

ADDITIONS TO THE LIBRARY OF THE CHEMICAL SOCIETY
DURING THE YEAR 1934.

- ABRAMSON, HAROLD A. Electrokinetic phenomena and their application to biology and medicine. (American Chemical Society Monograph Series.) New York 1934. pp. 331. ill.
- AIR MINISTRY. Material specification. D.T.D. 208. Cadmium-copper alloy wires and strips. London 1933. pp. 3.
- D.T.D. 213. Aluminium-manganese alloy sheets and strips. London 1933. pp. 3.
- D.T.D. 223. Glycerin (for use in radiators). London 1933.
- *Aeronautical Research Committee*. Reports and memoranda, No. 1513. Heats of formation of nitrous oxide and carbon dioxide. By J. H. AWBERY (and others). London 1933. pp. 43 + 12 plates.
- No. 1517. Lubrication in oxidising conditions. By R. O. KING and C. JAKEMAN. London 1933. pp. 14 + 11 plates.
- No. 1549. Fuel volatility and carburettor freezing. By W. C. CLOTHIER. London 1933. pp. 14 + 7 figures.
- ALDIS, R. W. See INDIAN LAC RESEARCH INSTITUTE. Bulletins Nos. 17 and 19, and Research Papers Nos. 9, 11, 13, 14, 15, 16, 17, and 18.
- ALLOTT, ERIC NEWMARCH. See RICHTER, VICTOR VON.
- ALLSOPP, C. B. See TWYMAN, F.
- ALTPETER, JULIUS. See MAIER-BODE, HANS.
- AMBLER, HENRY REASON. See LUNGE, GEORGE.
- AMERICAN INSTITUTE OF PHYSICS. The Journal of Chemical Physics. Vol. I, etc. Lancaster, Pa. 1933 +. (*For circulation*.)
- AMERICAN PUBLIC HEALTH ASSOCIATION and AMERICAN WATER WORKS ASSOCIATION. Standard methods for the examination of water and sewage. 7th edition. New York 1933. pp. xxii + 180.
- AMERICAN WATER WORKS ASSOCIATION. See AMERICAN PUBLIC HEALTH ASSOCIATION.
- ANNAMALAI UNIVERSITY. Journal. Vol. I, No. 2, etc. Annamalainagar 1932 +. (*Reference*.)
- APOTHEEK, DE. Maandelijksch bijblad van het Pharmaceutisch Weekblad. Vol. I, etc. Amsterdam 1933 +. (*Reference*.)
- APPEL, HERBERT. Die Dreikohlenstoff-Zucker und ihre biologische Bedeutung. (Sammlung, N.F. Heft 23.) Stuttgart 1934. pp. 40. (*Reference*.)
- ARCHIVO DE MEDICINA LEGAL. Vol. III, No. 3, etc. Lisboa 1930 +. (*Reference*.)
- ARNOT, F. L. Collision processes in gases. London 1933. pp. viii + 104. ill.
- ASHWORTH, JAMES REGINALD. Smoke and the atmosphere: studies from a factory town. Manchester 1933. pp. xii + 131. ill.
- ASTBURY, W. T. Fundamentals of fibre structure. London 1933. pp. xii + 188. ill.
- ASTON, FRANCIS WILLIAM. Mass-spectra and isotopes. London 1933. pp. xii + 248. ill.
- AUSTIN, REGINALD GEORGE. Aids to qualitative inorganic analysis. London 1933. pp. x + 204. ill.
- AUSTRALIA, COMMONWEALTH OF. *Council for Scientific and Industrial Research*. Bulletin No. 77. Studies on the phosphorus requirements of sheep. I. By SIR CHARLES JAMES MARTIN and A. W. PEIRCE. Melbourne 1934. pp. 44. ill.
- AUSTRALIAN CHEMICAL INSTITUTE. Journal and Proceedings. Vol. I, etc. Melbourne 1934 +. (*Reference*.)
- AWBERY, J. H. See AIR MINISTRY. *Aeronautical Research Committee*. Reports and memoranda, No. 1513.
- BAILLEUL, G., HERBERT, W., and REISEMANN, E. Aktive Kohle und ihre Verwendung in der chemischen Industrie. Stuttgart 1934. pp. viii + 95. ill.
- BAKER, JOHN WILLIAM. Tautomerism. London 1934. pp. viii + 332.
- BALCH, R. T. See UNITED STATES. *Department of Agriculture*. Circular No. 304.
- BARKER, S. G. See EMPIRE MARKETING BOARD.
- BARR, GUY. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series A. No. 6.
- BELINNE, CH. L. See MATTHIS, ALFRED R.
- BELL, R. W. See UNITED STATES. *Department of Agriculture*. Circular No. 279.
- BEREK, MAX. See RINNE, FRIEDRICH.
- BESSEY, GEORGE EDWARD. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Building Research*. Special Report No. 21.

BLACKTIN, S. CYRIL. *Dust*. London 1934. pp. xii + 296. ill.

BOLLETTINO DEL REPARTO FIBRE TESSILI VEGETALI. See R. STAZIONE SPERIMENTALE PER LE INDUSTRIE DELLA CARTA E DELLE FIBRE TESSILI VEGETALI.

BOMBAY PRESIDENCY. *Department of Industries*. Bulletin No. 9. The possibility of the use of magnesium chloride in the sizing process of handloom weavers. By P. N. JOSHI and J. F. VALLADARES. Bombay 1934. pp. ii + 13.

BONE, WILLIAM ARTHUR. Britain's coal problems: being the Watt Anniversary Lecture for 1934. Greenock 1934. pp. 30.

BORAX CONSOLIDATED, LTD. Modern commercial glasses: boric oxide and other minor constituents. London 1934. pp. 60.

BOSWELL, PERCY GEORGE HAMNALL. On the mineralogy of sedimentary rocks: a series of essays and a bibliography. London 1933. pp. x + 394.

BOUGY, E. Chimisme de quelques hybrides de betteraves. Bruxelles 1933. pp. iv + 76. ill.

BRAGG, SIR WILLIAM HENRY, and BRAGG, WILLIAM LAWRENCE. The crystalline state. Vol. I. A general survey. London 1933. pp. xiv + 352. ill.

BRAGG, WILLIAM LAWRENCE. See BRAGG, SIR WILLIAM HENRY.

BREZINA, ERNST. Die gewerblichen Vergiftungen und ihre Bekämpfung. Stuttgart 1932. pp. viii + 288.

BRIDGMAN, PERCY WILLIAMS. The thermodynamics of electrical phenomena in metals. New York 1934. pp. viii + 200. ill.

BRISCOE, H. V. A. See INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.

BRITISH DRUG HOUSES, LTD. The B.D.H. book of reagents for "spot" tests and delicate analysis. 3rd edition. London 1934. pp. viii + 68. (*Reference.*)

BRITISH DRUG HOUSES, LTD., and HOPKIN & WILLIAMS, LTD. "Analar" standards for laboratory chemicals: being improved standards for the analytical reagents formerly known as "A.R." London 1934. pp. xvi + 295.

BRITISH GUIANA. *Department of Agriculture*. Sugar Bulletin No. 2. Field experiments with sugar cane, II. By C. H. B. WILLIAMS and R. R. FOLLETT SMITH. Georgetown, Demerara 1933. pp. viii + 50. ill.

BRITISH JOURNAL OF PHOTOGRAPHY. Vol. LXXIV, etc. London 1929 +. (*Reference.*)

BRITISH PHARMACEUTICAL CODEX 1934. London 1934. pp. xxvi + 1768. (*Reference.*)

BRITISH PLASTICS YEAR BOOK 1934. The handbook and guide to the plastics industry. London 1934. pp. 566. ill. (*Reference.*)

BRITISH STANDARDS INSTITUTION. British standard specifications, No. 334—1934. Chemical lead (types A & B). (Revised May, 1934.)

— — — No. 515—1933. Crude carbolic acids, 60's and 45's.

— — — No. 516—1933. Distilled carbolic acids, 60's and 45's.

— — — No. 517—1933. Cresylic acid of high orthocresol content.

— — — No. 521—1933. Cresylic acid (50/55 per cent. metacresol).

— — — No. 522—1933. Orthocresol, metacresol, and paracresol.

— — — No. 523—1933. Phenol.

— — — No. 524—1933. Refined cresylic acids, grades A and B.

— — — No. 526—1933. Definitions of gross and net calorific value.

— — — No. 541—1934. British standard technique for determining the Rideal-Walker, coefficient of disinfectants.

— — — No. 549—1934. Diacetone alcohol.

— — — No. 551—1934. Normal butyl acetate.

— — — No. 552—1934. Amyl acetate.

— — — No. 553—1934. Ethyl acetate.

— — — No. 554—1934. Report on standard temperature of volumetric glassware.

— — — No. 558—1934. Nickel anodes (for electroplating).

— — — No. 564—1934. Nickel ammonium sulphate and nickel sulphate for electroplating.

— — — No. 568—1934. Method for the determination of phosphorus in coal and coke.

— — — No. 571—1934. Distillation flasks.

— — — No. 572—1934. Interchangeable conical ground glass joints.

— — — No. 573—1934. Dibutyl phthalate.

— — — No. 574—1934. Diethyl phthalate.

— — — No. 575—1934. Carbon tetrachloride.

— — — No. 576—1934. Glacial acetic acid and dilute acetic acids.

— — — No. 577—1934. Hexachlorethane (hexachloroethane).

— — — No. 578—1934. Technical acetic acids.

— — — No. 579—1934. Technical ether.

— — — No. 580—1934. Trichlorethylene (trichloroethylene) (technical and stabilised).

BRITTON, HUBERT T. S. Conductometric analysis. Principles, applications, applications. (Monographs on Applied Chemistry.) London 1934. pp. xii + 178. ill.

- BROWN, IRVIN C. See UNITED STATES. *Department of Agriculture*. Technical Bulletin No 399.
- BUGBEE, EDWARD E. A textbook of fire assaying. 2nd edition. New York 1933. pp. xii + 300. ill.
- BURGESS, MAURICE JOHN. See MINES DEPARTMENT. *Safety in Mines Research Board*. Papers Nos. 81 and 83.
- BURKHARD, ARNOLD. Qualitative mikroskopische Analyse. (Mikroskopisch-chemischer Nachweis der wichtigsten Kationen und Anionen.) Zürich 1933. pp. vi + 49 + 13 tables. (Reference.)
- BUTLER, J. A. V. The fundamentals of chemical thermodynamics. Part II. London 1934. pp. x + 271. ill.
- BYERS, HORACE G. See UNITED STATES. *Department of Agriculture*. Technical Bulletin No. 399.
- CAMERON, ALEC MUNRO. Chemistry in relation to fire risk and fire extinction. London 1933. pp. xiv + 278.
- CAMERON, ALEXANDER THOMAS. A textbook of biochemistry. 4th edition. London 1933. pp. xii + 556. ill.
- Recent advances in endocrinology. London 1933. pp. viii + 366. ill.
- CAMPBELL, NORMAN ROBERT, and RITCHIE, DOROTHY. Photoelectric cells, their properties, use, and applications. 3rd edition. London 1934. pp. viii + 223. ill.
- CARON, HUBERT, and RAQUET, DÉsirÉ. Analyse chimique quantitative à l'aide de liqueurs titrées. Paris 1934. pp. iv + 304.
- CHATTERJEE, A. C. Bibliography of lac. Calcutta 1933. pp. 129.
- CHEMIE-INGENIEUR, DER. Vol. I. Part iv. Elektrische und magnetische Materialtrennung [und] Materialvereinigung. By ARNOLD EUCKEN [and others]. Leipzig 1934. pp. viii + 309. ill.
- CHEMIST, THE. 2 vols. London 1824-25. (Reference.)
- CHEMISTRY IN COMMERCE. Edited by EDWARD MOLLOY and M. D. CURWEN. Part I, etc. London 1934 +. (Reference.)
- CHINESE CHEMICAL SOCIETY. Journal Vol. I, etc. Peiping 1933 +. (Reference.)
- CLARK, ALFRED JOSEPH. Applied pharmacology. 5th edition. London 1933. pp. x + 632. ill.
- CLARK, C. H. DOUGLAS. The electronic structure and properties of matter: an introductory study of certain properties of matter in the light of atomic numbers, being Vol. I of a comprehensive treatise of atomic and molecular structure. London 1934. pp. xxvi + 374. ill.
- CLARKE, S. G. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series A. No. 1.
- CLOTHIER, W. C. See AIR MINISTRY. *Aeronautical Research Committee*. Reports and memoranda, No. 1549.
- COLTOF, WILLEM. Bijdrage tot de kennis van vervaardiging, eigenschappen en verwerking der acetaatzijde. Amsterdam 1934. pp. xvi + 363. ill. (Reference.)
- CONTI, PRINCE PIERO GINORI. Il nuovo Istituto del Boro-Silicio di Firenze. Firenze 1934. pp. 15. ill.
- Il vetro di ottica. (From the *Ann Assoz. Ottica Ital.*, 1934.)
- COWARD, HUBERT FRANK. See MINES DEPARTMENT. SAFETY IN MINES RESEARCH BOARD. Paper No. 82.
- CRAWHALL, T. C. See SOUTH KENSINGTON. *Science Museum*.
- CURWEN, M. D. See CHEMISTRY IN COMMERCE.
- CUSHNY, ARTHUR ROBERTSON. A textbook of pharmacology and therapeutics. 10th edition. By CHARLES W. EDMUNDS and JAMES ANDREW GUNN. London 1934. pp. x, 17 to 786. ill.
- DANCKWORTT, P. W. Lumineszenz-Analyse im filtrierten ultravioletten Licht. 3rd edition. Mit einem Beitrag von J. EISENBRAND über "Quantitative Messungen." Leipzig 1934. pp. viii + 190. ill.
- DAVEY, N. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Building Research*. Technical Paper No. 15.
- DAVIS, A. C. Portland cement. London 1934. pp. xii + 400. ill.
- DEBYE, PETER. (Editor.) Magnetismus. Leipziger Vorträge 1933. Leipzig 1933. pp. viii + 110. ill.
- DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Co-operative industrial research. Report of a conference. London 1934. pp. iv + 27.
- *Building Research Board*. Report of the Reinforced Concrete Structures Committee, with recommendations for a code of practice for the use of reinforced concrete in buildings. London 1933. pp. iv + 69.
- — Bulletin No. 11. The effect of building materials on paint films. (Revised edition.) By H. M. LLEWELLYN. London 1934. pp. iv + 8.
- — Bulletin No. 12. The durability of slates for roofing. 2nd edition. By CYRIL MERCER WATKINS. London 1934. pp. vi + 14. ill.
- — Special Report No. 21. Sand-lime bricks. By GEORGE EDWARD BESSEY. London 1934. pp. vi + 62. ill.

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Building Research*. Technical Paper No. 15. Temperature rise in hydrating concrete. By N. DAVEY and E. N. FOX. London 1933. pp. viii + 69.

— *Engineering Research*. Special Report No. 12. Lanolin rust preventers. 2nd edition. London 1934. pp. iv + 26. ill.

— *Food Investigation*. Special Report No. 43. The storage of meat in small refrigerators. By R. B. HAINES and E. C. SMITH. London 1933. pp. vi + 30. ill.

— *Fuel Research*. Physical and chemical survey of the national coal resources, No. 30. The Yorkshire, Nottinghamshire, and Derbyshire coalfield. Nottinghamshire and Derbyshire area. The Deep Hard seam. London 1933. pp. vi + 77. ill.

— — — — — No. 31. The Yorkshire, Nottinghamshire, and Derbyshire coalfield. South Yorkshire area. Analysis of commercial grades of coal. Part II. London 1934. pp. vi + 37. ill.

— — — — — No. 32. The Lancashire coalfield. Miscellaneous seams of the lower coal measures. London 1934. pp. vi + 80. ill.

— — — — — No. 33. The Lancashire coalfield. Analysis of commercial grades of coal. Part I. London 1934. pp. vi + 90.

— — — — — No. 34. The Northumberland and Durham coalfield. Northumberland area. The Plessey seam. London 1934. pp. vi + 70. ill.

— *Water Pollution Research*. Technical Paper No. 4. The action of water on lead with special reference to the supply of drinking water. Summary of existing knowledge. By H. INGLESON. London 1934. pp. vi + 115.

DESCH, CECIL H. The chemistry of solids. Ithaca 1934. pp. xiv + 213. ill.

DEUTSCHE ATLANTISCHE EXPEDITION. (Meteor) 1925–1927. Wissenschaftliche Ergebnisse. Vol. VIII. Das chemische Beobachtungsmaterial und seine Gewinnung: Kalziumkarbonat- und Kohlensäuregehalt des Meerwassers. By HERMANN WATTENBERG. Berlin 1933. pp. x + 335 + 27 plates.

DEUTSCHE GESELLSCHAFT FÜR MINERALÖLFORSCHUNG. Öl und Kohle. Zeitschrift für das gesamte Gebiet der Mineralöle, Bitumen und verwandten Stoffe. Vol. I, etc. Berlin 1933 +. (Reference.)

DEVINE, J. M. See UNITED STATES. *Department of Commerce*. Bureau of Mines. Technical Paper 560.

DIETRICH, WALTER. Über die Leitfähigkeit elektrischer Isolatoren und ihre Änderung durch Licht, Feuchtigkeit, Temperatur etc. Göttingen 1909. pp. iv + 107. ill.

DOAN, GILBERT E. See LIDDELL, Donald M. DRUMMOND, J. C. Lane medical lectures: Biochemical studies of nutritional problems. (Stanford Univ. Publications, Medical Sciences, Vol. 3, No. 2.) Stanford 1934. pp. 106. ill.

DURRANS, THOMAS HAROLD. Solvents. (Monographs on Applied Chemistry.) 3rd edition. London 1933. pp. xviii + 206. ill.

EDMUNDS, CHARLES W. See CUSHNY, ARTHUR ROBERTSON.

EGYPT. *Ministry of Finance*. Report on the work of the Chemical Department in the financial year 1931–32. Cairo 1933. pp. 63. (Reference.)

EISENBRAND, J. See DANCKWORTT, P. W.

ELLIS, CARLETON. The chemistry of petroleum derivatives. New York 1934. pp. 1285. ill.

EMLEY, A. L. See UNITED STATES, *Department of Commerce*. Bureau of Standards. Miscellaneous Publication No. 142.

EMPIRE MARKETING BOARD. Sisal. The attributes of the fibre—and their industrial significance. By S. G. BARKER. London 1933. pp. 74. ill.

EPHRAIM, FRITZ. A text-book of inorganic chemistry. 2nd English edition. By PERCY CYRIL LESLEY THORNE. London 1933. pp. xii + 874. ill.

— Anorganische Chemie. 5th edition. Dresden 1934. pp. xii + 841. ill.

ERRERA, J. Polarisation diélectrique. Réfraction des radiations depuis les rayons X jusqu'aux ondes Hertziennes. Paris 1928. pp. 172. ill.

EUCKEN, ARNOLD. Grundriss der physikalischen Chemie. 4th edition. Leipzig 1934. pp. xxiv. + 699. ill.

— See CHEMIE-INGENIEUR, DER.

FARADAY SOCIETY. Free radicals: a general discussion held . . . September 1933. London 1934. pp. iv + 248. ill.

FEARON, WILLIAM ROBERT. An introduction to biochemistry. London 1934. pp. x + 313

FEDERATED MALAY STATES. *Institute for Medical Research*. Annual Report for the year 1931, etc. Kuala Lumpur 1932 +. (Reference.)

FÉRY, C. J. V. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series C. No. 1.

FINKELNBURG, W. Molekül- und Kristallgitterspektren. See HAND- UND JAHRBUCH DER CHEMISCHEN PHYSIK.

FISCHER, EMIL J. Wachse, wachsähnliche Stoffe und technische Wachsgemenge. Dresden 1934. pp. xii + 192. ill.

FISCHER, HANS, and ORTH, HANS. Die Chemie des Pyrrols. Vol. I. Pyrrol und seine

Derivate. Mehrkernige Pyttolsysteme ohne Farbstoffcharakter. Leipzig 1934. pp. xii + 460.

FOLLETT-SMITH, R. R. See BRITISH GUIANA *Department of Agriculture*. Sugar Bulletin No 2.

FORRESTER, GEORGE PETERS. See PHARMACEUTICAL FORMULAS.

FOWLER, GILBERT JOHN. An introduction to the biochemistry of nitrogen conservation. London 1934. pp. viii + 280. ill.

FOX, E. N. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Building Research*. Technical Paper No. 15.

FRANCHIMONT, ANTOINE PAUL NICOLAS. See KERKWIJK, CLASINE PETRONELLA VAN.

FRANKEN, H. A. Voorkomen, bereiding en eigenschappen van de, in die natuur aange troffen, uronzuren en van enkele verwante zuren. Delft 1934. pp. 191. ill. (*Reference*.)

FRIEND, JOHN NEWTON. [Editor.] A text-book of inorganic chemistry. Vol. VI. Part ii. Phosphorus. By EDMUND BRYDGES RUDHALL PRIDEAUX. London 1934. pp. xxviii + 238. (Two copies.)

GABRIEL, L. G. See GARNER, F. H.

GAERTNER, VIKTOR. Elektrochemie. Ein Lehr- und Hilfsbuch für Studierende, Techniker und Fabrikanten. Wien 1934. pp. x + 409. ill.

GARNER, F. H. [Editor], with the collaboration of L. G. GABRIEL and H. J. PRENTICE. Modern road emulsions: a treatise based on a series of lectures. London 1933. pp. x + 222. ill.

GEORGIEVSKOGO, V. G. See KONDRATOVICH, R. A.

GERNGROSS, OTTO, and GOEBEL, E. Chemie und Technologie der Leim- und Gelatine-Fabrikation. Mit einem Anhang: Sonstige Klebstoffe. Dresden 1933. pp. xii + 535. ill.

GERRISH, H. C. See UNITED STATES. *National Advisory Committee for Aeronautics*. Report No. 476.

GILCHRIST, H. L. See UNITED STATES. *War Department*.

GLASSTONE, SAMUEL. Recent advances in physical chemistry. 2nd edition. London 1933. pp. viii + 498. ill.

— See INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.

GNADINGER, C. B. Pyrethrum flowers. Minneapolis 1933. pp. xii + 269. ill.

GNAMM, HELMUT. Die Gerbstoffe und Gerbmittel. 2nd edition. (Chemie in Einzeldarstellungen, Vol. XII.) Stuttgart 1933. pp. xvi + 486. ill.

GOBERT, A. L. See MINES DEPARTMENT. *Safety in Mines Research Board*. Paper No. 87.

GOEBEL, E. See GERNGROSS, OTTO.

GREGG, SIDNEY JOHN. The adsorption of gases by solids. London 1934. pp. viii + 120. ill.

GREGORY, JOSHUA C. Combustion from Heracleitos to Lavoisier. London 1934. pp. viii + 231.

GREINER, EARL S., MARSH, J. S., and STOUGHTON, BRADLEY. The alloys of iron and silicon. New York 1933. pp. xii + 458. ill.

GRIFFITHS, ROOSEVELT. Thermostats and temperature regulating instruments. London 1934. pp. viii + 157. ill.

GUNN, JAMES ANDREW. See CUSHNY, ARTHUR ROBERTSON.

HAINES, R. B. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Food Investigation*. Special Report No. 43.

HAND- UND JAHRBUCH DER CHEMISCHEN PHYSIK. Vol. I. Part 1. Theorien des Aufbaues der Materie. i. Die Grundlagen der Quantentheorie. By H. A. KRAMERS. Leipzig 1933. pp. 222. ill.

— Vol. IX. Part 1. Atomspektren. By HEINRICH KUHN. Leipzig 1934. pp. vi + 266. ill.

— Vol. IX. Part 2. Molekül- und Kristallgitterspektren. By W. FINKELNBURG (and others). Leipzig 1934. pp. ix + 408. ill.

HARROW, BENJAMIN, and SHERWIN, CARL P. The chemistry of the hormones. [Baltimore] 1934. pp. viii + 227.

HASSEL, ODD. Kristallchemie. Dresden 1934. pp. viii + 114. ill.

HEDGES, E. S. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series B. No. 1.

HEILBRON, I. M. [Editor-in-chief.] Dictionary of organic compounds. The constitution and physical and chemical properties of the principal carbon compounds and their derivatives, together with the relevant literature references. Vol. I. London 1934. pp. xx + 706. (*Reference*.)

HERBERT, W. See BAILLEUL, G.

HERZFELD, ALEXANDER. See VEREIN DER DEUTSCHEN ZUCKER-INDUSTRIE.

HEWITT, LESLIE FRANK. See LONDON COUNTY COUNCIL.

HILL, WILLIAM H., KING, H. M., and LAIRD, D. G. Some further studies on the etiology of bovine *Haematuria vesicalis* (Red Water) in British Columbia. (From *Sci. Agric.*, 1933, 13.)

HINSELWOOD, C. N., and WILLIAMSON, A. T. The reaction between hydrogen and oxygen. Oxford 1934. pp. viii + 108. ill.

HINTON, C. L. A summary of food laws and regulations. Edited by T. W. JONES. London 1934. pp. viii + 90. (Two copies.)

HOEKE FREDDY. Ortho-nitro-, meta-nitro- en 3,5-dinitrophenylisocyanat als reagentia op alcoholen. Leiden 1934. pp. xii + 121. ill.

HOKKAIDO IMPERIAL UNIVERSITY. *Faculty of Science*. Journal. Series III. Chemistry. Vol. I, etc. Sapporo 1930 +. (*Reference*.)

HOMER, C. E. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series B. No. 1.

HOPKIN & WILLIAMS, LTD. See BRITISH DRUG HOUSES, LTD.

HORSSEN, WIJNAND BASTIAAN VAN. Nitratie van benzanilide en derivaten. Leiden 1934. pp. xvi + 117.

HOTHERSALL, A. W. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series A. No. 1.

HOU, TE-PANG. Manufacture of soda with special reference to the ammonia process. A practical treatise. (American Chemical Society Monograph Series.) New York 1933. pp. 365. ill.

HOUWINK, ROELOF. Physikalische Eigenschaften und Feinbau von Natur- und Kunsthärzen. (Kolloidforschung in Einzeldarstellungen.) Leipzig 1934. pp. x + 225. ill.

HÜCKEL, WALTER. Theoretische Grundlagen der organischen Chemie. 2nd edition. Vol. I. Leipzig 1934. pp. xii + 475.

HULTON, HENRY FRANCIS EVERARD. See INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND

HUNTER, ROBERT FERGUS. The electronic theory of chemistry; an introductory account. London 1934. pp. viii + 125.

HUSAIN, M. HIDAYAT. See IBN UMAIL AT-TAMİMĪ, ABŪ 'ABDALLĀH MUḤAMMAD.

HVISTENDAHL, BROR. Das Zymophosphat und die alkoholische Gärung. Mariestad 1934. pp. 43.

IBN UMAIL AT-TAMİMĪ, ABŪ 'ABDALLĀH MUḤAMMAD. Three Arabic treatises on alchemy. Edition of the texts by M. TURĀB 'ALĪ. Excursus on the writings and date of Ibn Umail with edition of the Latin rendering of the *Mā' al-Waraqī* by HENRY ERNEST STAPLETON and M. HIDĀYAT HUSAIN. (From the *Mem. Asiatic Soc. Bengal*, 1933, 12.) pp. 213. ill.

INDIAN LAC CESS COMMITTEE. Annual Report of the Special Officer Lac Inquiry for the financial year 1932-33. London 1934. pp. 9.

INDIAN LAC RESEARCH INSTITUTE. Bulletin No. 17. The refractive index of shellac. By A. K. THAKUR and R. W. ALDIS. Calcutta 1934. pp. 4.

— Bulletin No. 18. Modifications of shellac. Part I. The effect of sulphur. By M. VENUGOPALAN. Calcutta 1934. pp. 12.

INDIAN LAC RESEARCH INSTITUTE. Bulletin No. 19. The heat curing of shellac. Part II. "Depolymerisation." By M. RANGASWAMI and R. W. ALDIS. Calcutta 1934. pp. 10.

— Research Note No. 9. Tricresyl phosphate and the water resistance of shellac. By M. RANGASWAMI and R. W. ALDIS. Namkum 1933.

— Research Note No. 10. Sulphur treatment of shellac. By M. VENUGOPALAN. Namkum 1933.

— Research Note No. 11. Further notes on reconditioning shellac. By R. W. ALDIS. Namkum 1933.

— Research Note No. 12. Treatment of shellac varnish with sulphur monochloride. By M. VENUGOPALAN. Namkum 1933.

— Research Note No. 13. Improvement in the heat resistance of shellac mouldings. By S. RANGANATHAN and R. W. ALDIS. Namkum 1933.

— Research Note No. 14. Treatment of shellac varnish with thiourea and urea. By M. VENUGOPALAN, S. RANGANATHAN, and R. W. ALDIS. Namkum 1934.

— Research Note No. 15. The influence of nitrogenous substances on shellac bleaching. By N. N. MURTY and R. W. ALDIS. Namkum 1934.

— Research Note No. 16. Utilisation of "Kiri" for plastic moulding. By S. RANGANATHAN and R. W. ALDIS. Namkum 1934.

— Research Note No. 17. A further means of dispersing "polymerised" shellac. By M. VENUGOPALAN and R. W. ALDIS. Namkum 1934.

— Research Note No. 18. Some effects of hydrochloric acid on shellac varnish. By R. W. ALDIS. Namkum 1934.

INGLESON, H. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Water Pollution Research*. Technical Paper No. 4.

INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND. Lecture on alchemists in art and literature. By RICHARD BERTRAM PILCHER. London 1933. pp. 54. ill.

— Beer. By HENRY FRANCIS EVERARD HULTON. 16th Streatfeild Memorial Lecture, 1933. London 1934. pp. 34.

— Lecture on "Electrometric methods in physical and analytical chemistry." By SAMUEL GLASSTONE. London 1934. pp. 39. ill.

— Microchemical methods suitable for general analytical practice. (Two lecture-demonstrations.) By H. V. A. BRISCOE and JANET W. MATTHEWS. London 1934. pp. 42. ill.

— The chemist as a directing force in industry. By HERBERT LEVINSTEIN. 5th

- S. M. Gluckstein Memorial Lecture, 1933. London 1934. pp. 22.
- INSTITUTION OF FIRE ENGINEERS. Chemical fires: how to deal with fires involving chemicals and dangerous goods: chemical and medical first-aid notes. Edited by A. PORTAGE. [Edinburgh] 1934. pp. 103. (*Reference.*)
- INSTRUMENT WORLD, THE. Vols. I—V. London 1928—32. (*Reference.*)
- INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. First general report, etc. London 1934+. (*Reference.*)
- Miscellaneous Publications. No. 1. Tin research and development: an address delivered to the American Tin Trade Association by D. J. MACNAUGHTAN. London 1934. pp. 10.
- Technical Publications. Series A. No. 1. The electrodeposition of tin from sodium stannate solutions with the use of insoluble anodes. By A. W. HOTHERSALL, S. G. CLARKE, and D. J. MACNAUGHTAN. (From the *J. Electrodepositors Tech. Soc.*, 1934.)
- Series A. No. 6. Tests on tin-base and lead-base bearing metals. By C. JAKEMAN and GUY BARR. London 1934. pp. ii + 23. ill.
- Series B. No. 1. The properties of tin. Compiled by E. S. HEDGES and C. E. HOMER. London 1934. pp. 45.
- Series C, No. 1. The Féry-Carbene dry tin accumulator. By C. J. V. FÉRY. London 1934. pp. 5. ill.
- Series C. No. 2. The beneficial use of tin compounds in lubricants. By E. W. J. MARDLES. London 1934. pp. 5. ill.
- ITALY. Le acque minerali d'Italia. Part I. Lazio. Roma 1933. pp. viii + 243. ill.
- JAKEMAN, C. See AIR MINISTRY. *Aeronautical Research Committee*. Reports and memoranda, No. 1517.
- See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series A. No. 6.
- JANDER, GERHART. See WINKEL, AUGUST.
- JENKNER, ADOLF. See ROBERTS, JOHN.
- JOHN, WILLIAM DAVID. Modern shoe dressings. Newport, Mon. 1934. pp. 153.
- JONES, T. W. See HINTON, C. L.
- JOSHI, P. N. See BOMBAY PRESIDENCY. *Department of Industries*. Bulletin No. 9.
- JOURNAL OF CHEMICAL PHYSICS. See AMERICAN INSTITUTE OF PHYSICS.
- KALICHEVSKY, VLADIMIR A., and STAGNER, BERT ALLEN. Chemical refining of petroleum. The action of various refining agents and chemicals on petroleum and its products. (American Chemical Society Monograph Series.) New York 1933. pp. 451. ill.
- KELVIN, WILLIAM THOMSON, BARON. Mathematical and physical papers. 6 vols. Cambridge 1882—1911. ill.
- KERKWIJK, CLASINE PETRONELLA VAN. Antoine Paul Nicolas Franchimont, 1844—1919. Leiden 1934. pp. xiv + 169. ill.
- KIMBERLY, A. E. See UNITED STATES. *Department of Commerce*. Bureau of Standards. Miscellaneous Publications Nos. 142 and 144.
- KING, H. M. See HILL, WILLIAM H.
- KING, R. O. See AIR MINISTRY. *Aeronautical Research Committee*. Reports and Memoranda, No. 1517.
- KIPPING, F. B. See PERKIN, WILLIAM HENRY, JUNR.
- KIPPING, FREDERIC STANLEY. See PERKIN, WILLIAM HENRY, JUNR.
- KONDRATOVICH, R. A., GEORGIEVSKOGO, V. G., and ORLOVA, N. N. Dmitri Ivanovich Mendeléeff. Complete bibliography. Moscow 1932. pp. 64. [In Russian.]
- KRAMERS, H. A. Die Grundlagen der Quantentheorie. See HAND- UND JAHRBUCH DER CHEMISCHEN PHYSIK.
- KRÜGER, D. Zelluloseazetate und die anderen organischen Ester der Zellulose. Dresden 1933. pp. viii + 391.
- KRYAZEBA, G. M. See LOMONOSSOW, M. W.
- KUHN, HEINRICH. Atomspektren. See HAND- UND JAHRBUCH DER CHEMISCHEN PHYSIK.
- LAIRD, D. G. See HILL, WILLIAM H.
- LAURITZEN, J. I. See UNITED STATES. *Department of Agriculture*. Circular No. 304.
- LENTAIGNE, B. See SOUTH KENSINGTON. *Science Museum*.
- LEVINSTEIN, HERBERT. See INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.
- LIDDELL, DONALD M., and DOAN, GILBERT E. The principles of metallurgy. New York 1933. pp. viii + 626. ill.
- LLEWELLYN, H. M. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Building Research*. Bulletin No. 11.
- LLOYD, H. See MINES DEPARTMENT. *Safety in Mines Research Board*. Paper No. 86.
- LOMONOSSOW, M. W. Complete works. Vol. VI. Edited by B. N. MENSCHUTKIN and G. M. KRYAZEBA. Leningrad 1934. pp. x + 438 + 131. ill.
- LONDON COUNTY COUNCIL. Oxidation-reduction potentials in bacteriology and biochemistry. By LESLIE FRANK HEWITT. 2nd edition. London 1933. pp. 81. ill.
- LONG, H. C. Weed suppression by fertilizers and chemicals. Surbiton 1934. pp. 56. ill.
- See MINISTRY OF AGRICULTURE AND FISHERIES. Bulletin No. 75.

LUNDSTROM, F. O. See UNITED STATES. *Department of Agriculture*. Miscellaneous Publication No. 192.

LUNGE, GEORGE. Technical gas analysis. Revised and rewritten by HENRY REASON AMBLER. London 1934. pp. xvi + 410. ill.

MCCANCE, ROBERT ALEXANDER. See MEDICAL RESEARCH COUNCIL. Special Report Series, No. 187.

McKAY, H., and McKAY, H. A. C. The ideas of physical chemistry. London 1934. pp. x + 301. ill.

McKAY, H. A. C. See McKAY, H.

MACNAUGHTAN, D. J. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Miscellaneous Publications. No. 1, and Technical Publications. Series A. No. 1.

MAIER-BODE, HANS, and ALTPETER, JULIUS. Das Pyridin und seine Derivate in Wissenschaft und Technik. Halle (Saale) 1934. pp. viii + 351.

MARDLES, E. W. J. See INTERNATIONAL TIN RESEARCH AND DEVELOPMENT COUNCIL. Technical Publications. Series C. No. 2.

MARLOW, G. S. W. See PRATT, DAVIDSON.

MARRACK, JOHN RICHARDSON. See MEDICAL RESEARCH COUNCIL. Special Report Series. No. 194.

MARSH, J. S. See GREINER, EARL S.

MARTIN, SIR CHARLES JAMES. See AUSTRALIA, COMMONWEALTH OF. *Council for Scientific and Industrial Research*. Bulletin No. 77.

MARTIN, DAVID JOHNSTON. An introduction to thermodynamics for chemists. London 1933. pp. viii + 344. ill.

MARK, ERICH. [Editor.] Handbuch der Radiologie. Vol. VI. Quantenmechanik der Materie und Strahlung. Part ii. Moleküle. Leipzig 1934. pp. viii + 604. ill.

MASSEY, H. S. W. See MOTT, N. F.

MATTHEWS, JANET W. See INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.

MATTHIS, ALFRED R. De la consistance des vernis et autres fluides au point de vue de leurs applications industrielles. 1st supplement to "Les vernis isolants en électrotechnique." Paris 1924. pp. 78. ill.

— Deuxièmes notes sur les huiles pour transformateurs. 1st supplement to "Les huiles pour transformateurs et interrupteurs." Paris 1926. pp. 194. ill.

MATTHIS, ALFRED R., and BELINNE, CH. L. Les huiles pour transformateurs et interrupteurs. Paris [1919]. pp. 152. ill.

MATZ, P. B. See UNITED STATES. *War Department*.

MAYER, FRITZ. Chemie der organischen Farbstoffe. 3rd edition. Vol. I. Berlin 1934. pp. iv + 255. ill.

MEDICAL RESEARCH COUNCIL. Special Report Series, No. 187. The chemistry of flesh foods and their losses on cooking. By ROBERT ALEXANDER MCCANCE and HENRY LEIGH SHIPP. London 1933. pp. 146. ill. (*Reference*.)

— Special Report Series, No. 194. The chemistry of antigens and antibodies. By JOHN RICHARDSON MARRACK. London 1934. pp. 135. ill. (*Reference*.)

MEE, A. J. Physical chemistry. London 1934. pp. xx + 780. ill.

MEEUWEN, CORNELIS VAN. Bijdrage tot de kennis van de oxydatie met organische perzuren. Delft 1934. pp. 119. ill. (*Reference*.)

MEHRING, A. L. See UNITED STATES. *Department of Agriculture*. Circular No. 315.

MELLOR, JOSEPH WILLIAM. Modern inorganic chemistry. 8th edition. London 1933. pp. xx + 1112. ill.

MENDELÉEFF, DMITRI IVANOVICH. See KONDRATOVICH, R. A.

MENSCHUTKIN, BORIS NIKOLAEVITSCH. Chief periods in the development of chemistry in the last one hundred and fifty years. 2nd edition. Leningrad 1933. pp. 119.

— See LOMONOSSOW, M. W.

MÉRIJOT, E. See WALKHOFF, L.

MINES DEPARTMENT. *Safety in Mines* RESEARCH BOARD. Paper No. 81. The prevention of ignition of firedamp by the heat of impact of coal-cutter picks against hard rocks. By MAURICE JOHN BURGESS and RICHARD VERNON WHEELER. London 1933. pp. 14. ill.

— — Paper No. 82. The movement of flame in firedamp explosions. By HUBERT FRANK COWARD and RICHARD VERNON WHEELER. London 1934. pp. 59. ill.

— — Paper No. 83. Firedamp explosions: the projection of flame. Part III. By M. J. BURGESS. London 1934. pp. 20.

— — Paper No. 84. Stemming materials. By J. A. S. RITSON and H. STAFFORD. London 1934. pp. 30. ill.

— — Paper No. 85. Simultaneous shot-firing. (A report by the Shot-firing Sub-committee of the Explosives in Mines Research Committee.) London 1934. pp. 14. ill.

— — Paper No. 86. An automatic firedamp recorder. By H. LLOYD. London 1934. pp. 16. ill.

— — Paper No. 87. The routine method for determining the inflammability of of mine dusts: a modified form of the test. By A. L. GODBERT. London 1934. pp. 12. ill.

— — Paper No. 88. The pressure wave sent out by an explosive. Part III. By

W. PAYMAN and D. W. WOODHEAD. London 1934. pp. 23 + 9 plates.

MINISTRY OF AGRICULTURE AND FISHERIES. Bulletin No. 75. Poisonous plants on the farm. By H. C. LONG. London [1927 reprinted] 1934. pp. vi + 58 + 44 plates.

MINISTRY OF AGRICULTURE AND FISHERIES and DEPARTMENT OF AGRICULTURE FOR SCOTLAND. The Fertilisers and Feeding Stuffs Regulations, 1932. London 1932. pp. 39.

MINISTRY OF HEALTH. *Departmental Committee on the Composition and Description of Food*. Report. London 1934. pp. 18.

— *Reports on Public Health and Medical Subjects*, No. 73. Antimony in enamelled hollow-ware. By G. W. MONIER-WILLIAMS. London 1934. pp. 18.

MITCHELL, ALLAN C. G., and ZEMANSKY, MARK W. Resonance radiation and excited atoms. Cambridge 1934. pp. xvi + 338. ill.

MOLLOY, EDWARD. See CHEMISTRY IN COMMERCE.

MOLT, EVERT LAMBERT. De snelheid der reactie van Cannizzaro. Leiden 1934. pp. xvi + 178. ill.

MONIER-WILLIAMS, G. W. See MINISTRY OF HEALTH. *Reports on Public Health and Medical Subjects*, No. 73.

MOOR, C. G., and PARTRIDGE, WILLIAM. Aids to the analysis of food and drugs. 5th edition. Revised and partly re-written by JOHN RALPH NICHOLLS. London 1934. pp. viii + 322.

MORGAN, GILBERT THOMAS. Experimental researches on co-ordination. (From the *Acharyya Sir P. C. Ray Commemoration Vol.*, 1932.)

MOTT, N. F., and MASSEY, H. S. W. The theory of atomic collisions. Oxford 1933. pp. xvi + 284. ill.

MUNDS, EBERHARDT. Das Bleichen von Zellstoff. Biberach-Riss 1934. pp. xii + 141. ill.

MURTY, N. N. See INDIAN LAC RESEARCH INSTITUTE. Research Note No. 15.

NATIONAL PHYSICAL LABORATORY. *Metrology Department*. Tests on volumetric glassware. Teddington 1934. pp. 34. ill.

NATIONAL SAFETY NEWS. See UNITED STATES. *National Safety Council*.

NICCOL, ROBERT. Essay on sugar, and general treatise on sugar refining, as practised in the Clyde refineries. London 1865. pp. iv + 63. ill.

NICHOLLS, JOHN RALPH. See MOOR, C. G.

NIERENSTEIN, MAXIMILIAN. The natural organic tannins: history, chemistry, distribution. London 1934. pp. viii + 319.

NYROP, J. E. A treatise on the catalytic action of surfaces. Copenhagen 1934. pp. 75.

ÖL UND KOHLE. See DEUTSCHE GESELLSCHAFT FÜR MINERALÖLFORSCHUNG.

ŌHARA INSTITUT FÜR LANDWIRTSCHAFTLICHE FORSCHUNGEN IN KURASCHIKI. Berichte. Vol. V, etc. Kuraschiki 1932 +. (*Reference*.)

ORLOVA, N. N. See KONDRATOVICH, R. A.

ORTH, HANS. See FISCHER, HANS.

O'SULLIVAN, CORNELIUS. See O'SULLIVAN, HUMPHREY DONNELL.

O'SULLIVAN, HUMPHREY DONNELL. The life and work of C. O'Sullivan, F.R.S. Guernsey 1934. pp. 235. (Two copies.)

PARTRIDGE, WILLIAM. See MOOR, C. G.

PATERSON, DAVID. The science of colour mixing. London 1900. pp. xii + 128. ill.

PAULI, WOLFGANG, and VALKÓ, EMMERICH. Kolloidchemie der Eiweisskörper. 2nd edition. Dresden 1933. pp. xiv + 353. ill.

PAUW, EGBERTUS ABRAHAM. Koolstofsuboxyde en zijn inwerking op aminen. 's-Gravenhage 1934. pp. xvi + 148.

PAYMAN, W. See MINES DEPARTMENT. *Safety in Mines Research Board*. Paper No. 88.

PEIRCE, A. W. See AUSTRALIA, COMMONWEALTH OF. *Council for Scientific and Industrial Research*. Bulletin No. 77.

PEKING, NATIONAL UNIVERSITY OF. The Science Quarterly. Vol. IV, etc. Peiping 1934 +. (*Reference*.)

PERKIN, WILLIAM HENRY, JUNR., and KIPPING, FREDERIC STANLEY. Organic Chemistry. New edition. By F. S. and F. B. KIPPING. Part III. London 1934. pp. viii, 615 to 967, xliii.

PERROTT, G. ST. J. See UNITED STATES. *Department of Commerce*. Bureau of Mines. Bulletin 349.

PETERSON, A. J. See UNITED STATES. *Department of Agriculture*. Circular No. 315.

PHARMACEUTICAL FORMULAS. P.F. Vol. II, being the chemists' recipe book of formulas. 10th edition. By GEORGE PETERS FORRESTER. London 1934. pp. xx + 983. (*Reference*.)

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN. *Codex Revision Committee*. Report of Dressings Sub-Committee. London 1933. pp. 13.

— Report of Action and Uses Sub-Committee. London 1933. pp. 14.

— Report of Pharmaceutical Chemistry Sub-Committee. London 1933. pp. 51.

— Report of Pharmacognosy Sub-Committee. London 1933. pp. 20.

— Report of Pharmacy Sub-Committee. London 1933. pp. 49.

- PHYSICA. Vol. I, etc. The Hague 1933 +. (Reference.)
- PILCHER, RICHARD BERTRAM. See INSTITUTE OF CHEMISTRY OF GREAT BRITAIN AND IRELAND.
- PLEDGE, H. T. See SOUTH KENSINGTON. *Science Museum*.
- PLENDERLEITH, H. J. The preservation of antiquities. London 1934. pp. viii + 71. ill.
- PLIMMER, ROBERT HENRY ADERS. Organic and bio-chemistry. 5th edition. London 1933. pp. x + 624. ill.
- PONDER, ERIC. The mammalian red cell and the properties of hæmolytic systems. (Protoplasma-Monographien.) Berlin 1934. pp. xii + 311. ill.
- PORDAGE, A. See INSTITUTION OF FIRE ENGINEERS.
- PRATT, DAVIDSON, and MARLOW, G. S. W. Legal pitfalls for the chemical engineer. London 1934. pp. 70.
- PRENTICE, H. J. See GARNER, F. H.
- PRESTON, JOHN MASSEY. Modern textile microscopy. London 1933. pp. xii + 315. ill.
- PRIDEAUX, EDMUND BRYDGES RUDHALL. See FRIEND, JOHN NEWTON.
- R. STAZIONE SPERIMENTALE PER LE INDUSTRIE DELLA CARTA E DELLE FIBRE TESSILI VEGETALI. Bollettino del Reparto Fibre Tessili Vegetali. Year V, etc. Milano 1933 +. (Reference.)
- R. STAZIONE SPERIMENTALE PER L'INDUSTRIA DELLE ESSENZE E DEI DERIVATI DAGLI AGRUMI IN REGGIO CALABRIA. Bollettino Ufficiale. Year VIII, etc. Reggio Calabria 1933 +. (Reference.)
- RAE, WILLIAM NORMAN, and REILLY, JOSEPH. Physico-chemical practical exercises. London 1934. pp. xvi + 276. ill.
- RANDALL, J. T. The diffraction of X-rays and electrons by amorphous solids, liquids, and gases. London 1934. pp. xii + 290. ill.
- RANGANATHAN, S. See INDIAN LAC RESEARCH INSTITUTE. Research Notes Nos. 13, 14, and 16.
- RANGASWAMI, M. See INDIAN LAC RESEARCH INSTITUTE. Bulletin No. 19 and Research Note No. 9.
- RAQUET, DESIRÉ. See CARON, HUBERT.
- RAWLING, SIDNEY OWEN. Infra-red photography. London 1933. pp. x + 57. ill.
- RAYLEIGH, JOHN WILLIAM STRUTT, BARON. Scientific papers 1861-1910. 5 vols. Cambridge 1899-1912. ill.
- RAYON AND MELLIAND TEXTILE MONTHLY. Vol. XV, etc. New York 1934 +. (Reference.)
- READ, JOHN. Alchemy and alchemists. (From *Folk-Lore*, 1933.)
- REILLY, JOSEPH. See RAE, WILLIAM NORMAN.
- REISEMANN, E. See BAILLEUL, G.
- RESEARCH ASSOCIATION OF BRITISH RUBBER MANUFACTURERS. See SOUTH KENSINGTON. *Science Museum*.
- RICE, T. D. See UNITED STATES. *Department of Agriculture*. Technical Bulletin No. 399.
- RICHARDSON, OWEN WILLANS. Molecular hydrogen and its spectrum. New Haven 1934. pp. xiv + 343. ill.
- RICHTER, VICTOR VON. Organic chemistry or chemistry of the carbon compounds. 3rd English edition. Translated and revised from the 12th German edition by ERIC NEWMARCH ALLOTT. London 1934. pp. xiv + 790. ill. (Reference.)
- RIEGEL, EMIL RAYMOND. Industrial chemistry. [2nd edition.] New York 1933. pp. 784. ill.
- RIESENFELD, ERNST HERMANN. Lehrbuch der anorganischen Chemie. Leipzig 1934. pp. xxiv + 698. ill.
- RINNE, FRIEDRICH, and BEREK, MAX. Anleitung zu optischen Untersuchungen mit dem Polarisationsmikroskop. Leipzig 1934. pp. viii + 279. ill.
- RITCHIE, DOROTHY. See CAMPBELL, NORMAN ROBERT.
- RITCHIE, PATRICK D. Asymmetric synthesis and asymmetric induction. London 1933. pp. x + 155.
- RITSON, J. A. S. See MINES DEPARTMENT. *Safety in Mines Research Board*. Paper No. 84.
- ROARK, R. C. See UNITED STATES. *Department of Agriculture*. Miscellaneous Publication No. 176.
- ROBERTS, JOHN, and JENKNER, ADOLF. International coal carbonization. London 1934. pp. xviii + 453. ill.
- ROODVOETS, ADRIAAN CORNELIS WILLEM. Het ontstaan van begrip valentie. Utrecht 1934. pp. xii + 144. ill.
- ROSENDAHL, FRITZ. Steinkohlenteer. Dresden 1934. pp. x + 194. ill.
- ROYAL COMMISSION ON SEWAGE DISPOSAL. Reports, etc. London 1901-1913.
- SCHEELE, CARL WILHELM. See ZEKERT, OTTO.
- SCHMIDT, L. See UNITED STATES. *Department of Commerce*. Bureau of Mines. Technical Paper 560.
- SCOTLAND. *Department of Agriculture*. See MINISTRY OF AGRICULTURE AND FISHERIES.
- SCRIBNER, B. W. See UNITED STATES. *Department of Commerce*. Bureau of Standards. Miscellaneous Publication No. 144.
- SHEETS, E. W. See UNITED STATES. *Department of Agriculture*. Farmers' Bulletin No. 1718.

- SHERMAN, HENRY CLAPP. Food products. 3rd edition. New York 1933. pp. xiv + 674. ill.
- SHERWIN, CARL P. See HARROW, BENJAMIN.
- SHIPP, HENRY LEIGH. See MEDICAL RESEARCH COUNCIL. Special Report Series, No. 187.
- SHUTTLEWORTH, U. J. KAY, BARON. First principles of modern chemistry. A manual of inorganic chemistry. London 1868. pp. x + 214. (Reference.)
- SIDERSKY, D. Aide-mémoire de chimie appliquée. Paris 1934. pp. xxxii + 982. ill. (Reference.)
- SKUDERNA, A. W. See UNITED STATES. Department of Agriculture. Farmers' Bulletin No. 1718.
- SMITH, D. M. Metallurgical analysis by the spectrograph: being some experiences of the application of the spectrograph to the analysis of non-ferrous metals and alloys. London 1933. pp. xii + 114. ill.
- SMITH, E. C. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. Food Investigation. Special Report No. 43.
- SMITH, KENNETH M. Recent advances in the study of plant viruses. pp. xii + 424. ill.
- SOCIEDADE BRASILEIRA DE QUIMICA. Revista. Vol. III, etc. Rio de Janeiro 1932 +. (Reference.)
- SOCIETY OF DYERS AND COLOURISTS. Report on the work of its Fastness Committee in fixing standards for light, perspiration and washing. Bradford 1934. pp. 52. ill.
- SÖDERQVIST, JONAS. Vakuumpunkenspektren der Elemente Natrium, Magnesium, Aluminium und Silicium. (From the *Nova Acta Soc. Sci.*, 1934, [iv] 9.) pp. 103. ill.
- SOUTH KENSINGTON. Science Museum. A five year bibliography of the theory of refrigeration, refrigerants and appliances 1929-1933. Compiled by H. T. PLEDGE. London 1934. pp. 97. (Reference.)
- — — Guide to the refrigeration exhibition and a brief account of the historical development of mechanical refrigeration. 2nd edition. By T. C. CRAWHALL and B. LENT-AIGNE. London 1934. pp. 28. ill.
- — — Bibliographical Series No. 151. Rubber: its anti-oxidants and preservatives. Compiled by the SCIENCE LIBRARY and the RESEARCH ASSOCIATION OF BRITISH RUBBER MANUFACTURERS. London 1934. pp. 82. [In mimeograph form.] (Reference.)
- SOUTH METROPOLITAN GAS CO. Chemical Department. The solid products of the carbonisation of coal. London 1934. pp. 123. ill.
- STAFFORD, H. See MINES DEPARTMENT. Safety in Mines Research Board. Paper No. 84.
- STAGNER, BERT ALLEN. See KALICHEVSKY, VLADIMIR A.
- STAMMER, CHARLES. Traité complet théorique et pratique de la fabrication du sucre. Paris [n.d.]. pp. vi + 504. ill.
- STAPLETON, HENRY ERNEST. See IBN UMAIL AT-TAMĪMĪ, ABŪ 'ABDALLĀH MUḤAMMAD.
- STEELE, CATHERINE CASSELS. An introduction to plant biochemistry. London 1934. pp. viii + 356. ill.
- STOCK, ALFRED. Hydrides of boron and silicon. Ithaca 1933. pp. x + 250. ill.
- STOCK, ERICH. See TSCHIRCH, ALEXANDER.
- STOUGHTON, BRADLEY. See GREINER, EARL S.
- TANNER, FRED WILBUR. Food-borne infections and intoxications. Champaign 1933. pp. viii + 439.
- [TATE, FRANCIS GEORGE HENRY.] Tables showing the relation between the specific gravity of spirits at $\frac{80^{\circ}}{80^{\circ}}$ Fahrenheit, the corresponding percentage of proof spirit and the percentage of alcohol by weight. London 1933. pp. 47. (Reference.)
- TESSMANN, A. M. See UNITED STATES. National Advisory Committee for Aeronautics. Report No. 476.
- THAKUR, A. K. See INDIAN LAC RESEARCH INSTITUTE. Bulletin No. 17.
- THORNE, PERCY CYRIL LESLEY. See EPHRAIM, FRITZ.
- THORPE, SIR EDWARD. Dictionary of applied chemistry. Supplement. By JOCELYN FIELD THORPE and MARTHA ANNIE WHITELEY. Vol. I. London 1934. pp. xxii + 680. ill. (Reference.)
- THORPE, JOCELYN FIELD. See THORPE, SIR EDWARD.
- TOLCH, N. A. See UNITED STATES. Department of Commerce. Bureau of Mines. Bulletin 349.
- TONGUE, HAROLD. The design and construction of high pressure chemical plant. London 1934. pp. x + 420. ill.
- TRIMBLE, CHARLES S. See UNITED STATES. DEPARTMENT OF AGRICULTURE. Circular No. 279.
- TSCHIRCH, ALEXANDER, and STOCK, ERICH. Die Harze. Die botanischen und chemischen Grundlagen unserer Kenntnisse über die Bildung, die Entwicklung und die Zusammensetzung der pflanzlichen Exkrete. 3rd edition. Vol. I. Berlin 1933. pp. xvi + 418. ill.
- TUTIN, JOHN. The atom. London 1934. pp. 109.

TWYMAN, F., and ALLSOPP, C. B. The practice of absorption spectrophotometry with Hilger instruments. 2nd edition. London 1934. pp. 140. ill.

UNION INTERNATIONALE DE CHIMIE. *Commission Permanente de Thermochimie*. Premier rapport. Paris 1934. pp. 32.

UNION OF SOCIALIST SOVIET REPUBLICS. *Academie des Sciences*. Comptes Rendus. Vol. I, etc. Leningrad 1933+. (Reference.)

UNITED STATES. *Department of Agriculture*. Circular No. 279. Methods for manufacturing acid-precipitated casein from skim milk. By CHARLES S. TRIMBLE and R. W. BELL. Washington 1933. pp. 36. ill.

— Circular No. 304. Windrowing qualities of Co. 281 and other varieties of sugarcane under Louisiana conditions. By R. T. BALCH and J. I. LAURITZEN. Washington 1933. pp. 14.

— Circular No. 315. Changes in composition of American fertilizers, 1880-1932. By A. L. MEHRING and A. J. PETERSON. Washington 1934. pp. 20. ill.

— Farmers' Bulletin No. 1718. Important sugar-beet by-products and their utilization. By A. W. SKUDERNA and E. W. SHEETS. Washington 1934. pp. 29. ill.

— Miscellaneous Publication No. 176. Bibliography of chloropicrin, 1848-1932. By R. C. ROARK. Washington 1934. pp. 88.

— Miscellaneous Publication No. 192. A review of the patents and literature on the manufacture of potassium nitrate with notes on its occurrence and uses. By C. W. WHITTAKER and F. O. LUNDSTROM. Washington 1934. pp. 53.

— Miscellaneous Publication No. 206. The naval stores station of the Bureau of Chemistry and Soils. By F. P. VEITCH. Washington 1934. pp. 11. ill.

— Technical Bulletin No. 399. A study of claypan soils. By IRVIN C. BROWN, T. D. RICE, and HORACE G. BYERS. Washington 1933. pp. 42.

— *Department of Commerce*. Bureau of Mines. Bulletin 349. Liquid-oxygen explosives. By G. ST. J. FERROT and N. A. TOLCH. Washington 1932. pp. vi + 88. ill.

— Technical Paper 560. Corrosion of steel by gases containing traces of hydrogen sulphide: effect of pressure and moisture conditions. By J. M. DEVINE, C. J. WILHELM, and L. SCHMIDT. Washington 1933. pp. 20. ill.

— Bureau of Standards. Miscellaneous Publication No. 142. A study of the removal of sulphur dioxide from library air. By A. E. KIMBERLY and A. L. EMLEY. Washington 1933. pp. 9. ill.

UNITED STATES. *Department of Commerce*. Bureau of Standards. Miscellaneous Publication No. 144. Summary report of Bureau of Standards research on preservation of records. By A. E. KIMBERLY and B. W. SCRIBNER. Washington 1934. pp. 27. ill.

— *Department of the Interior*. Geological Survey. Circular 1, etc. Washington 1933+. (Reference.)

— *National Advisory Committee for Aeronautics*. Report No. 476. Relation of hydrogen and methane to carbon monoxide in exhaust gases from internal-combustion engines. By H. C. GERRISH and A. M. TESSMANN. Washington 1933. pp. 11. ill.

— *National Safety Council*. National Safety News. Vol. XXV, etc. Chicago 1932+. (Reference.)

— *War Department*. The residual effects of warfare gases. By H. L. GILCHRIST and P. B. MATZ. Washington 1933. pp. iv + 93, iv + 55.

VALKÓ, EMMERICH. See PAULI, WOLFGANG.

VALLADARES, J. F. See BOMBAY PRESIDENCY. *Department of Industries*. Bulletin No. 9.

VEITCH, F. P. See UNITED STATES. *Department of Agriculture*. Miscellaneous Publication No. 206.

VENUGOPALAN, M. See INDIAN LAC RESEARCH INSTITUTE. Bulletin No. 18 and Research Notes Nos. 10, 12, 14, and 17.

VEREIN DER DEUTSCHEN ZUCKER-INDUSTRIE. Experimental-Untersuchungen auf dem Gebiete der Zuckerfabrikation . . . 1887-1903. By ALEXANDER HERZFELD and others. Berlin 1904. pp. xiv + 673. ill.

VICKERY, HUBERT BRADFORD [and others]. Chemical investigations of the tobacco plant. Washington 1933. pp. viii + 77. ill.

WACKERS, MARIA LOUISE. Derivaten van 2.4.6.trinitro- en 2.4.dinitrophenyl- α .methylhydrazine. Leiden 1934. pp. xii + 83.

WAGNER, ALFRED. Aromastoffe. Dresden 1933. pp. xvi + 322.

WALKER, W. CAMERON. A portrait of Joseph Priestley and some of its associations. (From the *Proc. Leeds Phil. Soc.*, 1934, 2.) ill.

— The beginnings of the scientific career of Joseph Priestley. (From *Isis*, 1934, 21.) ill.

WALKHOFF, L. Traité complet de fabrication et raffinage du sucre de betteraves. Translated from the 3rd German edition by E. MÉRIJOT. 2 vols. Paris 1870-71. pp. viii + 536, iv + 498. ill.

WATKINS, CYRIL MERCER. See DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH. *Building Research*. Bulletin No. 12.

WATTENBERG, HERMANN. See DEUTSCHE ATLANTISCHE EXPEDITION.

WHEELER, RICHARD VERNON. See MINES DEPARTMENT. *Safety in Mines Research Board*. Papers Nos. 81, 82.

WHITELEY, MARTHA ANNIE. See THORPE, SIR EDWARD.

WHITTAKER, C. W. See UNITED STATES. *Department of Agriculture*. Miscellaneous Publication No. 192.

WILHELM, C. J. See UNITED STATES. *Department of Commerce*. Bureau of Mines. Technical Paper 560.

WILLIAMS, C. H. B. See BRITISH GUIANA. *Department of Agriculture*. Sugar Bulletin No. 2.

WILLIAMSON, A. T. See HINSHELWOOD, C. N.

WILLSTAEDT, HARRY. Carotinoide, Bakterien- und Pilzfarbstoffe. (Sammlung, N.F. Heft 22.) Stuttgart 1934. pp. 119. (*Reference.*)

WINKEL, AUGUST, and JANDER, GERHART. Schwebstoffe in Gasen: Aerosole. Über die Darstellung, die Eigenschaften, das Vorkommen und die Verwendung von Nebel, Staub und Rauch. (Sammlung, N.F. Heft 24.) Stuttgart 1934. pp. 116. ill. (*Reference.*)

WOLFE, HERBERT J. The manufacture of printing and lithographic inks. New York 1933. pp. xiv + 295. ill.

WOODHEAD, D. W. See MINES DEPARTMENT. *Safety in Mines Research Board*. Paper No. 88.

WORLD LIST OF SCIENTIFIC PERIODICALS. Published in the years 1900-1933. 2nd edition. London 1934. pp. xiv + 780. (*Reference.*)

WORLD PETROLEUM CONGRESS. Organised by the Institution of Petroleum Technologists. Held . . . July 19th-25th, 1933. Proceedings. 2 vols. London 1934. pp. xxiv + 592, xxvi + 956. ill. (*Reference.*)

WRIGHT, CHARLES HAROLD. Soil analysis: a handbook of physical and chemical methods. London 1934. pp. viii + 236. ill.

ZECHMEISTER, L. Carotinoide. Ein biochemischer Bericht über pflanzliche und tierische Polyenfarbstoffe. Berlin 1934. pp. xii + 338. ill.

ZEKERT, OTTO. Carl Wilhelm Scheele. Sein Leben und seine Werke. Mittenwald 1931-33. pp. 42 + iv + 303. ill.

ZEMANSKY, MARK W. See MITCHELL, ALLAN C. G.

PRINTED IN GREAT BRITAIN BY
RICHARD CLAY & SONS, LIMITED,
BUNGAY, SUFFOLK.