

8vo. 5 leaves, 92 pp.

Apparently this first part was all that was published. An entirely unrecorded book, of which there is no copy either in the British Museum or in the Bodleian. It refers to some experiments and observations based on a phosphorescent light, which came from the writer's chamber-pot. On the first page the writer refers to Nollet's book on electricity, just received by him.

SANTANELLI (Ferdinando).

Philosophiae Reconditae sive Magicae Magneticae Mumialis Scientiae Explanatio, Ex qua omnia naturalia Miracula, & Admirabilia fluunt, ac in intimis atque occultis Naturae visceribus introitus aperitur omnibus, & per omnia. Authore Ferdinando Santanello A Foreno Neapofis, Philosopho, ac in Regio Neapolitano Gymnasio Primario Praxis Medicae Professore. Coloniae. 1723.

4to. Pp. (7, 1 blank), 108.

First Edition.  
Ferguson II, 323.  
Caillet 9885.

Ferguson states that, though bearing the imprint of Cologne, the book looks as if it had been printed at London.

Bound up with : MAIER (M.). Secretioris Naturae Secretorum. 1687, q.v.

SARAVA (Giovanni).

Della Filosofia Naturale Libri Quattro. Doue Platonicamente, & Aristotelicamente si discorreno le principali materie Fisiche, le prime cagioni, & gli effetti loro, & i fini. Et in particolare si ragiona del Mondo, delle Meteorologie, de' Metalli, & virtù, & proprietà delle Pietre. Tradotta di Spagnuolo in uolgare da Alfonso di Ulloa . . . In Venetia, Per Plinio Pietrasanta, 1557.

8vo. 156 pp., 2 11. With printer's mark and numerous fine initials in woodcuts.

First Edition.  
Unknown to the bibliographers.

Dealing with natural philosophy, and on pp. 99-156, with metals and precious stones.

SARTON (George).

Introduction to the History of Science. Volume I : From Homer to Omar Khayyam. Volume II : From Rabbi Ben Ezra to Roger Bacon. Published for the Carnegie Institution of Washington. London, Bailliere, Tindall and Cox. 1927-31.

4to. Two volumes in three. I : 11 + 839 pp. II : 35 pp., sub-title. 1251 pp.

Bookplate of Prof. J. W. Mellor.

SATTLER (Christian Friedrich)].

Alethophili Sinceri Via Ad Transmutationem Metallorum Fideliter Aperta. Norimbergae, In Officina Cremeriana. 1742.

4to. 27 leaves. 304 pp.

Ferguson II, 386.  
Caillet 168,

[ SAUNIER DE BEAUMONT].

Lettres Philosophiques, Sérieuses, Critiques, et Amusantes. Traitant De la Pierre Philosophale, de l'Incertitude de la Médecine, de le Félicité temporelle de l'homme, de la Nature de l'Ame . . . des Génies, de la Magie, du Célibat, du Mariage, de la Comparaison des deux sexes .. & autres Sujets intéressans. A Paris, Au Palais, Chez Saugrain . . . 1733.

12mo. 6 11, 473 pp., 5 11.

First Edition.  
Caillet 9922.  
Bibl. Esoterica 4403.

A later edition in the de Guaita Catalogue (No. 2104).

SAURI.

Cours de Physique Expérimentale et Théorique, formant la dernière partie d'un cours complet de philosophie précédé d'un précis de Mathématiques qui lui sert comme d'Introduction. Paris, Chez Froulle. 1777.

12mo. 4 vols. I : 36 + 527 pp. 5 plates. II : 2 leaves + 774 pp. 1 folding table and 9 plates. III. 2 leaves + 768 pp. 1 plate. IV : 2 leaves + 552 pp.

The 8th section (pp. 1-505 in vol. III) is entirely chemical. It contains interesting references to Lavoisier's experiments on air and on fixed air and also refers to Priestley, Bergman and many others.

SAUSSURE (Nicolas Théodore de).

Recherches Chimiques Sur La Végétation. A Paris, Chez la Ve. Nyon . . . 1804.

8vo. 8 + 327 pp., 4 leaves index, 1 folding plate and 14 folding tables.

First Edition.  
Bolton I, 800.  
Poggendorff II, 757.

Nic. Th. de Saussure (1767-1845) was the son of H. B. de Saussure, the founder of hygrometry. " The book contains the theory on the formation of vegetable mould and the conversion of carbon dioxide into organic compounds under the influence of water and light." (Zeitlinger).

Bound with : SENEBIER, Recherches, 1783, q.v. SAUVAGEON (Georges).

Traicté Chymique Contenant Les Preparations, Vsages, facultez & doses des plus celebres & vsitez medicamens Chymiques. Reueu & augmenté en cette dernière Edition. Par G. Sauvageon D. M. Aggégé au College des Medecins de Lion. A Paris, Chez Jean Bessin, ruë de Reims près le College. 1643.

8vo. 6 11., 88 pp.

Joecher IV, 178.  
Schelenz, Geschichte der Pharmazie, p. 504.

The usual authorities on chemistry do not mention Georges Sauvageon, a doctor who flourished at Paris during the first half of the 17th century. I have an edition of Brice Bauderon, q.v., edited by Sauvageon.—In this interesting pamphlet, he mentions, in the " *Advertissement au Lecteur* ", Paracelsus and other chemists and alchemists ; the preface closes with an advertisement of the public lectures on chemistry in the Royal Gardens, Faubourg Saint-Victor.

## SAVONAROLA (Michele).

De Balneis et Terminis Naturalibus Omnibus Italiae sicque totius Orbis, Proprietatibusque earum. Venice, Christophorus de Pensis de Mandello, die XX Novembris (1496.)

Folio. 32 leaves. Roman characters. Double columns. 60-61 lines.

Hain-Copinger 14492.

Brit. Mus. Catalogue V, 470.

Early edition of the first special treatise on balneology, containing much information on the contemporary ideas of the chemistry involved.

## SCHAEFFER (Johann Gottlieb).

Haus-und Reise-Apotheke. Zweyte Auflage. Regensburg, verlegt Joh. Leopold Montag. 1768.

8vo. 12 leaves + 56 pp. + 8 leaves, the last blank.

## SCHAUBERT (Johann)

*ΚΑΤΟΠΘΟΖΟΦΙΑ* Id Est, Consummata sapientia seu Philosophia Sacra, praxis de lapide Minerali, Des Hocherfahrnen und Fürtrefflichen Philosophi Johannis de Padua, darinnen alles hell und Klar an Tag geben. II Epistola Iohannis Trithemii Abt von Spanheim, an Johan von Westeburgk geschrieben : Von den dreyen anfangen aller Natürlichen Kunst der Philosophiae. III. Epistola Iohannis Teutzschescheni Doctoris : De lapide Philosophorum. Vor niemals in Truck gangen. Durch Iohannem Schaubert, S. Chemicum in Nordthausen an Tag geben. Gedruckt zu Magdeburg, Im Jahr 1602.

4to. (72) 11. Title-page printed in red and black.

First Edition.

Ferguson (II, 329-30 ; only the 1681 edition is in the Young collection) quotes Schmieder, p. 238, and Kopp, Alchemie, I, 220 for this first edition, which he has never seen. No copy in the British Museum.

A very rare book, entirely alchemical, on the Magnum Opus, containing the treatises by Johannes de Padua (C<sup>4</sup>—P<sup>4</sup>), Trithemius (Q<sup>1</sup>—R<sup>1</sup>), and Johannes Teutzscheschen (12<sup>3</sup>—S<sup>4</sup>) ; the latter has references to Paracelsus, not recorded by Sudhoff " Des Hochgelarten Herrn Doctoris Valentij Antrapassi Sileriani Prologus über die Bücher Theophrasti Paracelsi."

Bound with : VOGEL, H. Offenbarung der Geheymussen der Alchimy. 1605, q.v.

## SCHEELE (Karl Wilhelm).

Chemical Observations and Experiments on Air and Fire. By William Scheele, Member of the Royal Academy at Stockholm ; With a preface introduction By Torbern Bergman; Translated from the German by J. R. Forster, L.L.D. and S.A., Member of several Learned Societies and Academies in Europe. To which are added Notes, by Richard Kirwan, Esq. F.R.S. with a letter to him from Joseph Priestley, L.L.D., F.R.S. London, Printed for J. Johnson, no. 72 St. Paul's Churchyard. 1780.

8vo. 40 + 259 pp. 1 plate.

First English Edition.

This work contains Scheele's discovery of oxygen, made independently of Priestley. He shows that air consists of two gases one of which supports combustion while the other does not. The former he identified with fixed air obtained from saltpetre, nitric acid, black oxide of manganese etc. He endeavoured to associate several phenomena with the action of this gas, particularly connecting it with the respiratory function and growth of plants.

There are some interesting notes at the end by Kirwan as well as an important letter to the latter by Joseph Priestley on the differences in views existing between Scheele and him (Priestley).

Traité chimique de l'Air et du Feu, avec une introduction de Torbern Bergmann. Ouvrage traduit de l'Allemand, par le Baron de Dietrich. A Paris, Rue et Hôtel Serpente, 1781.

12mo. Pp. i-xliv, 45-268. With folding plate, engraved by Sellier.

First French Edition of Scheele's most renowned work. The German original first appeared in 1777. Ferguson II, 331 (there was only a copy of the English translation of 1780 in the Young collection). Hofer II, 454.

The copy of Stanislas Meunier, the well-known French mineralogist, with his stamp on title-page.

## JOSEPH BLACK'S ANNOTATED COPY.

The Chemical Essays of Charles-William Scheele, translated from the Transactions of the Academy of Sciences at Stockholm with Additions. London, Printed for J. Murray, no. 32 Fleet Street ; W. Gordon and C. Elliott, Edinburgh. 1786.

8vo. 13 pp., leaf of contents, 406 pp.

Bolton I, 802.

A collection of some of the author's most important memoirs, edited by Thomas Beddoes. It contains accounts of his discovery of hydrofluoric, tartaric, benzoic, arsenious, molybdic, lactic, citric, malic, oxalic, gallic and other acids. He also separated independently chlorine, baryta, oxygen, glycerine, 1-12S and obtained the salts of manganese and showed how the latter coloured glass.

Profusely annotated throughout by the great Joseph Black. These notes constitute important amendments and are not just corrections of translation. The illustration in the present catalogue shows a note relative to the desirability of inserting an abstract of Macquer's experiments at this point, and this, together with other evidence, leads to suggest that Black seriously considered editing a second edition.

SEE ILLUSTRATION ON PLATE XIII.

Opuscula Chemica et Physica. Latine vertit Godofredus Henric. Schaeffer Lipsiensis. Edidit et Praefatus est D. Ernestus Benjam. Gottl. Hebenstreit. Lipsiae, In Officina libr. Io. Godofr. Muellieriana. 1788-89.

8vo. 2 vols. I : 4 II., 284 pp. II : 3 II., 284 pp., 10 leaves.

First Edition in Latin, containing not only the " Observations on Air and Fire," Scheele's most important work, but also other interesting papers on tartaric acid, manganese, etc.

Ferguson II, 330.

Bolton I, 802.

The Collected Papers. Translated from the Swedish and German Originals by Leonard Dobbin, lately reader of Chemistry in the University of Edinburgh. London, G. Bell & Sons Ltd. 1931.

8vo. 15 ± 367 pp. Frontispiece.

A Series of Experiments . . . on Sparry Fluor. 1772. See : FORSTER (J. R.).

SCHINZ (Salomon).

Dissertatio Physico-Medica Inauguralis de Calce Terrarum Et Lapidum Calcariorum quam annuente summo numine ex auctoritate Magnifici Rectoris Bernhardini de Moor . . . necnon amplissimi Senatus Academici Consensu et nobilissimae Facultatis Medicae Decreto pro Gradu Doctoratus summisque in Medicina Honoribus et Privilegiis rite ac legitime consequendis eruditorum examini submittit Salomon Schinz Thurico-Helvetius ad diem 22 Maji 1756 hora locoque solitis. Lugduni Batavorum, apud Johannem Luzac. 1756.

4to. 4 leaves (the first blank) + 49 pp. + 3 leaves (the last blank). Engraving on last leaf.

Dissertatio Physica de Aere ejus speciebus praecipue de Aere Fixo Lapidis Calcarii quam publico examini offert Salomon Schinz Med. Doct. atque Auxiliante Deo pro consequendo examine philosophico defendunt Johannes Gutmannus, Johannes Brunnerus etc. Turici (Zürich), Officina Gessneriana. 1778.

Small 4to. Title + 38 pp. Woodcut of apparatus on verso of title.

An early investigation on carbon dioxide. Dedication copy from the author to de Saussure with inscription.

Dissertatio Physico-Chemica de Stanni et ejus miscelae cum Plumbo in re oeconomica usu . . . Tiguri (Zürich), Ex Officina Gessneriana. 1770.

4to. 1 l., 23 pp.

On alloys of tin and lead, and their use in industry.

SCHLÜSSEL.

Schlüssel der wahren Weisheit, unter einem Gespräch eines wohlverfahrenen Sophisten mit der Weisheit in dreyen Theilen mit einem Supplement, worinn das ganze mineralische, animalische, vegetabilische und astralische Reich aufgeschlossen, und J. G. Toeltii coelum reseratum chymicum von Capitel zu Capitel ausgelegt und erläutert wird. Zum erstenmal mit der grössten Genauigkeit und Auflösung aller nur zum Irrthum Anlass gebenden chymischen Zeichen und Abkürzungen zum Druck befördert. Leipzig, bey Adam Friedrich Böhmen. 1787.

8vo. Pp. viii, 440.

Ferguson II, 336.

According to the preface the first part of this Rosicrucian book had already appeared at Ulm in 1772, edited by the author of "Medicinisich-chymisch-und alchemistisches Oraculum." Another edition had appeared in Schröder's "Neue Sammlung der Bibliothek für die höhere Naturwissenschaft," (vol. II). Both editions were incomplete however.

SCHLÜTER (Christoph Andreas).

Gründlicher Unterricht von Hütte-Werken, Worin gezeigt wird, Wie man Hütten-Werke auch aile dazu geWirige Gebäude und Oefen aus dem Fundament recht anlegen solle, auch wie sie am Hartz und andern Orten angeleget sind. Und wie darauf die Arbeit bey Gold-Silber-Kupfer-und Bley-Ertzen, auch Schwefel-Vitriol-und Aschen-Werken geführet werden müsse. Nebst einem vollständigem Probier-Buch, darin entlnalten wie allerley Ertze auf aile Metalle zu probieren, die Silber auf unterschiedene

Art fein zu brennen, Gold und Silber mit Vorthail zu scheiden und alles, so dazu gehöret, zu verrichten. Mit verschiedenen zu beyden Theilen gehörigen und nach dem Maass-Stabe verfertigten Kupfern auch nütthigen Registern herausgegeben Von Christoph Andreas Schlüter, Königl Gross-Brittannischen, auch Chur- und Fürstl. Braunschweig-Lüneburgischen Zehndner am Unter-Hartz . . . Braunschweig, gedruckt bey Friedrich Wilhelm Meyer. 1738.

Folio. 10 leaves, 612 pp., 34 leaves, 198 pp., 12 leaves. With engraved frontispiece and 58 fine large plates.

First Edition of the most important mining book of the 18th century. Schlüter was an official in British pay at Braunschweig and he dedicates his book to George II. He describes not only German mines, but also those of England, Scotland, Scandinavia and South-Eastern Europe. The second part is a "Probier-Buch".

SCHMEIDLER (Cari).

Historical Survey of Pharmacy in Great Britain. London, Geo. Marshall & Co., n.d.

8vo. 2 leaves + 91 pp.

SCHMID (Rudolph Johann Friedrich).

Enchiridion Alchymico-Physicum sive Disquisitio de Menstruis Universalibus vel Liqueuribus Alchaestinis Philosophorum illorum aequae ac Tincturae et Lapidis Philosophorum nec non viarum ad Tincturam Metallorum ducentium distinctam cognitionem generatim suppeditans, et hoc modo totius Philosophiae Pyrotechnicae Fundamenta Philosophorum Auctoritate, Experientia, pariter et firmissimis Rationibus fulta ante Oculos ponens in Philochemicorum Gratiam non minus ac Pyrosophiae Secretioris Incrementum adomatum atque editum a Rud. Jo. Frid. Schmidio Medicinae Doctore & Practico. Jenae Ex officina Buchiana. 1739.

8vo. Pp. (18), 155, (5). Title red and black. The frontispiece is missing.

First Edition. Ferguson II, 337.

At the end of the book there is an "Appendix seu Epistola Jo. Trithemii Abbatis ad Germanum de Ganay data."

SCHMIDT (Alfred).

Die Kölner Apotheken von der ältesten Zeit bis zum Ende der reichstädtischen Verfassung. Vornehmlich auf Grund des von Friedrich Bellingrodt gesammelten Materials. Bonn, Peter Hansteins Verlag. 1918.

8vo. 10 pp., subtitle, 160 pp. 25 plates.

SCHMIEDER (Karl Christoph).

Geschichte der Alchemie. Halle, Verlag der Buchhandlung des Waisenhauses. 1832.

8vo. 10 + 613 pp.

Bolton I, 155.

A scarce book, never reprinted, and of value to the historian of alchemy. Schmieder recognised two distinct sciences, chemistry and alchemy, and claimed that they had existed independently of each other since the earliest times. He endeavours to establish by historic evidence the reality of the transmutation of metals and this is rather extraordinary when one considers that he was Director of a High School in Cassel in the second quarter of the enlightened XIXth century.

## CHMUCK (Martin).

Secretorum Naturalium, Chymicorum, & Medicorum, Thesauriolus, Oder Schatzkästlein, Darinnen 20. Natürliche, 20. Chymische, vnd 20. Medicinische Secreta, vnd Kunst Stücklein zu befinden. Durch vielfaltige Reisen, Mühe vnd Gefahr colligiret, vnd an Tag gegeben. In Verlegung Johan Birckners, Buchh. zu Erfurd. Gedruckt zu Schleusingen durch P.S. Im Jahr 1637.

Pp. 80, (1), 3 blank.

Ferguson (II, 338), who had only seen the second edition, Nürnberg 1652, says that according to Nopitsch this is the first part and that a second part was published at Nürnberg in the same year. Both parts were re-issued at Nürnberg in 1652-53.

## SCHNAUBERT (Ludwig).

Untersuchung der Verwandtschaft der Metalloxyde zu den Säuren. Nach einer Prüfung der neuen Berthollet'schen Theorie. Erfurt, in der Hennings'schen Buchhandlung. 1803.

8vo. 10 + 126 pp. Folding table.

Poggendorff II, 824.

Bolton I, 815.

Bookplate of Professor J. W. Mellor.

## SCHNURR (Balthasar).

Kunst- Hauss- und Wunder-Buch, Darinnen allerhand nützliche Sachen, Wunder- und Kunst-Stücke begriffen. Auff's neue wiederumb verbessert : Männiglich zu grossem Nutz über vorige Edition, mit noch zwölf nutzbaeren Büchern vermehret, und mit einem nützlichen Register, wie auch schönen Kupferstücken gezieret. Mit Röm. Kayseri. Mayt. Freyheit. Franckfurt am Mayn : Bey Wilhelm Serlin. Im Jahr 1664.

Thick 8vo. 8 leaves (including the engraved frontispiece), 1376 pp., 12 leaves. 20 plates and 12 folding tables.

Contains on pp. 590 to 647 a " Probierbüchlein " with a mining dictionary. A " Salpeter und Pulverbüchlein " followed by " Feurwerckbüchlein " on pp. 1034-1069. Long sections on cookery, medicine, wine and beer, etc., etc. This work seems to have remained unknown to Ferguson who made a special study of such books. The first edition appeared in 1615 (see Rosenthal, Bibliotheca Magica, No. 6897, where an imperfect copy is described). The present edition has been very much enlarged and also illustrated.

There is a long section on hunting and the book is mentioned in the Schwerdt Catalogue (IV, p. 84). See Joecher (IV, p. 317) for the author.

## SCHÖNAU (Friedrich Christian)] pseud. PHILANDER (Joachim).

Das Goldene Kalb, Ein Götzenbild der Anbetung. Oder Physico-Critico-Patheologico-Moralische Untersuchung der Natur und Wirkung des Goldes, welche die wunderbare Kraft, die es über die Gemüther der Menschen hat, und die erstaunenswürdigen Veränderungen, so es darinn verursacht, anzeigt. Nebst einer Nachricht von den Wundern des Psychoptischen Spiegels, der neulich erfunden ist. Aus dem Englischen übersetzt. Hamburg, in der Hertelschen Handlung, im Dom. 1745.

8vo. Pp. (2), 318, (4). With vignette on title, J. Haas inv. et sculp.

First Edition.

Ferguson II, 197.

Kopp, Alchemie, II, 380.

This is a satirical work in Swift's manner. In spite of its title it has not been translated from the English but was originally written in German.

## SCHORLEMMER (Cari).

A Manual of the Chemistry of the Carbon Compounds. London, Macmillan. 1874.

8vo. 12 + 512 pp.

Der Ursprung und die Entwicklung der Organischen Chemie. Braunschweig, Friedr. Vieweg und Sohn. 1889.

8vo. 3 leaves, 199 pp.

## SCHOTT (Caspar).

Technica Curiosa, Sive Mirabilia Artis, Libris XII. Comprehensa ; Quibus varia Experimenta, variaque Technasmata Pneumatica, Hydraulica, Hydrotechnica, Mechanica, Graphica, Cyclometrica, Chronometrica, Automatica, Cabalistica, aliaque Artis arcana ac miracula, rara, curiosa, ingeniosa, magnamque partem nova & antehac inaudita, eruditi Orbis utilitati, delectationi, disceptationique proponuntur. Ad Eminentissimum S.R.I. Principem Joannem Philippum Elector. Mogunt. . . . Sumptibus Johannis Andreae Ehdteri, & Wolfgangi Junioris Haeredum. Excudebat Jobus Hertz Typographus Herbipol. Anno 1664. Prostant Norimbergae apud dictos Endteros.

4to. 20 leaves, 1044 pp., 8 leaves. With 62 plates (but lacks plate 36 in part I).

First Edition.

Ferguson (II, 339-40) does not mention this book.

Contains descriptions of the aerostatic experiments of Guericke and Boyle, perpetual motion machines, diving bell, chronometer, barometer, etc., etc.

## SCHRICK (Michael).

Von den aussgepranten Wassern, In welcher mass man die nutzen und prauchen sol, zu gesunthayt der menschen. (At end :) Augsburg, Hans Froschauer. 1521.

4to. 12 leaves. Fine woodcut on title-page.

Michael Puff (1400-1473) of Schrick, a little village in Austria, was a teacher at Vienna University. His tract on distillation, in which about 70 different extracts from herbs are dealt with, was often printed during the 15th and 16th centuries ; all these editions are rare. The woodcut is reproduced (from the 1474 edition) in Ferchl & Süssenguth, " Pictorial History of Chemistry," 1939, (p. 52). Kopp (Chemie IV, 278) appears to be the only historian who mentions this author.

## SCHRÖDER (Johann).

The Compleat Chymical Dispensatory, in Five Books : Treating of all sorts of Metals, Precious Stones, and Minerals, of all Vegetables and Animals, and things that are taken from them, as Musk, Civet, &c. How rightly to know them, and how they are to be used in Physick ; with their several Doses. The like Work never Extant before. Being very proper for all Merchants, Druggists, Chirurgions, and Apothecaries ; and such ingenious