

HERMETISCHES A.B.C.

Hermetisches A.B.C. derer ächten Weisen alter und neuer Zeiten vom Stein der Weisen. Ausgegeben von einem wahren Gott- und Menschenfreunde. Erster (Zweiter, Dritter, Vierter und letzter) Theil. Berlin 1778 (-1779). Bey Christian Ulrich Ringmacher in Commission.

Cr. 8vo. 4 vols.

Facsimile reprint published by Hermann Barsdorf Verlag, Berlin, in 1915. It forms volumes V to VIII of the collection : " Geheime Wissenschaften.

On the Hermetisches A.B.C., important collection of extracts from the alchemical literature of the 17th and 18th century, see Ferguson (1, 397-398), who gives a list of the contents of the 4 volumes.

HERMETISCHER ROSENKRANTZ.

Hermetischer Rosenkrantz, das ist : vier schöne, auserlesene Chymische Tractätlein ; Allen Liebhabern dieser edlen Kunst zum besten aus dem Lateinischen ins Teutsche übersetzt, und nun zum zweytenmal in Druck gegeben. Franckfurt am Mayn, Bey Johann Friedrich Fleischer, 1747.

8vo. Pp. 112.

This is the second edition, the first one appeared in 1682.

Ferguson I, 397.

Bolton I, 991.

Caillet 5106.

The following are the 4 chemical tracts contained in this collection. Arterphius. Geheimes Buch von der geheimen Kunst und Stein der Weisen (p. 7-50). Garlandius (Joh.). Compendium Alchimiae, oder Erklärung der Smaragdischen Tafel Hermetis Trismegisti von der Chimia (p. 51-80). Arnaldus de Villa Nova. Erklärung über den Commentarium Hortulani (81-98). Bernhardus Trevirensis. Ein schöner absonderlicher Tractat vom Stein der Weisen. Aus dem Latein ins Teutsche übersetzt.

HERMOGENES.

Des aufrichtigen Hermogenis Apocalypsis Spagyrica et Philosophica oder Wahrhaffter und untrüglicher Weg zu der höchsten Medicin, sowol auf menschliche als metallische Körper zu gelangen ; Wobey die gantze Operation in der Tabula Hermetis et Salomonis entworffen, wie auch die vielen schädlichen Irr-und Abwege der Sophisten, ungeschickter Laboranten und Gold-Kocher sattsam gezeigt und entdeckt werden. Leipzig, 1739. In Johann Samuel Heinsii Buchladen.

8vo. Pp. 224.

First Edition.

Ferguson (I, 399) ; no copy in Young Collection.

Caillet 5111.

Caillet mentions a plate for the " Tabula Hermetis et Salomonis," not contained in this copy.

HERPIN (Jean Charles).

Recreaciones Químicas, o Coleccion de Esperiencias Curiosas e Instructivas, a las que se ha Añadido : un Compendio Elemental de Química, la Explicacion Razonada de los Fenomenos Producidos en las Diversas Esperiencias, y en fin su aplicacion a la economia

domestica o a las artes. Por Herpin, Profesor de Ciencias Físicas ... etc. Traducidas del Frances, y corregidas nuevamente por un Profesor de Química. Barcelona, Imprenta de M. Sauri y Compania, 1829.

Sm. 4to. 2 vols. in one. 5 leaves + 284 pp. 2 leaves + 232 pp. + 2 leaves list of subscribers. 3 folding plates.

The French edition appeared in 1824.

HEYDON (John).

The Wise-Mans Crown : Or, The Glory Of the Rosie-Cross. Shewing The Wonderful Power of Nature, with the full discovery of the true Coelum Terrae, or first matter of Metals, and their Preparations into incredible Medicines or Elixirs that cure all Diseases in Young or Old : With the Regio Lucis, and holy Houshold of Rosie Crucian Philosophers. Communicated to the World By John Heydon, Gent. A Servant of God, and Secretary to Nature. . . London : Printed for the Author ; and are to be sold by Samuel Speed at the Rainbow in Fleetstreet. 1664-1665.

8vo. Fine engraved portrait. (T. Cross sculptsit), printed title, 20 leaves, 54 pp., 2 leaves, 44 pp.

Gardner, No. 307.

The book is divided into three parts and each part has a different title-page, the second is dated 1665. Heydon was one of the famous astrologers of the Restoration, together with Lilly and Gadbury. In 1656 he married Nicholas Culpepper's widow. He professed not to be a member of the Rosicrucian Order, but certainly explained the Rosicrucian principles in his books. An account of his life is prefixed to the present book.

This work is extremely rare.

For a good account of Heydon's activities, see Dick (Journal History of Medicine I, 310-315 [1946]).

HIGGINS (Bryan).

Syllabus of Doctor Higgins's Course of Philosophical Pharmaceutical and Technical Chemistry. (London, 1775.)

8vo. 112 pp.

With the author's inscription to John Walsh, F.R.S., private secretary to Lord Clive. Higgins was a phlogistonist and describing the effects of calcining lead he states the views of Kirwan and Lavoisier and concludes : " I am forced to adopt a new notion, that the air -imbibed during the calcination of lead, unites with the phlogistic and earthy matter, but expels little or none of the former, and that little or none of the phlogiston used in the reduction of the minium, enters into, or contributes to die weight of the lead, but that it is almost wholly expended in combining with the pure air of the cet and facilitating the expulsion of it." This conclusion is really an attempt at finding a compromise between the newer views of Lavoisier and the old phlogiston theory. Higgins has a place in the history of the development of the Atomic Theory (cf. Partington, Annals of Science IV, pp. 269 et seq.).

Syllabus of Doctor Higgins's Course of Philosophical Pharmaceutical and Technical Chemistry. (London, 1775.)

8vo. 112 pp.

An interesting copy enlarged to 4to size and interleaved with very copious and neatly written manuscript annotations. These very extensive notes are possibly by the author himself.

Experiments and Observations made with the View of Improving the Art of Composing and Applying Calcareous Cements and of preparing Quick-lime : Theory of these Arts, and Specification of the Author's cheap and durable Cement for Building, Incrustation or Stuccoing and artificial Stone. London, Printed for J. Cadell, opposite Catherine Street in the Strand, 1780.

8vo. 11 + 233 pp.

Experiments and Observations relating to Acetous Acid, Fixable Air, Dense Inflammable Air, Oils, and Fuel ; The Matter of Fire and Light, Metallic Reduction, Combustion, Fermentation, Putrefaction, Respiration, and other Subjects of Chemical Philosophy. By Bryan Higgins, M.D. London : Printed for T. Cadell, in the Strand, 1786.

8vo. Pp. xvi, (1, 1 blank), 353, errata leaf.

First Edition.

Bolton I, 530.

Kopp, *Gesch. d. Chemie*, III, 362.

" His best-known work, which appears also to have formed the subject of some of his lectures. He was more successful as a speculator than as an experimentalist, and many of his views are, for their time, remarkable for their acuteness and generalising character." (D.N.B.)

HIGGINS (William).

An Essay on the Theory and Practice of Bleaching, wherein the Sulphuret of Lime is recommended as a Substitute for Pot-Ash. London : Printed for the Author ; and sold by Vernor and Hood . . . 1799.

8vo. 32 + 71 pp.

The preface is highly interesting, e.g. : " Sulphuric acid consists of one part of sulphur and two of oxygen chemically united." It forms a contribution to the phlogiston theory, but the author daims as his own two discoveries ascribed to Fourcroy and Vauquelin respectively.

Experiments and Observations on the Atomic Theory and Electrical Phenomena. London, 1814.

8vo. 3 leaves -I- 180 pp.

An attack on Dalton whom the author claimed to have anticipated.

HILL (Sir John).

Theophrastus's History of Stones. With an English Version, and Critical and Philosophical Notes, Including the Modern History of the Gems, etc. described by that Author, and of many other of the Native Fossils. To which are added, Two Letters : one to Dr. James Parsons, F.R.S., on the Colours of the Sapphire and Turquoise. And the other to Martin Folkes, Esq., Doctor of Laws, and President of the Royal Society ; Upon the Effects of different Menstruums on Copper. Both tending to illustrate the Doctrine of the Gems being coloured by Metalline Particles. London, Printed for C. Davis, against Grey-Inn in Holborn, Printer to the Royal Society, 1746.

8vo. 23 + 211 pp.

Ferguson I, 406, but there was no copy of any edition in the Young Collection.

The only English translation of this work and having the Greek and Latin texts printed on opposite pages. The book is rare and is Hill's first scientific publication.

John Hill (1716-1775) was trained as an apothecary. He was a miscellaneous writer whose satirical and miscellaneous writings involved him in squabbles. Failing to obtain the requisite number of names for his nomination to the R.S. he published his " Review of Works of the Royal Society " (q.v.) and, incidentally, also squabbled with Woodward, the comedian, and was publicly thrashed at Ranelagh by an Irishman named Brown. Because his farce called " The Rout " was hissed off the stage he made a series of venomous attacks on Garrick.

Hill became a quack and prospered, but died of the gout—a disease for which he claimed to have an invaluable specific. His writings are very numerous and include several on fossils and mineralogy. He was a versatile man of unscrupulous character with considerable abilities, great perseverance and unlimited impudence. (D.N.B.)

A Review of the Works of the Royal Society of London, containing Animadversions on such of the Papers as deserve Particular Observation. In eight parts : under the several Heads of Arts, Antiquities, Medicine, Miracles, Zoophytes, Animals, Vegetables, Minerals. London, Printed for R. Griffiths, at the Dunciad in St. Paul's Churchyard, 1751.

4to. 8 + 265 pp., 1 leaf.

An attack on the Royal Society, in which the Philosophical Transactions are ridiculed. In all probability the attack was not entirely undeserved and had some good effect.

Traité des Pierres de Théophraste Traduit du Grec, avec des notes Physiques & Critiques, traduites de l'Anglois de M. Hill, auquel on a ajouté deux Lettres du même Auteur, l'Une au Docteur Parsons sur les couleurs du Saphir et de la Turquoise & l'autre a M. Folkes, Président de la Société Royale de Londres, sur les effets des différens Menstrués sur le Cuivre. A Paris, Chez Jean-Thomas Hérisant, Libraire, rue S. Jacques, à S. Paul & à S. Hilaire, 1754.

12mo. 24 287 pp.

The French translation of the English edition of 1746, mentioned by Ferguson (I, 406). This edition has not the Greek text.

Spatogenesis. The Origine and Nature of Spar its Qualifies and Uses with a Description and History of Eighty-Nine Species arranged in 1 (an artificial and 2) a natural method. A specimen of a General Distribution of Fossils. London, Printed for P. Elmsly in the Strand, 1772.

8vo. Title 64 pp., folding plate.

Theophrastus's History of Stones. With an English Version and Notes, including the Modern History of the Gems described by that author, and of many other of the Native Fossils. To which are added two Letters : I. On the Colours of the Sapphire and Turquoise. II. Upon the Effects of Different Menstruums on Copper. Both tending to illustrate the Doctrine of the Gems being coloured by Metalline Particles. The Second Edition, enlarged by the addition of a Greek Index of all the Words in Theophrastus. Also Observations on the New Swedish Acid, and of the Stone from which it is obtained, and with an Idea of a Natural and Artificial Method of Fossils. London, Printed for the author, 1774.

8vo. 8 + 342 pp., 23 leaves Index.

HILLARY (William) M.D.

An Inquiry into the Contents and Medicinal Virtues of Lincomb Spaw Waters, near Bath. London, Printed for J. Leake, Bookseller in Bath and sold by C. Hitch, in Pater Noster Row, 1742.

8vo. 8 + 72 pp. Folding plate.

Contains details of chemical experiments and analyses carried out with Lincomb Water. The author, a pupil of Boerhaave, practised at Ripon, Bath, and in the Barbadoes, and his observations on Barbadoes diseases were annotated by Benjamin Rush in 1811.

HIME (Lieut. Colonel Henry W. L.).

Gunpowder and Ammunition. Their Origin and Progress. London, Longmans, Green & Co., 1904.

8vo. 5 leaves, 256 pp., 40 pp. catalogue of books.

HIORTDAHL (Th.).

Fremstilling af Kemiens Historie. Christiania (Oslo), I Kommission hos Jacob Dybwad 1906-1907.

8vo. 3 vols. in one. I : 2 leaves, 86 pp., 1 blank leaf. II : 3 leaves, 75 pp. III : 2 leaves, 151 pp. An uncommon history of chemistry.

HITTORF (Dr. J. W.) and PLOCKER (Dr. J.).

On the Spectra of Ignited Gases and Vapours with especial regard to the different spectra of the same elementary Gaseous Substance. Neudruck aus den Philosophical Transactions of the Royal Society of London for 1865, vol. 155, veranstaltet zum 80. Geburtstag Wilhelm Hittorfs. Leipzig, Verlag von Johann Ambrosius Barth, 1904.

4to. 4 + 39 pp. Portrait and three plates.

HARNE (Urbanus).

Actorum Chemicorum Holmiensium Tomus Primus (-Secundus), hoc est Parasceve sive Praeparatio ad Tentamina, in Reg. Laboratorio Holmiensi Peracta, ut et Compendiosa Manuductio ad Elementa et Principia Chemica rite Investiganda cum annotationibus Joh. Gottschalk Wallerii. Stockholmiae, typis et impensis Laur. Salvii, 1753.

8vo. 2 vols. in one. I : 18 pp. 1 leaf + 283 pp. + 4 leaves. Frontispiece and two plates. II : 11 + 194 pp. + 5 leaves.

Ferguson I, 407.

Meyer, p. 153.

Bolton I, 533/4 (with erroneous collation).

Contains the description of work done in a laboratory established by Charles XI of Sweden in 1679.

HJELT (Dr. Edvard).

Geschichte der Organischen Chemie von ältester Zeit bis zur Gegenwart. Braunschweig, Friedr. Vieweg & Sohn, 1916.

8vo. 12 + 556 pp.

This work deals entirely with the development of chemistry during the 19th century.

HOEFER (Ferdinand).

Histoire de la Chimie depuis les Temps les plus reculés jusqu'à notre époque; comprenant une analyse détaillée des Manuscrits Alchimiques de la Bibliothèque Royale de Paris, un exposé des doctrines Cabalistiques sur la Pierre Philosophale, l'Histoire de la Pharmacologie, de la Métallurgie, et en général des Sciences et des Arts qui se rattachent à la Chimie etc. Paris, Au Bureau de la Revue Scientifique . . . 1842-1843.

8vo. 2 vols. I : 6 leaves, 510 pp. II : 4 leaves, 518 pp.

First Edition.

Bolton I, 119: "A work of great research, especially in regard to earliest authentic records as derived from ancient manuscripts, though in this respect now supplanted by the magnificent 'Collection des Alchimistes Grecs' of Berthelot. The whole work is a valuable compendium, especially for those unfamiliar with the language of Kopp's Geschichte." "

Histoire de la Chimie par Ferdinand Hoefner. Deuxième Edition, revue et augmentée. Tome Premier (Tome Second). Paris Librairie de Firmin Didot Frères, Fils et Cie., Imprimeurs de l'Institut, Rue Jacob, 56. 1866-69.

2 vols. 8vo. Pp. x, (1, 1 blank), 542, (2 blank), (10), 615, (1 blank).

This is the second and best edition.

HÖPFNER (Heinrich Ferdinand).

De Alchemia Medicinae Necessaria et Medicamento Chemicorum Panchresto, Dissertatio Medica. Quam Inauguralem Serenissimo ac Potentissimo Principe ac Domino Dno Friderico II. Hassiarum Landgravi Reliqua, . . . Pro Legitime Obtinendi Gradum Docturis Licentia ad Diem XXII. Nov. MD CCLXXXVI. H.L.Q.G.- Publico Examini Submittit Henricus Ferdinandus Hoepfner Saxo Misnigus, e Pago Grünhaynichen. Marburgi Cattorum, Typis Mülleri Impressa, (1776).

4to. (1, 1 blank), 46.

The author is not mentioned in Hirsch's "Biographisches Lexicon der Ärzte."

A rare medical dissertation written in defence of Alchemy. It consists of two parts, the first (pp. 2-22) being called : "Alchemia generatim necessaria," the second (pp. 22-46) being called "Pharmacum Chemicorum Catholicum speciatim consideratum."

HOFFMANN (Friedrich).

Exercitatio Medico-Chymica de Cinnabari Antimonii, ejusque eximiis Viribus, usuque in morbis secretiori, quo ipso via ex illa veram panaceam conficiendi aperitur. Adjecta sunt Experimenta ac Ratiocinia varia curiosa. Lugduni Batavorum, Apud Petrum Van der Aa, Bibliopolam, 1685.

12mo. Pp. (1-10, engraved title, A. Schoonebeck fec., Lugd. Bat. 1684, included), 11-157, (2, 1 blank).

Ferguson I, 408,
Gmelin II, 181.

"Antimony cinnabar (or trisulphide of antimony) as the true panacea ! It is used nowadays only in oil painting and as a distemper. The substance was already known to Basilius Valentinus, but the work is of interest as the very first of the author's numerous writings" (Zeitlinger). According to Gmelin, there were 2 other editions of this book : Jena 1681, 4to, and Halle 1746, 4to.

Observationum Physico-Chymicarum Selectiorum Libri III. In quibus multa curiosa Experimenta et lectissimae Virtutis Medicamenta Exhibentur ad Solidam et Rationalem Chymiam Stabiliendam Praemissi. Halae, Prostat in Officina Libraria Rengeriana, 1722.

4to. 14 leaves, 378 pp., 11 leaves. Engraving on title.

First Edition.
Kopp I, p. 196.

Ferguson (I, 409) does not mention this first edition ; the Young Collection had an edition of 1740.

Bolton I, 537.

This work contains the author's most important chemical works. Hoffmann opposed the iatrochemical views of Sylvius and Tachenius. He invented "Hoffman's Anodyne" still in use in the British Pharmacopoeia.

Hoffman's experimental investigations were largely concerned with the examination of mineral waters and he did much towards perfecting the analytical methods of his time. He showed that sulphates are not the same as nitrates and that the base (or calx) from alum is different from that of chalk ; hitherto such calxes were considered identical.

New Experiments and Observations upon Mineral Waters directing their farther use for the Preservation of Health and the Cure of Diseases by the late Dr. Friderick Hoffman, Counsellor and Physician to the King of Prussia, and Fellow of the Royal Society, extracted from his several essays upon this subject and illustrated with notes. The second edition to which is added, by way of Appendix, An Enquiry into the Contents Virtues and Uses of the Scarborough Spaw Waters With farther Directions for examining any other Mineral Water by Peter Shaw, M.D. London, Printed for T. Longman, in Pater-noster-Row, 1743.

8vo. 10 194 pp., 7 leaves index. Half-title, 8 pp., 1 leaf, 166 pp., 4 leaves index, advertisement leaf for Mineral Waters sold by John Fiddes.

Both works here united under a general title-page are by well-known authorities on matters chemical and medical and both contain much of interest to the student of the history of chemistry.

HOFMANN (August Wilhelm von).

Harrogate and its Resources. Chemical Analysis of its Medicinal Waters. Report addressed w the Chairman of the Harrogate Water Committee by A. W. Hofmann, F.R.S. . . . with an appendix on the modes of their administration. By the Committee. London, 1854.

8vo. 54 pp. Several illustrations of apparatus.
Waring, p. 792, gives the date as 1855.

A collection of papers, ail reprints or excerpts from the Proceedings of the Royal Society, except the first which is reprinted from the Quarterly Journal of the Chemical Society.

Bound in an 8vo volume.

(1) On Ammonia and its Derivatives. 1859. 116 pp. (2) Researches on the Phosphorous-Bases. No. V. Diphosphorous-Compounds. No. VI. Phosphammonium Compounds. 1859. (3) New

Researches on the Phosphorus Bases. 1872. (4) Researches on the Colouring Matters derived from Coal-tar. No. IV. Phenyltolylamine. 1864. (5) Contributions to the History of Methyl Aldehyde. 1867. (6) Contributions towards the History of Thiobenzamide. 1870. (7) Colouring Matters derived from Aromatic Azodiamines. 1873. (8) On the Action of Trichloride of Phosphorus on the Salts of the Aromatic Monamines. 1866. (9) Colouring Matter derived from Aromatic Azodiamines. By A. W. Hofmann and A. Geyger. 1872. (10) Transformation of the Aromatic Monamines into Acids richer in Carbon. 1867. (11) On a new class of Bodies homologous to Hydrocanic Acid. On a New Series of Bodies homologous to Hydrocanic Acid. 1867. (12) Compounds Isomeric with Sulphocyanic Ethers. II. Homologous and Analogous of Ethylic Mustard-Oil. (13) Notes and Researches on the Poly-Ammonias. No. XVI. Triatomic Ammonias. 1861. No. VIII. Action of Nitrous Acid upon Nitrophenylenediamine. 1860. (14) Contributions towards the History of the Ethylene Bases. 1871. (15) Contributions towards the History of the Monamines. No. VI. Note on the Action of Iodide of Methyl on Ammonia. 1863.

On Mauve and Magenta. A Lecture delivered on Friday, April 11, 1862, in the Theatre of the Royal Institution of Great Britain. London, 1862.

8vo. 16 pp. With three specimens of the colours at end.

Introduction to Modern Chemistry Experimental and Theoretic. Embodying twelve Lectures delivered in the Royal College of Chemistry, London. London : Walton & Maberley, 1865.

8vo. 15 233 pp. Illustrated.

A thick paper copy, inscribed by the author to Sir William Ramsay.

Bericht über die Entwicklung der Chemischen Industrie während des letzten Jahrzehends im Verein mit Freunden und Fachgenossen erstattet von Dr. A. W. Hofmann, Professor der Chemie an der Universität Berlin. Autorisierter Abdruck aus dem "Amtlichen Berichte über die Wiener Weltausstellung im Jahre 1873." Band III. Abtheilung I. Braunschweig, Druck und Verlag von Friedrich Vieweg und Sohn. 1875.

8vo. Pp. (14), 1044, (1, 1 blank).

Bolton, 1,119.

This is Part 1 and 2 only. A third part appeared in 1877.

A collection of reports on the development of the chemical industry during the last 10 years, by A. Oppenheim, E. Frankland, H. Meidinger, E. Mylius, A. Barbaglia, R. Hasenclever, M. Seidel, A. Geyger, O. Liebreich, A. v. Schrötter, R. Biedermann, O. Braun, E. Meyer, F. Tiemann, K. Kurtz, A. Frank, H. Grüneberg, A. Wurtz, H. Landolt, A. Smith, A. Benzoin, R. Hoffmann, C. Sarnow, S. Schuize, J. Uppenkamp, J. Philipp, A. Gurit, A. Patera, J. Bendix, Künzel B. Kerl, C. F. Stahlschlundt, C. Rammelsberg, W. Odling, C. Winkler, Th. Goldschmidt and J. Roth.

Berliner Alchemisten und Chemiker. Rückblick auf die Entwicklung der Chemischen Wissenschaft in der Mark. Rede gehalten zur Feier des Stiftungstages der Miller-Arztlichen Bildungsanstalten am 2. August 1882. Berlin, A. W. Schade's Buchdruckerei.

8vo. 80 pp.

See also under LIEBIG, Life-work (1875).

HOGHELANDE (Theobald von).

De Alchemiae Difficultatibus . . . in quo docetur quid scire, quidq ; vitare debeat verae Chemiae studiosus ad perfectionem aspirans : Et multae Philosophorum Propositiones obscurae & difficiles explicantur. Coloniae Agrippinae, Apud Henricum Falckenburg. Anno 1594.