

Old Chemistries. London, McGraw Hill Publishing Co. 1927.

4to. 12 + 89 pp. With 32 plates.

SMITH (George).

A Compleat Body of Distilling, Explaining the Mysteries of that Science, In A most easy and familiar Manner ; Containing an Exact and accurate Method of making ail the Compound Cordial-Waters now in Use, With A particular Account of their several Virtues. As also a Directory Consisting of All the Instructions necessary for learning the Distiller's Art ; with a Computation of the original Cost of the several Ingredients, and the Profits arising in Sale. Adapted no less to the Use of private Families, than of Apothecaries and Distillers. In Two Parts. By George Smith, of Kendall in Westmorland. London, Printed for Henry Lintot. 1749.

8vo. Engraved frontispiece showing a laboratory, 3 leaves, 150 pp., 1 leaf.

SMITH (Godfrey).

The Laboratory ; Or School of Arts : In which are Faithfully Exhibited, and fully Explain'd 1. A Variety of curious and valuable Experiments in Refining, Calcining, Melting, Assaying, Casting, Allaying, and Toughening of Gold ; with several other Curiosities relating to Gold and Silver. 2. Choice Secrets for Jewellers in the Management of Gold; in Enamelling, and the Preparation of Enamel Colours, with die Art of Copying precious Stones; of preparing Colours for Doublets; of colouring Foyles for Jewels, together with other rare Secrets. 3. Several uncommon Experiments for Casting in Silver, Copper, Brass, Tin, Steel, and other Metals : Likewise in Wax, Plaister of Paris, Wood, Horn &c. With the Management of the respective Moulds. 4. The Art of making Glass : Exhibiting withal the Art of Painting and making Impressions upon Glass, and of laying thereon Gold or Silver; together with the Method of preparing the Colours for Potters Work, or Delf-Ware. 5. A Collection of very valuable Secrets, for the use of Cutlers, Pewterers, Brasiers, Joiners, Turners, Japanners, Book-binders, Distillers, Lapidaries, Limners &c. together with the Art of Marbling Books or Paper. 6. A Dissertation on die Nature and Growth of Salt-petre : Also, Several other choice and uncommon Chymical Experiments. 7. The Art of preparing Rockets, Crackers, Fire-Globes, Stars, Sparks, &c. for Recreative Fire-Works. 8. The Art and Management of Dying Silks, Worsteds, Cottons, &c. in various Colours. Compiled from German, and other Foreign Authors. Illustrated with Copper Plates. By G. Smith. The Third Edition, With Additions of a great Number of valuable Receipts ; particularly, A short, plain, and easy Introduction to the Art of drawing in Perspective. London : Printed for James Hodges . . . and T. Astley. 1750.

8vo. 4 leaves 352 pp. + 4 leaves. Frontispiece and 16 plates.

SMITH (Hugh).

A Treatise on the Mineral Spring, at the New Tunbridge Wells, near Islington ; with Rules for Drinking the Waters ; and a plan of Diet for Invalids labouring under chronic complaints. By the late Hugh Smith, M.D. . . . The fifth edition, considerably enlarged. Printed for J. Howard at Islington Spa. n.d. (ca. 1760).

8vo. 36 pp.

Waring II, p. 794.

This tract is mostly medical.

Bound with : Experimental Observations. 1773.

SMITHSONIAN INSTITUTION.

Annual Report of die Board of Regents of the Smithsonian Institution, showing the Operations, Expenditures and Condition of the Institution, to July 1897.

8vo. 47 + 686 pp.

Contains : Bolton (H. C.), The Revival of Alchemy, pp. 207-217. Also : Diamonds, by William Crookes. An Undiscovered Gas, by William Ramsay. Fluorine, by Henri Moissan, and interesting papers on other branches of science.

SOCIÉTÉ CHIMIQUE DE PARIS.

Leçons de Chimie Professées en 1860 (-1869) par MM. Pasteur, Cahours, Wurtz, Berthelot, Sainte-Claire Deville, Barral, Becquerel, Jamin, de Luynes etc. etc. Paris, Hachette. 1861-1870.

8vo. 7 volumes bound in six.

Also :

Conférences Faites à la Société chimique de Paris en 1883-1886, (1889-1892) par MM. Wurtz, Pasteur, Friedel, Scheurer-Kestner, Grimaux, Duclaux, Moissan, Raoult, Schutzenberger, Franchimont, Cazeneuve, Sarrau, Lebel, Guye, Le Chatelier, Noeltling, Bechamp. Paris, 1886-1892.

8vo. 2 vols.

There was also a volume published for the period 1887-1888.

Bolton (I, 839-40) gives a full list of the papers contained in these volumes.

SOCQUET (Joseph-Marie).

Coup d'Oeil sur la Chymie, Considérée dans ses rapports avec le perfectionnement des Arts, les progrès des Sciences, les intérêts et le salut des Peuples, l'indépendance et la prospérité des États. Discours Prononcé à l'époque de l'ouverture solennelle des cours de la faculté des sciences de l'Académie de Lyon, le 12 Novembre 1810, par M. Socquet, Docteur-médecin, officier de l'Université Impériale . . . A Lyon, De l'Imprimerie de J. B. Kindelem . . . 1810.

8vo. 30 pp.

Presentation inscription : " À Monsieur de Jussieu administrateur du jardin des plantes, Conseiller de l'Université impériale."

SODDY (Frederick).

Radio-Activity : An Elementary Treatise, from the Standpoint of the Disintegration Theory. London, The Electrician Publishing Company. 1904.

8vo. 12 + 214 pp. 40 illustrations.

[SÖLDNER].

Fegfeuer der Chymisten, Worin für Augen gestellt, Die wahren Besitzer der Kunst, Wie auch Die Ketzler, Betrieger, Sophisten, und Herren Gern-Grosse. Er6ffnet Von einem Feinde des Vitzliputzli, der ehrlicher Leute Ehre, und der Aufgeblasenen Schande entdecken will. Amsterdam. Anno 1702.

8vo. Pp. 46.

Ferguson II, 386.

With this book are bound up the following 5 works, which are all of alchemical interest : 1. (SÖLDNER). Keren Happuch. 1702, q.v. 2. (METTERNICH). Erober-und Demolirung. 1705, q.v. 3. SCHWARTZFUS. Brunnen der Weisheit. 1706, q.v. 4. (NAXAGORAS). Particular Zeiger. 1706, q.v. 5. GROSSCHEDEL. Proteus Mercurialis. 1706, q.v.

Keren Happuch, Posaunen Eliae des Künstlers, oder Teutsches Fegfeuer der ScheideKunst, Worinnen Nebst den Neu-gierigsten und greisesten Geheimnissen für Augen gestellt Die wahren Besitzer der Kunst ; Wie auch die Ketzler, Betrieger, Pfüscher, Stümpler, Bûnhasen und Herren Gern-Grosse. Mit gar vielen Oertern aus der Schrift und andern Urkunden eröffnet von Einem Feinde des Vitzliputzli, der ehrlicher Leute Ehre und der aufgeblasenen Schande entdecken will. Hamburg, bey Gottfried Liber-nickel im Dohm, 1702.

8vo. Pp. (16, engraved frontispiece included), 128. With 2 woodcuts in the text.

Ferguson II, 387.

This is an enlarged edition of the " Fegfeuer der Chymisten," a copy of which will be found in the same volume. There is a preface in this edition which is not in the other one and at the end of which the author states that he began it July 6th 1701 at Amsterdam and finished it September 7th in the same year at Berlin.

Bound up with 5 other tracts in 1 Vol. See (SÖLDNER). Fegfeuer.

SOLIGNAC (De).

Amusemens des Eaux de Schwalsbach, des Bains de Wisbaden et de Schlangenbad. Avec deux Relations curieuses, l'une de la nouvelle Jerusalem et l'autre d'une partie de la Tartarie Indépendente. Avec des Figures en Taille Douce. Nouvelle Edition. A Liege, Chez Everard Kints. 1739.

8vo. 4 leaves, 320 pp. With four folding plates.

This description of the famous German spas contains many amusing anecdotes, some of a rather frivolous character.

SONNE.

Die Sonne von Osten Oder Philosophische Auslegung der Kette des goldenen Vliesses nebst dem Kreuze der Ritterorden der Tempelherrn, Johanniter, Teutschenherrn, u.a.d. und etwelcher Cabalistischen Figuren samt einem Spiegel oder Probierstein der philosophischen Materie, und einer besonderen Auslegung desselben an seine Freunde der Weissheit Sdhne von Rosa Significet Hunnis ea. 5783 (= 1783).

8vo. Pp. (14, including frontispiece), 278. With curious woodcut headpiece, woodcuts (one of which folding) in the text and repeated on a folding plate at the end of the book.

First Edition.

Ferguson II, 389.

Caillet 10265.

This is an alchemical explanation of the symbolism of the badges of the Golden Fleece, the order of Knights Templars, the Teutonic order, etc., and of some cabalistic signs, followed by a collection of alchemical sentences.

SONNET (Thomas).

Satyre Contre Les Charlatanes, Et Pseudomedecins Empyriques. En laquelle sont amplement descubertes les ruses & tromperies de tous Theriacleurs, Alchimistes, Chimistes, Paracelsistes, Distillateurs, Extracteurs de Quintescences, Fondeurs d'Or Potable, Maistres de l'Elixir, & telle pernicieuse egeance d'imposteurs. En laquelle d'ailleurs sont refutees les erreurs, abus, & impietez des Iatromages, ou Medecins Magiciens, qui usent de charmes, billets, parolles, caracteres, invocations de Démons, & autres detestables & diaboliques remedes, en la cure des maladies. Par Me. Thomas Sonnet Sieur de Courval, Docteur en Medecine, Gentil-homme Virois. A Paris, Chez Jean Milot, devant S. Barthelemy au trois Coronnes : Et en sa boutique sur les degrez de la grand' salle du Palais. 1610. Avec Priuilege du Roy.

8vo. 16 leaves, 335 pp. The preliminary leaves include one blank, a fine portrait of the author at the age of 33 and a portrait of Nicholas de Pelve to whom the book is dedicated.

First Edition.

A rare work, not listed by Ferguson.

Brunet V, 444.

Du Guaita Catalogue 2123 (an edition dated 1618). Caillet 10266.

SORBET (Philippe Noël).

Essai sur la Distillation à la Cornue ou Retorte. Présenté et Soutenu à l'École Spéciale de Pharmacie de Montpellier, le 16 Août 1811. A Montpellier, Chez Jean Martel aîné, Imprimeur . . . 1811.

4to. 23 pp.

SOUTH (Dr.) and Mrs. ATWOOD. A Suggestive Inquiry. See under : ATWOOD (Mary Anne).

SPALLANZANI (Lazzaro).

Chimico Esame Degli Esperimenti Del Sig. Gottling Professore a Jena Sopra la luce del fosforo di Kunkel osservata nell' aria commune, ed in diversi fluidi aeriformi permanenti, nella quai occasione si esaminano altri fosfori posti dentro ai medesimi fluidi, e si cerca se la luce solare guasti il gaz ossigeno, siccome pretende questo Chimico . . . In Modena, Presso la Società Tipografica. 1796.

8vo. 2 leaves, 171 pp. 1 folding plate.

Ferguson II, 390.

Bolton I, 842.

The only purely chemical book published by the great physiologist.

SPECTRUM SPAGYRICUM.

Spectrum Spagiricum, Das ist : Der Guldene Irrwisch oder Spagirische Wauwau. Anno 1721.

and :

Adeptus Fatalis, Das ist Geld, spricht Die Welt ! Freyburg gedruckt. An. 1721.

8vo. 56 pp. -I- 15 leaves. Device on title.

Ferguson (II, 390-91) describes the contents of this satire on alchemy.

SPIELMANN (Jacob Reinbold).

Institutiones Chymiae Praelectionibus Academicis adcomodatae. Editio altera, revisa aucta polita. Argentorati, apud Johannem Godofredum Bauerum. 1766.

8vo. 6 leaves + 350 pp. -I- 35 leaves. Folding plate of chemical symbols. With 31 pp. of bibliography at end.

Ferguson (II, 393/4) mentions only the first edition of 1763. Bolton I, 844.

Instituts de Chymie. Traduits du latin, sur la seconde Edition, par M. Cadet le jeune. A Paris, chez Vincent. 1770.

8vo. I : Pp. xxiv, 528. With folding plate (table of affinities). II : Pp. (2), 500.

Bolton I, 844.

This was a highly valued text-book in its time. The author (1722-1783), born at Strasburg, was one of the last French chemists of note who supported the phlogiston theory. He was a disciple of Marggraf, and the chief supporter, with Baumé, of the theory that fixed alkalis are only formed by the action of fire. A feature of the book is the very extensive bibliography of Chemistry which, under the modest title of "Catalogue des Auteurs," occupies Pp. 293-442 of the second volume and which is greatly enlarged in this edition by the translator Cadet, who was himself a distinguished chemist.

SPINOZA (Benedictus de).

Nachbildung der im Jahre 1902 noch erhaltenen Eigenhändigen Briefe des Benedictus Despinoza. Brief an Heinrich Oldenburg Rynsburg, Juni 1662. Simon de Vries, Rynsburg, Februar 1663. Lodewijk Meyer, Voorburg, 3 August 1663. Willem van Blyenbergh, Voorburgh, 13 Marz 1665. Willem. van Blyenbergh, Voorburg, 3 Juni 1665. Johan Bouwmeester (?), Voorburg, Juni 1665. Heinrich Oldenburg, Voorburg, 20 November 1665. Jacob Ostens, Haag, Februar 1661. Gottfried Wilhelm Leibniz, Haag, 9 November 1671. Joh. George Graevius, Haag, 14 December 1673. G. H. Schuller, Haag, 18 November 1675. Lambert van Velthuysen, Haag, 1675. Titelblatt eines Exemplars des Tractatus Theologico-Politicus mit handschriftlicher Widmung des Verfassers an Jacobus Statius Klefmann. Herausgegeben von M. Meijer fin Haag. 1903.

Folio. Facsimile leaves and German translations.

The letter to Oldenburg is of scientific importance showing Spinoza's interest in physical and chemical experiments. It contains several of his drawings of apparatus and mentions Boyle several times.

Only 100 copies of this work were issued.

SPRAT (Thomas).

The History of the Royal-Society of London, For the Improving of Natural Knowledge. London, T. R. for J. Martyn. 1667.

4to. 8 leaves, 438 pp., and errata leaf. Heraldic frontispiece on verso of first leaf and two folding plates.

First Edition of the first work on the Royal Society. This copy has inserted as frontispiece the rare plate by Hollar showing Charles II being crowned with a wreath and Bacon and Lord Brouncker in an open hall with scientific instruments and books. This frontispiece was designed by Evelyn, but was only inserted in very few copies.

SPRY (Joseph Hume).

A Practical Treatise on the Bath Waters, tending to illustrate their beneficial effects in Chronic Diseases particularly in Gout, Rheumatism, Paralysis, Lead Colic, Indigestion, Biliary Affections, and Uterine and Cutaneous Diseases, confirmed by Cases, containing likewise a brief account of the City of Bath and of the Hot Springs. London, John Robinson. 1822.

8vo. 6 + 442 pp. 1 plate with leaf of explanatory text. Waring II, 783.

SPURSTOW (William).

The Spiritual Chymist : Or, Six Decades Of Divine Meditations On several Subjects. By William Spurstow D.D., Sometime Minister of die Gospel at Hackney near London . . . London, Printed for Philip Chetwind, 1666.

8vo. 12 11, 182 pp., 1 blank, title "The Wiles of Satan," 110 pp.

Spurstow was vicar of Hackney (1632) and was one of the five divines who wrote the famous "Smectymnus" (1641). He was a member of the Westminster Assembly (1643) and in 1645 was appointed Master of Catherine Hall. He was a friend of Richard Baxter. This book is an interesting theological echo of Boyle's Sceptical Chemist, turning to spiritual application such subjects as the circulation of the blood, the weapon salve, a sun-dial, a dock and also a physician's feeling of the pulse. Spurstow also mentions Fludd's occult medicine (pp. 53-56) and Harvey's recent discoveries.

STAEHLING (Johann Franz).

Dissertatio Inauguralis Chmico-Medica Sistens Methodum Generalem Explorandi Aquas Medicatas . Pro summis in medicina honoribus legitime consequendis publicae disquisitioni submittit in Palatio Universitatis Viennensis . . . Posenii (Pressburg), Typis Joannis Michaelis Landerer. 1772.

8vo. 5 11. (1 blank), 191 pp.

A thesis for the doctorate, entirely chemical.

STAHL (Georg Ernst).

Observationum Chymico-Physico-Medicarum Curiosarum, Mensibus Singulis Bono cum Deo Continuandarum, Mensis Primus, Nativitate Principis Potentissimi, & Inauguratione Academiae solennis, Julius sistens Experimentum Novum, verum Sulphur Arte producendi, Illustratum & Demonstratum. Francofurti & Lipsiae, Imprimebat Georg. Henr. Müller, Typogr. Erfurt. 1697.

8vo. 520 pp.

The different parts bear the names of the months from July 1697 to April 1698. The copy listed by Bolton (I, 847) was imperfect having only 352 pp.

Opusculum Chymico-Physico-Medicum, seu Schediasmatum A Pluribus Annis Variis Occasionibus In Publicum Emissorum Nunc Quadantenus Etiam Auctorum Et Deficientibus Passim Exemplaribus In Unum Volumen Jam Collectorum, Fasciculus publicae Luci Redditus, Praemissa Praefationis Loco Authoris Epistola Ad Tit. Dn.

Michaellem Alberti D. & Prof. Publ. Extraordinarium. Editionem hanc adcurantem. Halae Magdeburgicae, Typis & Impensis Orphanotrophi. Anno 1715.

4to. 4 leaves (including the engraved portrait), 856 pp., 18 leaves index.

First Edition. Bolton I, 847. A later edition was in the Young collection (Ferguson II, 399).

This work includes the "Zymotechnia Fundamentalis," in which is to be found the first statement of the phlogiston theory and also Stahl's theory of fermentation.

Anweisung Zur Metallurgie, Oder der metallischen Schmelz- und Probiere-Kunst. Nebst dessen Einleitung Zur Grund-Mixtion Derer unterirdischen mineralischen und metallischen arper. Alles mit gründlichen Rationibus, Demonstrationibus und Experimentis nach denen Becherischen Principiis ausgeführet. Leipzig, Bey Caspar Jacob Eysseln. 1720.

8vo. 8 leaves, 144 pp., 4 leaves, 407 pp., 8 leaves.

Ferguson II, 398, but the Young copy consisted only of the second part alone which is under a separate title-page.

Gedanken von Verbesserung der Metallen, Und wie man Einen mässigen Gewinnst davon ziehen könne. Nürnberg und Altdorff, Bey Johann Daniel Taubers Sel. Erben. 1720.

8vo. Pp. 32. With printer's mark on title.

Ferguson II, 399.

For the contents of this book, written by the great chemist in favour of Alchemy, see Kopp, Alchemie, I, 71. The first edition, in Latin, appeared in 1682.

A feature of this edition, the first one in German, is the preface by the editor or translator, which is longer than the booklet itself and which contains interesting material about the transmutation of metals and about Stahl's writings.

Fundamenta Chymiae Dogmaticae & experimentalis, & quidem tum communioris physicae mechanicae pharmaceuticae ac medicae tum sublimioris sic dictae hermeticae atque alchymicae. Olim in privatos Auditorum usus posita, jam vero Indultu Autoris publicae luci exposita. Annexus est ad Coronidis confirmationem Tractatus Isaaci Hollandi de Salibus & Oleis Metallorum. Norimbergae, Sumptibus Wolfgangi Mauriti Endteri Haered. Typis Johannis Ernesti Adelbulneri. 1723.

4to. 4 leaves, 255 pp., 12 leaves.

First Edition.

Bolton I, 846.

The Young collection had the edition of 1746-7 (Ferguson II, 398).

Chymia Rationalis Et Experimentafis ; Oder : Gründliche, der Natur und Vernunft gemässe und mit Experimenten erwiesene Einleitung zur Chymie ; Darinnen hauptsächlich die Mixtion derer Sublunarischen Körper, nebst deren Zerlegung und Relation gegeneinander untersucht, und mit vielen Experimenten gezeigt wird. Nebst einer Zugabe Von denen Mercuriis Metallorum, Mercurio animato, und Lapide Philosophorum. Zweyte Auflage. Welche von vorigen Druck-Fehlern gereinigt, und mit Isaac Hollands Tractat Von den Saltzen und Oehlen der Metallen vermehret worden. Leipzig, Verlegt Caspar Jacob Eyssel. 1729.

8vo. 8 leaves, 560 pp., 16 leaves index.

Ferguson (II, 397) only mentions the first edition of 1720 which was in the Young collection. Bolton (I, 846) says that this work contains a historical and experimental inquiry into the philosopher's stone.

Experimenta, Observationes, Animadversiones, CCC Numero, Chymicae Et Physicae, Qualium alibi vel nulla, vel rara, nus quam autem salis ampla, ad debitos nexus, & veros usus, deducta mentio, commemoratio, aut explicatio, invenitur. Qualium partira, in aliis Autoris scriptis, varia mentio facta habetur ; partim autem nova commemoratio hoc Tractatu exhibetur : utrimque vero, universa res uberius explicatur atque confirmatur. Berolinae, Apud Ambrosium Haude. 1731.

8vo. 14 leaves, 420 pp. 8 leaves index.

Bolton I, 846.

Not in the Young collection.

Traité des Sels, Dans lequel on démontre qu'ils sont composés d'une terre subtile, intimement combinée avec l'eau. Traduit de l'Allemand. A Paris, Chez Vincent, Imprimeur-Libraire, rue S. Severin. 1771.

12mo. 24 + 480 pp.

Ferguson (II, 397). The Young collection had the original German edition of 1723.

LEMOINE (Albert).

Stahl et l'Animisme. Mémoire lu à l'Académie des Sciences morales et politiques. Paris, Baillièrre et Fils. 1858.

8vo. 205 pp., 1 leaf.

HEUSER (Emil).

Der Alchimist Stahl im Herzogtum Pfalz-Zweibrücken, Ein Stück Kulturgeschichte aus alten Akten. Zu den Veröffentlichungen der Literarischen Abteilung des Pfälzerwald-Vereins. Neustadt an der Haardt, Verlag von Wilhelm Marnet. 1911.

8vo. 4 + 80 pp. Portrait and map.

STANGE (Dr. Albert).

Einführung in die Geschichte der Chemie. Münster (Westfalen), Copenrathsche Buchhandlung. 1902.

8vo. 308 pp. Folding table and eleven plates.

Die Zeitalter der Chemie in Wort und Bild. Leipzig, Otto Wigand. 1908,

8vo. 13 + 528 pp. Profusely illustrated,