

AUTHOR INDEX

THE JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY VOL. III, 1911

<p>ADAMS, A. B. Substitution of Spirits for Aged Whisky, Discussion of Trial, U. S. vs. Nine Barrels of Whisky..... 647</p> <p>ADAMS, G. O. and H. W. CLARK. A Study of Carbon in Sewage and Sewage Purification..... 738</p> <p>ADAMSON, G. P. Division of Industrial Chemists and Chemical Engineers..... 610</p> <p>ALLEN, I. C. Specifications for the Purchase of Fuel Oils for the Government, with Directions for Sampling Oil and Natural Gas..... 730</p> <p>ANDERSON, H. O. The Use of Alundum Crucibles in Fatty Acid Determinations..... 42</p> <p>ARSEM, W. C. Transformation of other Forms of Carbon into Graphite..... 799</p> <p>ASHLEY, H. E. Decomposition of and Preparing Sulphates from Clays by Smelter Smoke..... 91</p> <p>ASHLEY, H. E. and W. E. EMLEY. Errors in Determining the Size of Grains of Minerals..... 87</p> <p>ASTON, J. Utility of Metallographic Microscope..... 462</p> <p>ATKINSON, F. C. and J. M. McCANDLESS. A Bacteriological Method for Determining Organic Nitrogen..... 174</p> <p>AYLSWORTH, J. W. Condensite (Letter to Editor)..... 615</p> <p>BACON, R. F. and P. B. DUNBAR. Two New Pieces of Chemical Apparatus..... 930</p> <p>BACON, R. F. and P. B. DUNBAR. Determination of Malic Acid..... 826</p> <p>BACON, R. F. Bulletin Agricole du "Royaume de Belgique, Ministers des Colonies" (Book Review)..... 708</p> <p>BACON, R. F. and W. D. BIGELOW. Tin Salts in Canned Foods of Low Acid Content..... 832</p> <p>BAEKELAND, L. H. Recent Developments in Bakelite..... 932</p> <p>BAEKELAND, L. H. Chemistry and Manufacture in America: Discussion on Duncan's Address..... 185</p> <p>BAEKELAND, L. H. Condensation Products of Phenols and Formaldehyde (Letter to Editor)..... 518</p> <p>BAEKELAND, L. H. Municipal Chemistry, by Charles Baskerville (Book Review)..... 194</p> <p>BAHNEY, L. W. Agitator for Determinations of Silver, Phosphorus and Magnesia..... 594</p> <p>BARNARD, H. E. Cold Storage (Ed.)..... 285</p> <p>BARTOW, E. and C. E. MILLAR. Extent and Composition of the Incrustation on Filter Sands..... 94</p> <p>BASKERVILLE, C. and W. A. HAMOR. Chemistry of Anaesthetics. I. Ethyl Ether..... 301, 378</p> <p>BASKERVILLE, C. and R. STEVENSON. The Chemistry of Anaesthetics. II. Examination of Commercial Oxygen..... 471</p> <p>BASKERVILLE, C. and R. STEVENSON. Contributions to the Chemistry of Anaesthetics. III. Nitrous Oxide..... 579</p> <p>BAUDISCH, O. and V. L. KING. Cupferron, its Use in Quantitative Analysis..... 629</p> <p>BENEKER, J. C. Rapid and Accurate Method for the Analysis of White Metals..... 637</p> <p>BENNER, R. C. and M. L. HARTMANN. Cupellation..... 805</p> <p>BENNER, R. C. Employment Bureau (Letter to Editor)..... 438</p> <p>BENSON, H. K. and M. DARRIN. A Preliminary Study of Oil of Douglas Fir..... 818</p> <p>BENSON, H. K. and C. POLLOCK. A New Accelerated Test for Paints..... 670</p> <p>BERGER, R. The Preservation of Eggs..... 493</p> <p>BEROLZHEIMER, D. D. Subject List of Works on Chemistry in Patent Office, by W. T. Frank (Book Review)..... 874</p> <p>BEROLZHEIMER, D. D. New Publications..... 194, 270, 362, 533, 621, 708, 793, 875, 955</p> <p>BEROLZHEIMER, D. D. Classified List of Recent Journal Articles..... 448</p> <p>BIGELOW, W. D. Division of Agriculture and Food Chemists..... 612</p> <p>BIGELOW, W. D. and R. F. BACON. Tin Salts in Canned Foods of Low Acid Content..... 832</p> <p>BIZZELL, J. A. and L. LYON. Composition of Drainage Water of a Soil with and without Vegetation..... 742</p> <p>BLAIR, A. W. and S. E. COLLISON. Tanks for Soil Investigations at the Florida Agricultural Experiment Station..... 32</p> <p>BLAKELEY, A. G. and E. M. CHANCE. The Accurate Technical Estimation of Caloric Value of Anthracite Coal..... 557</p> <p>BLUM, W. and W. F. HILLEBRAND. The Determination of Manganese by the Sodium Bismuthate Method..... 374</p> <p>BOLTZ, G. E. and C. J. SCHOLLENBERGER. An Automatic Pipette..... 772</p> <p>BOOTH, W. M. Boiler Water Purification..... 326</p> <p>BORROWMANN, G. Chemistry and the Engineer..... 186</p>	<p>BOUGHTON, E. W. and P. H. WALKER. The Fluorescent Test for Mineral and Rosin Oils..... 816</p> <p>BOWACK, D. A., J. S. REMINGTON and P. DAVIDSON. Paper-Makers' Clays..... 550</p> <p>BOWACK, D. A., J. S. REMINGTON and P. DAVIDSON. The Sizing of Paper with Rosin Compounds..... 466</p> <p>BOWLES, J. T. B. Treatment of Creamery Sewage by the Septic Tank Process..... 400</p> <p>BOWMAN, R. G. and E. T. DITRUS. The Direct Production of Molybdenum Steel in the Electric Furnace..... 717</p> <p>BOWSER, L. T. The Estimation of Calcium by Means of Potassium Permanganate..... 82</p> <p>BOWSER, L. T. Precipitation of Sulphur from Dilute Lime-Sulphur Solutions..... 111</p> <p>BOSART, L. W. An Improved Picnometer for Glycerin..... 508</p> <p>BRADLEY, C. E. The Composition of Apple as Affected by Irrigation..... 496</p> <p>BRADY, W. and L. A. TOUZALIN. The Determination of Dust in Blast Furnace..... 662</p> <p>BRADY, W. Composition and Heat Treatment of Steel, by E. F. Lake (Book Review)..... 445</p> <p>BRADY, W. Iron Ores of Lake Superior, by Crowell and Murray (Book Review)..... 532</p> <p>BRECKENRIDGE, J. E. Division of Fertilizer Chemistry..... 611</p> <p>BRECKENRIDGE, J. E. Division of Fertilizer Chemists at the December Meeting..... 117, 119</p> <p>BREGOWSKY, I. M. and L. W. SPRING. High Speed Steel, by O. M. Becker (Book Review)..... 46</p> <p>BRINTON, P. H. M.-P. The Determination of Manganese by the Sodium Bismuthate Method..... 237</p> <p>BRINTON, P. H. M.-P. Manganese by the Sodium Bismuthate Method (Cor.)..... 376</p> <p>BROWN, B. E. and E. C. LATHROP. Studies in Organic Soil Nitrogen..... 657</p> <p>BROWN, C. A. Handbook ten Dienste van de Suikerriet-Cultuur en de Rietsuiker-Fabricage op Java (Book Review)..... 708</p> <p>BROWN, C. E. and G. B. SHADINGER. Flask for Distillation of Tar..... 616</p> <p>BROWN, G. H. Everett Harrison Ashley (Obituary)..... 353</p> <p>BRYAN, A. H., A. GIVEN and M. N. STRAUGHN. Extraction of Grains and Cattle Foods for the Determination of Sugars: A Comparison of Methods..... 486</p> <p>BULL, S. A Comparison between the Refraction and the Specific Gravity of Milk Serum..... 44</p> <p>BURKE, E. and R. M. PINCKNEY. Action of Alkali Salts upon Portland Cement..... 317</p> <p>BUSWELL, A. M. and R. H. MCKEE. A Thermostat for Moderate Temperatures..... 671</p> <p>CAIN, J. R. The Determination of Manganese in Vanadium and Chrome-Vanadium Steels..... 630</p> <p>CAIN, J. R. The Determination of Vanadium in Vanadium and Chrome Vanadium Steels..... 476</p> <p>CAMERON, F. K. The Theoretical Basis for the Use of Commercial Fertilizers..... 188</p> <p>CAMPBELL, A. and C. P. LONG. Saponification of Fats for Titer Determination..... 114</p> <p>CARPENTER, F. B. Report of the Committee on Fertilizer Legislation..... 696</p> <p>CATHCART, C. S. The Use of Nitrate of Soda in Commercial Fertilizers..... 30</p> <p>CHANCE, E. M. and A. G. BLAKELEY. The Accurate Technical Estimation of Caloric Value of Anthracite Coal..... 557</p> <p>CHANCE, E. M. Elementary Chemistry for Coal Mining Students, by L. T. O'Shey (Book Review)..... 443</p> <p>CHANDLER, C. F. Presentation Address of Perkin Medal Award..... 144</p> <p>CHURCH, S. R. Methods for Testing Coal, Tar and Refined Tars, Oils and Pitches Derived Therefrom..... 227</p> <p>CLARK, H. W. and G. O. ADAMS. A Study of Carbon in Sewage and Sewage Purification..... 738</p> <p>CLEMENT, J. K. The Work of the Chemical Laboratories of the Bureau of Mines..... 96</p> <p>CLINE, MCG. The Forest Products Laboratory..... 15</p> <p>COBLENTZ, V. Pure Drugs and Medicines (Ed.)..... 540</p> <p>COLLISON, S. E. and A. W. BLAIR. Tanks for Soil Investigation at the Florida Agricultural Experiment Station..... 32</p> <p>CONDON, L. A. Water in Canned Tomatoes and the Detection of Added Water to Canned Tomatoes..... 744</p> <p>COTTRELL, F. G. The Electrical Precipitation of Suspended Particles..... 542</p>
---	--

CRITES, B. O. Determination of Vanadium in Steel and Iron.....	574	GURNEY, H. P. Heat Radiation.....	807
CURRY, B. E. Division of Agricultural and Food Chemists, December Meeting.....	195	GURNEY, H. P. Heat Transmission.....	455
CUSHMAN, A. S. The Determination of Oxygen in Iron and Steel....	372	HACKETT, J. L. Electrolytic "Alterative" (Letter to Editor)....	941
DANNERTH, F. Professional Etiquette (Ed.).....	879	HAGAR, E. M. The Utilization of the Wastes of a Blast Furnace....	604
DANTSIZEN, C. and R. WINNE. Electric Furnace with Heating Element of Ductile Tungsten or Ductile Molybdenum.....	770	HAGEDORN, C. E. Report of the Committee on Phosphate Rock....	120
DARRIN, M. and H. K. BENSON. A Preliminary Study of Oil of Douglas Fir.....	818	HALL, C. M. Acknowledgment of Perkin Medal Award.....	146
DAVIDSON, P., J. S. REMINGTON and D. A. BOWACK. Paper-Makers' Clays.....	550	HALL, R. A. Preparation of Neutral Ammonium Citrate Solutions by the Conductivity Method.....	559
DAVIDSON, P. and J. S. REMINGTON. The Sizing of Paper with Rosin Compounds.....	466	HALLAND, A. S. Cryolite and its Industrial Applications.....	63
DAVIS, G. C. Dissolving Silicon Alloys.....	42	HAMILTON, A. The Hygiene of the White Lead Industry.....	422
DEAN, A. L. and C. R. DOWNS. Laboratory Distillation of Water Gas Tar.....	108	HAMILTON, H. C. Soaps, their Germicidal and Insecticidal Values from Different Glycerides.....	582
DENIS, W. The Detection of Prune Juice and Caramel in Vanilla Flavoring Extracts.....	254	HAMMETT, F. S. and B. L. HARTWELL. The Effect of Phosphorus Manuring on the Amount of Inorganic Phosphorus in Flat Turnip Roots.....	831
DITTUS, E. T. and R. G. BOWMAN. The Direct Production of Molybdenum in the Electric Furnace.....	717	HAMOR, W. A. and C. BASKERVILLE. The Chemistry of Anaesthetics. I. Ethyl Ether.....	301, 378
DOREMUS, C. C. Bernard G. Amend (Obituary).....	351	HANDY, J. O. Method of Analyzing some Gold Alloys.....	804
DOWNS, C. R. Note on Distillation of Tars Containing Water.....	110	HANDY, J. O. and J. M. KNOTE. Concentration and Purification of Iron Ore, High in Sulphur, by Roasting in a Rotary Kiln.....	723
DOWNS, C. R. and A. L. DEAN. Laboratory Distillation of Water Gas Tar.....	108	HARKINS, W. D. Kaiser Wilhelm Institut für physikalische Chemie und Elektro-chemie.....	938
DRAPER, C. N. and P. HUBBARD. Naphthalene in Road Tars.....	903	HARTMANN, M. L. and R. C. BENNER. Cupellation.....	805
DUBOIS, W. L. and C. I. LOTT. Determination of Cocoa Shells in Cocoa Powder.....	251	HARTWELL, B. L. and F. R. PEMBER. The Availability of the Insoluble Nitrogen in Commercial Fertilizers.....	584
DUNBAR, P. B. and R. F. BACON. Two New Pieces of Chemical Apparatus.....	930	HARTWELL, B. L. and F. S. HAMMETT. The Effect of Phosphorus Manuring on the Amount of Inorganic Phosphorus in Flat Turnip Roots.....	831
DUNBAR, P. B. and R. F. BACON. Determination of Malic Acid.....	826	HEATH, G. L. The Determination of Arsenic and Antimony in Copper.....	78
DUNCAN, R. R. Problems Connected with the Relation between Chemistry and Manufacture in America.....	177	HEATH, G. L. The Exact Electrolytic Assay of Refined Copper.....	74
DURAND, H. A Method for Filtration.....	872	HÉROULT, P. L. V. Address, Perkin Medal Award.....	149
EKELEY, J. B. The Nature of Some Coal Dusts and Mine Air from Colorado Mines.....	586	HERSTEIN, B. The Centenary of Glucose and the Early History of Starch.....	158
ELDREK, F. R. Division of Pharmaceutical Chemists.....	613	HERSTEIN, B. Potash from Feldspar.....	426
ELLIOTT, E. L. The Chemists' Building.....	208	HICKS, E. F. New Color Reactions for some Resins with Halphen's Reagent.....	86
EMLEY, W. E. and H. E. ASHLEY. Errors in Determining the Size of Grains in Minerals.....	87	HILLEBRAND, W. F. and W. BLUM. The Determination of Manganese by the Sodium Bismuthate Method.....	374
ERNST, W. A. and C. N. WILEY. A Scheme for the Rapid Analysis of Cement.....	551	HILLEBRAND, W. F. Report of the Committee on the Quality of Platinum Laboratory Utensils.....	686
EVANS, A. C. and C. HOFFMANN. The Use of Spices as Preservatives.....	835	HIORTH, A. Design of a Thirty-Ton Induction Electric Furnace....	849
FAIRCHILD, J. G. Some New Features in the Electrolytic Determination of Lead.....	902	HIRSCH, A. The Preparation and Properties of Metallic Cerium....	880
FARNHAM, G. Report of the Coöperative Work on Phosphoric Acid of the Fertilizer Chemist.....	118	HOFFMANN, A. and A. C. EVANS. The Use of Spices as Preservatives.....	835
FITZGERALD, F. A. J. An Electric Furnace for Zinc Smelting.....	417	HOGLAND, R. The Determination of Gliadin or Alcohol Soluble Protein in Wheat Flour.....	833
FOX, C. P. Tensile Strength of Hair Cloth.....	112	HOLLAND, E. B. The Determination of Arsenic in Insecticides.....	168
FRANCIS, C. K. A New Form of Extraction Apparatus.....	673	HOLLAND, E. B. Purification of Insoluble Fatty Acids.....	171
FRANKFORTER, G. B. Waste Wood and its Utilization.....	4	HORNE, W. D. Cane Sugar, by Noel Deerr (Book Review).....	268
FRAPS, G. S. Effect of Ignition on Solubility of Soil Phosphates.....	335	HOSKINS, W. Practical Stamp Milling and Amalgamation, by H. W. McFarren (Book Review).....	47
FRERICHS, F. W. Some Problems in Chemical Engineering Practice.....	774, 856	HOSKINS, W. Testing for Metallurgical Processes, by J. A. Barr (Book Review).....	47
FRENCH, H. F. A New Method for Determining the Melting Point of Pitch.....	907	HOUGHTON, W. The Effect of Low Temperatures on Ground Chicken Meat.....	497
FULLER, H. C. The Presence of Arsenic in the Coating of Tablets....	254	HOWARD, C. D. The Estimation of Essential Oils.....	252
FULLER, H. C. The Determination of Camphor.....	791	HUGHES, L. S. The Development of Paint Formulæ.....	39
GALLAGHER, F. E. Division of Industrial and Engineering Chemists, December Meeting.....	115	HUBBARD, P. The Relation of Chemistry to Highway Engineering (Ed.).....	714
GARDNER, H. A. The Effect of Pigments Ground in Linseed Oil....	628	HUBBARD, P. and C. N. DRAPER. Naphthalene in Road Tars.....	903
GILL, A. H. and A. E. SHIPPEE. A Comparison of Methods of Determining Unsaponifiable Matter in Wool Oils.....	72	HUNGERFORD, C. Filtration of Water.....	408
GILL, A. H. and A. E. SHIPPEE. Liability of Gumming on Oxidation Wool Oils.....	73	HYDE, B. T. B. Endowment Fund (Ed.).....	367
GILLET, H. W. The Formation Temperature of Carborundum.....	242	ISHAM, H. Loss of Carbon during Solution of Steel in Potassium Cupric Chloride.....	577
GIN, W. C. Der Kautschuk und seine Prüfung, by F. W. Hinrichsen and K. Memler (Book Review).....	46	JAMIESON, G. S. A Volumetric Method for Antimony in Alloys....	250
GIVEN, A., A. H. BRYAN and M. N. STRAUGHN. Extraction of Grains and Cattle Foods for the Determination of Sugars: A Comparison of Methods.....	486	JOHNSON, C. M. Milling Machine for Sampling Steel.....	932
GOODWIN, J. H. Determination of Tin and Antimony in Soft Solder. 42	42	JONES, A. J. Transforming Stations of Niagara Electrochemical and Electrometallurgical Industries.....	756
GORE, H. C. Electrically Controlled Constant Temperature Water Bath for the Immersion Refractometer.....	506	JONES, J. S. Analysis of Characteristic Timber Soils.....	246
GRABER, H. T. Some Observations upon the Assay of Digestive Ferments.....	919	JONES, L. C. The Manufacture of Ammonia in By-product Coke Ovens.....	589
GREEN, A. E. Conservation of Our Metal Resources.....	674	JONES, L. C. H. W. McLaughlan (Obituary).....	870
GRETH, J. C. W. Time, Temperature and Composition as Factors in Softening Water.....	13	JOYCE, C. M. Invention of Celluloid (Letter to Editor).....	702
GROSS, A. and H. C. SHERMAN. The Detection of Salicylic Acid....	492	JOYCE, C. M. Nitrocellulose Industry, by E. C. Worden (Book Review).....	442, 531
GROSS, A. Testing Milk and its Products by E. H. Farrington and F. W. Woll (Book Review).....	296	JOYCE, M. Le Fabrications de Celluloid, Applications, Substitutes, by Masselon, Roberts and Cellard (Book Review).....	193
		KEEN, W. H. A Few Laboratory Helps.....	702
		KEISER, E. H. Report upon the Third National Conservation Congress.....	868
		KELLEY, W. P. Study of the Composition of Hawaiian Pineapples... 403	403

KEMPSTER, J. H. Portland Cement as a By-product.....	33	MORK, H. S. Die Chemie der Cellulose, by C. G. Schwalbe (Book Review).....	46
KERR, R. H. The Use of Glycerin in Saponifying Fats in the Titer Test.....	114	MORK, H. S. Die Unterscheidung der Natürlichen und Künstlichen Seiden, by A. Herzog (Book Review).....	46
KESSLER, J. J. and G. K. MATHIASON. On the Interpolation Method of Oil Analysis.....	66	MOTT, F. E. Cider Vinegar.....	747
KING, V. L. and O. BAUDISCH. Cupferron, Its Use in Quantitative Analysis.....	629	MUER, H. F. The Determination of Sulphur in Coal, by Jackson's Turbidimeter.....	553
KNOTE, J. M. and J. O. HANDY. Concentration and Purification of Iron Ore High in Sulphur by Roasting in a Rotary Kiln.....	723	MURRAY, B. L. Division of Pharmaceutical Chemists, December Meeting.....	121
KOENIG, W. A. Koenig Potash Bulb.....	113	MURSTER, O. H. Apparatus for Receiving and Measuring Oil or Naphtha Distilled with Steam.....	773
KRAFFT, A. Filtering Rack.....	113	NELSON, H. K. The Quantitative Determination of Ketones in Essential Oils.....	588
KRESS, O. Fibers Used in Textile and Allied Industries, by C. A. Mitchell and R. M. Pridéau (Book Review).....	360	NORRIS, R. S. Sampler for Condenser Waters (Letters to Editor)...	791
KRESS, O. Kenntnis der Cellulosearten, by Walter Schulz (Book Review).....	444	NORRIS, R. S. Sugar Lost by Entrainment (Cor.).....	702
KRESS, O. Literatur der Zellstoffnik im Jahre 1909, by C. C. Schwalbe and A. Lutz (Book Review).....	360	NOWAK, C. A. The Importance of Colloid Chemistry in Brewing (Abs.).....	356
KRESS, O. Papermakers' Pocketbook, by J. Beveridge (Book Review).....	874	NURENBERG, H. I. and H. C. LYTHGOE. Composition of Tincture of Ginger.....	910
KRESS, O. Wood Pulp and its Uses, by W. R. Sindall, C. F. Cross and E. J. Bevan.....	955	ORTON, E. Nathaniel Wright Lord (Obituary).....	517
KRESSMAN, F. W. and S. W. PARR. The Spontaneous Combustion of Coal.....	151	OWEN, W. L. A Recently Discovered Bacterial Decomposition of Sucrose.....	481
LANGMUIR, A. C. Report of the Committee on Glycerine Analysis. LANGWORTHY, C. F. Austrian Food Code (Book Review).....	679	PACKARD, H. N. The Thomas Gas Meter.....	842
LANGWORTHY, C. F. Chemistry of Food and Nutrition, by H. C. Sherman (Book Review).....	793	PARKER, C. L. Recent Inventions.....	52, 128, 200, 272, 363, 449, 534, 622, 710, 795, 876, 957
LATHROP, E. C. and B. E. BROWN. Studies in Organic Soil Nitrogen.	361	PARR, S. W. The Determination of Volatile Matter in Coal.....	900
LAURENCE, J. C. Paving Bricks (Letter to Editor).....	657	PARR, S. W. and F. W. KRESSMAN. The Spontaneous Combustion of Coal.....	151
LIPMAN, J. G. Relation of Nitrate of Soda to the Mechanical Condition of Commercial Fertilizers.....	115	PARSONS, C. L. General Meeting of the American Chemical Society.	366
LITTLE, A. D. The Earning Power of Chemistry.....	655	PATRICK, W. A. and W. H. WALKER. Method for Testing Galvanized Iron to Replace the Preece Test.....	239
LOBB, L. Influence of Variation in Specific Heat of Water on Calorimetry of Fuels.....	598	PECK, S. S. Nitric Nitrogen in Mixed Fertilizers.....	817
LONG, C. P. and A. CAMPBELL. Saponification of Fats for Titer Determination.....	175	PEMBER, F. R. and B. L. HARTWELL. The Availability of the Insoluble Nitrogen in Commercial Fertilizers.....	584
LOTT, C. I. and W. L. DUBOIS. Determination of Cocoa Shells in Cocoa Powder.....	114	PENCE, C. M. The Bromine and Iodometric Method for the Determination of Resorcinol.....	820
LOW, W. H. Notes on the Twitchell Process of Decomposing Fats.	251	PINCKNEY, R. M. and E. BURKE. Action of Alkali Salts upon Portland Cement.....	317
LOW, W. H. Weights for Standard Solutions (Letter to Editor)....	616	PLANCK, G. L. V. Manganese in Steel (Letter to Editor).....	941
LOWENSTEIN, A. Report of the Committee on Fertilizer Legislation, Fertilizer Chemists, December Meeting.....	702	POETSCHKE P. Determination of Total Solids in Milk.....	405
LUCKE, C. E. Heat Transfer (Ed.).....	120	POLLOCK, C. and H. H. BENSON. A New Accelerated Test for Paints.	670
LYTHGOE, H. C. and C. E. MARSH. The Detection of Benzoic Acid in Coffee Extract.....	454	PORTER, F. B. Efficiency in Acid Phosphate Manufacture.....	108
LYTHGOE, H. C. and H. I. NURENBERG. Composition of Tincture of Ginger.....	842	PROBECK, E. Report on Method of Determination of Glycerol.....	253
LYON, H. The Manufacture and Performance of the Edison Storage Battery.....	910	RAMSAY, C. F. New Method for Determining the Tryptic Value of Pancreatin.....	822
LYON, L. and J. A. BIZZELL. Composition of Drainage Water of a Soil with and without Vegetation.....	922	RANKIN, G. A. and E. S. SHEPHERD. Preliminary Report on Ternary System.....	211
MCCANDLESS, J. M. and F. C. ATKINSON. A Bacteriological Method for Determining Organic Nitrogen.....	742	RATHER, J. B. Improvement in the Method for Estimating Humus in Soils.....	660
MCHARGUE, J. S. A New Absorption Apparatus.....	174	REID, F. R. and M. X. SULLIVAN. Oxidation in Soil.....	25
MCILHINEY, P. C. Fats, Greases and Lubricating Oils, by G. M. Hurst (Book Review).....	112	REMINGTON, J. S., D. A. BOWACK and P. DAVIDSON. Papermakers' Clays.....	550
MCKEE, R. H. and A. M. BUSWELL. A Thermostat for Moderate Temperature.....	955	REMINGTON, J. S., D. A. BOWACK and P. DAVIDSON. The Sizing of Paper with Rosin Compounds.....	466
MCKENNA, C. F. Address, Perkin Medal Award.....	671	RICHARDSON, C. Leonard Parker Kinnicutt (Ed.).....	142
MCKENNA, C. F. Suggestions as to Public Safety (Ed.).....	143	RICHARDS, J. W. Address, Perkin Medal Award.....	149
MACNIDER, G. M. The Determination of Free Sulphur in Condimental Feeds, Stock Tonic and Conditioners.....	284	RICHARDSON, W. D. Coconut Oil of High Iodine Value.....	574
MARRS, L. E. and F. J. METZGER. A New Rapid Volumetric Method of Manganese in Iron and Steel.....	43	RICHARDSON, W. D. The Potash Supply (Ed.).....	880
MARSH, C. E. and H. C. LYTHGOE. The Detection of Benzoic Acid in Coffee Extract.....	333	ROBINSON, T. W. The Technics of Iron and Steel.....	607
MASON, W. P. Contribution of Chemistry to Sanitation.....	842	ROGERS, A. Chemistry and Manufacture in America. Discussion on Duncan's Address.....	183
MATHEWS, J. M. Dyeing Industry to be Established (Ed.).....	292	ROGERS, A. and A. H. SABIN. Consistency of Paints by the Stormer Viscosimeter.....	737
MATTHEWS, J. M. Chemical Engineers in the Textile Industry (Ed.).....	208	ROSENGARTEN, G. D. Determination of the Specific Gravity of Ethyl Ether.....	872
MATTHEWS, J. M. Chemistry of Coal Tar Dyes, by J. W. Fay (Book Review).....	61	ROSS, W. H. An Electric Heater for Ether Extractions.....	929
MATTHEWS, J. M. Bleaching with Sodium Perborate.....	532	ROUSH, G. A. The Microscopic Examination and Identification of Carbon.....	368
MATHIASON, G. K. and J. J. KESSLER. On the Interpolation Method of Oil Analysis.....	191	ROYCE, F. P. The Work of Engineers in the Gas Industries.....	677
MAYWALD, F. J. Meeting of the Rubber Section.....	66	RUDNICK, P. Report of the Committee on Nitrogen in Commercial Ammoniates.....	691
MEADE, G. P. An Apparatus for Sampling of Condenser Water from Evaporators.....	613	RUDNICK, P. The Determination of Nitrogen in Commercial Ammoniates of High Nitrogen Content (Second Report).....	783
METZGER, F. J. and L. E. MARRS. A New Rapid Volumetric Method for Manganese in Iron and Steel.....	507	SABIN, A. H. Linseed Oil.....	84
MILLAR, C. E. and E. BARTOW. Extent and Composition of the Incrustation on Filter Sands.....	333	SABIN, A. H. Materials for Permanent Painting, by M. Toch (Book Review).....	793
MORGAN, H. H. and F. THOMPSON. The Estimation of Lime and Potash in the Ash of Cereals.....	94	SABIN, A. H. and A. ROGERS. Consistency of Paints by the Stormer Viscosimeter.....	737
	398	SABIN, A. H. Pigments in Linseed Oil (Letter to Editor).....	790
		SADTLER, S. P. Report on the Chemical Engineering Education of the American Institute of Chemical Engineers.....	863
		SAUVEUR, A. Metallography and its Industrial Importance.....	420

SCHOLLENBERGER, C. J. and G. E. BOLTZ. An Automatic Pipette....	772	TOWNSEND, A. R. A Survey of Cyanidation in 1911 (Ed.).....	365
SCHREIBER, H. and W. C. TABER. A Method for the Determination of Tin in Canned Foods.....	257	TUCKER, S. A. Electric Tube Furnaces with Calorite Resistors.....	595
SHADINGER, G. B. and C. E. BROWN. Flask for Distillation of Tar...	616	TUFTS, C. G. Commercial Production of Ammonia.....	295
SHEPHERD, E. S. and G. A. RANKIN. Preliminary Report on Ternary System.....	211	TUTTLE, J. B. and C. E. WATERS. The Determination of Total Sulphur in India Rubber.....	734
SHERMAN, H. C. and A. GROSS. The Determination of Salicylic Acid.	492	VON WACHTEL, A. The Development of Sugar Industry.....	835
SHERWOOD, N. P. and C. C. YOUNG. The Effect of Environment on Bacteria Carbonated Beverages.....	495	WADDELL, J. Volumetric Chromate Determination of Lead.....	638
SHIPPEE, A. E. and A. H. GILL. A Comparison of Methods of Determining Unsaponifiable Matter in Wool Oils.....	72	WAGNER, T. B. Disposal of Starch Factory Wastes.....	99
SHIPPEE, A. E. and A. H. GILL. Liability of Gummying on Oxidation in Wool Oils.....	73	WALKER, P. H. and E. W. BOUGHTON. The Fluorescent Test for Mineral and Rosin Oils.....	816
SILVERMAN, A. Depression of the Freezing Point as a Check on their Compositions in Vinegar.....	173	WALKER, W. H. Chemical Research and Industrial Progress.....	286
SINDALL, H. E. The Ash Content of Capsicum.....	753	WALKER, W. H. and W. A. PATRICK. Method for Testing Galvanized Iron to Replace the Preece Test.....	239
SKINNER, H. J. Report of the Committee on Standard Specifications.....	860	WATERS, C. E. The Effect of Added Fatty and other Oils upon the Carbonization of Mineral Lubricating Oils.....	812
SJÖSTROM, O. A. Treatment of Waste Water from Starch and Glucose Factory.....	100	WATERS, C. E. Behavior of High Boiling Mineral Oils on Heating in the Air.....	233
SMITH, H. E. The Chemist in the Service of the Railroad.....	514	WATERS, C. E. and J. B. TUTTLE. The Determination of Total Sulphur in India Rubber.....	734
SPENCER, G. L. Automatic Liquid Sampler.....	344	WEINTRAUB, E. On the Properties and Preparation of the Element of Boron.....	299
SPERRY, E. A. Review of Electrochemical Development.....	511	WEISS, J. M. Commercial Benzol in the United States.....	10
SPRING, L. A. V. W. Method for Nickel-Zinc Separation in German Silver and other Alloys.....	255	WESENER, J. A. and G. L. TELLER. The Aging of Flour and its Effect on Digestion.....	912
SPRING, L. W. and I. M. BREGOWSKY. High Speed Steel, by O. M. Becker (Book Review).....	46	WESTON, R. S. Sewage Disposal, by L. P. Kinnicutt (Book Review).....	193
STEVENSON, R. and C. BASKERVILLE. Contributions to the Chemistry of Anaesthetics. III. Nitrous Oxide.....	579	WHITAKER, F. P. Essentials of Business Law, by Francis M. Burdick (Book Review).....	360
STEVENSON, R. and C. BASKERVILLE. The Chemistry of Anaesthetics. II. Examinations of Commercial Oxygen.....	471	WHITAKER, M. C. The Training of Chemical Engineers.....	36
STEWART, R. Contribution to the Knowledge Regarding Loew's Lime Magnesium Ratio.....	376	WHITAKER, M. C. Chemistry and Manufacture in America, Discussion on Duncan's Address.....	184
STONE, G. C. Practice of Copper Smelting by E. D. Peters (Book Review).....	620	WHITAKER, M. C. Modern Industrial Chemistry, by H. Blücher (Book Review).....	954
STRAUGHN, M. N., A. GIVEN and A. H. BRYAN. Extraction of Grains and Cattle Foods for the Determination of Sugars, a Comparison of the Methods.....	486	WHITNEY, W. R. Applied Electrochemistry, by M. de Kay Thompson (Book Review).....	619
SULLIVAN, M. X. and F. R. REID. Oxidation in Soil.....	25	WHITNEY, W. R. The Endowment Fund (Ed.).....	539
SUTHERST, W. F. A Rapid Volumetric Method of Sugar Estimation.	256	WHITNEY, W. R. The Pure Food Law (Ed.).....	625
TABER, W. C. and H. SCHREIBER. A Method for the Determination of Tin in Canned Foods.....	257	WHITNEY, W. R. Research as a Financial Asset.....	429
TAGGART, W. G. Occurrence of Levan in Sugar.....	646	WHITNEY, W. R. Retrospection (Ed.).....	454
TALBOT, H. P. Mrs. Ellen H. Richards (Obituary).....	352	WHITTIER, A. C. Investigations on the Estimation of Inorganic Phosphorus in Animal Tissues.....	248
TAYLOR, F. O. Report of the Committee on Quantitative Methods...	866	WILEY, C. N. and W. A. ERNST. A Scheme for the Rapid Analysis of Cement.....	551
TELLER, G. L. and J. A. WESENER. The Aging of Flour and its Effect on Digestion.....	912	WILEY, W. B. Sampling and Preparation of Raw Materials for Analysis at South Works, Illinois Steel Co.....	103
THOMAS, C. W. Drying Machinery and Practice, by T. G. Marlow (Book Review).....	619	WINNE, R. and C. DANTSIZEN. Electric Furnace with Heating Element of Ductile Tungsten or Ductile Molybdenum.....	770
THOMPSON, F. and H. H. MORGAN. The Estimation of Lime and Potash in the Ash of Cereals.....	398	WINSLOW, C. E.-A. Factory Sanitation and Efficiency.....	508
THOMPSON, G. W. The Importance of Standard Temperature for Specific Gravity Determinations and for Standardizing Measures of Capacity.....	256	WORDEN, E. C. The Inventor of Celluloid.....	436
THOMPSON, J. E. Graphite (Letter to Editor).....	871	WURSTER, O. H. Apparatus for Receiving and Measuring Oil or Naptha Distilled with Steam.....	773
THOMPSON, J. P. Modification of Determination of Nickel by Ether Method (Note).....	955	WYLD, R. H. Superheated Steam in Industrial Plants.....	339
THOMPSON, A. D. Estimation of Morphine by Extraction with Phenyl-Ethyl Alcohol.....	754	YOUNG, C. C. and N. P. SHERWOOD. The Effect of Environment on Carbonated Beverages on Bacteria.....	495
THORNTON, W. M. A Convenient Crucible Support.....	342	YODER, P. A. Notes on the Determination of Acids in Sugar Cane Juice.....	640
THORNTON, W. M. A Radiator for Platinum Crucibles.....	419	YODER, P. A. A Polariscopic Method for the Determination of Malic Acid and its Application in Cane and Maple Products.....	563
TILLOTSON, E. W. The Density of Some Silicate Mixtures.....	897	ZIMMERMAN, A. Laboratory Studies of Pepsin, Pancreatin and Combinations of These Ferments.....	750
TILLOTSON, E. W. On the Surface Tension of Molten Glasses.....	631	ZIMMERMAN, A. Starch Converting Properties of Pancreatin and Malt Accelerating Action of HCl.....	823
TOCH, M. Fish Oil as a Paint Vehicle.....	627		
TOUZALIN, L. A. and W. BRADY. The Determination of Dust in Blast Furnace Gas.....	662		