

8vo. 2 leaves, 48 pp., 1 leaf.

The author was professor of medicine at Montpellier.

Mélanges de Physique et de Médecine. A Paris, Chez P. G. Cavalier, Libraire . . . 1771.

8vo. 9 -I- 400 pp.

Contains : Mémoires sur les Eaux de Balaruc (pp. 61-108), Mémoire sur les Eaux sulphureuses (pp. 329-346), Précis sur les Eaux Minérales (pp. 347-398).

#### LE SAGE (George Louis).

Essai de Chymie Mécanique. s.l.n.d. (Geneva or Rouen, 1758 ?).

4to. 113 pp. 1 plate.

Bolton I, 617.

This copy has no printed, but a manuscript, title-page, at the bottom of which is the following note: " N.B. Pour faire imprimer le titre, l'introduction, le jugement de l'Académie etc. l'auteur attend d'avoir achevé quelques autres dissertations analogues qu'il pourroit bien y joindre sous un titre commun." There can be little doubt that this title-page with this note was written by the author himself. Le Sage was a well-known Swiss philosopher who put out a theory to explain the force of gravitation. This was probably his first work.

#### LESPIEAU (R.).

La Molécule Chimique. Paris, Alcan, 1920.

8vo. 286 pp.

#### LEWIS (William), F.R.S.

A Course of Practical Chemistry. In which are contained all the operations described in Wilson's Complete Course of Chemistry. With many new, and several uncommon processes. To each article is given the Chemical History, and to most, an account of the quantity of oils, salts, spirits, yielded in distillation etc. from Lemery, Hoffman, the French Memoirs, Philosophical Transactions etc. and from the author's own experience. London, Printed for J. Nourse. . . . 1746.

8vo. 10 leaves, 432 pp., 15 leaves index and 2 leaves advertisements. With 9 plates.

First Edition.

Bolton I, 620.

Kopp, Chemie, IV, 223.

An interesting and remarkable book. The author describes his practical work with great detail and clearness.

It is of special interest to note that pages 406-428 of this book, published by an eminently practical chemist in 1746, deal with " the transmutation of metals " with experiments.

Remarks on Mr. Robert Dossie's Institutes of Experimental Chemistry in a Letter addressed to the Authors of the Review etc. London, S. Hooper . . . 1760.

8vo, Title + 18 pp.

Commercium Philosophico-Technicum, or the Philosophical Commerce of Arts, designed as an attempt to improve Arts, Trades and Manufactures. London, Printed by H. Baldwin for the author and sold by R. Willock at Sir Isaac Newton's Head in Cornhill, 1763.

4to. 4 leaves, 18 pp. (pagination starts at p. 3), 10 pp. Contents, 646 pp., 7 leaves. Large folding frontispiece and four full-page plates.

First Edition.

This book is almost entirely of chemical interest and has a fine large frontispiece by P. S. Cabot showing a contemporary laboratory. There are chapters on the history of gold, porcelain, colours, etc.

Expériences Physiques et Chymiques sur plusieurs Matières relatives au Commerce et aux Arts. Ouvrage traduit de l'Anglois de M. Lewis, de la Société Royale de Londres, par M. de Puisieux. Paris, Chez Desaint. . 1768.

12mo. 3 vols. I : 40 + 400 pp. 4 plates. H : 8 ± 392 pp. III : 12 + 310 pp., 1 leaf. 1 plate

Ferguson II, 30.

#### LEWIS (William)

Biographical Sketch of the late William Lewis, Esq. Deceased. (From the Gentleman's and other Magazines for February and March, 1823.) London : Printed by W. Pople . . . 1823.

8vo. 7 pp. With engraved portrait.

This chemist, the third of the name of William Lewis, was Born in Jamaica, ca. 1750, and died in 1823. (Pogendorff I, 1444).

#### LIBAVIUS (Andreas).

Rerum Chymicarum Epistolica Forma ad Philosophos et Medicos quosdam in Germania excellentes descriptarum Liber Primus, in quo tum rerum quarundam naturalium continentur explicationes ingeniosae ; tum Chymiae disciplina pyronomica, scevasuca & vocabularia cum quibusdam inter arcana habitis declarantur fideliter. Francofurti, Excudebat Ioannes Saurius, impensis Petri Kopffii, 1595-1599.

Thick 8vo. 3 parts bound in one volume. I : 3 leaves (including one blank), 300 pp., 1 leaf with errata and device, 1 blank. II : Title + 615 pp. III : 8 leaves, 448 pp.

Ferguson (II, 32-33) only quotes parts I and II. Interesting in connection with Paracelsus, who was frequently attacked by Libavius.

Bolton I, 622.

For a detailed account of Libavius see Lynn Thorndike (VI, pp. 238-253).

D.O.M.A. Alchemia . . . opera e dispersis passim optimorum autorum, veterum & recentium exemplis potissimum, tum etiam praeceptis quibusdam operose collecta, adhibitisque ratione & experientia, quanta potuit esse, methodo accurata explicata, & in Integrum corpus redacta. Accesserunt Tractatus nonnulli Physici Chymici, item methodice ab eodem autore explicati, quorum titulos versa pagella exhibet. Sunt etiam in Chymicis ejusdem D. Libavii epistolis, jam ante impressis, nulla huic operi lucem allatura , Francofurti Excudebat Johannes Saurius, impensis Petri Kopffii, 1597.

4to. 9 leaves, 424 pp., 11 leaves (the last blank).

Bound with :

D.O.M.A. Commentationum Metallicarum Libri Quatuor de Natura Metallorum, Mercurio Philosophorum, Azotho, et Lapide seu Tinctura physicorum conficienda. è Rerum Natura, Experientia, Et Autorum praestantium fide Studio & labore Andreae Libavii M.D.P. et Physici Rotemburgici depromti et expositi, more veteris philosophiae cum perspicuitate evidente. Ibidem, 1597.

4to. 4 leaves, 392 pp.

Two parts in one volume.  
Ferguson II, 31-32.

" First Edition of the author's most important work and the first chemical textbook in the modern sense. It first describes his spiritus fumans Libavii ' (tin dichloride), sugar of lead (so named by him), sulphate of ammonia, camphoric acid, how to make sugar candy, and how to extract the alcohol from beer and other fermented liquors, first calls attention to the reaction between hydrochloric acid and solutions of salts of silver and gives numerous recipes how to colour glass." (Zeitlinger).

Early ownership entry on title : " Justus Laigneau, Doctor medicus Patavinus."

This book is extremely rare. According to Prof. Partington it is even scarcer than the first edition of Newton's " Principia " (Lecture at the Royal Institution 7/xi/46).

Libavius shows that he had full command over the theoretical side of his subject but he also must have known much of the practical side. His designs for a complete chemical institute, first elaborated in the present work, were never executed but are amazingly thorough and complete : they include a main laboratory, an analytical laboratory and a private laboratory for the director. There was also a chemical store, a preparation-room with benches and fittings, a crystallising room with vats, store-rooms, cellars, a wine cellar, a wood store, a room for the assistants, a bath-room and a steam bath. The upper stories contain living quarters, study rooms and a library.

Two copies I have seen of these two books were bound together, and I am inclined to think that they were probably issued together.

SEE ILLUSTRATION ON PLATE XI.

D.O.M.A. Singularium Andreae Libavii Med. Phys. Rotemb. Pars Prima (— Secunda). In qua de abstrusioribus, difficilioribusque nonnullis in Philosophia, Medicina, Chymia, etc. quaestionibus, utpote de Metallorum succinique natura : de carne fossili, ut credita est, de gestatione cacodaemonum ; veneno, aliisque rarioribus, quae versa indicat pagina, plurimis accurate disseritur. Francofurti, Impressa typis bannis Saurii, impensis Petri Kopffii, 1599.

8vo. Two parts in one volume. 375 + 524 pp.

Two more parts were published in 1601.

Ferguson (II, 34) mentions the whole work, whereas Caillet (6662) mentions only the first part.

Praxis Alchimiae, hoc est, Doctrina De Artificiosa Praeparatione Praecipuorum Medicamentorum Chymicorum : duobus libris explicata : Quorum Primus De Destillatione Aquarum & Oleorum : de Salium & Extractorum, Quintar. Essentiarum, Aquarum vitae, Florum & Balsamorum, &c. confection: ab autore anonymo, propria experientia conscriptus est : Alter De Lapide Philosophorum Agit : In quo ut recte is comparandus sit, remous omnibus figuris et parabolis, dilucide docetur. Uterque correctus, & declaratus Opera Andreae Libavii Saxo-Halensis, Medici & Physici Rotenburgensis ad Tubarim. Nunc ex Germanico idiomate in Latinum traductus. Annexus est Libellus Jacobi Bessoni de

absoluta ratione extrahendi olea & aquas, a medicamentis simplicibus, &c. Francofurti, Excudebat bannes Saurius, impensis Petri Kopffii. 1604.

8vo. 680 pp. (misnumbered for 650). 10 leaves index. Numerous woodcuts, mostly of distilling apparatus.

Bolton I, 622.

Ferguson (II, 34) mentions this book, but only the German edition of 1603 was in the Young Collection.

D.O.M.A. Alchymia Andreae Libavii, Recognita, Emendata, et aucta, tum dogmatibus & experimentis nonnullis ; Tum Commentario Medico Physico Chymico : Qui exornatus est varus Instrumentorum Chymicorum picturis ; partim aliunde translatis, partim plane novis : In gratiam eorum, qui Arcanorum Naturalium cupidi, ea absque involucris elementarium et aenigmaticarum sordium, intueri gaudent. Praemissa defensione artis : opposita censurae Parisianae. Francofurti, Excudebat Joannes Saurius, impensis Petri Kopffii. Anno 1606.

followed by :

Commentariorum Alchymiae Pars Prima (-Secunda). (see full transcription of titles in Ferguson).

Folio. Three parts in one volume. 10 leaves, 196 pp., 6 leaves index, 5 leaves, 402 pp., 192 pp., 5 leaves index. The first title-page is engraved. Many woodcuts throughout, some full-page.

Ferguson II, 31.  
Brunet 1050.

This is the second and much enlarged edition. All three parts were almost certainly issued together.

D.O.M.A. Alchymia Triumphans de iniusta in se Collegii Galenici Spirii in Academia Parisiensi Censura ; Et bannis Riolani maniographia, falsi conuicta, & funditus euersa. Opus Hermeticum, vere didacticum, (Ne *επιστικον* saltem putetur) souda explicans Chymiatricae Hippocraticae fundamenta : De Quinta Essentia, magno perfectoque lapidis magisterio, principiis, extractis, oleis, aquis, salibus, elixyribus, &c. . . . Francofurti, Ex Officina Typographica bannis Saurii, Impensis Petri Kopffii. 1607.

8vo. Pp. 926, (2 blank).

First Edition.

Ferguson (II, 34) ; no copy in Young Collection.

Rare, as all the works of this celebrated chemist. This was an answer to the attacks, which, at the instigation of Riolan, the Paris Academy of Medicine had levelled against the partisans of Galenus, after the publication of Libavius' famous work : " Alchymia recognita, emendata et aucta " (1606), q.v. It is a splendid defence of alchemy.

## LIBOIS.

L'Encyclopédie des Dieux et des Héros sortis des Qualités des Quatre Elémens et de leur Quintessence suivant la Science Hermétique. Paris, Chez la Veuve Duchesne .. & Pissot . . . 1773.

8vo. 2 vols. I : 8 + 584 pp. II : 600 pp., 1 leaf. Volume two Jacks title and one preliminary leaf, it has instead a half-title belonging to Vol. I.

Caillet 6665.

## LICETUS (Fortunius).

De Lucernis Antiquorum Reconditis Lib. Quatuor : in quibus earum recens inventarum adhuc ardentium observationes multae primum afferuntur : Aliorum opiniones omnes de ipsarum attributis dein expenduntur, earumdem caussae, proprietates differentiaequae singulae deinceps ex rei natura deteguntur : Pluresque dubitationes e traditis emergentes demum eluuntur : explicatis diligenter abditissimis Quaestionibus De Ignium caussis, origine, varietate, duratione, motu, & extinctu : De Antiperistasi, De fumis, De cinere, De Lentore, de mistis incombustibilibus, De brutorum funeribus, & De aliis Naturae arcanis. Venetiis, apud Evangelistam Deuch, 1621.

4to. 34 leaves, 415 pp. 1 folding woodcut and several woodcuts in text.

Brunet III, 1069.

Caillet (6666) does not mention this work, but many others.

Litheosphorus, sive De Lapide Bononiensi Lucem in se conceptam ab ambiente claro mox in tenebris mire conservante Liber. Utine, ex Typographia Nicolai Schiratti, 1640.

4to. 4 leaves ± 280 pp.

First Edition.

Kopp (Chemie, III, p. 327) says that the first chemical preparation known to show phosphorescence was a barytes stone of Bologna, and that it was first described in this book. With it is bound the same author's "De Anulis Antiquis," Utine, 1645, 4 leaves + 252 pp., 1 plate.

## LIEBAUT (Jean).

Quatre Livres Des Secrets de Médecine, et de la Philosophie Chimique Faicts François par M. Jean Liebaut Dijonnois, Docteur Médecin à Paris. Esquels sont décrits plusieurs remedes singuliers pour toutes maladies tant interieures qu'exterieures du corps humain : traictees bien amplement les manieres de destiller eaux, huiles, & quintes essences de toute sorte de matieres, preparer l'Antimonie & la poudre de Mercure : faire les extractions, les sels artificiels, & l'or potable. A Paris, Chez Jacques du Puys, Libraire juré, demeurant rue S. Jean de Latran, à l'enseigne de la Samaritaine, 1579.

8vo. 8 leaves (including one blank), 297 ff., 14 leaves index. Woodcuts of distilling apparatus.

Bibliotheca Esoterica, 2700.

Stillman, p. 366.

Caillet 6679.

Ferguson (History of Inventions, new series, third supplement, p. 379-80) describes what is apparently the first edition of 1573. The earliest edition in the Bibliothèque Nationale is the one of 1579, the British Museum has no edition before 1600, but the Biographie Universelle states that the first edition was published in 1573, and this seems likely in view of the date of the preface, and Brunet quotes another authority for the statement that the first edition was published in 1573. The earliest quoted by Brunet himself is this one.

This is a translation of Gesner's "De Secretis Liber", edited by Caspar Wolfius in 1569. The preface is dated 1573.

Quatre Livres Des Secrets de Medecine, et de la Philosophie Chymique . . . (title as preceding item) Dernière Edition. A Rouen, Chez Théodore Reinsart, devant le Palais, à l'Homme armé. M.VI.C. (1600?).

8vo. 4 leaves, 352 pp., 3 leaves index. Woodcut on title and others in text of distilling apparatus.

Ferguson (Histories of Inventions, part I, page 9, 8vo. reprint of 1883), says that the date apparently means 1600 and that the book looks as if it was printed much later. The date might also mean 1594 and may then be a misprint for 1694.

Secrets de Médecine, et de la Philosophie Chimique. A Rouen, Chez Nicolas l'Oyselet, près S. Lo, derrière le Palais, 1643.

8vo. 7 leaves, 297 ff., 14 leaves index. Woodcuts in text.

This edition is quoted by Ferguson (II, 36).

Caillet 6680.

## LIEBIG (Justus von).

Traité de Chimie Organique. Edition Française revue et considérablement augmentée par l'auteur, et publiée par Ch. Gerhardt. Paris, Frotin, Masson & Cie., 1841-1844.

8vo. 3 vols. I : Title, 195 + 611 pp. II : Title, 664 pp. III : Title, 528 pp.

Bolton I, 631.

Die Chemie in ihrer Anwendung auf Agricultur und Physiologie. Fünfte umgearbeitete und sehr vermehrte Auflage. Braunschweig, Friedrich Vieweg und Sohn, 1843.

8vo. 14 + 506 pp.

Bolton I, 628.

Handbuch der Organischen Chemie mit Rücksicht auf Pharmacie. Aus der neuen Bearbeitung des ersten Bandes von Geiger's Handbuch der Pharmacie. Heidelberg, C. F. Winter, 1843.

8vo. 12 ± 820 pp.

First Edition.

Bolton I, 627.

Die Thier-Chemie oder die organische Chemie in ihrer Anwendung auf Physiologie und Pathologie. Zweite, unveränderte Auflage. Braunschweig, Friedrich Vieweg und Sohn, 1843.

8vo. 18 ± 344 pp., errata leaf.

Bolton I, 630.

Animal Chemistry, or Chemistry in its application to Physiology and Pathology, edited from the author's manuscript by William Gregory M.D., F.R.S.E., M.R.I.A. Second edition. London, Taylor & Walton, 1843.

8vo. 26 + 384 pp.

Bolton I, 630.

Chemistry in its applications to Agriculture and Physiology . . . edited from the manuscript of the author by Lyon Playfair, Ph.D., F.G.S. Third Edition, revised and enlarged. London, Taylor & Walton, 1843.

8vo. 10 + 400 pp.

Bolton I, 629.

Lettres sur la Chimie considérée dans ses applications à l'industrie, à la physiologie et à l'agriculture . . . nouvelle édition française publiée par M. Charles Gerhardt. Paris, Charpentier & V. Masson, 1847.

12mo. Half-title, title, 284 pp. Portrait.

Bolton (I, 626) gives 330 pp. ; this copy has only 284, but appears complete. It has 26 letters and the index.

Acht Tafeln zur Beschreibung des chemischen Laboratoriums zu Giessen. Von J. P. Hofmann, mit einem Vorwort von Dr. Justus Liebig.—Das Chemische Laboratorium der Ludwigs-Universität zu Giessen, dargestellt von J. P. Hofmann, Provinzial-Baumeister. Nebst einem Vorwort von Dr. Justus Liebig. Heidelberg, 1842. Akademische Verlagsbuchhandlung von C. F. Winter. [London, bey Taylor und Walton (Upper-Gower Street)].

Folio, with 8 lithographed plates, and 8vo., xii + 51 pp. Together 2 volumes.

First Edition.

Of the greatest rarity. The work consists of an atlas, in folio, containing an exterior view, and an interior view (the latter reproduced by Read, *Humour and Humanism in Chemistry*, p. 244) of the Giessen laboratory, and 6 plates with details of apparatus, and of an 8vo. brochure, containing Liebig's preface. The work was printed in a very small edition only, and most copies were given away by Liebig, when he answered questions about the installation of this famous laboratory, built in 1839 on his designs. It was the first purely scientific laboratory for the purpose of chemical instruction, though already Libavius (q.v.) had projected one. Soon, all the great chemists of the second half of the 19th century began to receive their training in this laboratory.

Only very few perfect copies are known ; especially the interior view, with portraits of Liebig's pupils, is missing from most copies.

HOFMANN (August Wilhelm von).

The Life-work of Liebig in Experimental and Philosophic Chemistry ; with Allusions to his Influence on the Development of the Collateral Sciences, and of the Useful Arts. The Faraday Lecture. (Extract from Transactions of the Chemical Society. Vol. XXVIII.). London (1875).

8vo. On pp. 1065-1140. With photographic portrait and facsimile.

LILLY (William)

History of His Life and Times, From the Year 1602, to 1681. Written by himself in the 66th Year of his Age, to his worthy Friend Elias Ashmole, Esq. Containing, among many curious Particulars, I. An Account of Dr. Forman, Dr. Napier, Dr. Booker, Dr. Dee, Kelly, and all other Astrologers and Conjurers ; his Contemporaries, unfolding the Mysteries of the Black Art, viz. Incantations, Raising of Spirits, &c. II. The Tryal of Isaac Antrobus, Parson of Egremont, before Sir Harbottle Grimston, Master of the Rolls, for Baptizing a Cock by the Name of Peter, and committing Adultery with a Woman and her Daughter. III. A Discovery of several private Transactions relating to Oliver Cromwell's Management, during the Time of the Civil Wars ; more especially that Grand Secret, who the Person was that cut off King Charles's Head. IV. Mr. Lilly's Examination before the Parliament concerning the Fire of London : With some memorable Occurrences that happened after the Restauration of King Charles II. The Second Edition. London : Printed for J. Roberts in Warwick Lane. 1715.

12mo. Title, leaf of dedication to Ashmole, 116 pp.

[LIMOJON DE SAINT DISDIER (Alexandre Toussaint de)].

Le Triomphe Hermétique, ou La Pierre Philosophale Victorieuse. Traité plus complet et plus intelligible, qu'il y en ait eu jusques ici, touchant le Magistère Hermétique. Amsterdam, Chez Henry Wetstein, 1689.

8vo. 6 leaves + 153 pp. Lacks the folding plate.

First Edition.

Ferguson II, 468.

Cailler 6696 says that the attribution to Limojon de St. Disdier is an error.

Contains 3 tracts, each having a separate (half-) title :

1. L'ancienne guerre des chevaliers, ou entretien de la Pierre des philosophes avec l'or et le mercure (p. 1-25).
2. Entretien d' Eudoxe et de Pyrophile sur l'ancienne guerre des chevaliers (p. 27-120).
3. Lettre aux vrais Disciples d'Hermes, contenant six principales clefs de la philosophie secrete (p. 121-153).

The curious and complex history of this tract has been partly disentangled by Ferguson (II, 486-87).

Le Triomphe Hermétique, ou La Pierre Philosophale Victorieuse. Traité plus complet & plus intelligible, qu'il y en ait eu jusques ici, touchant le Magistère Hermétique. A Amsterdam, Chez Henry Wetstein, 1699.

8vo. Pp. (13, 1 blank), 153, (1 blank). With large folding plate with explanation. Title red and black.

Ferguson II, 40 (no copy in Young Collection).

Brunet V, 37.

Cailler 6696.

The engraved plate is described by Read (*Prelude to Chemistry*, p. 211) and reproduced by Grillot de Givry, (*Le Musée des Sorciers*, p. 404) after the 1710 edition

The Hermetical Triumph : or, The Victorious Philosophical Stone. A Treatise more compleat and more intelligible than any has been yet, concerning The Hermetical Magistry. Translated from the French. To which is added, The Ancient War of the Knights. Translated from the German Original. As also, some Annotations upon the most material Points, where the two Translations differ. Done from a German Edition. London. Printed ; and Sold by P. Hanet, at the Sign of die Black-Spread-Eagle, near Somerset-House in the Strand. 1723.

Ferguson (I, 394) errs in the collation which is Pp. xxxvi (frontispiece included), (2), 147,(1), 39, (1).

Ferguson II, 39 and 487.

This English edition is rare.

Der Hermetische Triumph oder der Siegende Philosophische Stein, Ein Tractat völliger und verständlicher eingerichtet als einer jemals bisher gewesen, handelnde von der Hermetischen Meisterschaft, hiebevör in Französischer Sprache gedruckt, zu Amsterdam bey Heinrich Wetstein anno 1689, nunmehr gegenwärtig ins Deutsche versetzt. Frankfurt und Leipzig, bey Johann Paul Krauss, 1765.

8vo. 224 pp. Engraved frontispiece.

Ferguson I, 396.