued*.

25 **HEVELIUS** (Joh.) **SELENOGRAPHIA: Sive, Lunae descriptio.** Folio, engraved title and many engraved plates, portrait of author wanting, late 17th century English red morocco, border formed by broad dentelle lines intersecting at corners decorated with elaborate arabesque ornaments, the centre panel filled with interlacing floriate scrolls, dots, stars, etc., gold-tooled back and edges of boards, g.e., book label "The Gift of Mr. Thomas Heatley, Citizen and Iron-Monger of London, to the Mathematical School in Christ's-Hospital. Anno Dom. 1700." A MAGNIFICENT BINDING OF VERY DELICATE DESIGN. **£30 0 0** *Typis Hünefeldianis: Gedani [Dantzig] 1647*

\*. J. Hevelius, 1611-1687, a famous astronomer and native of Dantzig. The first important book on the Moon, including over 100 engraved plates covering every aspect of the satellite.

26 **HUGGINS** (Sir William, *Astronomer, 1824-1910*) **A.L.s., 2 pp.,** 8vo, to E. W. Cooke inviting him to a soirée. **5/-**  
90, Upper Tulse Hill, S.W., 2 May, 1902

27 **HUYGENS** (Christianus) **COSMOTHEOROS, or conjectures concerning the Planetary Worlds, and their inhabitants.** Sm. 8vo, three folding plates, half blue roan, t.e.g., others **UNCUT**, and some unopened. **£1 15 0**  
*R. and A. Foulis: Glasgow 1757*

\*. A charmingly printed edition of the English translation.

28 **HUYGENS** (Christianus) **COSMOTHEOROS, sive De Terris Coelestibus, earumque ornatu, conjecturae ad Constantinum Hugenum Fratrem. Gulielmo III, Magna Britanniae Regi, a secretis.** 4to, SEVERAL ENGRAVED FOLDING PLATES showing the movements of the Solar system, calf roxburghe. **£1 0 0**  
*Adrian Moetjens: Hague 1699*

\*. Not in Brunet. Huygens was a famous Dutch astronomer and geometer, and friend of Newton, who called him "Summus Hugenius." The above posthumous work was dedicated to this elder brother, who, it will be seen by the title, was secretary to William III. of England. "Un dernier ouvrage de lui, fort singulier. . . ." —Maurice.

29 **HYGINUS. POETICON ASTRONOMICON.** 4to, large woodcut on title and numerous cuts in text, printer's device of cat and mouse at end, modern brown levant morocco, plain inside gold dentelles, t.e.g. **£6 10 0**  
*Melchior Sessa: Venetiis, 15 Sept., 1512*

\*. This edition is exceedingly rare, as the Prince d'Essling is only able to quote the copy in Berlin (I. 289).

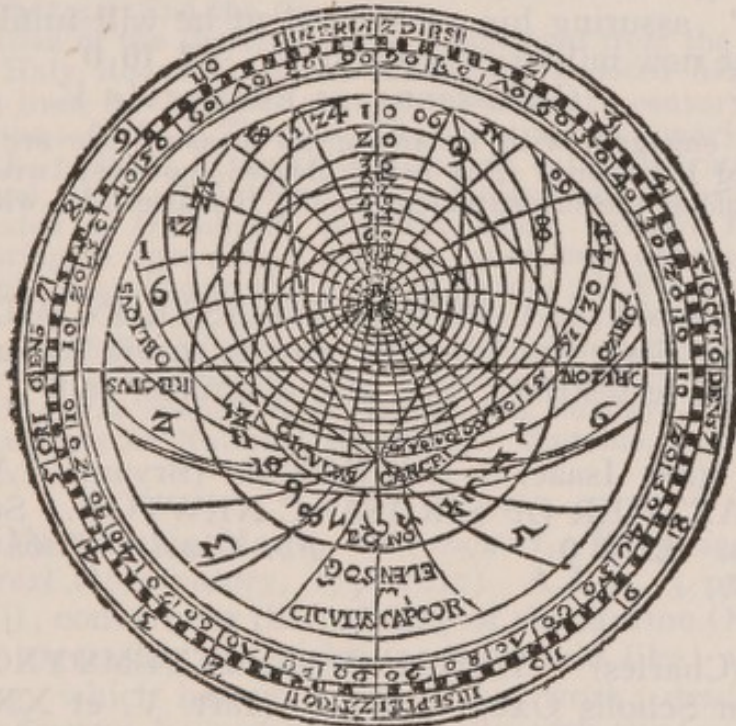
30 **KOEBEL** (Jacob) **ASTROLABII DECLARATIO, ejusdemque usus mire jucundus, non modo astrologis, medicis, geographis, caeterisque literarum cultoribus multum utilis ac necessarius: verum etiam mechanicis quibusdam opificibus non parum commodus. Cui accessit isagogicon in astrologiam judiciariam.**—12mo, a-c8 d7, woodcuts, green roan roxburghe, with the bookplates of G. van Havre and J. W. Six. **£14 0 0**

*Gulielmus Richardus: Paris 1545*

\*. Not in Brunet, Watt, or the British Museum.

SEE FACSIMILE ON OPPOSITE PAGE.

¶ *Ecce figuram pro Elevatione  
50 graduum.*



¶ *Quarta pars est Voluellum continens Zodiacū  
duodecim signorum, cum suis gradibus, & nume-  
ris de decem in decem, necnon stellas fixas notabi-  
liorēs, astrorū iudicibus apprime necessarias, quod  
Arabice Alencabuth, Latine vero Aranea, vel  
Rete dicitur. Cuius extremitas conuexa dicitur esse  
Via solis seu Ecliptica. Et circa initiū in eodē Zo-  
diaco est relictus quidam denticulus, qui Arabice  
Almuri dicitur, Latine vero Ostensor, quia ipse est*

ASTRONOMY—*continued*.

31 **MECHAIN** (Pierre François André, *Eminent Astronomer*, 1744-1805) **A.L.S.**, 1½ pp., 4to, to Citoyen Calon, Général du Brigade, Directeur du Dépôt, Général de la Guerre et de la Geographie, saying he will send the statement of expenses incurred on his last expedition; he describes his next observations azinentales (when the required instruments have arrived) which he is about to make to determine the direction of the meridian. . . . "et dès que le temps sera devenu favorable nous reprendront la mesure des triangles . . ." assuring his correspondent he will fulfil his part faithfully; speaks of the new military regulations. **£2 10 0**

*Carcassonne, 23 Ventose An V. 12 March, 1797*

\*. Mechain was engaged, with Delambre, to measure the arc of the Meridian between Dunkirk and Barcelona. Not being pleased, however, with his results, he was preparing to prolong the measurement to the Balearic Isles when he was taken ill and died.

32 **MOXON** (Joseph) **A TUTOR TO ASTRONOMIE AND GEOGRAPHIE.** Or an Easie and Speedie way to know the use of both the Globes, celestial and terrestrial. Sm. 4to, diagrams, calf. **£2 2 0** 1670

33 **NEWTON** (Sir Isaac) **ROBINSON** (Bryan) **A DISSERTATION ON THE AETHER OF SIR ISAAC NEWTON.** Sm. 8vo, folding plate, cobb boards. **£2 0 0** *For Charles Hitch: London 1747*

\*. Gray No. 227.

34 **POTTER** (Charles) ΠΥΘΑΓΟΡΑΣ ΜΕΤΕΜΨΥΧΟΣ, sive theses quadragesimales in Scholis Oxonii publicis Mart. V. et XXVI. pro forma discussae, A.D., MDCXLIX/L, in quibus ad mentem imprimis Pythagoraeorum asseritur quod, Coeli sint fluide; terra moveatur; terra centrum universi non sit; luna sit habitabilis; radius luminosus sit corporeus; sol sit flamma. 16mo, **first edition**, 3 ll., 137 pp., 8 ll., wrapper. **£2 0 0**

*H. H. for R. Davis: Oxford 1651*

35 **PTOLOMAEUS** (Claudius) **OPUS QUADRIPARTITUM.** Sm. 4to, a-g8, h 12, **Gothic letter**, headline in red, two diagrams, numerous floriated woodcut initial letters of various sizes, 42/43 lines, 2 columns, without catchwords, headlines or page numerals, wormed, old boards, with the bookplate of Sir William Molesworth. **£45 0 0**

*Erhard Ratdolt, alone: Venice, January 15, 1484 [N.S. 1485]*

\*. Hain-Copinger \* 13543, Proctor 4394. Not in Caillet: *Bibliographie des Sciences Occultes*. First Edition.

On the reverse of the last leaf is printed (sideways), in red in some copies, including the present: "Decretalium super quixque libris: sexto et Clementinis breves casus sive summarii: secundum mentem Nicolai Siculi. . ." It has been suggested that this is a very early example of an announcement of a new edition of a book: (William Hermann Auction Catalogue, No. 479\*). Unfortunately the evidence points to another explanation, *viz.*, that Ratdolt had come into possession of some sheets which had previously been used for an edition which had gone no further than the headings in red on the first page: if it had been an announcement the text would have been printed upright, and the type is not one of Ratdolt's Venetian founts (British Museum General Catalogue, "P." vol. 93, p. 222). Mr. Gilbert R. Redgrave makes no mention of this issue (Erhard Ratdolt and his work at Venice, p. 38, No. 40).

ASTRONOMY—*continued.*

PTOLOMAEUS (C.)—*continued.*

This copy is taller than either of the British Museum copies: it measures 224 millimetres, whereas the taller of the two Museum copies (I.A. 20516) measures 214 millimetres. (British Museum: Catalogue of Incunabula, vol. v., p. 288).

In the present copy, sig. h11a, col. 2, lines 37 and 38, the "is" of "debilis" and the "er" of "similiter" have dropped; this is not the case in the Museum copies.

Claudius Ptolomaeus (fl. about 140 A.D.). Of his personal history nothing is known. The most celebrated astronomer of antiquity. He wrote the *Syntaxis astronomie* (or *Almagest*) and the *Geography*.

The first edition of the *Quadripartitum*, translated from the Arabic, and with the commentary of Haly Rodoân (Alî ibn Rôdhwan), a noted Arabian physician, born near Cairo, who lived in the early part of the eleventh century. (Brunet, vol. IV., col. 948); Hermann: 479\*; J. Thomas: The universal dictionary of biography, vol. I., p. 81, and vol. II., p. 1847; F. Leigh Gardner: A catalogue raisonné of books on the occult sciences, vol. II., p. 125). Sir William Molesworth, eighth baronet (1810-1885); politician; educated at Offenbach, near Frankfurt, entered Trinity College, Cambridge, but, offering to fight a duel with his tutor, was expelled, finished his education at Edinburgh; travelled in the south of Europe; M.P., East Cornwall, 1832 and 1835; started *London Review*, 1835; supported all measures for Colonial self-government; M.P., Leeds, 1837; Southwark, 1845; first commissioner of the board of works in Lord Aberdeen's government, 1853; colonial secretary in Lord Palmerston's government, 1855; first opened Kew Gardens on Sunday; edited Hobbes's Works, 1839-1845. (Dictionary of National Biography: Epitome, p. 884).

36 **ROCHON** (Alexis Marie, *Astronomer, Physician, and Navigator, Director of Brest Observatory, 1741-1817*) **A.L.s.**, 3 pp., 4to (vignette of ship in full sail), concerning the building of the Marine Observatory at Brest, which is not progressing as quickly as he would like; speaks of his inconvenient lodging, which hampers him in his work; describes his work and plans. Of the former, he is occupied chiefly with the marine telescopes, etc., etc. With typewritten transcript. **£3 0 0**

*Brest, le 14 Pluviôse An V. 2 February, 1797*

\*. This pet project of Rochon's, for which he said he would sacrifice his membership of the Bureau de longitude and the Institut national he did not see completed until many years after the above date.

37 **S[MITH]** (J.) **HOROLOGICAL DIALOGUES.** In Three Parts shewing The Nature, Use, and right Managing of Clocks and Watches: with an Appendix Containing Mr. Oughtred's Method of Calculating of Numbers. The Whole being a work very necessary for all that make use of these kind of Movements. Sm. 8vo, **first edition**, original sheep. **£2 10 0**

*Jonathan Edwin: London 1675*

38 **SMYTH** (Charles Piazzzi, *Astronomer, 1819-1900*) **A.L.s.**, 3 pp., 8vo, to Lovell A. Reeve, conchologist, discussing the colour of the cloth for a book "to please the Russian taste for the beautiful." "Red and beautiful are synomonous terms with them both—men and women." He then gives a verse showing this. **12/6**

*Royal Observatory, Edinburgh: Nov. 15, 1861*

\*. The allusion to Russia was no doubt in reference to his book on the Russian observatories, entitled "Three Cities in Russia," published in 1862.

ASTRONOMY—*continued.*

39 **WARD** (Seth, *Bishop of Salisbury*, 1617-1689) **ASTRONOMIAE GEOMETRICA**: ubi Methodus proponitur qua Primariorum Planetarum Astronomia, sive Elliptica, sive Circularis, possit geometricè absolvi. Sm. 8vo, title in red and black, numerous diagrams, old calf. £2 15 0

*James Flesher: London 1656*

\*. D.N.B., xx., 794a. This book sets out Bishop Ward's theory of planetary motion, which is briefly this: That the radius vector of any planet moves round the superior focus of its orbit with a fixed angular velocity. This is nearly true for orbits of small eccentricity. Ward's theory was the last which found general acceptance, before the final establishment of Kepler's Second Law of Uniform Description of *Aréas*. Watt 949.w.

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**CHEMISTRY.**

40 **ACCUM** (Friedrich Christian A.) **A PRACTICAL TREATISE ON GAS-LIGHTING**: exhibiting a summary description of the Apparatus and Machinery best calculated for illuminating Streets, Houses, and Manufactories with Carburetted Hydrogen, or Coal-Gas. 8vo, **first edition**, seven coloured plates (two folding) of apparatus, ornamental gas-brackets, etc., original boards, with label, uncut, **FINE COPY**. £6 5 0

*G. Hayden for R. Ackermann [etc.]: London 1815*

\*. **THE EARLIEST PRACTICAL TREATISE ON THE SUBJECT**, to the publication of which was largely due the prompt adoption of this mode of lighting in London and other large cities. D.N.B., 1, p. 57. Cripps. *The Earliest Works on Gas-Lighting*, p. 11.

41 **AGRIPPA** (Henricus Cornelius) **HENRICI CORNELII AGRIPPÆ AB NETTESHEYM a consiliis et archivis inditiarii sacrae Caesaræ Majestatis: De occulta philosophia libri tres.** Henricus Cornelius Agrippa [Portrait] Nihil est opertum quod non reveletur, et occultum quod non sciatur. Matthæi X. Cum gratia et privilegio Cesareæ Majestatis ad triennium. Folio (11 $\frac{1}{8}$  by 7 $\frac{3}{4}$  in.), 6 ll., 362 pp. (aa, a-q, 6, r<sub>s</sub>, s-z, A-G, 6) G6, a blank leaf, numerous woodcuts and diagrams, green morocco. £5 10 0

*[Johann Soter: Cologne], July, 1533*

\*. Caillet, 14. A queer mixture of science and superstition: chapters on poisons, hypnotism (de fascinatione), music, etc.

42 **AUGURELLO** (Giovanni Aurelio) **CHRYSOPOEIAE LIBRI III. et Geronticon Liber primus.** Sm. 4to, fine renaissance border round title, fine historiated woodcut initials, large printer's device at end, half sheep. £3 5 0

*Johann Froben: Basle, August, 1518*

\*. Brunet I. 556, Watt 55e, 112 pp. A poem on the "art" of transmuting base metal into gold.

43 **BERTHOLLET** (Comte Claude Louis, *Eminent Chemical Philosopher*, 1748-1822) **A.L.s.**,  $\frac{1}{2}$ -p. folio, to "Monsieur Le Duc," concerning the resistance of platinum to sea-water, which must for this purpose, he states, not come in contact with other metal. With typewritten transcript. £1 2 0

*30 July, 1813*

\*. With a note by Lord Crawford "from the collection of M. M.E.G. de Refuge. No. 641.

CHEMISTRY—*continued.*

44 **BIRINGUCCIO** (Vanoccio or Vannuccio) **DE LA PIROTECHNIA.** Libri x dove ampiamente si tratta non solo di ogni sorte & diuersita di Miniere, ma anchora quanto si ricerca intorno à la prattica di quelle cose di quel che si appartiene a l'arte de la fusione ouer gitto de metalli come d'ogni altra cosa simile a questa. 4to, **first edition**, title within woodcut border of metallurgical instruments, etc., publisher's arms on reverse, and a very great number of woodcuts of blacksmiths' furnaces, bells, potter at work, artillery in action, plan of an explosive mine, etc.; blue straight-grain morocco, gilt borders on sides, gilt backs, g.e. **£6 0 0**

*Venturino Roffinello for Curtio Navo: Venice 1540*

\*. Brunet (i, 954) states that this edition is "La première et la plus belle." Furguson in "Books of Secrets" (Bib. Soc. Trans. xii. 169): "This is a comprehensive treatise upon all the arts in which fire, or, as we should now say, high temperature metallurgy, the distillation of sulphur, the struction of furnaces, the manufacture of glass, crucibles and other vessels and apparatus, assaying, casting of cannon, preparation of gunpowder, alloys metal working, wire-drawing and similar arts. . . . **ALTOGETHER IT IS A BOOK OF IMPORTANCE FOR THE HISTORY OF METALLURGY AND CHEMISTRY.**"

45 **DORVEAUX** (Dr. Paul) **CATALOGUE DES 'THESES DE PHARMACIE SOUTENUES EN PROVINCE 1803-1894.** Avec un fac-simile de la synthèse de Claude Joseph Geoffroy. 8vo, wrappers. **10/-**

*Paris: H. Welter 1895*

46 **FERGUSON** (John, *Regius Professor of Chemistry in the University of Glasgow*) **BIBLIOTHECA CHEMICA: A Catalogue of the Alchemical Chemical and Pharmaceutical Books in the Collection of the late James Young of Kelly and Durris, Esq., LL.D., F.R.S., F.R.S.E.** 4to, two portraits of the owner, printed on hand-made paper, 2 vol., original brown buckram, gilt, rough edges. **£16 10 0**

*Printed for Private Distribution. James Maclehose & Sons: Glasgow 1906*

\*. Inscription: "B. B. MacGeorge, Esq., from the Author, 7th of April, 1906."

"In endeavouring to construct the catalogue of such a library as this, which labour I undertook at Dr. Young's request, I considered who were likely to consult it and how best it could be made serviceable for the study of the history of chemistry. The persons who may possibly refer to it—besides those who actually use the library itself—are, in the first place, librarians, bibliographers, booksellers, and collectors of this branch of literature, if there be any such, and, in the second, students.

"For the convenience of the first group, the catalogue has been constructed on a more liberal and elaborate scale than would have been necessary, had the object been merely to make a list of short titles sufficient to serve as a register for the library. Instead of that the titles are reproduced in full, the particular copy is described, and any peculiarities it may possess noted, other editions are enumerated, and when practicable, an account of them, too, is added, which in many cases has been possible by inspection of the books themselves. To the different classes of bookmen these details may be convenient for reference, and for comparison with other copies. The literature is scarce, obscure and almost unknown, and, so far as my experience goes, while there are lists and enumerations of alchemical books, there is no bibliography of any part of it.

"More particularly intended for the student, who is concerned with the contents rather than the externals of the books, are the notes which contain biographical and descriptive details and discuss doubtful or disputed points of chronology, authorship, and other matters. The authors of most of these books are strangers to this country, and are but little remembered, or thought of, in their own. Some of them, however,

CHEMISTRY—*continued.*FERGUSON (JOHN)—*continued.*

were amongst the foremost men of their day, conspicuous by their lives, learning, discoveries and writings. It seemed desirable, therefore, in carrying out the plan I had drawn up, to give the student some notion of the position and authority of the different writers so far as lay in my power, to refer to the questions which have arisen about them and their writings, and to the criticisms and judgments which have been passed upon them." *Introduction*, pp. xvi.-xvii.

47 **FOURCROY** (Antoine François de, *Comte, Chemist.* *One of the first members of the Institute.* 1755-1809) **A.L.s.**, 3 pp., 4to, to Citoyen Pierre Benezech, Minister of the Interior, appealing for an apartment in the Louve with an adjoining laboratory, otherwise he will have to sell his collection of minerals and books and his chemical laboratory. His circumstances have been greatly reduced owing to the Revolution, to which he gave his services, and his benefits to the public through his chemical researches entitle him to make this appeal. With typewritten transcript. **£2 0 0**

*Paris, 11 Messidor An IV. 29 June, 1790*

48 **FOURCROY** (Antoine François de, *Chemist.* **A.L.s.**, 3rd person, 1 p., 8vo, to Citoyen de la Rivière and all the Professors at the École Centrale, accepting an invitation for himself and his friend Vauquelin (the eminent chemist) to inspect the École Centrale. **12/6**

*Caën, 6 Floréal An IX. 26 April, 1801*

49 **FOURCROY** (Antoine François de, *Comte, Chemist,* 1755-1809) **L.s.**, 1 p., 4to (correspondent's name cut away), refusing to allow the publication of poems addressed to him and submitted by correspondent, on the grounds that these poems would not form part of a big work, where they would be lost among a crowd of others, but would remain solitary pieces addressed directly to himself. With typewritten transcript. **7/6**

*Paris: 16 April, 1806*

50 **GRAHAM** (Thomas, *Chemist,* 1805-1869) **A.L.s.**, 3 pp., 4to, to Professor Otto, thanking him for sending his work, saying he is sending off his "Inorganic Chemistry" and "Organic Chemistry." **10/-**

*London 1840*

\*. Dr. Otto translated Graham's "Elements of Chemistry" into German.

51 **MAIER** (Michael) **JOCUS SEVERUS**, Hoc est, Tribunal Aeqvum, quo Noctva Regina Avivm, Phoenice, Arbitro, post Varias Disceptationes et querelas Volucrum eam infestantium pronunciat, & ob sapientiam singularem, Palladi sacrata agnoscitur. Sm. 4to, **first edition**, vignette of Phoenix and other birds on title-page, contemporary vellum. **£5 0 0**

*Nicolas Hoffmann for Theodore de Bry: Frankfurt 1617*

\*. Gardner. *Bibliotheca Rosicruciana*, 337. A collection of allegorical poems on the subject of alchemy. The author says in his preface that he has thus taken the owl to impersonate alchemy (chemia). The preface is written "omnibus verae chymiae amantibus."

CHEMISTRY—*continued.*

52 **MAIER** (Michael) VIATORIUM, hoc est, de montibus planetarum septem seu metallorum; tractatus tam utilis, quàm perspicuus, quo, ut Indice Mercuriali in triviis, vel Ariadne filio in Labyrintho, seu Cynosura in Oceano chymicorum errorum immenso, quilibet rationalis, veritatis amans, ad illum qui in montibus sese abdidit de rubea petra alexicacum, omnibus medicis desideratum, investigandum uti poterit. Sm. 4to, **first edition**. Emblematical copper-cut border to title-page (portrait of author at the top, a landscape at the bottom, and goddesses representing the seven metals along the sides), woodcut ornaments and initial letters, seven symbolic engravings by Jean Théodore de Bry in text, old scorings on some pages, some leaves slightly browned. Boards. **£9 0 0**

*Hieronimus Galler for Jean Theodore de Bry: Oppenheim 1618*

\*. Rosenthal, *Bib. Magica*, No. 577. Ferguson, *Bib. Chem.*, Vol. II., p. 65.

53 **MEAD** (Richard) A MECHANICAL ACCOUNT OF POISONS, in several essays. 8vo, 8 ll., 184 pp., 1 folding plate. Wrapper. **FINE COPY. £1 2 0**

*R. J. for Ralph Smith: London 1702*

54 **MULPHINUS** (Joannes Augustinus) OENO-LOGIA, idest (*sic*) vini dissertatio, in qua demonstratur vinum propinari posse in destillatione. Ubi obiter nonnulla pulchra de vino, tum adversias vinolentos, tum vini detractores. Sm. 4to, 47 pp., pp. 5-6: a list of the author's other works, p. 47: errata, p. 48 blank, wrapper. **£2 0 0**

*Joannes Baptista Tiboldus: Genoa 1667*

\*. **RARE.** Not in Ferguson, *Bib. Chem.*, Bolton or Waring.

55 **NAZARI** (Giovanni Battista) DELLA TRAMUTATIONE METALLICA SOGNI TRE; nel primo de quali si tratta della falso tramutatione sofistica: nel secondo della vtile tramutatione detta reale vsuale: nel terzo della diuina tramutatione detta reale Filosofica. Aggiuntovi di Nvovo la Concordanza de Filosofi, & loro Prattica; Nellaquale, si vede i gradi, & termini de esso diuino magistero, & della verissima Compositione della Filosofia Naturale, con laquale ogni cosa diminuta si riduce al vero Solificio, & Lunificio. Sm. 4to, **ITALIC LETTER**, anchor and dolphin device on title, slight defect in title, woodcut initials and ornaments, 15 woodcuts of CABALISTICAL SIGNS, etc., many of them very grotesque, some leaves waterstained, limp boards. **£3 0 0**

*Pietro Maria Marchetti: Brescia 1599*

56 **PHILALETHES** (Eirenaeus, *Cosmopolita*) [?STARKEY (George)] THREE TRACTS OF THE GREAT MEDICINE OF PHILOSOPHERS for Humane and Metalline Bodies. I. Intituled, *Ars Metallorum Metamorphoseos (sic)*. II. *Brevis Manuctio ad Rubinum Coelestem*. III. *Fons Chymicae Philosophiae*. Translated into English for the Benefit of the Studious, by a Lover of Art and Them. Sm. 8vo, **first edition**, name on title-page, old manuscript notes, some leaves stained, some defective, morocco roxburghe. **£3 10 0**

*T. Sowle: London 1694*

\*. **D.N.B.** LIV. p. 108, No. 3. **VERY RARE.** Not in Caillet, Hazlitt, Zeitlinger, or Ferguson. There is some doubt as to the identity of Eirenaeus Philalethes *Cosmopolita*; the British Museum General Catalogue ("P." LVII. 262) and Caillet (S.V. "Philalethes") identify him with George Starkey; but the D.N.B. (LIV. 108) says: "Starkey has been erroneously confused with the last named writer, ["Philalethes"], whose identity has not been determined, although it has been suggested that his real name was Childe.



CHEMISTRY—*continued.*

57 **PRITCHARD** (Henry Baden, *Chemist*, 1841-1884) **A.L.s.** to William Tinsly, suggesting "Tramps in the Tyrol" as a suitable title for one of his books. **10/-** *Woolwich: June 8, 1877*

58 **RHODE** (Joh., 1587-1659) **DE ACIA** *Dissertatio Ad Cornelii Celsi mentem Qua simul universa Fibulae ratio explicatur [etc.]*. 4to, numerous illustrations, including *fibulae* or "safety" pins and buckles, ornaments, etc., worked in steel; most of the illustrations are woodcuts in the text, but there are four engraved plates; leaves browned throughout, mottled calf, with the **Arms of Pierre Daniel Huet** (1630-1721), Archbp. of Avranches, in gilt on sides, his large armorial dated *ex-libris* inside cover, and the strip which he always used, with legend "Ne extra hanc Bibliothecam efferatur. Ex obedientia" pasted at foot of title. **£4 5 0**

*Typis Matthiae Godicchenii, Sumptibus Petri Hauboldi: Hafniae [Kjöbenhavn] 1672*

\*\* *Biog. Univ.*, xxxvii., 481—"Il y démontre, contre l'opinion de J. J. Cliflet, et d'autres médcins, que Celse employait, pour les sutures, the fil de lin, et non pas le fil de métal . . . curieuse dissertation." A rare book on steel working, with a life of Cornelius Celsus.

59 **SEHNER** (Johann Friedrich) **PROPOSITIONES QUAEDAM PHYSICAE DE AERE**. Sm. 4to, wrapper. **12/6**

*Erhard: Tubingen [1761]*

\*\* **RARE**. Not in the British Museum.

60 **SOLLY** (Edward, *Chemist and Antiquary*, 1819-1886) **2 A.L.s.**, 6 pp., 8vo, to John Stevens Henslow, concerning a disease in potatoes, *Bedford Row* 1846; to Henslow, respecting starch. **15/-** *Bedford Row* 1845

61 **STARKEY** (George, *graduate of Havard College*) **PYROTECHNY ASSERTED AND ILLUSTRATED**, to be the surest and safest means for art's triumph over nature's infirmities. Being a full and free discovery of the medicinal mysteries studiously concealed by all artists, and onely discoverable by fire. With an appendix concerning the nature, preparation and virtue of several specifick medicaments, which are noble and succedaneous to the great arcana. 16mo, original sheep. **FINE UNPRESSED COPY. £17 10 0** *R[oger] Daniel for Samuel Thomson: London 1658*

\*\* **VERY RARE**. Inscription on title-page: "W. S. J. Crawley," in a seventeenth century hand. Christie-Miller copy. Two editions were published in 1658: (1) [18] + 172 pp., and (2) [2] + xi. + iv. + 172 pp. This is (1). This copy has the last blank leaf M8. Neither of these editions are recorded by the Surgeon General's Library Catalogue. Dedicated to Robert Boyle.

A contribution to the literature of Alchemy. "He graduated M.A. at Harvard College in 1646. . . . Between 1646 and 1650 Starkey proceeded to England, and from 1650 onwards he rendered himself conspicuous by vending quack medicines, styling himself 'a philosopher made by the fire, and a professor of medicine that is real, not histrionical.'" He was a friend of Thomas Vaughan, the alchemist.

Bolton, *Select Bibliography of Chemistry*, p. 1048. Dictionary of National Biography, Thin Paper Edition, vol. 18, p. 995. Caillet, *Bibliographie des sciences occultes*, vol. 3, p. 552. Ferguson, *Bibliotheca Chemica*, vol. 2, p. 401. Sibley, *Graduates of Harvard University*, vol. 1, pp. 131-137.

CHEMISTRY—*continued.*

62 **STARKEY** (George, *Graduate of Harvard University*) **PYROTECHNIA**: ofte vuur-stook-kunde, vast-gesteld en opgehelder, ofte het sekerste en veiligste middel om de konst te doen triumpheren, over de natuurlijke gebreken; sijnde een volle en opene ont dekkinge van de medicinale verborgentheden door alle konstenaars, met voordagt verborgen, en alleen ont dekkelijte toebeteidinge, en kragten van verscheide specifique medicamenten, die seer edel en agter volgende, het groote arcana zijn, met een opdracht des autheurs aan de Heer R. Boyle. Uit het Engels vertaalt door J. van de Velde. 12mo, 15 ll., 192 pp., frontispiece, old vellum. £2 5 0  
*Jacob van de Velde: Amsterdam 1687*

\*. Not in the British Museum.

63 **STUBBE** (H.) **LEGENDS NO HISTORIES**: on a Specimen of some animadversions upon the history of the Royal Society: wherein, besides the several errors against common literature, sundry mistakes about the making of salt-petre and gun-powder are detected and rectified; whereunto are added two discourses, one of Pietro Sardi and another of Nicolas Tartaglia relating to that subject. Translated out of Italian. With a brief account of those passages of the Author's life, which the virtuosi intended most to censure, and expatiate upon: written to save them the trouble of doing anything besides defending themselves. Together with the *Plus ultra* of Mr. Joseph Glanville reduced to a *nun-plus*, etc. Sm. 4to, wrapper. £1 15 0  
*London 1670*

\*. Not in Lowndes, *Bibliographer's Manual*.

64 **VIREY** (Julian Joseph, *Physician, Chief Pharmaceutist at the Hospital of Val de Grâce, in Paris, 1775-1846*). **A.L.S.**, 2 pp., 4to, to Monsieur Sartetel, asking for extra assistance at the hospital. With the consent to this request for assistant dispensers signed by Barbier, Méry, Sain D., and Chalibert, D. 12/6  
*Val de Grâce, 25 June, 1808*

\*. With typewritten transcript.

## ENGINEERING.

65 **BATE** (John) **THE MYSTERYES OF NATURE AND ART**: contained in foure severall tretises, the first of water workes, the second of fyer workes, the third of drawing, colouring, painting and engraving, the fourth of divers experiments, as wel serviceable as delightful: partly collected and partly of the author's peculiar practice and invention; by J. B. 4to (7 $\frac{7}{16}$  by 5 $\frac{5}{8}$  in.), **first edition**, engraved title-page in compartments, numerous diagrams, contemporary sheep. £48 10 0

*For Ralph Mab, John Jackson and Francis Church: London 1634*

\*. With last blank leaf. At p. 57 is a second title-page: **THE SECOND BOOKE TEACHING MOST PLAINLY**, and withal most exactly, the composing of all manner of fireworks for triumph and recreation. By I. B. [woodcut] *Thomas Harper for Ralph Mab: London, 1634*. At p. 101 is a third title-page: **THE THIRD BOOK OF DRAWING**, limming, colouring, painting, and graving. By I. B. [woodcut] *Thomas Harper for Ralph Mab: London, 1634*. At page 143 is a fourth title-page: **THE BOOKE OF EXTRAVAGANTS**: wherein amongst others, is principally contrived divers excellent and approved medicines for severall maladies. By I. B. [ornament] *Thomas Harper for Ralph Mab: London, 1634*. **NOT IN SAYLE**, *Catalogue of Eng. Bks. before 1641 in Camb. Univ. Lib.*, or *Surg. Gen. Lib. Catalogue*. Mr. Zeitlinger describes a copy which lacks the title-page to the third part. He says of the book: "THE FIRST

ENGINEERING—*continued.*BATE (JOHN)—*continued.*

EDITION OF THIS CURIOUS WORK IS EXCESSIVELY RARE, NO COPY HAVING HAPPENED FOR SALE FOR THE LAST TWENTY YEARS. Some of the experiments described and depicted are very curious, including instructions how to make weather-glasses, water-clocks, etc., experiments in drawing water by the crane and by engins, of forcing water by ayre compressed and by engins, of producing sounds by ayre and water by evaporation of water by fire and by engins, of motions by evaporating water and by rarefying air, etc., etc., etc. BEARING IN MIND THE EARLY DATE OF PUBLICATION, ITS DESCRIPTIONS OF ENGINES DRIVEN BY STEAM ARE OF CONSIDERABLE INTEREST. THERE IS NO COPY OF THIS EDITION IN THE BRITISH MUSEUM, nor is the author noticed in D.N.B. Page 155 describes how to make a FREEZING MIXTURE, WHICH IS OF SPECIAL INTEREST, ROBERT BOYLE HAVING BEEN CREDITED WITH MAKING THE FIRST EXPERIMENTS IN 1667—THIRTY-THREE YEARS AFTER THE PUBLICATION OF THE ABOVE WORK." (Bib. Chem. Math., 289). Bate's recipe runs as follows: "To make ice that will melt in fire, but not dissolve in water. Take strong water made with saltpeter, allum, and oyle of tartar, of each, one pound. Infuse them together, then put into them a little *aqua ardens*, and it will presently coagulate them, and turne them into ice."

Mr. Levis has reproduced the two pages containing the description of this "engine": he also reproduces the title-page and says of the book: "Eight pages deal with the subject of "GRAVING"; the illustrations in this section shew a hand holding a burin, engraving a flower on a plate, a hand engraving a ring held in a vice, and at the bottom of each is shewn the engraving tool. It explains how to prepare the plate, and how to make and use the graver, also how to etch, and how to prepare the plate for etching, and how to engrave on a flint stone. As a practical book on engraving it is very primitive. IT IS VERY RARE IN PERFECT CONDITION; THE TITLE-PAGE IS NEARLY ALWAYS MISSING. The "FIRE-WORKS" section contains the following headings: A device to try the strength of divers sorts of gunpowder: compositions for rockets of all sizes: composition of starres: compositions for receipts of fireworkes, that operate upon the earth: a receipt for rockets that burn upon the water: a receipt of a composition that will burn underwater: a water called *aqua ardens*: how to make serpents: how to make rayning fire: how to make starres: how to make petards: how to make compounded rockets: how to make fiends, or fearefull apparitions: how to make fire boxes: how to make swevels: how to make gironells or fire wheels: how to make flying dragons: how to make fire-drakes: how to make balloones, also the mortar peece to discharge them: how to make trunkes: how to make tumbling balls: how to make saucissons: how to make the flying saucisson to be delivered out of the mortar peece: how to make a fire sword: the description and making of three sorts of fire-lances: the description and making of two sorts of fire clubs: how to make a fire target: how to make rockets for the water: how to make a rocket that shall burn a good while in the water, and then mount up into the ayre: the description and making of two sorts of fire bals for the water: how to make a dolphin.

66 BOECKLER (Georgius Andreas) ARCHITECTURA CURIOSA NOVA, exponens Fundamenta hydrogogica, indolemque aquae, aëris inter-ventu in altum levandea; varios Aquarum ac salientium Fontium Lusus per varia Spectatu jucunda Epistomiorum seu Sephonum Genera; magnum amoenissimorum Fontium, Machinarumque aquaeductoariarum Sumta magno exstructarum, ac per Italiam . . . visendarum, numerum specus arti-ficiales sumptuosissimas . . . cum Auctario Figurarum elegantissi-marum, ad Hortorum Topiaria vario Ductu dividenda, nec non conclavium Laquearibus ac Pavimentis segmentandis, itemque Labyrinthis construendis, ad hibendarum. . . in Latinam Linguam translata à Johanne Christo-phoro Sturmio. Folio, frontispiece and TWO HUNDRED AND TWENTY-EIGHT PLATES. Vellum. £6 0 0 Paulus Fuersten: Nuremberg [1664]

\* "Ouvrage . . . contenant des figures de jets-d'eau, cascades, bassins, fontaines, grottes," etc. Brunet, i., 1024.

ENGINEERING—*continued.*

67 **BOECKLER** (Georgius Andreas) ARCHITECTURA CURIOSA NOVA. [*Another copy.*] Calc. £6 0 0

Paulus Fuersten: Nurenberg [1664]

68 **BRUNEL** (Isambard Kingdom, *Civil Engineer*, designed the Great Eastern Steamship. 1806-1859) A.L.s., 3 pp., 8vo. Discussing some specifications. 10/- 18, Duke St., Westminster: March 15th, 1830

69 **BRUNEL** (Sir Marc Isambard—*Civil Engineer*, 1769—1849) A.L.s., 1 p., 8vo, in French, to M. Beloni, declining to take part in any project, as he is continually engaged on his enterprise. 12/6 13 Sep., 1842

\*. The "enterprise" refers no doubt to the Thames Tunnel.

70 **DESCRIPTION OF THE POCKET MICROSCOPE**, with the Apparatus thereto belonging: adapted for viewing both Opake (*sic*) and Transparent Objects. And likewise of the Part called the Solar Apparatus. As greatly Improved and Made by James Mann and James Ayscough. 8vo, 16 pp., three folding engraved plates by MOSELEY, wrapper, RARE. 17/6

At the Sign of Sir Isaac Newton and Two Pair of Golden Spectacles near the West End of St. Pauls: London [c. 1760]

71 **EDISON** (Thomas, A., *Inventor*) L.s., 1 p., 4to, to Conrad Cooke, concerning some improvements in the "New Receiver." 7/6

Laboratory of Thomas A. Edison, Menlo Park, N.J.: 9 June, 1879

72 **FAUJAS DE ST. FOND** (Barthélemy, *Aeronautical Engineer and Traveller*, 1741-1819) A.L.s., 1½ pp., 4to, to Bellanger, thanking him for specimens of remains excavated at Montmartre. What interests him most will be the drawings of the thicknesses and varieties of strata recognised by Bellanger. With typewritten transcript. 15/-

Jardin des Plantes: 16 May, 1810

73 **FAUJAS DE ST. FOND** (Barthélemy) A.L.s., 3 pp., 8vo, to F. J. Bellanger, Architect, thanking him for the offer to show him his drawings of the Caverns of Derbixhiva; is most gratified at the account of the details of the lie of the grounds and marine and river remains, found during his excavations à micoté de Montmartre; writer makes interesting suggestions concerning the composition of these remains. With typewritten transcript. £1 0 0

Paris: 11 March, 1811

74 **HERO MECHANICUS. LIBER DE MACHINIS BELLICIS**, necnon liber de Geodaesia a FRANCISCO BAROCIO, Patritio Veneto latinate donati, multis mendis expurgati, & figuris, ac scholiis illustrati. Sm. 4to, printer's device on title, historiated initials and headpieces, and a GREAT NUMBER OF WOODCUT VIEWS, DIAGRAMS AND OTHER ILLUSTRATIONS ON THE MILITARY ART, MANY BEING FULL-PAGE. A VERY FINE COPY OF THIS VERY RARE BOOK. Wrappers. £3 10 0

Apud Franciscum Senensem: Venetiis 1572

\*. Barocius's notes are illustrated chiefly with geometrical and other diagrams, and a zodiacal woodcut, and the text is embellished with numerous and interesting cuts, illustrating military tactics, with xylographic explanations. Hero was a seventh century writer on war.

ENGINEERING—*continued.*

75 **HERO MECHANICUS.** DE GLI AUTOMATI, overo machine se moventi, libri due, tradotti dal Greco da Bernardino Baldi, Abbate di Guastalla. Novamente ristampato. Con ogni diligenza ricercetto. Sm. 4to, 48 ll., engraved title, illustrations in text, modern parchment, gilt. £2 10 0  
Giovanni Battista Bertoni: Venice 1601

\*. Not in Haym, or Brunet.

76 **HERO.** GLI ARTIFICIOSI, e Curiose Moti Spiritali di Herone. Tradotti M. Gio: Battista Aleotti. Sm. 4to (8½ by 6 in.), engraved plate on title and a great number of woodcuts, which include diagrams of pumps, water-mills, organs blown by wind-mill apparatus, MACHINE WORKED BY STEAM, etc., old boards, vellum back, from the J. Eliot Hodgkin collection, with ex-libris. £1 5 0  
Carlo Zenaro: Bologna 1647

\*. Brunet III. 129. One of the earliest and most important books on this subject.

77 **HUGHES** (David Edward, *Electrician and Inventor*, 1830-1900) **A.L.s.**, 2 pp., 8vo, to E. W. Cooke, on scientific matters. 5/-  
94, Great Portland Street: 3 June, 1880

78 **MANDEY** (Venterus) and **MOXON** (James) **MECHANICK-POWERS:** or, 'The Mistery of Nature and Art unvail'd. Shewing what Great 'Things may be perform'd by Mechanick Engines, in removing and raising Bodies of vast weights with little strength, or force; and also the making of Machines, or Engines, for raising of Water, draining of Grounds, and several other Uses. Together with a Treatise of Circular Motion artificially fitted to mechanick use, and the making of Clock-work, and other Engines. Sm. 4to. NUMEROUS FOLDING PLATES ILLUSTRATING ENGINEERING PROBLEMS. Old sheep. £4 0 0

*For the Authors: London [about 1696]*

\*. Zeitlinger 2796. According to the preface the first systematic treatise on practical mechanics. NOT IN POGGENDORFF.

79 **MARTIN** (Benjamin) **THE DESCRIPTION AND USE OF A TABLE-CLOCK** upon a new construction, going by a weight eight days; with a half-second pendulum of invariable length. 4to, with plan of the clock, wrappers. £1 1 0 [circa 1770]

80 **NASMYTH** (James, *Engineer*, 1808-1890) **A.L.s.**, 8 pp., 8vo, to Rev. R. F. B. Rickards, of a technical nature, with pen and ink diagrams. 7/6  
Aug. 13, 1866

81 **RAMSDEN** (John, *Mathematical Instrument Maker*) **DESCRIPTION OF AN ENGINE FOR DIVIDING MATHEMATICAL INSTRUMENTS.** Published by Order of the Commissioners of Longitude. 4to, first edition, four copper-plates, cobb boards. £1 10 0

*William Richardson for John Nourse: London 1777*

\*. Watt. 789a (with a slight variation in the title).

ENGINEERING—*continued.*

82 **SWYMMER** (Anthony) The manner how to alter Bigues of Rope and how to duble any Rope Cable or Mast by 'The Extraction of the Square Root.—How to builde Shippes by Proportion.—Certaine Questions Arithmetical concerning the office of the Master of Ordinance, etc.—And other Mathematical and Astronomical Pieces. Original Manuscript of 51 ll., small 4to, very neatly written on paper with carefully drawn diagrams and tables, wrappers. £6 6 0 [circa 1636]

83 **TELFORD** (Thomas, *Engineer; engineer of the Ellesmere Canal, 1793, built the remarkable aqueducts over the Ceiriog valley at Chirk, constructed Caledonian Canal, etc. 1757-1834*) A.L.s., 1½ pp., 4to, to T. Eyre Lee, suggesting various routes by which correspondent's father may reach Newport to view the canal works; mentions having examined the Canal "from the junction to this place, and propose proceeding along it in a boat to Nantwich to-morrow." £1 17 6 *Newport: 16th July, 1832*

84 **TELFORD** (Thomas, *Engineer, 1757-1834*) A.L.s., 1 p., 8vo, sending an enclosure. 7/6 *Inverness: 30 October, 1813*

85 **WILKINS** (John, *Bishop of Chester, 1614-1672*) MECHANICAL AND PHILOSOPHICAL WORKS. 8vo, portrait and engraved title, and numerous curious plates, including devices for propelling vehicles without horses, gearing, missile-hurling machines, etc., old panelled calf. £3 10 0

*For J. Nicholson, etc.: London 1708*

\*. Contents: The Discovery of a New World [an endeavour to prove that the Moon is inhabited, and a discussion of the possibility of getting there]; That 'tis probable our Earth is one of the Planets [opposing the Geocentric Theory]; Mercury: or, The Secret and Swift Messenger [Ciphers and Cryptograms]; Mathematical Magick [an essay on Mechanics, on guns, air-guns, land-yachts, clocks, perpetual motion, and ideas foreshadowing the invention of the submarine and aeroplane], etc.

86 **W[ILKINS]** (J.) MATHEMATICALL MAGICK: or, The wonders that may be performed by Mechanicall Geometry. 12mo, first edition, numerous copper and woodcuts of mechanical devices, etc., including two land-yachts. Old calf, gilt. £3 12 6

*M. F. for Sa. Gellibrand: London 1648*

\*. This books treats, *inter alia*, of air-guns, submarines, human flight and perpetual motion. One of the chapter headings reads: "A resolution of two of the chief difficulties that seem to oppose the possibility of a flying chariot."

87 **WIMSHURST** (James, *Engineer, 1832-1903*) A.L.s., 4 pp., 8vo, concerning the work he is doing. 4/- *11. Dec., 1885*

## GEOLOGY.

88 **AGRICOLA** (Georgius, 1494-1555, M.D.) **OPERA DI GIORGIO AGRICOLA DE L'ARTE DE METALLI**, partita in xii. libri, ne quali si descrivano tutte le sorti, e qualità de gli uffizij, de gli strumenti, delle macchine, e di tutte l'altre cose attenenti a cotal arte, non pure con parole chiare, ma eziando si mettano a luoghi loro le figure di dette cose ritratte al naturale, con l'aggiunta de nomi di quelle, cotanto chiari, e spediti, che meglio non si puo desiderare, o hauere. Aggiugnesi il libro del medesimo autore, che tratta de gl' Animali di sottoterra, da lui stesso corretto, & riueduto. Tradotti in lingua Toscana da M. Michtlangelo Florio Fiorentino. Con l'Indice di tutte le cose più notabili alla fine. Folio (12 $\frac{1}{8}$  by 8 $\frac{1}{8}$  in.), **first Italian edition**, Froben's "caduceus" device on title-page and at end, numerous woodcuts of digging ore, mines, mining tools, smelting, casting, etc., leaves browned, old vellum. **£6 10 0**

*Hieronymus Frobenius: Basle 1563*

\*. "Agricola, a native of Saxony, acquired a perfect knowledge of the processes of metallurgy from the miners of Chemnitz, and perceived the immense resources that might be drawn from the abysses of the earth. 'He was the first mineralogist,' says Cuvier, 'who appeared after the revival of science in Europe. He was to mineralogy what Gesner was to zoology; the chemical part of metallurgy, and especially what relates to assaying, is treated with great care, and has been little improved down to the end of the eighteenth century.' It is plain that he was acquainted with the classics, the Greek alchemists, and many manuscripts." (Hallam.)

89 **BARBA** (Albaro Alonso) **THE ART OF METALS**, in which is declared the manner of their generation and the concomitants of them. In two books. Written in Spanish by Albaro Alonso Barba, master of art; curate of St. Bernards parish in the imperial city of Potosi, in the kingdom of Peru in the West-Indies, in the year 1640. Translated in the year, 1669, by the R. H. Edward [Montagu], Earl of Sandwich. 12mo (6 $\frac{1}{16}$  by 3 $\frac{7}{8}$  in.). Second Edition. A-K8. Contemporary sheep. **£4 15 0**

*For S[amuel] Mearne: London 1674*

\*. Lowndes 110, D.N.B. xiii. 684.

Bound with this volume is:—

"The Second Book of the Art of Mettals, wherein is taught the common way of refining silver by quicksilver. With some new rules added for the better performance of the same. Written in Spanish by Albaro Alonso Barba, . . . 1674. **First edition**, A-F8, one plate, F8 a blank leaf.

\*. Ferguson I. 70. According to Ferguson these two books were published together.

90 **BARTON** (Richard) **LECTURES IN NATURAL PHILOSOPHY**, designed to be a foundation, for reasoning pertinently, upon the Petrifications, Gems, Crystals and Sanative Quality of Lough Neagh in Ireland; and intended to be an Introduction, to the Natural History of Several Counties contiguous to that Lake, particularly the County of Ardmagh. Sm. 4to, **first edition**, plates, half bound. **£2 0 0**

*A. Reilly for the Author: Dublin 1751*

\*. [1] + xviii. + 218 pp. + 7 plates. Watt (81d) mentions only 6 plates. This copy contains plate 3, the existence of which Lowndes appears to be unaware. (Lowndes, 125.)

## GEOLOGY—continued.

91 **BOWERBANK** (James Scott, *Geologist*, 1797-1877) **A.L.s.**, 2 pp., 8vo, to E. W. Cooke, discussing a meeting "with our Linnean friends" at Tunbridge Wells. 5/- 2, *East Axent St. Leonards on Sea*: 22 June, 1870

92 **DOLOMIEN** (Déodat Gui S. T. de, *Geologist and Mineralogist*, 1750-1801) **A.L.s.**, 3 pp., 4to, to Citoyen Picot, père professeur, à Genève on the eve of departure with a "Caravan Savante" for Egypt, Arabia, Persia, and India, by order of Napoleon. A full account is given of the nature of the expedition and of the people taking part in it, including artists and poets—a hundred in all. Of Napoleon, he says, "Si nous n'avions pas avec nous Bonaparte, ses talens et sa fortune, nous croirions qu'il manque encore beaucoup de chose pour assurer le succès de notre grande expedition. Mais avec lui notre confiance est entière, l'enthousiasme des troupes de terre embarquées sur ses vaisseaux est extrême; elles sont accoutumés à vaincre sous ce général; il seroit desirer que cet ardeur se communiquoit aux marins que ne le partagent point encore, et dont le nombre n'est rien moins que suffisant . . . ." Last leaf slightly damaged, affecting a few words. With typewritten transcript. **£4 0 0**

*Toulon, à bord Le Tonnant 24 Floréal An VI 13 May, 1798*

\*. This expedition was carried out by Napoleon as a means of attacking England in her remote possessions. All plans were kept secret. The land force was said to have consisted of 30,000 men.

93 **FAVENTIES** (Valerius) **DE MONTIUM ORIGINE** . . . .  
Dialogus. Sm. 4to, woodcut "Renown" device on title, historiated woodcut initial, WITH THE ORIGINAL BLANK LEAF AFTER THE DEDICATION, wrapper. FINE COPY. **£2 0 0**

*In Academia Veneta [Aldine Press: Venice] 1561*

\*. Renouard, p. 281, No. 56. Bib. Nat. Cat., Vol. 50, Col. 162. NOT IN AGASSIZ. BIB. ZOOL. ET GEOLOGIAE. "Rare" (Renouard).

94 **GREENOUGH** (George Bellas, *Geographer and Geologist*, 1778-1855), telling correspondent he was glad to hear "the controversy between you and the Royal Society is at an end. 10/- *Regents Park 1839*

95 **GRETZER** (Jakob) **FONS OLEI WALPURGINI APUD EYSTETTENSES** explicatus atque defensus. Sm. 4to, copper plate, original wrappers and stitching. **£2 5 0**

*Elisabeth Angermaria: Ingolstadt 1620*

\*. De Backer and Sommervogel, *Bib. de la Comp. de Jésus*, Vol. 3, col. 1800, No. 214. VERY RARE. Not in Agassiz, *Bib. of Geology*, or Burroughs, *Bib. of Petroleum and allied Substances*. A very rare and early book on mineral oil. The *Encyc. Brit.* under "Walpurga" describes it as a "kind of bituminous oil," which happened to spring from the alleged site of the Saint's grave.



GEOLOGY—*continued.*

96 **HAMILTON** (Sir William) **CAMPI PHLEGRAEI.** Observations on the Volcanos of the Two Sicilies, as they have been communicated to the Royal Society of London. To which, in order to convey the most precise idea of each remark, a new and accurate map is annexed, with 54 plates illuminated, from drawings taken and colour'd after nature, under the inspection of the author, by the editor Mr. Peter Fabris. (Supplement, being an account of the Great Eruption of Mount Vesuvius in August, 1779. To which are annexed five plates illuminated from drawings.) 3 vol., folio (18 by 12½ in.), text in French and English, map and 59 plates coloured *en gouache*, original half binding, FINE COPY OF THIS RARE AND IMPORTANT WORK. £5 10 0 *Naples 1776-79*

∗∗ THIS FIRST EDITION is of much greater importance than the re-issue of 1798.

97 **HOUGHTON** (Thomas) **ROYAL INSTITUTIONS:** Being Proposals for Articles to establish and confirm Laws, Liberties and Customs of Silver and Gold Mines in Africa and America. With Methods of Mining, and getting of Precious Stones; the Working and Making of Saltpetre; and also, the Digging and Getting of Lead, Tin, Copper and Quick-Silver Oars. 12mo (147 by 91 mm.), first edition, contemporary blind panelled calf. £4 17 6 *For the Author: London 1694*

∗∗ Hazlitt, Collections, II. 292.

98 **LEIGH** (Charles, M.D.) **THE NATURAL HISTORY OF LANCASHIRE, Cheshire and the Peak in Derbyshire.** Folio, first edition, portrait after FAITHORNE, numerous plates, contemporary crimson morocco, gilt panels on sides, back decorated with gilt spiral work, gilt edges and inside of boards. FINE COPY WITH THE ERRATA LEAVES. £2 10 0

*For the Author [etc.]: Oxford 1700*

∗∗ Lowndes 1335. Selected contents: Subterraneous Eruptions: Mines and Minerals: Vitriol Ores: Diamonds: Fossile Plants examined, and demonstrated from various observations, that they are but *Lusus Naturae*: Subterraneous Skeletons, Petrified Shells, Subterraneous Shells: Of Scurvy: Of Consumptions: Of the Dropsy: etc., etc.

99 **MENTELLE** (Edmé, Professor of Geography *Ecole Normale*, 1730-1815) A.L.s., 2 pp., 8vo, to D'aubus, arranging for a meeting. 5/-  
28 November, 1804

100 **NICOLS** (Thomas) **A LAPIDARY:** or, the History of Pretious Stones: with cautions for the undeceiving of all those that deal with Pretious Stones. Sm. 4to, with a folding diagram of the qualities of precious stones, green morocco, gilt, gilt edges. £4 4 0 *T. Buck: Cambridge 1652*

∗∗ An early scientific treatise on gems. Nicols rejected the magical use of stones altogether as "Satanic subtleties."

101 **ORTELIUS** (Abraham, Flemish Geographer, who composed the first Atlas known, surnamed the XVIIth century Ptolemy, 1527-1598) A.L.s. (in Latin), 1 p., folio, to Joachim Camerarius, the German botanist, in which he speaks of his own works on science and those of Camerarius. Very fine letter. £25 0 0 *Antwerp: April 1, 1597*

## GEOLOGY---continued.

102 **PENGELLY** (William, *Geologist*, 1812-1894) **A.L.s.**, 2 pp., 8vo, to E. W. Cooke, asking for a contribution in way of a drawing for a bazaar in aid of the New Natural History Museum at Torquay. 5/-

*Laniorna, Torquay, 29 March, 1876*

103 **PETTUS** (Sir John) **FODINAE REGALES**, or the History, Laws, and Places of the Chief Mines and Mineral Works in England, Wales, and the English Pale in Ireland. As also of the Mint and Mony [*sic*]. With a Clavis explaining some difficult Words relating to Mines, &c. Small folio, **first edition**, engraved portrait of the author (*æt* 57) by SHERWIN, engraved coats of arms (in the text), and two full-page engraved views; an exceptionally fine copy in the original pannelled calf. **£6 10 0**

*H. L. and R. B. for Thomas Basset: London 1670*

\*\* Written at the request of Prince Rupert and Shaftesbury.

104 **PETTUS** (Sir John) **FLETA MINOR**. The Laws or Art and Nature, in knowing, judging, assaying, fining, refining and inlarging the Bodies of confined Metals. In two Parts. The first contains Assays of Lazarus Erckern . . . The second Essays on Metallick Words [a glossary of metallurgical terms, etc.]. Folio (13½ by 8½ in.), **first edition**, portrait by R. White, and 43 copper engravings of FURNACES, RETORTS, etc., contemporary calf. **FINE COPY. £4 5 0**

*Thomas Dawkes for the Author: London 1683*

105 **PLOT** (Robert) **DE ORIGINE FONTIUM TENTAMEN PHILOSOPHICUM**. In Praelectione habita coram societate philosophica nuper Oxonii instituta ad scientiam naturalem promovendam. 8vo, engraved frontispiece, linen boards, covered with a Persian Tapestry of the XVIth century. **£2 0 0**

*E Theatro Sheldoniano: Oxonii 1685*

106 **PRESTWICH** (Sir Joseph, *Geologist*, 1812-1896) **A.L.s.**, 4 pp., 8vo, to E. W. Cooke, declining an invitation on account of ill health. 4/-

*34, Broad Street, Oxford, 2 July, 1878*

107 **PRYCE** (William) **MINERALOGIA CORNUBIENSIS**: A Treatise on Minerals, Mines and Mining: containing the theory and natural history of strata, fissures and lodes, with the best methods of discovering and working of coal, copper and lead mines, and of cleansing and metalizing their products; shewing each particular process for dressing, assaying and smelting of ores. To which is added, an explanation of the terms and idioms of miners. Folio, **first edition**, portrait, folding diagrams and tables, half calf. **FINE COPY. £3 15 0**

*James Phillips: London 1778*

\*\* D.N.B. xvi. p. 429: "It [*Mineralogia*] was the result of careful study of the mining world of Cornwall, and is still of value, both for historical purposes, and for practical mining."

GEOLOGY—*continued.*

108 **RASHLEIGH** (Philip) SPECIMENS OF BRITISH MINERALS selected from the Cabinet of Philip Rashleigh, with general Descriptions of each Article. Two parts in one vol., 4to. Part I, pp. 56, with 22 coloured plates and an introduction. Part II., 23 pages of letterpress describing 20 coloured plates, also the Section of the Stream-work at Poth, with a coloured engraving, contemporary straight grain red morocco, gilt, inside panels, g.e., by GILMOUR of SALISBURY, with his ticket. FINE COPY. £6 5 0

*G. Nicol: London 1797-1802*

\*. These brilliant and beautiful engravings of minerals are mostly representative of minerals extracted from the mines of Cornwall.

109 **RUFFO** (Salvatore) DE HORRENDO TERRAE MOTU, qui contigit Panormi nocte post kalend. Sept., 1726, tractatus historicus, quem ex Italico in Latinum sermonem conversum, adjecta praefatione atque tabula urbis Panormi edi curavit G. Frid. Richter. Sm. 4to, folding plan, wrapper. 12/6

*Leipzig 1727*

\*. A contemporary account of the terrible EARTHQUAKE which devastated Parma in 1726.

110 **SHOWER** (J.) PRACTICAL REFLECTIONS ON THE LATE EARTHQUAKES. Some leaves stained. 12mo, sheep. £1 10 0 1693

111 **TOPLEY** (William, *Geologist*, 1841-1894) A.L.s., 3 pp., 8vo, to E. W. Cooke, giving an account of the rare flora of Rothbury. 5/-

*Rothbury, Morpeth, 4 May, 1876*

112 **VARENI** (Bernhardi) GEOGRAPHICA GENERALIS, in qua affectiones generales Telluris explicantur. First edition, device on title and five folding plates, contemporary mottled calf, £1 5 0

*John Hayes: Cambridge 1672*

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## MATHEMATICS.

113 **BEUGHEM** (Cornelis van) BIBLIOGRAPHIA MATHEMATICA ET ARTIFICIOSA NOVISSIMA perpetuo continuanda, seu conspectus primus; catalogi librorum mathematicorum, sc., arithmeti-  
corum, astronomicorum, geographicorum, opti-  
corum, harmonicorum et mechanicorum. 16mo, old calf. £2 5 0.

*Apud Janssonio-Waesbargios: Amsterdam 1688*

114 **BORGIO** (Pietro) LIBRO DE ABACHO. Sm. 4to, 100 ll., contemporary limp vellum, some leaves a little stained. £3 5 0

*Bernardino de Bindoni: Venice, October, 1540*

\*. VERY RARE. Not in Haym, British Museum, De Morgan, or Bibliothèque Nationale Catalogue.

MATHEMATICS—*continued.*

115 **COCKER** (Edward) **DECIMAL ARITHMETIC**: wherein is shewed the nature and use of decimal fractions, in the usual rules of arithmetick, and in the mensuration of planes and solids. Together with tables of interest, and rebate for the valuation of leases and annuities, present or in reversion, and rules for calculating those tables. Whereunto is added his artificial arithmetick, shewing the genesis or fabrick of the logarithmes, and their use in the extraction of roots, the solving of questions of anatocisme, and in other arithmetical rules, in a method not usually practised. Also his algebraical arithmetick containing the doctrine or composing and resolving an equation; with all other rules requisite for understanding that mysterious art, according to the method used by Mr. John Kersey in his incomparable treatise of algebra. Perused, corrected and published by John Hawkins, writing master at St. George's Church in Southwark. Sm. 8vo, **first edition**, calf gilt by F. Bedford. **£12 10 0**

*J[ohn] Richardson for Thomas Passinger and Thomas Lacy: London 1685*

\*. Contains bookplate with motto: "Sub Robore Virtus." Christie Miller copy. R1 torn and mended.

116 **EUCLIDES. ELEMENTA.** A. G. Fournier. 16mo, old calf. **17/6**  
*E. Story: London 1654*

117 **EUCLIDES. ELEMENTA.** Opera J. Barrow. 12mo, old calf. **10/-**  
*Cambridge Univ. Press, 1655*

118 **FLETCHER** (Abraham, 1714-1793) **THE UNIVERSAL MEASURER AND MECHANIC.** 8vo, 11 plates, old calf. **10/-**  
*For G. Robinson and J. Roberts: London 1766*

119 **GALTRUCHIUS** (P.) **MATHEMATICAE TOTIUS INSTITUTIO.** 12mo, frontispiece, old calf. **7/6**  
*J. Field: Cambridge 1668*

120 **GREGORY** (Olinthus Gilbert, *Mathematician*, 1774-1841) **A.L.s., 1 p., 8vo.** "There is but one precise point from which we can take an undistorted view of a picture: all other points are too high or too low, too remote or too near . . ." etc. **6/-**  
*18 February, 1833*

121 **LAPLACE** (Pierre Simon, *Marquis de, Astronomer and Mathematician, Author of the "Mechanique Celeste,"* 1749-1827) **A.L.s., ½ p. 4to,** to Senateur Barnaba Oriani, the eminent astrologer, asking his acceptance of a little work which is an extension of the subject *milieux arhythmiques*, goes on to speak of "nostre grand cercle repétiteur" (by means of which it will be possible to observe the next solstice), to be set up under the eyes of M. Reichenbach himself. With typewritten transcript. **£1 10 0**  
*Paris: 26 November, 1811*

\*. Laplace is described by Thomas in *Universal Dictionary of Biography* as being "one of the greatest astronomers and mathematicians of any age or country."

MATHEMATICS—*continued.*

122 **LEYBOURN** (William) **THE COMPLEAT SURVEYOR**, Containing the whole Art of Surveying Land. By the Plaine Table, Theodolite, Circumferentor, Peractor, and other instruments. Small folio, engraved frontispiece of the author at 30 years of age, numerous woodcut diagrams and crude illustrations, autograph of Tho. Bainbrigge on title, contemporary calf. **£3 10 0** *R. & W. Leybourne: London 1657*

\*. Not in Lowndes, who notes "Wm. Leybourn published many other scientific works, all of which are esteemed." The fifth edition appeared in 1722, edited by Samuel Gunn, who says in the preface, "The author of this treatise was frequently employed in surveying, measuring, and mapping gentlemen's estates, as evidently appears from the several draughts by him drawn and to be met with in almost every county in England." D.N.B. XI. 1087 remarks that the author "is said to have begun life as a printer," and it will be noticed that this volume was printed by R. & W. Leybourne. The D.N.B. says his works are "clear and attractive in style."

123 **MILNER** (Isaac, *Mathematician and Divine*, 1750-1820) **2 A.L.s.**, 3 $\frac{3}{4}$  pp. folio, 2 $\frac{1}{2}$  pp. 4to, advising bookseller that Vol. 5 of his "History of the Church" will be ready in a few days. "I have to look over it and to see if there is any remarkable errata," and giving instructions about the publication. *Queen's College Lodge, Cambridge 1809*

asking bookseller to send several copies "of my Brother's Sermons to my friend Mr. Wilberforce," who "is now returned with his family," and a list of people to receive copies, among which are Countess of Waldegrave, Mr. and Mrs. Henry Thornton, etc., and giving instructions about the Advertisement. **£1 0 0**

\*. William Wilberforce was an intimate friend of Milner, under whose influence he adopted strict religious views.—D.N.B.

124 **MONALDI** (Guiseppe Ant.) **PRATICA DI GEOMETRIA** in carta e campo. Per i[n]sruzione della Nobile Gioventii. 12mo, engraved frontispiece by Gallimard after Lelorrain, oval engraving on title and eighty-two other plates, vellum. **15/-** *Venanzio Monaldini: Roma 1761*

125 **MONGE** (Gaspard, *Ministre de la Marine, Creator of descriptive geometry applied to military art*, 1740-1823) **L.s.**, 1 p., 4to, to Pache (Minister for War), concerning the identification of "le Citoyen Jean Bouquin," a deserter from the 88th regiment of Infantry. With typewritten transcript. **15/-** *Paris: 15 January, 1793*

126 **MOORE** (Sir Jonas) **A MATHEMATICAL COMPENDIUM**: or, Useful Practices in Arithmetick, Geometry and Astronomy, Geography and Navigation, Embattelling and Quartering of Armies, Fortification and Gunnery, Gauging and Dialling; explaining the Logarithms, with new Indices; Nepair's Rods or Bones [etc.]. 16mo, folding plate, contemporary calf, with one leaf of advertisements at end, with book ticket of Erasmus Head, M.A., Prebendary of Carlisle. **10/-**

*For Robert Harford: London 1681*

MATHEMATICS—*continued.*

127 **MUNSTER** (Sebastian) **RUDIMENTA MATHEMATICA.** Haec in duos digeruntur libros, quorum prior geometriae tradit principia seu prima elementa, una cum rerum et variarum figurarum dimensionibus. Posterior vero omnigenum horologiorum docet delineationes, autore Sebastiano Munstero. [Woodcut.] Folio, numerous mathematical diagrams, device at end, title leaf slightly soiled and frayed, a few stains, old sheep, r.e. **£5 0 0** *Henricus Petrus: Basle, March, 1551*

\*. Lacks a6, a blank leaf.

128 **NAPIER** (John) **RADDOLOGIA, overo, Arimmetica virgolare** in due libri divisa; con appresso un' expeditissimo prontuario della molteplicazione, e poi un libro di Arimmetica locale: quella mirabilmente commoda, anzi utillissima à chi, che Tratte numeri alti [etc.]. Tradottore il Cavalier Marco Locatello. 12mo, folding diagrams, contemporary calf with Arms. **£15 0 0** *Angelo Tamo: Verona 1623*

\*. Bound with another book.

129 [**NAPIER** (John)] **THE ART OF NUMBERING BY SPEAKING-RODS:** vulgarly termed Nepeirs bones. By which the most difficult parts of arithmetick, as multiplication, division, and extracting of roots both square and cube, are performed with incredible celerity and exactness (without any charge to the memory) by addition and subtraction only. Published by W. L. 16mo (4 $\frac{1}{8}$  by 2 $\frac{7}{8}$  in.), **first edition** (A6 B-D12 E10) A1 and E10, blanks, folding diagram. Dark polished calf. **£20 0 0**

*For W[alter] Hayes: London 1667*

\*. Plomer, *Dicty. of Printers*, 1668-1725, p. 150. The earliest date quoted by Mr. Plomer for this publisher is 1673. *Brit. Mus. Gen. Cat.* "N.," vol. II., p. 189. Edited by William Leybourn.

130 **NORWOOD** (Richard) **TRIGONOMETRIE:** or the doctrine of triangles: divided into two bookes: the first shewing the mensuration of right lined triangles: the second of sphericall: with the grounds and demonstrations thereof. Both performed by that late and excellent invention of logarithmes, after a more easie and compendious manner, than hath been formerly taught. Whereunto is annexed (chiefly for the use of SEAMEN,) a treatise of the application thereof in the three principall kindes of sailing; with certaine necessary tables used in navigation. Sm. 4to, **first edition**, 4 ll., 129 pp., 1 p., 90 ll. (including one of errata), original limp vellum, with ties (two missing). **FINE UNPRESSED COPY IN THE ORIGINAL STATE.** **£38 0 0** *William Jones: London 1631*

\*. **VERY RARE.**

131 **PHILPOTT** (Thomas, *d.* 1682) **AN HISTORICAL DISCOURSE OF THE FIRST INVENTION OF NAVIGATION.** And the Additional Improvements of it. Likewise some Reflections upon the name and Office of Admiral, to which is added a Catalogue of those Persons that have been from the first institution Dignified with that Office. Sm. 4to, **first edition**, half olive calf. **£1 10 0** *W. Godbid for W. Fisher: London 1651*

\*. Dedicated to Sir Francis Prújean in the year he was knighted.

MATHEMATICS—*continued.*

132 **PRINCIPES DE L'ARITHMETIQUE.** PRINCIPES DE GEOMETRIE NECESSAIRES A L'ARCHITECTURE MILITAIRE, VULGAIREMENT APPELEE FORTIFICATION. PRINCIPES DE PERSPECTIVE. Folio, *Manuscript on paper*, about 90 leaves in a running hand, with geometrical designs, old vellum. £7 0 0 18th Cent.

133 **RATHBONE** (Aaron) **THE SURVEYOR.** Small folio, some leaves water-stained and a few margins frayed, fine engraved title by WILLIAM HOLE, portrait of Charles I. as Prince of Wales by DELARAM and of the author by SIMON DE PASSE, numerous woodcut diagrams and initials, stained, boards. £2 2 0 *W. Stansby by W. Burre: London 1616*

\*. Lowndes 2052.

134 **SIMPSON** (Thomas, 1710-1761) **THE DOCTRINE AND APPLICATION OF FLUXIONS.** 2 vol., 8vo, old calf. £1 0 0

*For J. Nourse: London 1750*

\*. D.N.B. XVIII. 279a. The above book was the work of a Spitalfields weaver who studied and taught mathematics in his spare time.

135 **STONEY** (George Johnstone, *Mathematical Physicist*, 1826-1911) **A.L.S.**, 4 pp., 8vo, to E. W. Cooke, thanking him for some slides sent, which "will add very much to the interest of my paper." 5/-

*8, Upper Hornsey Rise, N.: 11 June, 1895*

136 [**TAGLIENTE** (Girolamo) and Others] **OPERA CHE INSEGNA A FARE OGNI RAGIONE DE' MERCATIA**, et apertegare le Terre con Arte geometrical intitolata, Componimeto di Arithmetica. Con Gratia Preuilegio (*sic*). 12mo (5 $\frac{9}{16}$  by 3 $\frac{7}{8}$  in.), xylographically printed title-page (white on black ground), woodcut on reverse of title-page (two merchants in a counting-house), numerous woodcuts and diagrams, printed in **Gothic letter**, old vellum, with the book-plate of E. MARION COX. £23 0 0

[*Without name of printer*]: Venice, M.D.XXV. (1525)

\*. Collation: A-Z in fours. Description: A1a: Title-page; A1b: full-page woodcut; A2: A1 benigno lettore Hieronymo Tagliente; A3a-Z3b: Text; Z4: blank (lacking in this copy). There are two editions dated 1525 one being a close reprint of the other, and both in the same Gothic letter and with the same woodcuts. The similarity and scarcity of these editions is probably the reason why (so far as we are aware) they have never been differentiated. We have not been able to give them a sufficiently close examination to decide which is the earlier, but have provisionally denominated them 1525 (a) 1525 (b). Every page presents some small point of difference, but we have chosen as an easy means of differentiation the woodcut border of signature B3b which in (a) is a border of Arabic knots (white on a black ground) and in (b) a floral border (black on a white ground). The volume described above is of the (a) edition, the edition in the British Museum is (b) (Pressmark 1392, a, 13). According to the British Museum Catalogue Tagliente was assisted by A. Dalla Fantana, and according to Cicogna and Mr. Smith by Giannantonio Tagliente, his relative. According to Cicogna "Il terzo libro contiene una Tariffa di monete e pesi sutili e grossi di Venetia, et come li diti pesci di Venetia sotili e grossi rispondano in molte citta del mondo." Mr. Smith describes the volume: "The book opens with a brief treatment of notation and finger symbols. Then follow in order the multiplication table, the proof of sevens, various methods of multiplication, division by the

MATHEMATICS—*continued.*

galley method, addition chiefly of denominate numbers, subtraction, the operations with fractions in the same order, exchange, rule of three, and applied problems. There are numerous interesting woodcuts, and such familiar problems as those of the couriers, the testament, and the sale of eggs are given with illustrations. In spite of the arrangement of topics, there were few text books so influential as this in shaping the subsequent teaching of arithmetic."

Not in the British Museum, Ministero del Tesoro, Elenco Cronologico delle Opere di Computisteria, De Morgan, Arithmetical Books, or Panzer. *Annales Typographici*. Riccardi, *Bib. Math. Ital.*, 1, 2, 490. Cicogna, *Bib. Venez.* No. 1511, Smith, *Rara Arithmetica* pp. 114-115.

137 TARTAGLIA (Nic.) LA NOVA SCIENTIA. 4to, large (nearly full-page) woodcut on title (which is a little defective), depicting the Arts in an enclosure, the door of which is guarded by Euclid; many other woodcut diagrams and other illustrations in the text. 15/-

*Stampata in Venetia per Nicolo de Bascarini a istantia de l'Autore*  
(Venice) 1550

\*. Not in Brunet or Biog. Univ. Printed in fine italic type throughout.

138 TUNSTALL (Cuthbert) DE ARTE SUPPUTANDI LIBRI QUATUOR, Cutheberti Tonstalli. [Device], 4to (8 by 5½ in.), Roman letter, 259 pp. (a-p 8 q 10). Contemporary calf. £10 10 0

*Robert Estienne: Paris, October 16, 1538*

\*. Cooper, *Ath. Cantab.*, I. 202, 2. The first edition, printed by Pynson, was the first book on arithmetic published in England. Karlake, *Notes from Sotheby's*, p. 366, speaking of the 1529 edition: "In the preliminary epistle to SIR THOMAS MORE [which also occurs in this edition] Tunstall gives a curious account of the origin of this work. It seems that, in his dealings with certain goldsmiths or silversmiths, he suspected that the accounts were fraudulently prepared, and therefore he made a special study of the forgotten science of his boyhood—arithmetic—in order to be able to check their figures. The result of his labours was a book for his own use, which, on being appointed Bishop of London, he considered worthy of being printed for the use of others." Lowndes, 2719. Allibone, 2473, 2. Watt, 618u. *Dict. Nat. Biog.*, xix., 1241, 1. *Brit. Mus. Gen. Cat.*, "T." xxxix, 192. De Morgan, *Arithmetical books*, p. 13, who, however, does not mention this edition: "This book is a farewell to the sciences, on the author's appointment to the See of London (see the preface): it [the first edition of 1522], was published (that is, the colophon is dated) on the 14th of October, and on the 19th, the consecration took place. This book is decidedly the most classical which ever was written on the subject in Latin, both in purity of style and goodness of matter."

139 WELPER (Eberhard) ELEMENTA GEOMETRICA. Sm. 4to, first edition, title printed in red and black, woodcut initials and ornaments, errata leaf, and 32 copperplates of diagrams, old vellum. 15/-

*Eberhard Welper: Strassburg 1630*

\*. Watt. *Bibliotheca Britannica*, Vol. II., Col. 957i.

140 WILSON (Henry) LEYBOURN'S DIALLING IMPROV'D: or, the whole art perform'd. I. Geometrically . . . II. Arithmetically. . . Corrected and improv'd by Charles Leadbetter. Sm. 8vo, engraved plates, sprinkled calf, gold line border on sides. 15/-

*H. Parker for A. Bettesworth: London 1728*



## METEOROLOGY.

141 **BACON** (Sir Francis, *Viscount St. Albans*) **HISTORIA NATURALIS ET EXPERIMENTALIS DE VENTIS**, etc. 12mo, engraved title, original calf. 15/- *Francis Hackius: Lugd. Bat. 1648*

\*. Referred to by Willems in his account of the first Elzevir edition (1277).

142 **LICETUS** (Fortunius) **PYRONARCHA**, sive de fulminum natura, deque februm origine libri duo: in quibus et fulminum in mundo magno, et februm in mundo parvo caussae naturales omnes, modus originis, idea, propnetates, differentiae ac effectus admirabiles accurate tractantur. Diligenter explicato vetere Grypho Pyronarchae, a Coelio Igtano inter flores medicos descripto. Sm. 4to, 4 ll., 126 pp., 6 ll., contemporary limp boards, uncut, some leaves unopened. £1 10 0 *Crivellarius: Padua 1634*

\*. Not in Watt or Brunet.

143 **MAIRAN** (Jean Jacques Dortous de) **TRAITE PHYSIQUE ET HISTORIQUE DE L'AURORE BOREALE**. Suite des Mémoires de l'Académie Royale des Sciences. Année 1731. 4to, 4 ll., 281 pp., 15 plates, contemporary French calf, FINE COPY. £1 15 0

*Imprimerie Royale: Paris 1733*

144 **MIZAUD** (Antoine) **PHAENOMENA**, sive aeriae ephemerides [*and*] meteorologia, sive rerum aeriaram commentariolus. 2 works in 1 vol., 12mo, old calf rebaked, with Arms on side. £3 15 0

*R. Calderius: Paris 1546-7*

\*. Inscription on title: Ex bibliotheca S. Coucis Parisiensis (*sic*) 1624. An early book on weather forecasting.

145 **NOTES DIVERSES** [principally barometrical] pour Voyages. Extraits de differens Auteurs—Observationes Barometricae. *Mexico 1826-7*—Calculo de Altura Barometrico. *Domingo, 11 Feb., 1827*—Temperature de l'Air. **Manuscript**, with diagrams, sm. 4to, from the Phillipps collection. £2 12 6

146 **OERTEL** (Gottlob Friedrich) **SICCITAS ANNI SUPERIORIS 1766 et aquarum diminutio insolita**. Sm. 4to. 10/-

*Carolus Christianus Dürrius: Wittenberg [1767]*

\*. Not in the British Museum. On the unusual DROUGHT of 1766.

147 **PISTOI** (C.) **DEL MECCANISMO COL QUALE L'ARIA, E IL FUOCO ELEMENTARE si fissano nei miste, e diventano Principi Costitutivi di quei Corpi, nei quali si Trovano**. 8vo, boards, calf back. 7/6

*V. P. Carli: Siena 1775*

METEOROLOGY—*continued.*

148 **STRANGE NEWS FROM FRANCE**, being two letters . . . giving an account of the late extraordinary tempest that lately hapned there [Blois], accompanied with hail-stones as big as a man's fist, whereby two churches and several houses were lamentably beat down, many others lamentably shatter'd, the slates and windows throughout the town batter'd to pieces, and all the corn and vines in eight parishes utterly destroyed; to the damage of two hundred thousand crowns and upwards. Sm. 4to, 8 pp., half calf, padded with blanks. **£3 0 0** *For L. C.: London 1678*

\*\* An interesting meteorological tract.

149 **STRANGE (A) RELATION OF THE SUDDAIN AND VIOLENT TEMPEST**, which happened at Oxford, May 31, Anno Domini, 1682. Together with an enquiry into the probable cause and usual consequents of such like tempests and storms. [Ornament.] Sm. 4to, modern vellum, outer and lower edges uncut. Fine copy. **£6 0 0**

*For Richard Sherlock: Oxford 1682*

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**PHYSICS.**

150 **ABRAHAM** (Johann Friedrich) **DISSERTATIO PHYSICA DE CAUSSA PELLUCIDITATIS**. Sm. 4to. **£1 5 0** *Hendel: Halle [1744]*

\*\* Not in the British Museum or Bibliothèque Nationale Catalogue. On **TRANSPARENCY** and its cause.

151 **BOYLE** (Robert) **HYDROSTATICAL PARADOXES**, made out by new experiments, (for the most part physical and easie). 12mo, 16 ll., 247 pp., three folding plates, modern calf. **£2 15 0**

*William Hall for Richard Davis: Oxford 1666*

152 **BREWSTER** (Sir David, *Natural Philosopher, Editor of Edinburgh magazine, invented kaleidoscope, 1781-1868*) **A.L.s.**, 3¼ pp., 8vo, to Lady Shelley, informing her of his approaching marriage. **15/-**

*Hotel Chamain, March 20th, 1857*

\*\* "When you said to me some time ago that you did not think it wise in persons of my age to marry I was, and am still, of that opinion, viewing it as a general rule; but there are exceptional cases, and mine is certainly one of them. . . ." He was greatly in need of someone to take his daughter's place in helping and sympathising with his work.

153 **DAVY** (Sir Humphrey, Bart., *Natural Philosopher, invented safety lamp, 1778-1829*) **A.L.s.**, 2 pp., 8vo. To William Kerr, with whom he is arranging an appointment to give him particulars concerning Dr. Kerr. **£1 10 0** *Waterloo Hotel, Regent Bridge [1821]*

PHYSICS—*continued.*

154 **DAVY** (Sir Humphrey) **FARADAY** (Mrs., *née* Sarah Barnard, married Michael Faraday, celebrated natural philosopher and assistant to Sir Humphrey Davy in 1820) **A.L.s.**, 2 pp., 8vo, in 3rd pers., to Lady Davy: "Though well aware of the ties by feeling and gratitude which bind her husband to the memory of Sir Humphrey Davy and in which as a wife she is partaken, still Mrs. Faraday was hardly prepared for so kind an expression of a corresponding feeling from Lady Davy." [etc., etc.] **£1 2 6**

Brighton: Decr. 6th, 1843

\*. It is no wonder that Mrs. Faraday was surprised at Lady Davy's unexpected kindness, for it was the latter who treated Michael Faraday when with Sir Humphrey Davy "as a menial, and his fiery spirit so chafed under this treatment that he was frequently on the point of returning home."—D.N.B. Lady Davy has endorsed the letter on the back: "Mrs. Faraday 1843, a beautiful note."

155 **DEUSING** (Anton) **DISQUISITIO PHYSICOMATHEMATICA** Gemina, De Vacuo, Itemque De Attractione quibus probatur, nullum in Rerum Natura dari, vel posse dari Vacuum; ipsaque Experimenta variorum, pro vacuo probando hactenus afferri solita, expenduntur ac refelluntur; ostenditurque non Pulsione duntaxat, sed et Tractione in Rerum Natura fieri motum. **First edition.** Petrus van den Berge: Amsterdam 1661. [Poggendorf. *Biog. Lit. Handwörterb. z. Gesch. d. exacten. Wissenschaften.* I. 565.] **DEUSING** (A.) **OECONOMUS CORPORIS ANIMALIS:** ac Speciatim De Ortu Animae Humanae Dissertatio. In qua demonstratur, non esse Homini simpliciter impossibile, per naturale Intellectus Lumen seipsum nosse. Johann Coellen: Groeningen, 1661. [Watt 300 n.] 2 works in 1 vol., contemporary English blind panelled calf. **FINE COPY. £2 0 0** 1661

\*. Chapters on the thermometer, barometer, in the first essay.

156 **GROVE** (Sir William Robert, *Man of Science and Judge*, 1811-1896) **2 A.L.s.**, 6 pp., 8vo, to Monsieur du Moncel, thanking him for hospitality at his château, describing his journey home, and discussing the mode of producing heat in an iron bar by the rotation in front of it of a permanent steel magnet, *Etretat*, 1855, concerning an investment in ground rents, 1888. **15/-**

157 **KIRCHER** (Athanasius) **MAGNES:** sive, De Arte Magnetica, quo praeterquam quod Universa Magnetis Natura, ejusque in omnibus Artibus et Scientiis Usus nova methodo explicetur, è viribus quoque et prodigiosis effectibus magneticarum, aliarumque abditarum naturae motionum in Elementis, Lapidibus, Plantis et Animalibus elucescentium, multa hucusque incognita Naturae Arcana per physica, medica, chymica, et mathematica omnis Generis Experimenta recluduntur. Sm. 4to, engraved frontispiece, consisting of an heraldic device and a view of Cologne (?), numerous interesting woodcuts and plates, some folding, old citron morocco, gilt 3-fillet borders on sides, full gilt back, gilt interior borders, **FINE COPY, rare. £4 10 0** Jodocus Kalcoven: Cologne 1643

\*. [28] + 797 + [37 pp.] = 431 leaves. "Ce traité du magnétisme contient beaucoup de choses frivoles. On trouve, livre iii., la figure de la tarentule, avec les airs [i.e. charms with words and musical notation] qu'on croyait propres à guérir la morsure de cet insecte." *Biographie Universelle* xxii. 441.

PHYSICS—*continued.*

158 **LAPOSTOLLE** (—) *TRAITÉ DES PARAFONDRES* et des Paragrêles en cordes de paille, précédé d'une météorologie électrique; présentée sous un nouveau jour, et terminée par l'analyse de la bouteille de Leyde. 8vo, LITHOGRAPHIC folding plate showing a town protected by lightning-conductors. In a contemporary binding of red morocco, foreign royal Arms on sides (spread eagle bearing a shield with initials "G.F." within gold border on sides, gilt back, g.e. £4 0 0 *Caron-Vitet: Amiens 1820*

\*. A rare and early work on lightning-conductors, etc.

159 **LODGE** (Oliver, *Physicist*) *A.L.s.*, 2 pp., 8vo, written in pencil, giving the names of Dr. Milne Bramwell and Dr. Lloyd Tuckey as specializing in healing and suggestive hypnotism—the former "one who has been remarkably successful in suspending pain during an operation." £1 0 0

160 **LUCRETIUS CARUS** (Titus) *DE RERUM NATURA* libri Sex, ad Postremam Oberti Gifanii Ic. emendationem accuratissime restituti. Plantin device on title. 8vo, vellum, a trifle soiled. 15/-

*Franciscus Raphelengius: Lugduni Batavorum 1595*

\*. Contains a vague conception of the atomic theory.

161 **LUCRETIUS CARUS** (Titus) *DE RERUM NATURA LIBRI SEX.* 12mo, "Solitaire" device on title, engraved headpieces, frontispiece and five plates (should be six) by DUFLOS, red morocco, triple gold lines on sides, gilt back, g.e., by LARKINS. 15/- *J. Barbou: Paris 1754*

\*. Cohen-De Ricci 664, "Très jolies figures."

162 **LUCRETIUS CARUS** (Titus) *DELLA NATURA DELLE COSE LIBRI SEI.* Tradotte dal Latino in Italiano da Alessandro Marchetti. 8vo, engraved titles, frontispieces, plates and vignettes by LE MIRE, SORNIQUE, etc., after EISEN, COCHIN, etc.; 2 vol. in 1, red crushed morocco, gilt line borders and blind panels on sides, gilt edges of boards and inside dentelles, gilt back, g.e., gilt star end papers, FINE LARGE COPY. £12 0 0

*In Amsterdamo à Spese dell' Editore [Paris] 1754*

\*. [4] + 543 pp. + 2 title-pages + 2 fronts. + 6 plates. Cohen-De-Ricci, 665-666. "Les illustrations de ce livre sont fort belles." This copy is on "papier de Hollande."

163 **LUCRETIUS CARUS** (Titus) *RE RERUM NATURA* libri sex. 12mo, some Greek on verso of M, and recto of M2, contemporary speckled calf, gilt back. £1 18 0

*Typis Joannis Baskerville: Birminghamiae 1773*

\*. Straus and Dent 104, but they do not note the inaccurate pagination, which runs to 214 only, for 220 pages of text, thus: 1—131, 128—214.

164 **MAERKLIN** (Johann Friedrich) *DISPUTATIO PHYSICA DE INTENSITATE LUCIS.* Sm. 4to. 10/- *Erhard: Tubingen [1754]*

\*. Not in the British Museum.

PHYSICS—*continued.*

165 **MARTIN** (B.) AN ESSAY ON VISUAL GLASSES (vulgarly called spectacles). 8vo, one folding plate, wrapper. 15/-

*For the Author: London 1757*

166 **NOLLET** (Jean Antoine) ESSAI SUR L'ÉLECTRICITÉ DES CORPS. 12mo, **first edition**, five plates, some folding, some leaves wormed, original marbled wrappers, uncut. £1 0 0 *Gu rin frères: Paris 1746*

\*. Jöcher-Adelung, v., 788. Not in Brunet; the earliest edition quoted by the *Nouvelle Biographie Générale* is that of 1747, and the earliest by the *Biographie Universelle*, 1750. Jöches gives 218 pp.: this copy has 228.

167 **NOVELLINO** (Philippus de) ELEMENTA PHYLOSOPHIAE (sic) CARTESIANAE. Sm. 4to, UNPUBLISHED MANUSCRIPT on paper, about 400 pages, written in a running hand, with diagrams, old vellum. £1 5 0 1730

\*. Chapters on Rarefaction and Condensation, Vacuum, Fossils, Magnet, Spontaneous Generation, etc., etc.

168 **PORTA** (J. B.) DEI MIRACOLI ET MARAVIGLIOSI effetti dalla natura prodotti libri IIII. Sm. 8vo, device on title, Italic letter, original limp vellum, some leaves slightly browned. £1 2 6

*Valerio Bonelli: Venetia 1579*

169 **PORTA** (Joh. Bapt.) MAGIAE NATURALIS LIBRI VIGINTI. 12mo, curious engraved frontispiece and a large number of woodcuts in the text, contemporary vellum. £2 0 0 *P. Leffen: Leyden 1651*

\*. "Parmi beaucoup de faits puérils et de secrets ridicules . . . on y trouve une foule d'observations intéressantes sur la lumière, les miroirs, les lunettes, dont Porta a perfectionné la fabrication; sur les feux d'artifice, la statique, la mécanique, etc."—*Biog. Univ.*

170 **PRIESTLEY** (Joseph, *Theologian and Scientist, 1733-1804*) A.L.s., 1½ pp., 4to, concerning his correspondent's publication, and referring to a publication of his own. 8/6 *Clapton: Oct. 16, 1792*

171 **PRIESTLEY** (Joseph) A.L.s., 1 p., 4to, to Doctor Mitchill, Professor of Chemistry, New York, inviting him to visit England; says he is sending an account of "other experiments." 7/6 *Northumberland 1799*

### With the Arms of Cardinal Ursino.

172 **STRADA** (Famianus) PROLVSIONES ACADEMICAË. 4to (9 by 6½ in.), engraved title, including full-length figures of Oratory, History, and Poetry by H. G., woodcut initials, contemporary red morocco, elaborate corners, gold-tooled on sides, containing figures springing from branches and roses, in centre the ARMS OF CARDINAL ALEXANDRA URSINO, impressed in gold, on the back roses in gold, bookplate of the Rt. Hon. the Lord Lynne, 1734. £25 0 0 *Romæ 1617*

\*. THE EARLIEST BOOK IN THE LITERATURE OF THE ELECTRIC TELEGRAPH. At p. 351 we have a passage of extraordinary interest to the student of scientific history: it occurs in the course of a lecture on poetic style and on the imitation of the ancient

PHYSICS—*continued.*STRADA—*continued,*

poets; the author gives several examples (presumably of his own composition), one of which is an imitation of Lucretius, and the subject magnetism. After commenting on the peculiar properties of the lode-stone, and its power of magnetising needles, so that they always face north and south, and on the influence of one magnetised needle on another, he continues (translation):—

“So that if one [needle] be moved in Rome, the other, although far distant, is constrained by the secret forces of nature to respond. Therefore it follows, if you want to communicate with a distant friend, to whom it is impossible to send a letter; take a large disc, and mark round the edge the letters of the alphabet; in the middle place a magnetised needle, in such a way that it is possible to turn it to any letter required. Then make another like it, also furnished with an iron pointer which has been magnetised, and let your friend take it away with him, having first arranged the time for the experiment. Having done this, all you have to do in order to communicate with your friend in secrecy, though he be many miles away, is to point the needle to the letters which make up the words of your message; and in a miraculous way your friend's pointer will of itself revolve and point to the identical letters.” The above is a compressed paraphrase (avoiding poetical circumlocutions).

It may be permitted to formulate a theory as to how this preposterous idea came to be published. We will assume that Strada had a scientific friend, who, having read Gilbert, and as the result of some elementary experiments, conceived in a dim way the electric telegraph. Also that he communicated these ideas to our author, who thought them suitable for an imitation of Lucretius: but not being a scientist was untroubled by a love of accuracy or probability. (See Timbs' *Wonderful Inventions*, p. 341.)

173 STRADA (Famianus) PROLUSIONES ACADEMICAE: seu orationes variae ad facultatem oratoriam, historicam, poeticam spectantes. Editio tertia. 12mo, 481 pp., 15 pp., contemporary calf, FINE COPY, with the bookplate of Algernon Capel, Earl of Essex, dated 1701. £18 0 0  
*Johann Kinck: Cologne 1625*

174 TYNDALL (John, *Natural Philosopher*, 1820-1893) A.L.s., 1 p., 8vo, acknowledging an honour bestowed by the Temple Club. 5/-

*30 December, 1873*

175 TYNDALL (John) A.L.s., 1½ pp., 8vo, declining to join a committee. 5/-  
*Royal Institution: 17 January, 1874*

176 WINKLER (Johann Heinrich) DE COMMERCIO LUMINIS BOREALIS CUM ACU MAGNETICA. Sm. 4to. £3 5 0

*Breitkopf: Leipzig [1767]*

\*. RARE. Not in the British Museum. An essay on the effect of the aurora borealis on the magnetic needle—a contribution to the literature of MAGNETIC STORMS.

## BIOLOGICAL SCIENCES.

## AUTOGRAPH LETTERS AND MANUSCRIPTS.

177 ALDERSON (John, *Physician*, 1757-1829) A.L.s., 3 pp., 4to, to John S. Richards respecting property at Dereham. 8/- 19 October, 1812

178 ALIBERT (Jean Louis, *Physician, specialist in dermatology*, 1766-1837) A.L.s., 1 p., 4to, to Dr. Tartara asking for his plans as to the new amphitheatre, Rue St. Victor, and the hours he proposes to lecture. He has prepared a note "Sur une maladie cutanée nouvelle" for the first number of the "Journal of the *Société Médicale d'Emulation*." 15/-

N.D. Circa 1800

179 ALLEN (William, *Quaker, Scientist and Philanthropist*, 1770-1843) A.L.s., 3 pp., 4to, to Basil Montagu, legal and miscellaneous writer, intimate with Coleridge and Wordsworth at Cambridge, thanking him for some proof sent which "thou favoured me with and think the publication cannot fail of being highly useful." The rest of the letter is devoted to the subject of the definition of *Truth*, about which there had been a difference of opinion between the writer and correspondent. The writer contends that in no way is it "allowable to depart from Truth to answer particular purposes." £1 0 0 Sandgate: 30th of 8th Month, 1808

180 ANDERSON (Elizabeth Garrett, *Physician*) A.L.s., 4 pp., 8vo, to E. Hart, asking for particulars of an advertisement that was supposed to have been published mentioning the names of the medical staff of a hospital. 10/- 20, Upper Berkeley Street, W. (No date)

\*. Miss Anderson was one of the first women medical practitioners in England.

181 AVEBURY (Lord, John Lubbock) 5 A.L.s., 3½ pp., 8vo, thanking correspondent for his valuable contribution to the discussion; acknowledging some letters from his great great uncle to Mr. Wedgwood. 15/-

15, Lombard St.: July, 1867

St. James' Square: 7 Sept., 1901, High Elms, Hayes, Kent

182 BANKS (Sir Joseph, *Naturalist and Philosopher*, 1743-1820) A.L.s., 1½ pp., 8vo, and signature. "I last night exhibited your little faggot to my geological friends. Some of them quiss'd it and said . . . it is only a piece of a broom; others, however, with Sir Humphrey Davy at their head, acknowledged it as an additional proof that coal has its origines in wood, and at the same time acknowledged that they had never before seen twigs of so small a size convert into coal . . ." £1 0 0

Soho Square: Nov. 24, 1817

183 BANTING (William, *Writer on Corpulence*, 1797-1878) A.L.s., 2 pp., 8vo, to Mrs. Tayloe, in answer to enquiries for votes for the Infant Orphan Asylum. £1 0 0 4, The Terrace, Kensington, 16th Dec., 1867

\*. The verb "to bant" owes its origin to William Banting, the first great advocate for dieting to reduce corpulence.

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

184 **BARRINGTON** (Daines, *Lawyer, Antiquary and Naturalist*, 1727-1800) A.L.s., 1 $\frac{3}{4}$  pp., 8vo, to Rev. Dr. Percy. "I called yesterday upon Dr. Owen and read to him what I troubled you with the other day. . . . I shall therefore now most boldly address you as F.S.A. on the subject. . . . ." Etc. 10/- n.d.

185 **BELL** (Thomas, *Dental Surgeon*, 1792-1880) A.L.s., 2 pp., 8vo, to W. Cooke, inviting him to Selborne. 7/6  
*The Nukes, Selborne, Alton, Hants*

186 **BOURDOIS DE LA MOTHE** (Edme Joachim, *Physician to Louis XVIII and Charles X., Inspector of Military Hospitals*, 1754-1830) A.L.s., 2 pp., folio, to Comte Daru, Minister of State, expressing his desire for the decoration of the legion d'honneur in preference to arrears of salary estimated by Comte Cessac (Daru's predecessor) at 357.75.; says he will serve willingly in any of the military hospitals. With typewritten transcript. 18/-  
*Joigny: 8 September, 1813*

187 **BOYER** (Alexis, Baron, *Surgeon to Napoleon and Louis XVIII.*, 1757-1833) A.L.s., 1 p., 4to, in reference to a publication of a collection of Surgeons' and Physicians' reports of various cases at the hospitals, promising his co-operation and that of Augustin Roux, who will send facts about the most interesting diseases treated by him. With typewritten transcript. £1 10 0  
*Paris, 8 November, 1815*

188 **BREUGNE** (Médecin de l'Armée) A.L.s.,  $\frac{1}{2}$  p., 4to, to Scitivaux, Payeur Général, asking for payment of his salary. 7/6  
*Brescia, 26 Messidor An IX, 15 July, 1801*

189 **CABANIS** (Pierre Jean George, *Philosopher, Author and Physician*, 1757-1808) A.L.s., 1 p., 4to, to Pelissier (Physician) promising to do all that lies in his power to assuage his moral and physical sufferings; he has applied to Berthier, Boulay de la Meurthe, Goulhot and Lacuée. With typewritten transcript. 12/6  
*Auteuil, 11 November, 1804*

190 **CASAMARTE** (S., *Médecin de 2<sup>e</sup> Classe à l'Armée d'Italie*) A.L.s., 1 p., 4to, to Citoyen Scitiveau Payeur Général, asking for payment of his salary, which had been refused by the Payeur de la Guerre. 7/6  
*Paris, 28 Thermidor An IX, 16 August, 1801*

191 **CORVISART** (Jean Nicolas, Baron, *Physician to Napoleon*, 1755-1821) **Autograph prescription**, probably for someone suffering from a malarial fever—an emetic of Epsom Salts and further emetic followed by quinine. £1 8 0 [N.Y.]



BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

192 **CORVISART-DESMARETS** (Jean Nicholas, Baron, *Physician to Napoleon, 1755-1821*) A.L.s., 2 pp., 4to, to "Monsieur le Baron" concerning the illness of the Queen of Spain, who is suffering acutely from erysipelas which is causing the writer some anxiety (he is visiting her three times a day). He describes her symptoms in full. Mention is also made of two other cases and their symptoms. £1 6 0 Paris, 18 June, 1812

\*. A splendid letter of medical interest.

193 **CORVISART.** A.L.s., 2 pp., 4to, to "Monsieur le Baron," speaking affectionately of Napoleon, whom he says is in excellent health. With typewritten transcript. £1 1 0 La Garenne de Colombes, 19 July, 1813

194 **CUVIER** (G. C. L. F. D., Baron, *Philosopher, Statesman and Author, One of the Perpetual Secretaries of the Physical Science and Mathematical Class of National Institute, 1769-1832*) A.L.s., 1 p., 4to, vign. printed heading, to Leon Gautier, thanking him for two models sent, which he will have pleasure in presenting to his class. With typewritten transcript. 18/- 21 October, 1804

195 **DESGENETTES.** A.L.s. (initials), 1 p., folio, to Citoyen Marcel Directeur de L'Imprimerie National, au Caire, sending a list of corrections, and asking when the proof will be ready, and if the binder has stitched the memoirs. £1 5 0 Cairo: 3 Jour Complementaire An VIII, 20 Sept., 1800

\*. Jean Joseph Marcel, the orientalist and historian, was sent to Egypt as a member of the scientific commission, and afterwards appointed one of the editors of the "Description of Egypt."

196 **DESGENETTES.** A.L.s., 3 pp., folio, to his friend and "ancien Confrère l'Egyptn.," Citoyen Ripault. "J'ai vu dans les Moniteurs le rapport où comme un autre redige avant qu'il perdit les yeux vous nous avez déduit le fait des monumens, peintures et hieroglyphes de la Haute Egypte. Notre vénérable collègue le Gal Dugua a aussi dit son mot sur la Pierre de Rosetta. Vous avez intéressé tout le monde . . ." Speaks of the pleasure of receiving the *Décade* and *Courier* ("qui marche toujours avec une sage lenteur") and of his longing to return to Paris and live in peace, "après tout ce que, j'endure depuis près de trois ans" . . . Says "les nouvelles de France" have altered his character. With typewritten transcript. £3 15 0 Cairo: 9 Frimaire An IX, 30 November, 1800

\*. A fine letter. These articles of Ripault's in the *Moniteur* were afterwards expanded and published in a volume, entitled "Description abrégée des principaux monuments de la Haute Egypte." He was a member of the scientific commission of Egypt in 1798. The Rosetta stone, by means of which Champollion was first enabled to decipher the Egyptian hieroglyphics, fell into the hands of the English on the capitulation of the French, and is now in the British Museum.

197 **DESGENETTES** (René Nicolas Dufriche, Baron, *Physician-in-Chief Armée d'Orient, 1762-1837*) A.L.s. (initials), 3rd person, ½-p., folio, to Citoyen Mareck, giving editorial directions as to the obituary notices, sick list, etc. £1 2 0 Cairo: 3 Thermidor An VIII 22 July, 1800

\*. Desgenettes acted for a time as Editor of the "Courier d'Egypte."

BIOLOGICAL SCIENCES : AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

198 **DESGENETTES** (Nicolas René Dufriche, *Baron, Physician, 1762-1837*) **A.L.s.**, 1 p., folio, to Directeur Ministre, complaining that sick soldiers arrive at the hospital from l'Abbaye, horribly drunk, and urging stricter measures to prevent this. 18/- *Paris, 26 April, 1805*

\*. With typewritten transcript.

199 **DESGENETTES.** **L.s.**, 1 p., 4to, suggesting that a substitute should be found for one of the medical officers (Champeaux) whose curious methods of treatment for the sick are causing some anxiety; the writer suggests that a fall from his horse may have affected Champeaux's brain. 15/- *Paris, 16 May, 1806*

\*. With typewritten transcript.

200 **DESGENETTES.** **A.L.s.**, 1 p., 4to, to Mal. de Camp D—, speaking in praise of M. Morand de Galles, son of Vice-Admiral 6<sup>th</sup> Morand de Galles, Senator. 15/- *Paris, 25 January, 1815*

201 **DUPONT** (*Surgeon-in-Chief to the Army*) **A.L.s.**, 1 p., 4to, to Citoyen Scitivaux, Payeur Général, asking that the officers of health should be paid their salaries, of which they are greatly in need. "Les miens sont dans le plus extrême penurie. . . ." 10/-

*Au quartier général à Neuwied. 18 Messidor An IV 6 July, 1796*

202 **DUPUCH-LAPOINTE** (*Physician and Author*) **A.L.s.**, 1 p., 8vo, concerning a brochure submitted to the Société Royal de Médecine. 10/-

*Société Royale de Médecine, Bordeaux, 1 October, 1824*

203 **GALL** (Jean Joseph, *German Physician, Founder of the System of Phrenology, 1758-1828*) Autograph prescription signed "G." 1 p., 8vo. £1 2 0 [N.Y.]

204 **GERARD** (François Joachim, *Physician, b. 1753*) **Petition signed**, 1 p., folio, to the Ministre de la Guerre, soliciting help for Gérard (who, through the depreciation of paper money, has lost his all, being unable to bring up his numerous family, and those of a brother doctor entrusted to his care), and suggesting that he should be given a post in a military hospital. Signed also by the following: François de Neufchateau, the statesman and Poet, Souhairs, Poullain Godfez, Dubois, Lepaige, Coutrey, Chenier, and Delpierre. With typewritten transcript. 10/-

*Paris, 14 Nivose, An VI. 3 January, 1798*

205 **GINESTE** (Felix, *Médecin Ordinaire des Troupes Françaises Stationnées dans la Cisalpine*) **A.L.s.**, 1 p., 4to, to Citoyen Scitivaux, Payeur Général, asking for payment of arrears. 7/6

*Milan, 16 Frimaire An X. 7 December, 1801*

206 **GOSSE** (Philip Henry, *Zoologist, 1810-1888*) **2 A.L.s.**, 4 pp., 8vo, to Lovell Reeve, declining an invitation to write a book on orchids, *Torquay*, 1865, asking correspondent to get him a quantity of sea-anemones. 10/-

1858

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

207 **GOURAND** (*Surgeon Professor at the Military Training Hospital*) A.L.s., 1 p., 4to, to Citoyen Scitiveau, payeur général de l'armée, asking for arrears of payment, not having received his salary since his arrival in the country. 6/- Milan, 2 Germinal An X. 23 March, 1802

208 **GUILLAUME**. A.L.s.,  $\frac{1}{2}$  p., folio, to Scitivaux, Payeur Général de l'Armée, asking him to admit Cen. Raymond, Pharmacien de 2<sup>e</sup> Classe, to the Military Hospital at Nice. 8/6 Antibes le 5 Prairial An 8. 25 May, 1800

209 **GUILLAUME** (*Physician-in-Chief to the Army in Italy*) A.L.s.,  $\frac{1}{2}$  p., folio, to M. Hersan, asking him to give bearer "le Certificat de Cassation de Payment." 6/- Milan, 9 Floréal An X. 9 April, 1802

210 **GUILLIE** (Sebastien, *Doctor and Occultist, Director of Institution for the Blind*) A.L.s.,  $\frac{1}{2}$  p., 4to, to Monsieur le Vicomte (Mathieu de Montmorency), asking him to appoint a time when he may call to communicate a matter of importance to the Institution. 12/6 Paris, February, 1815

211 **GUILLIE** (Sebastien) A.L.s., 1 p., 4to, postponing a reading of his lecture at the tribunal, on account of rumours of his hostile intentions towards the Government; says he is "sending the first five facsimiles from the Ophthalmic Library." 15/- Paris, 28 June, 1821

212 **GUILLOTIN** (Joseph Ignace, *Physician, Inventor of the Guillotine, a leader in favour of vaccination, 1738-1814*) A.L.s., 2 pp., 4to, to the Mayor of the 2nd Arrondissement, "Nous nous sommes réunis ce matin . . . pour conférer ensemble sur les meilleurs moyens de fonder solidement ces établissemens d'inocuation de la Vaccine dans votre arrond<sup>t</sup>. . . de convoquer les membres et les medecins et chirurgiens des quatre comité de bienfaisance de l'arrondt. et tous autres medecins et chirugiens qu'il vous plairoit d'appeller, pour concerter avec eux les mesures à prendre pour étendre et consolider cet établissement. . . ." Etc. £40 0 0 Paris, 17 Ventose An IX. 8 March, 1801

\*. An extremely important letter on vaccination.

213 **HENSLOW** (John Stevens, *Botanist, 1796-1861*) 2 A.Ls.s., 4 pp., 8vo, 1 $\frac{1}{4}$  pp., 4to, mentions his son bringing home 1,000 specimens of dried plants from Switzerland, "and they are at this moment being properly poisoned for Herbarium preservation by a lass whom I employ largely for such purposes; describes a variety of balsam. 10/- Hitcham, Bildeston, Suffolk: 1856

214 **HOGG** (Jabez, *Ophthalmic Surgeon, 1817-1899*) A.L.s., 3 pp., 8vo, to E. W. Cooke, on the subject of arsenical pigment poisoning. 6/- 14 May, 1879

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

- 215 **HOME** (Sir Everard, *Surgeon*, 1756-1832) **A.L.s.**, 1 p., 8vo. 10/-  
Sackville St.: 1813
- 216 **HOOKER** (Sir William Jackson, *Director of Kew Gardens*, 1785-1865) **2 A.L.s.**, 4½ pp., 8vo, to Dawson Turner, asking him to lend him two plates for colouring, "otherwise I shall not be able to finish my descriptions," speaks of the flowers at Westleton, and incloses "the most forward plant I could find"; mentions Sir Joseph Banks, to whom he has written for his notes on the trade of Iceland and the Books and Charts and Harbours, Haslewood, 1812  
accepting an invitation, "If you will only kindly take my daughter and me as very uncouth Travellers . . . I have no change of outer garments with me *whatsoever.*" 15/- Totnes: Devon
- \*. The notes on Iceland were probably wanted for the reprint of Hooker's "Recollections of Iceland" in 1813. Hooker married a daughter of Dawson Turner in 1815.
- 217 **HOOKER** (Sir W. J., *Director of Kew Gardens*, 1785-1865) **A.L.s.**, 1½ pp., 8vo, to E. W. Cooke, enclosing some plants. 7/-  
Royal Gardens, Kew, 3 Nov., 1869
- 218 **HOOKER** (Sir Joseph Dalton, *Botanist and Traveller*, 1817-1911) **A.L.s.**, 2 pp., 8vo, concerning a botanical career. 6/-  
Royal Gardens, Kew, 1879
- 219 **HULKE** (John Whitaker, *Surgeon*, 1830-1895) **A.L.s.**, 4 pp., 8vo, giving information on the bones of a skeleton. 6/-  
10, Old Burlington Street, 23 June, 1878
- 220 **HUMBOLDT** (Baron von Freidrich H. Alexander, *German Savant and traveller*, 1769-1859) **A.L.s.**, in French (with envelope and woodcut portrait), ½ p., 8vo, to General Uruga, referring to the latter's appointment as Minister Plenipotentiary in Mexico. £1 15 0 Berlin
- 221 **HUME** (Thomas, *Physician, under Wellesley in Peninsular*, 1769?-1850) Asking correspondent to give instruction (from Mrs. Moore) to the artist as to the arrangement of the cravat, etc.; "even poets are dandies." 10/-  
Hanwell, 1818
- 222 **HUNT** (Robert, *Scientific Writer*, 1807-1887) **2 A.L.s.**, 2½ pp., 8vo, to Mrs. Lovell Reeve, promising to give a short notice of "our departed friends" to the Society of Arts, 1865; to James Orton, thanking him for the "Enthusiast." "I read the poem last night with much real pleasure. . . . I have been so overwhelmed of late with statistics that my spirit of poetry has drooped her wings with the very dirt of the earth. . . . I can

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

HUNT (ROBERT)—*continued.*

still however enjoy Poetry—and a good thought does good to my soul.  
 . . . .” Says he will say a “fair word of the Enthusiast” in the  
 Athenæum, if possible, but Hepworth Dixon . . . and I do not exactly  
 fraternize.” £1 0 0 *Museum Practl. Geology: Jermyn St., 1855*

\*. Hunt was for many years the chief contributor to the scientific columns of  
 the Athenæum.

223 HUXLEY (Thomas Henry, *Man of Science, 1825-1895*) A.L.s.,  
 1½ pp., 8vo, to Hon. John Colborne, agreeing to join a committee. 8/6  
 4, Marlborough Place, January 7, 1874

224 KIRBY (William, *Entomologist, 1759-1850*) 2 A.L.s., ½ p., 4to,  
 1 p., 12mo, to Fletcher, asking him to send a revise of a sheet, *Barham, 1837*;;  
 recommending Samuel Stuckbury for the office of Curator of the Museum of  
 the British Institution. 10/- *London 1831*

225 KITCHENER (William, *Physician and Miscellaneous Writer, 1775?-1827*) 7 A.L.s., 12 pp., 8vo, to Christopher Idle, speaking of a small  
 pocket telescope “you gave me a commission for.” 13, *Cecil St., 1806*

Says he is sending “Some of the best Dibdin’s songs—comprising  
 some of the most beautiful ballads in the English language”; asking if  
 correspondent would care to hear Mr. Dibdin lecture on Melody and  
 Harmony. 7, *Fountain Court*

To Christopher Idle, thanking him for the madeira, “for I never  
 drink it but medicinally.” Says the little telescope is nearly finished.  
 Mentions the curious observatory of the late Mr. Rubert, Highbury House,  
 Islington, which will be on view from Tuesday till Saturday next.”

13, *Cecil St., 1806*

To Christopher Idle, asking him if he would like to attend the  
 theatrical singers’ dinner at the Horns at Kensington. 1806

To Christopher Idle, saying he is sending a larger telescope, and  
 some music; mentions Dr. Arne’s ballads, “which are justly considered the  
 best English ballads we have.” 7, *Fountain Court, 1804*

To James Moyes, referring to the woodcuts, which he is “going  
 about.” Speaks of the Cook’s shop: “I shall beg to be Vice-Premier.”  
 £2 0 0 1826

\*. An interesting collection of letters from a man of versatile tastes. He  
 experimented in cookery in his own house, with the help of Henry Osborne, cook to  
 Sir Joseph Banks, and was so successful in the culinary art that his dinners soon  
 became far famed. Another diversion of his was a taste for music and singing, at  
 which he was no mean performer. He also studied optics and produced several  
 books on the subject.

226 LABROUSSE (*Physician and Agriculturist*) A.L.s., 1 p., 4to, to  
 Doctor Calvet, asking for the prescription and the way to prepare hemlock  
 pills; he reproaches his correspondent for having attended gratis several  
 patients sent him by Writh, his contention being that one’s merits are  
 judged according to fees demanded. 18/- 12, *July, 1763*

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued*.

227 **LACOSTE** (Joseph, *Surgeon 1st Class Armée d'Italie*) **A.L.**, (third person), 1 p., folio, to Lt.-General Moncey, Comm. en chef l'Armée d'Italie (at Milan), regarding payment of his salary which was promised him on arrival at his new post, he can get nothing from M. Scitivaux, the Payeur Générale of the Army of Italy (his old corps). **17/6**

*N.D.* [about July, 1801]

\*. At the time there were many complaints from the Medical Staff that they could not get their pay from Scitivaux. See letters from Casamarte, Gourand, Gineste and Breugne.

228 **LAKANEL** (Joseph, *Member of the Convention, where he protected the interests of the Arts and Sciences, 1762-1845*) **A.L.s.**, 2 pp., 4to, to François Broussais (distinguished physician and medical writer) concerning a paper read by correspondent at the institute which the writer considers to be of high merit. With typewritten transcript. **10/-** 12, October, 1800

229 **LARREY** (Dominique Jean, Baron, *Surgeon, Inventor of the Flying Hospital, 1766-1842*) **A.L.s.**, 2 pp., 4to, to his wife, sending her some articles by Aubry, which have interested him deeply, on the plague-stricken of Jaffa; tells her of a confinement he has just attended. **£1 8 0**

4 July [N.Y.]

230 **LARREY**. **A.L.s.**, 4 pp., 8vo, concerning the friendships of M. Panckouck and General Lejeune's wife; speaks of the badly wounded at the hospital and of a serious operation he has just performed which is causing him anxiety; he has much to say of his son Hippolite, whom he has just taken back to college. **£1 4 0** [N.D.]

231 **LARREY**. **A.L.s.**, 3 pp., 8vo, to his wife, giving an account of a visit to relations at Toulouse, rendered disagreeable by the jealousy and envy of some of the members, and ending a painful scene which obliges him to leave for Bordeaux; gives instructions for his room to be prepared for him in Paris. **£1 10 0** 20 October, 1819

232 **LARREY**. **A.L.s.**, 3 pp., 4to, to his wife, telling of his arrival at Lyons, and his search there for a Monsieur Brisson. **18/-**

Lyon, 8 October, 1819

233 **LARREY**. **A.L.s.**, 3 pp., 4to, to his wife, describing the symptoms of his son's (Hippolyte) illness, and his treatment and nursing of him. **£1 18 0** 18 September, 1819

234 **LARREY**. **A.L.s.**, 1½ pp., 4to, to his wife, "tout ce que tu me dit sur mes Craintes d'une affection malades n'est pas fondé si j'avais assez de fortune pour vivre independant, et assurer votre existence sans doute qu'il serait possible de prendre le dessus et de conserver alors l'équilibre de toutes ses fonctions mais personne ne peut analiser ma pôition et tout le monde veut la voir sous les rapports les plus avantageux, au reste il vaut mieux donner cette idée que d'en inspirer de pitcuses . . ."; says he is very busy with patients, and hopes Isadre is not having a return of fever. **£1 1 0**

23, September, 1820

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

235 LARREY. A.L.s., 3 pp., 8vo, to his wife, on family matters. £1 0 0  
14 October, 1823

236 LARREY A.L.s., 2 pp., 8vo, describing a visit to London ("qui nous parait être un monde tout entier très différent même des villes que nous avons déjà vues . . .") which he has just reached from Edinburgh where he was most cordially received. 15/- London, 15 September, 1826

237 LARREY. A.L.s., 3 pp., 8vo, to his wife, speaking of the hospitality he is receiving at Bruxelles, in spite of his desire to be unrecognised there; of his being presented to King Leopold, and of his organisation of the army ambulances. £2 0 0

Bruxelles: 14 October, 1831

\*. Larrey was the inventor of the *ambulances volantes*.

238 LARREY. A.L.s., 3 pp., 8vo, to his family, speaking of his son being on the march for Belgium and of the campaign being favourable to them; and of family affairs. £1 2 0  
23 October, 1832

239 LARREY. A.L.s., 3 pp., 8vo, to his wife, speaking of the eruption of Vesuvius, which has enveloped several villages, and of his plans of travelling through Rome, Florence, Pisa, Lyons, Geneva, etc.; asks news of his patients, particularly one whose arm he had operated on on the eve of his departure. £1 12 0  
Marseille, 19 September, 1834

240 LARREY. A.L.s., 1 p., 4to, to the President of the Royal Society, London, asking his acceptance of the 5th volume of his *Clinique Chirurgicale*; which he hopes will help to complete the *Military Surgery*; he asks for a report from the Royal Society on this volume. £1 10 0

Paris, 22 March, 1836

241 LARREY. A.L.s., 4 pp., 4to, in which he urges the use of conveyances, modelled after the style of his "ambulances volantes," for picking up the wounded at the front lines; treating for tetanus—the neglect of this treatment having caused great loss of troops in the Constantine Campaign. He goes on to speak of the cause of frost-bite among the troops and is surprised that Hutin has not read his treatise on *gangrene caused by frost-bite*. £3 10 0  
Paris, 7 March, 1837

### Sixteenth-Century Veterinary Manuscript.

242 LE BOLONGNA (N.) [THE DISEASES OF THE HORSE.] Sm. 8vo, Manuscript on paper, written in Italian on 65 leaves in an Italic hand, first leaf with ornamental border in green and brown, table (4 pp.), written in green and brown ink, chapter headings in brown, text in black ink, initials painted in blue and green, and also a series of grotesque pen work initials. CONTEMPORARY BLIND STAMPED CALF. £27 10 0

February 8, 1523

\*. PROBABLY UNPUBLISHED. The volume deals with all the ills equine flesh is heir to, and the treatment in each case—as: Excess of blood, over eating,

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*LE BOLONGNA (N.)—*continued.*

strains, cold in the head, eye troubles, teeth and mouth troubles, those affecting the tongue, back, etc., the itch, chest complaints, sprains, swollen legs, fistula, glands, etc., and also general topics, such as foaling, breaking in, general care and training, bits and bridles, the "points" of a horse, and other interesting topics.

243 LEE (Henry, *Naturalist*, 1826-1888) A.L.s., 2 pp., 8vo, to E. W. Cooke, asking for information, for a friend, concerning the lakes and canals and water highways of Friesland. 4/-

*The Waldrons, Croydon, 3 June, 1876*

**Fifteenth-Century English Medical Manuscript.**

244 LIBER DE JUDICIIS URINAE. Sm. 4to (8 by 5¼ in.), written in English in a running hand on 32 leaves of paper, 26-29 lines to the page, initials in blue with some red pen decorations, russia, gold line border on sides, edges of boards tooled, inside gold dentelles, IMPORTANT AND INTERESTING MANUSCRIPT. £23 0 0 XV. Cent.

245 MARMONT. L.s., 3 pp., 4to, to Alexandre Berthier, Prime de Neuchâtel, suggesting that a great many vacancies for subalterns in the army of Portugal should be filled; says he is sending a list of men proposed for the Légion d'Honneur. With typewritten transcript. 7/6

*Lleuga Nueva, 14 June, 1811*

\*. Marmont was in command of the Army of Portugal, in the above year.

246 MARMONT. L.s., 1 p., 4to, [to Maréchal Berthier] concerning the state of health of officers invalided home from the Army of Portugal. 5/-

*Merida le 9 Juillet, 1811*

247 MASSOT (P., *Surgeon-in-chief at Perignan Hospital*) Certificate s., vigns., 2 pp., 4to, on behalf of Manoel de Saumand, whose serious state of health forbids his working at the Custom House. Signed also by Artemus (Mayor), Delon, and Martin. With typewritten transcript. 7/6

*Perignan, 24 January, 1813*

248 NOVELLINO (Philippus de) INSTITUTIONES MEDICINAE, sive, Fundamenta Maecanicis (*sic*) Legibus Innixa. Sm. 4to, UNPUBLISHED MANUSCRIPT, on paper, 320 pages, written in a running hand, boards. £1 10 0

*Naples 1729*

\*. No work by this author in the British Museum or Surgeon General's Library and unknown to Hirsch. The author discusses hair, nails, skin, fat, membranes, arteries, veins, nerves, bones, ligaments, muscles, glands, intestines, liver, pancreas, de partibus generationi dictatis uterus, stomach, abdominal muscles, lungs, throat, heart, diaphragm, de mammis, skull, teeth, brain, tongue, mouth, eyes, nose, ears, head, limbs, etc.



BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

249 **NOVELLINO** (Philippus de) DISSERTATIO DE FEBRIBUS. Sm. 4to, UNPUBLISHED MANUSCRIPT on paper, 170 pages in a running hand, boards. £1 5 0 Naples, 1730

\*. The book discusses fermentation, symptoms, burning fever, malignant and pestilent fever, quotidian, quartan and intermittent fevers, etc., etc. The essay contains also a number of medical prescriptions.

250 **NOVELLINO** (Philippus de) PRAXIS DE MORBIS REGIONIS. Sm. 4to, UNPUBLISHED MANUSCRIPT on paper, 404 pp., written in a running hand, original vellum. £2 5 0 1730

\*. The volume, which contains numerous prescriptions, deals with: Inordinate thirst (de situ nimia) nausea, de cardialgia, diarrhœa, dysentery, colic, dropsy, stone, diabetes, syncope, coughs, phthisis, asthma, epilepsy, apoplexy, paralysis, convulsions, nightmare, vertigo, headache, catalepsy, lethargy, delirium, disease of the ear, teeth, and eyes, etc., etc.

251 **NOVELLINO** (Philippus de) DE FEBRIBUS MALIGNIS ET PESTILENTIALIBUS. Sm. 4to, UNPUBLISHED MANUSCRIPT on paper, 48 pages, in a running hand, boards. £1 10 0 Naples 1731

\*. On the nature, difference, causes, symptoms, and treatment of malignant and pestilent fever.

252 **OWEN** (Sir Richard, *Naturalist*, 1804-1892) A.L.s.,  $\frac{1}{2}$  p., 8vo. 6/- British Museum, 28 May, 1859

253 **OWEN** (Sir Richard) A.L.s.,  $3\frac{3}{4}$  pp., 8vo, to E. W. Cooke, arranging a meeting. 7/6 Sheen Lodge, Richmond Park, 26, May, 1876

254 **OWEN** (Sir Richard) A.L.s., 4 pp., 8vo, to Mrs. Roebuck (wife of J. A. Roebuck, M.P., politician), thanking her for her kindness to the "little boys. . . they will always refer with pride and pleasure that they once saw and were guests of Arthur Roebuck—the Andrew Marvel of his age." 15/- Sheen Lodge, Mortlake, 8 October, 1878

255 **PARKE** (Thomas Heazle, *Doctor and African Traveller*, 1857-1893) A.L.s., 1 p., 8vo, writing to Mrs. Hart that he is sending her a piece of tobacco grown and prepared by the Natives in Central Africa. 8/- Netley, Hants, April 23, 1893

\*. Parke accompanied Stanley's expedition in 1887.

256 **PASTEUR** (Louis, *Bacteriologist*, b. 1822) A.L.s.,  $2\frac{1}{2}$  pp., 8vo, an interesting letter, discussing the results of an experimental inoculation. £12 0 0 Arbois (Jura), 12 October, 1883

257 **PERCY** (Pierre François, Baron, *Surgeon*, 1754-1825) A.L.s., 1 p., folio, vign., to Koenig, Major-General Inspector of military hospitals in Vienna, thanking him and his colleagues for the friendly way in which they had collaborated with the writer while in Vienna. With typewritten transcript. 12/6 Augsbourg, 7 February, 1806

BIOLOGICAL SCIENCES : AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.***English Medical Manuscript.**

258 **PRESCRIPTIONS.** A COLLECTION OF MEDICAL PRESCRIPTIONS ARRANGED ALPHABETICALLY UNDER THE NAMES OF THE DISEASES TREATED, with an index at end. Folio, **Manuscript**, on 120 leaves of paper, original rough calf, the initials H.W. stamped in gold on sides. £21 0 0 17th Cent.

259 **QUCKETT** (John Thomas, *Histologist*, 1815-1861) **A.L.s.**, 1 p., 8vo, to E. W. Cooke, "I shall be very happy to bring my microscope and some preparations . . ." 5/-

15, Donchaster Place, Blandford Square

260 **RÉAUMUR** (René Antoine Ferchault, *Natural Philosopher, Physician and Entomologist, Inventor of the Thermometer*, 1683-1757) **A.L.s.**, 1 p., 4to, referring to the effect produced by the sun's rays on the thermometer; with small portrait. £5 15 0 Paris, 8 August, 1746

261 **SABINE** (Joseph, *Writer on Horticulture, One of the Founders of the Zoological Gardens*, 1770-1837) **A.L.s.**, 1½ pp., to Dawson Turner, saying he had read a friend's certificate at the Linnean Society and informing him that this same person cannot become an associate of the Society, being designated "a merchant." 15/-

12, Edward St., Cavendish Square: 5th April, 1821

262 **SAYER** (Augustin, *Physician*, 1790-1861) **3 L.s.**, 3 pp., 4to, to Sir W. H. Russell, War Correspondent; one in English, inviting him to come on board and see him, "where I am with Miss Nightingale"; two others in French, one informing him that his friend the Captain was out of danger, and the other an invitation to dinner and to bring two friends. Colonel de Bathe had been invited "mais il m'a jurée (*sic*) d'avance qu'il ne dejeuner jamais." 10/- *The Robert Lowe, Balaklava Harbour: 10th May, 1855*  
*Villarette Soyers: Mai, 1856*

\*. Sir W. H. Russell was responsible for calling attention to the sufferings of the British Army at Balaclava, and inspired the work of Florence Nightingale.

263 **SOMERVILLE** (William, *Physician*, 1771-1860) **2 A.L.s.**, asking to have books sent to his father and requesting correspondent to sign a certificate as he is indisposed. 15/-

12, Hanover Sq., 1819; Royal Hospital, Chelsea, 1827

264 **STEWART** (Dugald, *Physician, visited France and was in favour of Revolution*, 1753-1828) **A.L.s.**, 5 pp., 4to. The letter is addressed to Dr. James Currie; speaks of Currie's son, whom he is probably teaching. £1 5 0 Edinburgh: March, 1804

BIOLOGICAL SCIENCES: AUTOGRAPH LETTERS AND MANUSCRIPTS—*continued.*

265 STEWART (Dugald) A.L.s., 4 pp. 4to, To Dr. Currie, expressing his deep concern on hearing of his illness. He alludes to Scott's *Lay of the Last Minstrel*: "Nothing of any consequence has been published at Ed. this winter, excepting Walter Scott's 'Lay of the Last Minstrel,' which abounds equally with the excellence and defects of his former compositions."

£1 10 0

Ed[inburgh]: 29 Decr., 1804.

\*. Dr. James Currie (1756-1805) was a physician who was greatly opposed to war with France.

266 THOMPSON (Sir H., Surgeon) A.L.s., 3½ pp., 12mo, to a Mr. Hart, informing him that he had been summoned to Ghent to operate for stone, at a fee of 1,000 guineas. 6/-

35, Wimpole Street, Jan. 30 (no year)

267 VACCINATION. MS. REPORT ON VACCINATION, 1 p., 4to, entitled "Vaccinations pratiqués en France pendant l'année 1810," from information given by Rabaut-Pommier (Jean Jacques, 1744-1820). Deals with the cow-pox ("que les gens du pays appelle picott"), and cites a case in 1784 of some dairy-girls who contracted small-pox as the result of their contact with infected cows. £6 10 0 1810

268 VERNET (J., Surgeon-in-Chief of the Army in Italy) Certificate s., 1 p., 8vo, to Quartier Général à Nitan, on behalf of Gen. Charmoille, who had been employed at the military hospitals. 10/-

Milan, 30 Messidor, An 8. 19 July, 1800

269 WARREN (Richard, Physician, 1731-1797) Receipt signed, ½ p., 4to, for £58 16s., from Dodsley for 147 copies of Peter Shaw's translation of Boerhaave's "Institutiones Chemicæ," Warren acting as executor to Shaw. 18/- April 9, 1763



