

M. (J. U.).

Neu-eröffnete Schatz-Kammer, verschiedener Natur-und Kunst-Wunder, Worinnen Alles was in dieser Welt wunderbares ersunnen worden, Neben denen vornehmsten Natur-und Artzney-Seh-Hör-Feur-Bergwerck-Stein-Wasser-und Mathematischen Künsten enthalten seyn, Dem geneigten Leser zu beliebiger Zeit-Verkürzung an Tag gegeben, von J.U.M. Nürnberg, zu finden bey Joh. Hofmann, Buch-und Kunsth. Neustadt an der Aysch, druckts Johann Christoph Drechsler, 1689.

Thick 8vo. 5 leaves, 1018 pp., 17 leaves index. Many woodcuts.

I cannot trace this work in any reference book. It is most probably based on Porta's "Magia Naturalis", in any case it deals with similar subjects.

MACBRIDE (David).

Experimental Essays on the following Subjects : I. On the Fermentation of Alimentary Mixtures. II. On the Nature and Properties of Fixed Air. III. On the respective Powers, and Manner of Acting, of the different Kinds of Antiseptics. IV. On the Scurvy ; with a Proposal for trying new Methods to prevent or cure the same, at Sea. V. On the Dissolvent Power of Quick-Lime Illustrated with Copper-Plates. London, Printed for A. Millar, in the Strand, 1764.

8vo. 13 pp., 2 leaves, 267 pp., errata leaf. With 2 folding tables and four engraved plates.

Bolton I, 644 (but gives size wrongly as 4to.)

This is an important book from the point of view of chemical ideas previous to Lavoisier.

MACKAILE (Matthew).

Moffet-Well : Or, A Topographico-Spagyricall description of the Mineral Wells, at Moffet in Annandale of Scotland. Translated, and much enlarged, by the Author Matthew MacKaile, Chyrurgico-Medicine. As also, The Oily-Well, Or, A Topographico-Spagyricall description of the Oily-well, at St. Catherines Chappel in the Paroch of Libberton. To these is subjoyned, A Character of Mr. Culpeper and his Writings ; by the same Author . . . Edinburgh, Printed for Robert Brown, and are to be sold at his Shop, at the Sign of the Sun, on the north-side of the Street, over against the Cross, 1664.

Sm. 8vo. 196 pp. The three parts have separate title-pages.

First Edition.

Waring II, p. 796.

Unknown to Mullett, Public Baths, 1946.

This rare work contains a surprising amount of information regarding contemporary chemical theories and thoughts. The last tract is a violent attack on Culpeper and his writings.

The Diversitie of Salts and Spirits Maintained. Or, The Imaginary Volatility of some Salis and Non-enuity of the Alkali, before Cremation and Identity of ail Alcalies, ail Volatil Salts, and all Vinous Spirits, by an onely Lamp-Furnace resolved into real Improbability. By way of Animadversions, upon Dr. D. C. his 3 Papers, communicated to the R.S. and insert in the 9. Vol. of the P. T. Together, with A New System, of the Order and Gradation, in the Worlds Creation. As Also, Scurvie Alchymie discovered. By Matt. MacKaile Apoth. and Chirurg. Alias, Chirurgo-Medicine. Aberdeen, Printed by John Forbes, Printer to Town, Anno Dom. 1683.

12mo. Pp. (28), 145. Folding table facing p. 43.

The book is very intricate and difficult to follow : it is full of quotations and complicated arguments and contains highly calumnious reflexions on the good physicians and chirurgeons of Aberdeen, such as Dr. D. C(oxe), which caused John Forbes, the printer, to be rebuked for having printed it without authority and to be enjoined to print no pamphlets or books without the magistrate's and council's authority.

MACKENZIE (Colin).

One Thousand Experiments in Chemistry ; With Illustrations of Natural Phenomena, and Practical Observations on the Manufacturing and Chemical Processes at present pursued in the successful cultivation of the Useful Arts. London : Printed for Sir Richard Phillips and Co. . . . 1821.

8vo. 27 + 528 + 29 pp. Frontispiece and 21 plates.

One of the illustrations is a coloured folding plate of the Gasworks at Brick Lane.

MACQUART (Louis Charles Henri).

Manuel sur les Propriétés de l'Eau, particulièrement dans l'Art de Guérir. A Paris, Chez Nyon l'ainé, Libraire, rue du Jardinot, Quartier Saint-André-des-Arts, 1783.

8vo. 2 leaves, 24 ± 476 pp. With two folding tables.

First Edition.

Carrère, suppl. no. 3.

It contains a list and classification of various spa-waters as well as an interesting and very complete account of the properties, chemical & physical, of water, also the medical qualities of various waters.

MACQUER (Pierre Joseph).

Éléments de Chymie Théorique. A Paris, Chez Jean-Thomas Herissant . . . 1749.

12mo. 22 pp., 1 leaf, 336 pp., 12 leaves, 4 folding plates.

First Edition.

Ferguson (II, 60) ; no copy in the Young collection.

Macquer played a very important part in the development of industrial chemistry in France. He was much the most influential phlogistonist of his day and died (1784) without changing his views, the revelations of Lavoisier notwithstanding. In his earlier works he shows that he believed fire to have been an element and that he was one of the last scientists of importance to have supported the earth, air, fire and water theory. In his later works he attempted to compromise with the results of Lavoisier's matchless experimental work and the theories of Stahl and his school.

Éléments De Chymie-Pratique, Contenant La Description des Opérations fondamentales de la Chymie, avec des Explications & des Remarques sur chaque Opération. A Paris, Chez Jean-Thomas Herissant, rue Saint Jacques, à S. Paul & à S. Hilaire, 1751.

12mo. 2 vols. I : Half-title, 16 pp., 4 leaves index, 517 pp. II : 8 leaves, 574 pp. A superb copy bound in 18th century French red morocco, triple gilt borderline, fully gilt back in compartments with the flower and other tools, g.e., by Derôme.

First Edition.

Ferguson II, 60, but no copy in the Young Collection.

Éléments de Chymie-Pratique, . . . Seconde Édition, revue & corrigée. A Paris, Chez Jean-Thomas Herissant, 1756.

12mo. 2 vols. I : half-title and title, 72 pp. (there is a cancel leaf pp. 25-26, the numbers are in duplicate), 519 pp. II : half-title and title, 6 leaves, 576 pp.

Ferguson II, 60 ; no copy in the Young collection.

Éléments de Chymie-Théorique. Nouvelle Edition. A Paris, Chez Jean Thomas Herissant, 1756.

12mo. 22 pp., 1 leaf, 368 pp., 7 leaves, 4 folding plates, 6 pp. catalogue.

Ferguson II, 60 ; no copy in the Young collection.

Bolton I, 6464.

Most probably issued together with the " Chymie Pratique " of the same year, as one work.

Elements of the Theory and Practice of Chemistry, translated from the French of M. Macquer. London, A. Millar & J. Nourse, 1758.

8vo. 2 vols. I : 19 + 419 pp. II : 8 + 434 pp. With six plates of chemical apparatus and symbols.

First English Edition. The translator was Andrew Reid.

Ferguson II, 60 ; no copy in the Young collection.

Bolton I, 646.

Dictionnaire de Chymie, contenant La Théorie & la Pratique de cette Science, son application à la Physique, à l'Histoire Naturelle, à la Médecine & à l'Économie animale ; avec l'Explication détaillée de la vertu & de la manière d'agir des Médicaments Chymiques. Et les principes fondamentaux des Arts, Manufactures et Métiers dépendans de la Chymie. A Paris, Chez Lacombe, Libraire, Quai de Conti, 1766.

8vo. 2 vols. I : 26 pp. 1 leaf, 616 pp. II : half-title, title, 686 pp., 1 leaf. Volume I has no half-title, and the collation does not call for one.

First Edition, published anonymously.

Bolton I, 68.

Ferguson II, 60 ; only the 1779 edition in the Young collection.

By far the most important of Macquer's works : there had been technical dictionaries before but this was the first dictionary of theoretical and general chemistry ; its success soon produced many imitators.

Dictionnaire de Chymie, . . . Seconde Edition, revue et considérablement augmentée. A Paris, Chez P. Fr. Didot jeune, Libraire de la Faculté de Médecine, Quai des Augustins, 1777.

8vo. 3 vols. I : 32 + 747 pp. II : 664 (badly numbered 660) pp. III : 510 pp.

Ferguson does not quote this edition.

Bolton (I, 68) lists two " second editions " in 1778, one in 4to., and one in 4 vols. 12mo. Ferguson further quotes an edition of 1776, which, according to his list would be the second.

A Dictionary of Chemistry. Containing the Theory and Practice of that Science : its application to Natural Philosophy, Natural History, Medicine, and Animal Economy : With Full Explanations of the Qualities and Modes of Action of Chemical Remedies : And the Fundamental Principles of the Arts, Trades, and Manufactures, dependent on Chemistry. Translated from the French. With notes, additions, and plates. The second edition. To which is added, as an appendix, A Treatise on the Various Kinds of Permanently Elastic Fluids, or Gases. London : Printed for T. Cadell and P. Elmsly, in the Strand. 1777.

8vo. 3 vols. I : 4 leaves -I- 18 pp. (B-Ee' in eights). Folding table. H : Title (B-Hh² in eights). III : Title (B-Z in eights), 2 plates -I- 108 pp.

The second English edition of Keir's translation of Macquer's most famous work. It is fully dealt with in Coleby's " Chemical Studies of P. J. Macquer " (London, 1938), p. 23 etc. The appendix is specially interesting in that it shows the state of chemical theories of the time and in particular the progress made since the first edition had been published.

Dictionnaire de Chymie . . . Nouvelle édition corrigée sur les précédentes, avec un Supplément séparé. A Neuchâtel, De l'Imprimerie de la Société Typographique, 1789.

8vo. 5 vols. I : 28 -I- 580 pp. II : Titie + 655 pp. III : Title -I- 520 pp. IV : Title + 776 pp. V : 2 leaves -I- 382 pp.

Ferguson II, 60 ; no copy in the Young collection.

This edition was edited by H. Struve, professor of physics and chemistry at the Lausanne Academy, who contributed the supplementary volume V, in which he dealt with the new nomenclature.

MACQUER (Pierre Joseph) and BAUMÉ (Antoine).

Plan d'un cours de Chymie Expérimentale et Raisonnée avec un discours historique sur la Chymie. A Paris, Chez Jean-Thomas Herissant, 1757.

8vo. 2 leaves, 63 + 80 pp.

Bolton I, 646.

Not mentioned by Ferguson, or by Coleby in his recent book on Macquer and his work.

The first 63 pages contain a history of chemistry.

COLEBY (L. J. M.).

The Chemical Studies of P. J. Macquer. London, Allen & Unwin, 1938.

8vo. 129 pp.

MACTEAR (John).

Thirty-one Papers on the Manufacture of Alkalis, read before various learned Societies, Glasgow, Newcastle, etc., 1876-1881.

8vo. Bound in two vol. Numerous plates, woodcuts and some extra illustrations, including 2 photographs of Mactear's Patent Furnace.

Apparently the author's own copy and probably a complete collection of his papers.

On the Antiquity of the Chemical Art. (London ?), 1879.

8vo. 34 pp.

[MAETS (Carolus Ludovicus de)].

Chemia Rationalis Rationibus Philosophicis, observationibus Medicis, debitis Dosibus, &c. illustrata, Cum Indice Capitum, Medicamentorum, eorumque Dosium. Accedit Praxis Chymiatrica Rationalis, Demonstrans Qua in re singularum partium consistat operatio, per quam causam tollatur, & per quaenam remedia (utpote Chymicalia vegetabilibus iusta methodo mixta) possit restitui. Cum triplici Indice, uno Capitum, altero Remedionum, tertio Simplicium, ad calcem adjecto. Auctore P.T. Med. Doct. Lugd. Batav. Apud Jacobum Mocquee. A^o. 1687.

4to. 2 leaves + 168 pp. + 4 leaves, title + 154 pp. 10 leaves. Two parts in one volume (but bound in wrong order).

Ferguson (I, 153) gives the description of a German book with a similar title (Frankfurt und Leipzig, 1696) which seems to be a translation of this work, though it is said to be translated from the English.

I traced the name of the author in the bibliography which is annexed to Spielmann's " Instituts de Chymie ", 1770, (Tome II, p. 330) where this book is mentioned under the catchword : " Chymie raisonnée, par Maets." This was a Dutch physician and professor of Chemistry at Leyden. He died in 1690. His name will be found in the " Collectanea chymica Leydensia ", published by Morley in 1684 (Ferguson II, 110). Besides the " Praxis chymiatrica rationalis " he wrote : " Prodromus chemiae rationalis " (Lugd. Bat. 1684). See Joecher III, 25.

Chemia Rationalis Rationibus Philosophicis . . . Lugd. Batav. Apud Fredericum Haaring, 1690.

4to. 2 leaves + 168 pp. 4 leaves, title + 154 pp. 10 leaves.

MAGELLAN (Joao Jacinto de).

Description of a Glass-Apparatus for making in a few Minutes, and at a very small Expence, the best Mineral Waters of Pymont, Spa, Seltzer, Seydschutz, Aix-La Chapelle, etc. Together with the description of two new Eudiometers, or Instruments, for ascertaining the Wholesomeness of Respirable Air, and the Method of using these Instruments, in a Letter to the Rev. Dr. J. Priestley, LL.D., F.R.S. By J. H. de Magellan, F.R.S. The third edition, revised, corrected, and enlarged by the author, with an Examination of the Strictures of Mr. T. Cavallo, F.R.S. upon these Eudiometers. London, Printed for the author, 1783.

8vo. 8 + 80 pp. One plate.

The author was a descendant of the great Portuguese discoverer, Ferdinando Magalhaens, and became a distinguished scientist. He was elected F.R.S. in 1774 and was much occupied with scientific instruments. This is a presentation copy.

MAGNI PHILOSOPHORUM.

Magni Philosophorum Arcani Revelator. Quo Hermetis Discipuli, Magnique Scrutatores Opens omnia ad suum laborem necessaria, clarissime explicata invenient. Tractatus contentos proxima indicat pagina. Genevae, Apud Samuelem De Tournes. 1688.

8vo. Pp. (2), 490, (9, 1 blank). With engraved plate of apparatus and woodcut portrait of Hermes Trismegistus on title-page.

Ferguson II, 62.

Falconet sale, item 8302.

Contains the following 5 tracts :

1. " Pretiosissimi Arcani Arcanorum et Philosophorum Magisterii Verissima ac Purissima Revelatio. De Transmutatione Metallorum : in qua dicta obscura Philosophorum optimè ac clarissime deteguntur. Recens in lucem edita à quodam Philosopho Anonymo " (p. 1-304).
2. " Opus Philosophicum quod Opus Iovis nuncupatur, cum aliis Operibus Particularibus De Transmutatione Metallorum " (p. 305-367).
3. " Liber de Septem Verbis Philosophorum cum explication, in quibus totum Opus Philosophicum continetur " (p. 369-420).
4. " Reverendissimi Archipresbyteri Magistri Antonii de Abatia Epistolae Duae, Scrutatoribus Artis Chymicae mandatae " (p. 421-472), followed by: "Annotations in duas Epistolas " (p. 473-482).
5. " Arcanum à quodam Philosopho anonymo deductum " (p. 483-490).

MAGNUM INTERES T.

Magnum Interest totius Reip. Hermeticae. Sive Epistola II. Buccinatoria, ad clarissimos viros, Joan. Otton. Helbigium, M.D. Joan. de Monte Hermetis Anonymum, ac caeteros Magnates Hermeticos, data a Duumviris Hermeticis Federatis. Quâ respondetur XII Quaestionibus Helbigianis, interpellatur Hermes a Monte, cum toto Senatu Hermetico, ut mature despiciant, quid Reipublicae Hermeticae intersit. Gedani (Danzig), Sumptibus Brunonis Laurentii Tancken, Typis Davidis Friderici Rhetii, Anno 1681.

4to. Pp. 30, (2 blank).

First Edition.

Unknown to Ferguson.

Kopp, *Alchemie*, II, 331.

This is the second of a series of 3 letters, written in 1679, 1681 and 1682 respectively, by two members of a so-called Hermetical Federation, whose pseudonyms were Chrysanthus Leonagnus and Cosmus Saturnatus. These letters were directed to all adepts (and this letter especially to the alchemists Joh. Otto Hellwig and Joh. de Monte Hermetis) who were entreated to trust their secrets to the Federation. The communications had to be addressed to the "Academia Naturae Curiosorum" at Breslau. If, after a certain time, a satisfactory answer could not be obtained, hermetical philosophy would be put in the pillory as spurious.

The third letter appeared under the title "Tubicinium convivale hermeticum." There is a copy of this in my collection, q.v.

MAIER (Michael).

Arcana Arcanissima hoc est Hieroglyphica Aegyptio-Graeca, Vulgo necdum cognita, ad demonstrandam falsorum apud antiquos deorum, dearum, heroum, animantitun et institutorum pro sacris receptorum, originem, ex uno Aegyptiorum artificio, quod aureum animi et Corporis medicamentum peregit, deductam, unde tot poetarum allegoriae, scriptorum narrationes fabulosae et pertotam Encyclopaediam errores sparsi clarissima veritatis lute manifestantur, saeque tribui singula restituuntur, sex libris exposita. s.l.n.d. (Oppenheim, ca. 1614).

4to. Engraved title, engraved leaf of dedication, 4 leaves, 285 pp., 7 leaves.

Ferguson II, 66, (but no copy in the Young Collection).

Gardner 416.

Caillet 6987.

Bolton I, 1002.

Maier's first publication. It is an interpretation of Greek and Roman mythology from the alchemical point of view and is dedicated to Sir William Paddy, President of the London College of Physicians.

Jocus Severus, hoc est, Tribunal Aequum, quo Noctua Regina Avium, Phoenix Arbitro post varias Disceptationes et Querelas Volucrum eam infestantium pronunciat, & ob sapientiam singularem, Palladii sacrata agnoscitur. Francofurti Typis Nicolai Hoffmanni, sumptibus Theodori de Brij, Anno 1617.

4to. Pp. 76, (4 blank). With large engraved vignette on title.

First Edition.

Ferguson II, 66 (no copy in Young Collection).

Lenglet-Dufresnoy III, p. 228.

Kopp, *Alchemie*, II, 381.

Caillet 6994.

Gardner, *Bibl. Rosicruc.*, 424.

"It will be seen from the title that this tract is concerned with a Parliament of Birds, with the Phoenix as President and Judge. There is a debate after the manner of *Lusus Serius*', in which

the Owl, Goose, Raven, Crane, Crow, Nightingale, Swallow, Jackdaw, Sparrow-Hawk, Heron and Cuckoo take part. On account of its traditional wisdom the Owl is made queen and is duly crowned." (Waite, "Brotherhood of the Rosy Cross", 1924, p. 318, note 2).

With bookplate of J. B. Craven (the biographer of Maier) and autograph of A. T. & M. Atwood. 1859.

Atalanta Fugiens, hoc est, Emblemata Nova De Secretis Naturae Chymica, Accommodata partim oculis & intellectui, figuris cupro incisus, adjectisque sententiis, Epigrammatis & notis, partim auribus & recreationi animi plus minus 50 Fugis Musicalibus trium Vocum, quarum duae ad unam simplicem melodiam distichis canendis peraptam, correspondeant, non absq; singulari jucunditate videnda, legenda, meditanda, intelligenda, dijudicanda, canenda & audienda. . . . Oppenheimii Ex typographia Hieronymi Galleri, Sumptibus Joh. Theodori de Bry, 1617.

4to. Pp. 211, (3, 2 blank). Title within an engraved border, 50 emblematic engravings by de Bry. Musical notation in letterpress.

First Edition, of the utmost rarity.

Ferguson II, 62-63.

Bolton, I, 1002.

Caillet 6988.

Gardner 428.

Brunet III, 1313.

All these bibliographers only quote the 1618 edition.

The *Atalanta Fugiens* is generally regarded as Maier's rarest work and it is also the most sought after, for the splendid engravings by de Bry, which belong to the finest samples of hermetical illustration. Professor Read in his "Prelude to Chemistry" (pp. 236-246, 281-289) reproduces many of these engravings and gives a very full and detailed description of the work.

All reference books give 1618 as the date of the first edition. This copy is plainly dated 1617 and p. 11 (which usually contains a portrait of Maier) is blank. It thus appears that it is of the real first edition which is so rare as to be unrecorded by any of the usual authorities.

I know of only two other copies of this 1617 edition: one in the private library of Mr. Gerard Heym and one in the library of Wellesley College (U.S.A.). This latter copy has been described by Prof. Penney L. Davis (*Jour. Chem. Educ.* 15, 9, 49) who refers to it as "extremely rare."

My copy is in a beautiful state of preservation, bound in a fine French 18th century morocco binding, which is quite unusual for this type of book. It comes from the celebrated libraries of Baron Portalis, with his bookplate, and Rahir.

Atalanta Fugiens, hoc est, Emblemata Nova De Secretis Naturae Chymica, Accommodata partim oculis & intellectui, figuris cupro incisus, adjectisque sententiis, Epigrammatis & notis, partim auribus et recreationi animi plus minus 50 Fugis Musicalibus trium Vocum, quarum duae ad unam simplicem melodiam distichis canendis peraptam, correspondeant, non absq; singulari jucunditate videnda, legenda, meditanda, intelligenda, dijudicanda, canenda & audienda. . . . Oppenheimii Ex typographia Hieronymi Galleri, Sumptibus Joh. Theodori de Bry, 1618.

4to. 211 pp., 1 leaf. Title within an engraved border, portrait of the author and 50 emblematic engravings. Musical notation in letterpress.

The second edition.

Ferguson II, 62-3.

Gardner 428.

Examen Fucorum Pseudo-Chymicorum Detectorum et in Gratiam Veritatis Amantium succincte refutorum, . . . Francofurti Typis Nicolai Hoffmanni, sumptibus Theodori de Brij, Anno 1617.

4to. Pp. 47, (1 blank). With fine emblematic engraving by Theodore de Bry on title-page.