

AUTHOR INDEX

INDUSTRIAL AND ENGINEERING CHEMISTRY

VOLUME 16—1924

ABEL, J. J. Chemistry and Function of the Pituitary Gland.....	1031	BEHRMAN, A. S. Internal and External Treatment of Boiler Water. [See French, THIS JOURNAL, 15, 1239 (1923)].	421
ADAMS, L. H. Erskine Douglas Williamson. Obituary.....	183	BELL, J. M. Francis Preston Venable. (American Contemporaries).	755
ADAMS, ROGER. Organic Arsenical Compounds, by Raiziss and Gavron. (Book Review).....	544	BENCOWITZ, ISAAC, AND HOTCHKISS, H. T., JR. A Constant-Level Device for a Thermostatic Bath.....	1193
ADAMS, W. H. Waterproofing Textile Fabrics, by Pearson. (Book Review).....	983	BENSON, H. K., HERRICK, J. S., AND MATSUMOTO, T. Solubility of Portland Cement in Weathering Agents.....	1063
ALBUS, W. R., WHITTIER, E. O., AND SHERMAN, J. M. Rates of Fermentation of Sugars by the Propionic Organism.....	122	BERGER, H. C., AND BROWN, R. L. Effects of Indene on Naphthalene Determinations by Picric Acid.....	917
ALEXANDER, JEROME. Bentonite. Chimie des Colloides et Applications Industrielles, by Meunier. (Book Review).....	432	BERGER, L. B., JONES, G. W., AND YANT, W. P. Explosibility of Hydrogen Sulfide in Air.....	353
Colloid Chemistry, by Svedberg. (Book Review).....	544	YANT, W. P., AND JACOBS, W. A. Carbon Monoxide Poisoning in Private Garages.....	1047
Information on Colloid Chemistry.....	320	BERRY, G. M. Strength and Structure of Steel and Other Metals, by Dalby. (Book Review).....	213
Rennin Coagulation of Milk. (See Palmer, 633).....	974	BIERER, J. M., AND DAVIS, C. C. Improved Rubber Aging Test Involving Oxidation under Pressure.....	711
Samuel Philip Sadtler—Ulysses in Chemistry.....	195	BINGHAM, E. C., HYDEN, W. L., AND HOOD, G. R. Fluidity Anomalies in Refined Mineral Oils.....	534
ALSBERG, C. L. Progress in Chemistry and the Theory of Population.	524	BLAIR, A. W., AND LIPMAN, J. G. Utilization of Nitrogen in Soils and Fertilizers as Affected by Lime.....	373
ALTIERI, V. J., WHITMAN, W. G., AND RUSSELL, R. P. Effect of Hydrogen-Ion Concentration on the Submerged Corrosion of Steel.....	665	BLAIR, J. S., AND BRAHAM, J. M. Preparation of Guanidinium Salts from Calcium Cyanamide.....	848
982	BLAKE, F. C., AND PETERS, W. A., JR. Heat Transfer in Small Pipes. Heat Transfer Symposium.....	845	
AMBLER, J. A. Colour Index. Edited by Rowe. (Book Review).....	982	BLODGE, V. G. Some Early Attempts to Establish the Aniline Industry in United States. Dye Symposium.....	409
LYNCH, D. F. J., AND HALLER, H. L. Naphthalenesulfonic Acids. VI—Sulfonation of Naphthalene in the Vapor Phase.....	1264	BOGIN, C. D. Analysis of Binary Mixtures. Volumetric Turbidity Method.....	380
ANDERSON, R. P., AND ERSKINE, A. M. Composition of Natural Gas Gasoline.....	263	BOLTON, E. K. Synthetic Dyestuffs and Intermediate Products from Which They Are Derived, by Cain and Thorpe. (Book Review).....	652
ANDERSSON, O. F. Internal Treatment of Boiler Waters. [See French, THIS JOURNAL, 15, 1239 (1923)].	206	BOND, J. D., AND OWEN, W. L. Alcohol from Cane Blackstraps. Effect of Varying Additions of Acid.....	387
ANDREWS, T. M., AND BRAY, M. W. Chemical Changes of Groundwood during Decay.....	137	BONGARD, G. R., AND ARDAGH, E. G. R. Assay of Zinc Ores. Use of Powdered Magnesium for Removing Copper and Lead.....	300
APPEL, W. D., AND BRODE, W. R. Spectrophotometric Analysis Applied to Chromotrope 10B.....	797	Simplification of Separation of Zinc from Iron and Aluminium.....	297
ARDAGH, E. G. R., BARBOUR, A. D., MCCLELLAN, G. E., AND MCBRIDE, E. W. Distillation of Acetate of Lime.....	1133	BOONE, P. D. Chemical Constituents of Pecan Oil.....	54
AND BONGARD, G. R. Assay of Zinc Ores. Use of Powdered Magnesium for Removing Copper and Lead.....	300	BORGSTROM, P. Sectional System of Laboratory Desks.....	227
Simplification of Separation of Zinc from Iron and Aluminium.....	297	BOVIE, W. T. Konduktometrische Titrationen, by Kolpoff. (Book Review).....	213
AUSTIN, M. M. Granular Carbon Resistor Furnaces.....	156	BOYD, T. A. Petroleum Cracking Processes and Future Production Problems.....	1004
AYERS, K. B., AND KELLY, W. J. Solubility of Sulfur in Rubber.....	148	Relative Effects of Some Nitrogen Compounds upon Detonation in Engines.....	893
BADGER, C. H., AND SALE, J. W. Contamination of Beverages and Other Food with Zinc.....	164	BRAHAM, J. M. Trend of Developments in Nitrogen Problem.....	1277
BADGER, W. L. Production et condensation de la vapeur, by Sauvage. (Book Review).....	324	AND BLAIR, J. S. Preparation of Guanidinium Salts from Calcium Cyanamide.....	848
AND PRIDGEON, L. A. Studies in Evaporator Design. V—Effect of Surface Conditions. Heat Transfer Symposium.....	474	JACOB, K. D., AND KRASE, H. J. Decomposition of Calcium Cyanamide on Storage.....	684
BADOLLET, M. S., PAINB, H. S., AND KEANE, J. C. Colloids in Cane and Beet Sugar Manufacture.....	1252	BRAUTLECHT, C. A. Manufacture of Pulp and Paper. Vol. IV. (Book Review).....	654
BAEKELAND, L. H. Chats on Science, by Slosson. (Book Review).....	652	BRAY, M. W., AND ANDREWS, T. M. Chemical Changes of Groundwood during Decay.....	137
Our Field.....	332	BRECKENRIDGE, J. E. Determination of Phosphoric Acid in Fertilizers.....	1180
Prospects and Retrospects.....	1077	BREWSTER, J. F. Another Check Valve. [See THIS JOURNAL, 15, 32 (1923)].	647
BAHLKE, W. H., AND WILSON, R. E. Boiling Point Correction Chart for Normal Liquids. With Special Application to Petroleum Products.....	1131	BRIGGS, T. R., BROWN, A. W., AND LOUDER, E. A. Vapor Pressure Curves for Systems Containing Alcohol, Ether, and Water.....	932
Physical Properties of the Paraffin Hydrocarbons.....	115	BRINTON, P. H. M.-P., AND ELLESTAD, R. B. Modified Method for Determination of Uranium in Carnotite.....	1191
BAILEY, G. H. Industrial Health. Edited by Kober and Hayhurst. (Book Review).....	542	BRODE, W. R., AND APPEL, W. D. Spectrophotometric Analysis Applied to Chromotrope 10B.....	797
BAILEY, G. R., AND HALIDAY, E. G. Effect of Calcium Chloride on Acid-Sugar-Pectin Gels.....	595	BROOKS, B. T. Petroleum as a Chemical Raw Material.....	185
BAILEY, R. H. Easy Money. (See editorial, 114).....	425	Sodium Plumbite or Doctor Test of Gasolines.....	588
BAILEY, R. K., FAIRCHILD, J. G., AND WELLS, R. C. Note on Hicks Method of Determining Potassium.....	935	AND PARKER, H. O. Volatile Yellow Coloring Matter in Cracked Gasolines.....	587
BAIN, E. C. Application of X-Ray Crystal Analysis to Metallurgy.....	692	BROPHY, D. H. Aluminium in Alloys.....	963
BALCOM, R. W. Food Analysis, by Woodman. (Book Review).....	1204	BROWN, MORRIS, ROSS, J. F., AND SMITH, G. F. Magnesium Perchlorate Trihydrate. Its Use as Drying Agent for Steel and Organic Combustion Analysis.....	20
BALY, E. C. C. Photosynthesis.....	1016	BROWN, R. J. Determination of Dry Substance in Beet Sugar Juices. Precision Method.....	746
BANCROFT, W. D. Contact Catalysis and Photochemistry.....	270	BROWN, R. L. Constituents of Water-Gas Tar. [See THIS JOURNAL, 15, 1147 (1923)].	97
BANKS, H. W., 3RD. Library Cooperation.....	647	AND BERGER, H. C. Effects of Indene on Naphthalene Determinations by Picric Acid.....	917
BANKSTON, H. J., JR., AND VILBRANDT, F. C. Influence of Several Solvents on the Hanus Iodine Values of Cottonseed and Coconut Oils.....	707	BROWNE, A. W., LOUDER, E. A., AND BRIGGS, T. R. Vapor Pressure Curves for Systems Containing Alcohol, Ether, and Water.....	932
BARBOUR, A. D., ARDAGH, E. G. R., MCCLELLAN, G. E., AND MCBRIDE, E. W. Distillation of Acetate of Lime.....	1133	BROWNE, C. A. Gulian C. Verplanck's Account of Alchemy in Old New York.....	90
BARNARD, D. P., MYERS, H. M., AND FORREST, H. O. Mechanism of Lubrication. III—Effect of Oiliness on Behavior of Journal Bearings. (See Becker, 856).....	347	BRYAN, HARRY, MEHRING, A. L., AND ROSS, W. H. Electric Graphite Resistance Furnace.....	821
BARROWS, W. P., AND JORDAN, LOUIS. Mercury Poisoning from Electric Furnaces.....	898	BURR, C. R., WEBSTER, P. A., AND RHODES, F. H. Effect of Iron Oxide Pigments on Rate of Oxidation of Linseed Oils.....	960
BARTLETT, E. P. Mason Hall of Chemistry at Pomona College.....	638	BURR, G. O., WILLAMAN, J. J., AND DAVISON, F. R. Cornstalk Sirup Investigations.....	734
BASTONE, H. J. Special Slide Rule for Apparent Purity Calculations.....	175	BURTON, J. Q., AND McCANDLESS, J. M. Some Sources of Error in Determination of Phosphoric Acid by the Molybdate-Magnesia Method.....	1267
BEAL, G. D., AND SPARKS, K. E. Preparation of Arsenic-Free Reagents.....	369	BUTLER, LUCINTIA, AND KOHR, R. F. Heat Transfer in the Condensation of Water from Engine Exhaust Gas.....	885
BECKER, A. E. Does the zn/p Function Fit the Facts? (See Barnard, 347).....	856	BYRNE, J. F., AND DAVIS, J. D. Loss of Heating Value of Bituminous Coal on Exposure to Air.....	775
BECKER, H. G. Gas-Tight Stirrer. [See Holm and Greenbank, THIS JOURNAL, 15, 1134 (1923)]. (Correction, 425).....	319		
Mechanism of Absorption of Moderately Soluble Gases in Water. Absorption Symposium.....	1220		
BECKETT, F. M. Perkin Medal Address.....	197		
BEDFORD, C. W., AND WINKELMANN, H. A. Reactions of Accelerators during Vulcanization. VI—Organic Acids and Inorganic Accelerators.....	32		
BEEGLE, F. M. Laboratory Experimental Work on Ester Gum.....	953		
Manufacture of Ester Gum on a Commercial Basis.....	1075		

- CALCOTT, W. S., ENGLISH, F. L., AND DOWNING, F. B.** Analysis of Naphthalenesulfonic Acids and Naphthalene. 27, 1190
- CALDERWOOD, H. N., JR.** Condenser for Distilling Oils of Wide Boiling Range. 576
- CALDWELL, LYLE, AND CALVERT, ROBERT.** Loss of Heat from Furnace Walls. Heat Transfer Symposium. 483
- CALINGAERT, GEORGE, AND HEYMANS, PAUL.** Variation of Stress-Strain Properties of Nitrocellulose-Camphor Mix with Its Composition. 939
- AND **HUGGINS, F. E., JR.** Efficiency of Fractionating Columns. 584
- CALVERT, ROBERT, AND CALDWELL, LYLE.** Loss of Heat from Furnace Walls. Heat Transfer Symposium. 483
- CAMPBELL, T. P., AND FAY, HENRY.** Case-Hardening of Steel by Boron and Nitrogen. 719
- CARLSMITH, L. E., AND HASLAM, R. T.** Cementation of Iron by Silicon. 1110
- CARLSSON, VICTORIA, KOHMAN, E. F., AND EDDY, W. H.** II—Vitamin C Destructive Factor in Apples. 1261
- CAVANAUGH, G. W., DUTCHER, R. A., AND HALL, J. S.** Antiscorbutic Potency of Whole-Milk Powder. 1070
- CHACE, E. M., AND DENNY, F. E.** Use of Ethylene in Coloring of Citrus Fruit. 339
- CHAMBERS, R. F., AND SCHERER, P. C.** Benzylpseudothiourea Salts of Naphthalenesulfonic Acids. 1272
- CLARK, E. D.** Marine Products of Commerce, by Tressler, *et al.* (Book Review). 211
- SHOSTROM, O. E., AND CLOUGH, R. W.** Chemical Study of Canned Salmon. I—Variations in Composition of Pacific Coast Salmons and Steelhead Trout as Influenced by Species and Locality where Caught. 283
- CLARK, N. A.** Soil Organic Matter and Growth-Promoting Accessory Substances. 249
- CLARKE, H. T.** Thermal Properties of Ethyl Chloride, by Jenkin and Shorthose. (Book Review). 433
- CLEVENGER, J. F.** New Micromelting Point Apparatus. 854
- CLOUGH, R. W., SHOSTROM, O. E., AND CLARK, E. D.** Chemical Study of Canned Salmon. I—Variations in Composition of Pacific Coast Salmons and Steelhead Trout as Influenced by Species and Locality where Caught. 283
- COLLIER, S.** Standard Methods for Analysis of Rubber Goods. Recommended by Committee on Methods of Analysis of Division of Rubber Chemistry of the A. C. S. 397
- COLLINS, W. D.** Report, Committee on Guaranteed Reagents and Standard Apparatus. Washington Meeting. 532
- AND **FOSTER, M. D.** Determination of Manganese in Water by Sodium Bismuthate Method. 586
- COLTMAN, R. W.** Determination of Manganese. II—Manganous Oxalate as a Primary Standard. 606
- AND **CUNNINGHAM, T. R.** Determination of Manganese. I—Study of Bismuthate Method. 58
- CONCANNON, C. C.** Chemical Division of Bureau of Foreign and Domestic Commerce. 603
- CONNER, S. D.** Some Factors Affecting Growth of Crops on Acid Soils. 173
- COOK, S. J.** Canadian Letter. 208, 536, 868, 1090,
- COOPER, H. M., AND DAVIS, J. D.** Repair of Leaky Calorimetric Resistance Thermometers. 1284
- COREY, A. B., AND GRAY, H. LEB.** Notes on Preparation of Standard Cellulose—I, 853; II. 579
- COUCH, J. F.** Chemical Encyclopaedia. A Digest of Chemistry and Chemical Industry, by Kingzett. (Book Review). 1130
- Chemical Synonyms and Trade Names, by Gardner. (Book Review). 1289
- COYLE, G. L.** Chemistry in Industry. Edited by Howe. (Book Review). 763
- CRABTREE, J. I., HARTT, H. A., AND MATTHEWS, G. E.** Effect of Electrolysis on Rate of Corrosion of Metals in Photographic Solutions. 1204
- AND **MATTHEWS, G. E.** Corrosion of Monel Metal in Photographic Solutions. 13
- CRANE, E. J.** Chemical Research Activity in Various Countries of the World. 671
- CROSBY, P. A., KNOCH, H. H., AND MATTHEWS, R. R.** Determination of Dilution of Crank-Case Oil. 754
- CROSS, R. J., AND SWAIN, R. E.** Amino Acid Distribution in Proteins of Wheat Flours. With a Note on Improved Method for Preparation of Aldehyde-Free Alcohol. 1153
- CROSSLEY, M. L., AND RESEVELT, P. V.** Color and Constitution. I—Preliminary Paper. Effect of Isomerism on Color of Certain Azo Dyes. 319
- CUNNINGHAM, T. R., AND COLTMAN, R. W.** Determination of Manganese. I—Study of Bismuthate Method. 271
- CURTIS, H. A.** Coal Carbonization, by Porter. (Book Review). 1205
- DAHLBERG, H. W.** Performance Standards for Beet Sugar Factories. 92
- DANIELS, SAMUEL.** Cast Alloys of Aluminium Containing Small Amounts of Magnesium. 1243
- DANNERTH, FREDERIC.** Professional Protection. (See Little, 423; Oliver, 756). 319
- DAUB, GUIDO, AND WILSON, J. A.** Effect of Long Contact of Calfskin with Saturated Limewater. 602
- DAVIDSON, D.** Survival of the Unfit. [See editorial "Parallels," THIS JOURNAL, 15, 1214 (1923)]. 756
- DAVIS, A. B.** Artists' Pigments, by Weber. (Book Review). 433
- DAVIS, C. C., AND BIERER, J. M.** Improved Rubber Aging Test Involving Oxidation under Pressure. 711
- DAVIS, C. E., SALISBURY, H. M., AND HARVEY, M. T.** Surface Tension of Gelatin Solutions. 161
- DAVIS, D. S., AND WHITMAN, W. G.** Comparative Absorption Rates for Various Gases. Absorption Symposium. 1233
- DAVIS, J. D.** Calorimetric Apparatus for Measurement of Reaction Heats at High Temperatures. Particularly for the Heat of Carbonization of Coal. 726
- AND **BYRNE, J. F.** Loss of Heating Value of Bituminous Coal on Exposure to Air. 775
- AND **COOPER, H. M.** Repair of Leaky Calorimetric Resistance Thermometers. 579
- AND **PLACE, P. B.** Thermal Reactions of Coal during Carbonization. 589
- DAVIS, WATSON.** Technical Writing, by Rickard. Editing the Day's News, by Bastian. (Book Reviews). 764
- DAVISON, F. R., AND WILLAMAN, J. J.** Starch in Sorghum Sirup. 609
- WILLAMAN, J. J., AND BURR, G. O.** Cornstalk Sirup Investigations. 734
- DAWSON, L. E.** Automatic Pressure Regulator. 160
- DEAN, D. K.** Film Concept of Heat Transmission Applied to Commercial Water Heater. Heat Transfer Symposium. 479
- DEAN, E. W., AND LANE, F. W.** II—Viscosity-Temperature Curves of Fractions of Typical American Crude Oils. 905
- DEBEUKELAER, F. L.** Standard Methods for Determining Viscosity and Jelly Strength of Glue. (Correction, 535). 310
- DEGENER, H.** Price of German Publications. 424
- DE GRAAF, G. A.** All-Glass Apparatus for Automatic Evaporation of Water Samples. 303
- DELONG, C. R.** Chemical Division of the U. S. Tariff Commission. Import and Export Trade in Chemicals. 610
- DEMING, H. G.** College Chemistry Companion, by Kendall. (Book Review). 83
- Graphical Vapor Pressure and Specific Gravity Tables. 983
- DENNY, F. E., AND CHACE, E. M.** Use of Ethylene in Coloring of Citrus Fruit. 614
- DE ONG, E. R.** Toxicity of Nicotine as an Insecticide and Parasiticide. 339
- DICKERSON, J. K.** Some Chemical Problems of the Insecticide Industry. 1275
- DIGGS, S. H., AND WENDT, G. L.** The Chemistry of "Sweetening" in the Petroleum Industry. 1013
- DOLID, J.** Simple Device for Sodium Flame. (See Klopsteg, 320). 1113
- DORAN, J. M.** Some Recent Developments in Industrial Alcohol. 53
- DORE, W. H.** Recent Progress in Chemistry of Pectin and Its Industrial Applications. 641
- DOWNING, F. B., CALCOTT, W. S., AND ENGLISH, F. L.** Analysis of Naphthalenesulfonic Acids and Naphthalene. 1042
- DOYLE, A. M., AND MUNROE, C. E.** Washington's Relation to Dye Industry Prior to 1914. Dye Symposium. 1190
- DUNBAR, B. A., AND WELLS, C. F.** Fermentation of Natural Fruit Juices. 417
- DUSHMAN, SAUL.** Valence and the Structure of Atoms and Molecules, by Lewis. (Book Review). 739
- DUTCHER, R. A., CAVANAUGH, G. W., AND HALL, J. S.** Antiscorbutic Potency of Whole-Milk Powder. 104
- AND **LAUDIG, J. F.** Inexpensive Laboratory Mill. Designed for Grinding of Dried Fruits and Similar Materials in Presence of a Liquid. 1070
- DYRENFORTH, L. Y.** Note on Creosote Oil Analysis. 126
- 698
- EAGLE-PICHER LEAD COMPANY.** Zinc Ore Chart. 710
- EBERLIN, L. W., AND SHEPPARD, S. E.** Slow Gelation in Pressure-Still Tar. 832
- ECKERT, T. S., AND FRANCE, W. G.** Platinized Aluminum Cathodes in Electroanalysis. 802
- EDDY, W. H., AND KOHMAN, E. F.** Vitamin C in Canned Foods (I). KOHMAN, E. F., AND CARLSSON, VICTORIA. II—Vitamin C Destructive Factor in Apples. 52
- EDEN, B. A., MARSH, C. E., AND LYTGOE, H. C.** Double Strength Tincture of Ginger: Its Composition and Analysis. 1261
- EDGAR, GRAHAM.** Comprehensive Treatise on Inorganic and Theoretical Chemistry. Vol. IV—Ra and Ac Families, Be, Mg, Zn, Cd, Hg, by Mellor. (Book Review). 816
- AND **THURMOND, G. I.** Equilibrium between Lactic Acid and Its Anhydrides. 214
- EHLER, OTTO, AND MANGE, C. E.** Solubilities of Vanillin. 823
- ELLERY, EDWARD.** Joseph Frank McGregory, An Appreciation. (American Contemporaries). 1258
- ELLESTAD, R. B., AND BRINTON, P. H. M.-P.** Modified Method for Determination of Uranium in Carnotite. 530
- ELLIS, F. R., AND WHITE, J. D.** Characteristics of Air-Blast Heaters. Heat Transfer Symposium. 1191
- EMERSON, R. L.** Reports of the Progress of Applied Chemistry. Vol. VIII, 1923. (Book Review). 471
- ENDRES, H. A.** Factors Determining the Reinforcing Value of Fillers in Compounded Rubber. 764
- ENGLISH, F. L., DOWNING, F. B., AND CALCOTT, W. S.** Analysis of Naphthalenesulfonic Acids and Naphthalene. 1148
- EPPEL, W. F., AND SPITZER, GEORGE.** Determination of Adulterants in Butter Fat. 1190
- ERNST, L. A.** Design and Working of Ammonia Stills, by Parrish. (Book Review). 828
- ERSKINE, A. M., AND ANDERSON, R. P.** Composition of Natural Gas Gasoline. 1291
- ESSELEN, G. J., JR.** A Successful Experiment. 263
- 207
- FAIRCHILD, B. T.** The Pancreas Gland. Research and Applied Chemistry of Its Digestive Enzymes and Its Internal Secretion Principle. 41
- FAIRCHILD, J. G., WELLS, R. C., AND BAILEY, R. K.** Note on Hicks Method of Determining Potassium. 935
- FARAGHER, W. F., WOOD, A. E., AND LOWY, ALEXANDER.** Action of Petroleum-Refining Agents on Pure Organic Sulfur Compounds Dissolved in Naphtha. 1116
- FAY, HENRY, AND CAMPBELL, T. P.** Case-Hardening of Steel by Boron and Nitrogen. 719
- FETZER, L. W.** Report, Committee on Occupational Diseases and Hazards in Chemical Trades. Washington Meeting. 644
- FIELDNER, A. C.** Coke and Its Use in Relation to Smoke Prevention and Fuel Economy, by Nicol. (Book Review). 212
- FINK, C. G.** Catalytic Electrolytic Generation of Oxygen. 566
- FINK, G. J.** Der Kalkbedarf von Mensch und Tier, zur Chemischen Physiologie des Kalks, by Loew. (Book Review). 1292
- Lime and Magnesia, by Knibbs. (Book Review). 982
- FISHER, H. C.** Jellying of Asphalt Paints. Relation of Acidity to Jellying. 509
- FISHER, H. L.** Chemistry of the Rubber Hydrocarbon. 627
- FITCH, GRANT, HALL, R. E., AND JACKSON, H. A.** Relative Solubilities of Quartz, Lead Smelter Slag, Chrome Ore, and Silicate Filter Grits in Hot Alkaline Waters. 701
- FITZGERALD, F. A. J.** Edward Goodrich Acheson. (American Contemporaries). 971
- FLANDERS, F. F.** Analysis of Soap Powder. [See THIS JOURNAL, 15, 1232 (1923)]. 205
- AND **TRUITT, A. D.** Rapid Method for Analysis of Soap Powder. [See THIS JOURNAL, 15, 1232 (1923)] Correction. 97

FLICK, L. C., HAWLEY, L. F., AND RICHARDS, C. A. Relation between Durability and Chemical Composition in Wood.....	699	HALL, W. T. Monograph on Corrosion Tests and Materials of Construction for Chemical Engineering Apparatus, by Calcott, <i>et al.</i> (Book Review).....	545
AND RITTER, G. J. Determination of Cellulose in Wood.....	147	HALLER, H. L., AMBLER, J. A., AND LYNCH, D. F. J. Naphthalene-sulfonic Acids. VI—Sulfonation of Naphthalene in the Vapor Phase.....	1264
FORD, C. L. Apparatus for Providing a Continuous Stream of Hot Distilled Water.....	40	AND LYNCH, D. F. J. Naphthalenesulfonic Acids. V—Quantitative Estimation of 2,6- and 2,7-Naphthalenedisulfonic Acids.....	273
FORREST, C. N. Clifford Richardson. (American Contemporaries).....	1281	HALLIDAY, E. G., AND BAILEY, G. R. Effect of Calcium Chloride on Acid-Sugar-Pectin Gels.....	595
FORREST, H. O., BARNARD, D. P., AND MYERS, H. M. Mechanism of Lubrication. III—Effect of Oiliness on Behavior of Journal Bearings.....	347	HAMER, F. E. A Great Chemical Organizer.....	859
FORTSCH, A. R., AND WILSON, R. E. Viscosity of Oils at High Temperatures.....	789	HAMMOND, L. D. Fluorine Determination in Nickel-Depositing Solutions.....	938
FOSTER, M. D., AND COLLINS, W. D. Determination of Manganese in Water by Sodium Bismuthate Method.....	586	HAMOR, W. A. Das Erdöl, by Kissling. (Book Review).....	325
FOULK, C. W. Foaming of Methyl Water.....	1121	The A B C of Atoms, by Russell. (Book Review).....	103
FOX, E. J., AND WHITTAKER, C. W. Potash from Cement Dust. Concentration by Elutriation.....	1044	HANDY, J. O. Patent Litigation—Its Causes and Its Results.....	89
FRANCE, W. G., AND ECKERT, T. S. Platinized Alundum Cathodes in Electroanalysis.....	802	HARDIN, G. H. Influence of Water-Insoluble Matter upon Polarization of Raw Cane Sugars.....	55
FRANCOIS, RICHARD. Fixation of Nitrogen as Cyanide.....	235	AND ZERBAN, F. W. Adsorption Effects of Filtering Materials on Sugar Solutions.....	1175
FRANCIS, G. V., AND IRVINE, J. C. Examination of Photosynthetic Sugars by the Methylation Method.....	1019	HARPER, H. J. Accurate Determination of Nitrates in Soils. Phenoldisulfonic Acid Method.....	180
FRANKFORTER, C. J., AND JENSEN, F. W. Chemical Exchange Reactions of a Zeolite.....	621	HARRISON, A. P., AND SCALES, F. M. Determination of Nitrate Nitrogen. Colorimetric Method.....	571
FRIE, E. E. Bohr's Model of the Atom. Review of Some Salient Features of Present Atomic Theories.....	192	HART, EDWARD. Constituents of Water-Gas Tar. [See Brown and Howard, <i>This Journal</i> , 15, 1147 (1923)].....	97
FRENCH, D. K. Internal and External Treatment of Boiler Water. [See <i>This Journal</i> , 15, 1239 (1923)].....	206	When Silence is Golden. (See Noyes, Howe, 757).....	973
FROLICH, P. K. Das Leitvermögen der Lösungen, by Walden. Vol. IV of Handbuch der allgemeinen Chemie, by Ostwald and Drucker. (Book Review).....	421	HARTLEY, J. J. How Coal-Handling Costs Were Cut \$5000 a Year.....	1156
FULLER, G. P. Electrochemistry Related to Engineering, by Cooper. (Book Review).....	1094	HARTMANN, E. E. Petree Process for Clarification of Cane Juices.....	1178
FULLER, H. C. Ethylene Glycol—Its Properties and Uses.....	212	HARTY, H. A., MATTHEWS, G. E., AND CRABTREE, J. I. Effect of Electrolysis on Rate of Corrosion of Metals in Photographic Solutions.....	13
FULMER, F. I., SHERWOOD, F. F., AND NELSON, V. E. Effect of Ammonium Chloride upon Growth of Yeast and Hydration of Gluten in Beer Wort.....	624	HARVEY, A. S. Internal Treatment of Boiler Waters. [See French, <i>This Journal</i> , 15, 1239 (1923)].....	206
FUNK, N. E. Turbine Lubrication.....	921	HARVEY, A. W., AND STEGEMAN, GEBHARD. Sulfonation of Benzene.....	842
	1080	HARVEY, M. T., DAVIS, C. E., AND SALISBURY, H. M. Surface Tension of Gelatin Solutions.....	161
		HASLAM, R. T. Producer Gas. Apparent Equilibrium between Its Constituents and Influence of Depth of Fuel Bed.....	782
GAINES, W. L. A Roughage Sampler.....	386	AND CARLSMITH, L. E. Cementation of Iron by Silicon.....	1110
GALLUN, A. F., JR., AND WILSON, J. A. Chemistry and Comfort. Relation between Chemical Composition of Leather and Comfort of Shoes Made Therefrom.....	268	HERSHEY, R. L., AND KEAN, R. H. Effect of Gas Velocity and Temperature on Rate of Absorption. Absorption Symposium.....	1224
Strength and Stretch of Calf and Kid Leathers as Functions of Oil Content.....	1147	AND RYAN, W. P. Countercurrent Digestion of Wood.....	144
GAT, J. D. Silicon in Aluminium-Silicon Alloys.....	959	AND THIELE, E. W. Recent Progress in Field of Fuels and Fuel Technology.....	749
GENIESSE, J. C., AND LESLIE, E. H. Specific Heats of Lubricating Oils.....	582	HATFIELD, W. D. Soluble Aluminium and the Hematoxylin Test in Filtered Waters.....	233
GERHARDT, F., AND TOTTINGHAM, W. E. Quantitative Methods for Analysis of Hemicellulose in Apple Wood.....	139	HAWLEY, L. F., FLECK, L. C., AND RICHARDS, C. A. Relation between Durability and Chemical Composition in Wood.....	699
GIPFORD, W. L. R. Edward Mallinckrodt. (American Contemporaries).....	1194	HELMAN, R. H. Heat Transmission from Bare and Insulated Pipes. Heat Transfer Symposium.....	451
GILES, W. E., AND VILBRANDT, F. C. Low-Temperature Distillation of Farmville, N. C., Coal.....	779	HENDEL, J. M. Copper as Reducing Agent in Iron Determinations.....	951
GILL, A. H. Action of Catalysts with Nondrying Oils.....	23	HENDRICK, ELLWOOD. Abram Adam Brencman. (American Contemporaries).....	864
Bleaching Powder Explosions.....	577	Development of the Sciences. (Book Review).....	653
AND NISHIDA, D. Notes on Oil from Kauri Copal. [See <i>This Journal</i> , 15, 1276 (1923)] Correction.....	207	Record of Coal-Tar Color Industry at Albany. Dye Symposium.....	411
GILBERT, H. W. Science of Metals, by Jeffries and Archer. (Book Review).....	1202	HENDRICKS, S. B., AND SMITH, C. M. Determination of Free Calcium Hydroxide in Commercial Calcium Arsenate.....	950
Structural Metallography, by Pilsifer. (Book Review).....	1203	HENWOOD, ABRAHAM, AND MAAS, PHILIP. Harry Frederick Keller—Chemist, Mineralogist, Educator (1861–1924). Obituary.....	529
GLANCY, W. E. Influence of Certain Compounding Ingredients in Hard Rubber.....	359	HERRICK, J. S., BENSON, H. K., AND MATSUMOTO, T. Solubility of Portland Cement in Weathering Agents.....	1063
GLAZE, F. W. A Remedy. (See Davidson, 423).....	756	HERSCHEL, W. H. Consistency of Rubber-Benzene Solutions.....	927
GOLDSTEIN, J. C., AND OLSEN, FRED. Preparation of Picric Acid from Phenol.....	66	HERSHEY, R. L., HASLAM, R. T., AND KEAN, R. H. Effect of Gas Velocity and Temperature on Rate of Absorption. Absorption Symposium.....	1224
GOLLOP, G. E., AND PRITCHARD, D. A. Canadian Salt Company's Processes for Manufacture of Alkali-Chlorine Products.....	1056	HERTY, C. H. American Progress in Dye Manufacture. Royally Entertained by French. Third Congress of Industrial Chemistry, Paris, October 21 to 26, 1923.....	96
GORDON, N. E., AND MARKER, R. E. Effect of Hydrogen-Ion Concentration on Compound Formation and Adsorption of Dyes by Mordants.....	1186	HESS, F. L. U. S. Geological Survey and Chemical Industry.....	861
GORDON, N. T., AND SPRING, A. F. Continuous Process for Manufacture of Sodium Tungstate and Tungstic Acid from Wolframite.....	555	HESS, H. W. Modern Gas Producers, by Rambush. (Book Review).....	102
GORTNER, R. A. Amino Acid Distribution in Proteins of Wheat Flours. (See Cross and Swain, 49).....	319	HEYMANS, PAUL, AND CALINGAERT, GEORGE. Variation of Stress-Strain Properties of Nitrocellulose-Camphor Mix with Its Composition.....	939
Colloid Chemistry, by Alexander. (Book Review).....	1290	HIBBARD, P. L. Turbidimetric Estimation of Precipitates.....	804
AND PERVIER, N. C. Estimation of Pentoses and Pentosans—II. [See <i>This Journal</i> , 15, 1255 (1923)] Correction.....	97	HICKSON, E. F., AND WALKER, P. H. Paints Resistant to Sulfide Fumes.....	1142
GRAVENHORST, C. O. Observations on the Baudouin Test.....	47	HINE, T. B. Continuous Conductivity Method of Measuring Small Concentration of Chlorine in Air.....	952
GRAY, H. LEB., AND COREY, A. B. Notes on Preparation of Standard Cellulose—I, 853; II.....	1130	HOCHWALT, C. A., AND MIDDLEY, THOMAS, JR. Ferrous Selenide as a Contact Catalyst for Cracking.....	365
GRAY, T. T., AND MANDELBAUM, M. R. Catalytic Treatment of Cracked Distillates in the Vapor Phase.....	913	HOLLEY, C. D. Chemistry of Paints, Pigments, and Varnishes, by Bearn. (Book Review).....	211
GREEN, HENRY. Microchemistry of White Pigments and Inerts as They Occur Mixed in Paints.....	677	HOLLISTER, C. E., AND SMITH, G. F. New Design Circuit Breaker for Laboratory Thermostats.....	1162
GREENBANK, G. R., AND HOLM, G. E. Gas-Tight Stirrer. [See <i>This Journal</i> , 15, 1134 (1923)].....	319	HOLM, G. E., AND GREENBANK, G. R. Gas-Tight Stirrer. [See <i>This Journal</i> , 15, 1134 (1923)].....	319
Quantitative Aspects of the Kreis Test—II.....	518	Quantitative Aspects of the Kreis Test—II.....	518
Some Factors Concerned in the Autoxidation of Fats. With Especial Reference to Butter Fat.....	598	Some Factors Concerned in the Autoxidation of Fats. With Especial Reference to Butter Fat.....	598
GREIDER, H. W. Influence of Glue on Reinforcing Effect of Light Magnesium Carbonate in Rubber.....	151	HOLMES, AUGUST. Testing of Petroleum Oils for Gasification. (Correction, 425).....	258
GRIFFIS, W. E. Pioneering in Chemistry in Japan.....	1195	HOLMES, A. D. Vitamin Potency of Cod-Liver Oil: VI—Effect of Storage of Livers on Vitamin A Potency of Cod-Liver Oil.....	295
GRIFFITHS, HUGH. London Letter..... 427, 538, 648, 759, 871, 977.....	1091	VII—Vitamin A Potency of Hake-Liver Oil.....	379
GRIMM, F. V., AND WENDT, G. L. Suggested Mechanism for Anti-knock Action.....	890	IX—Oil Produced by the Rotting Process.....	964
GROTLISCH, V. E. Resines et Terpentines, les Industries Derives, by Vezes and Dupont. (Book Review).....	1094	X—Medicinal Cod-Liver Oils.....	1181
GUERNSEY, E. W., AND YEE, J. Y. Preparation and Chemical Nature of Calcined Phosphate.....	228	HOLMES, H. N. Colloid Symposium Monograph. Edited by Mathews. (Book Review).....	324
GUSTAVSON, R. G., AND PIERCE, J. A. True Dry Substance Content of Beet Molasses.....	167	Fifth Report on Colloid Chemistry and Its General and Industrial Applications. (Book Review).....	432
		HOLMES, W. C. Influence of Variation in Concentration on Absorption Spectra of Dye Solutions.....	35
HAAS, JOSEPH, JR. Modern Electro-Plating, by Hughes. (Book Review).....	431	HOOD, G. R., HYDEN, W. L., AND BINGHAM, E. C. Fluidity Anomalies in Refined Mineral Oils.....	25
HALE, W. J. Experimental Organic Chemistry, by Norris. (Book Review).....	873	HOOD, O. P. Lignite, a Future Fuel?.....	1020
HALL, J. S., CAVANAUGH, G. W., AND DUTCHER, R. A. Antiscorbutic Potency of Whole-Milk Powder.....	1070	Supervision and Maintenance of Steam-Raising Plant, by Suckan. (Book Review).....	431
HALL, R. E., JACKSON, H. A., AND FITCH, GRANT. Relative Solubilities of Quartz, Lead Smelter Slag, Chrome Ore, and Silicate Filter Cries in Hot Alkaline Waters.....	701	HORNE, W. D. Super-Defecation of Cane Juice.....	732
		U. S. Patents on Bone Black and Decolorizing Carbons.....	670
		AND RICE, E. W. A Simple Turbidityscope.....	626

HORTON, P. M., AND SENSGON, P. T. Comparative Ash Adsorption of Vegetable and Bone Chars.....	165	KIEHL, S. J. Theoretical Metallurgy, by Dean. (Book Review).....	652
HOTCHKISS, H. T., JR., AND BENCOWITZ, ISAAC. Constant-Level Device for Thermostatic Bath.....	1193	KILLEFFER, D. H. Some High Lights of the Past Year.....	995
HOWARD, B. J. Analytical Microscopy, by Wallis. (Book Review).....	873	Synthesis of Phenol. Sulfonation in Vapor Phase.....	1066
HOWARD, HENRY. Report, Committee on Patent and Related Legislation. Washington Meeting.....	531	Tools of the Chemical Engineer. II—Weighing Devices, 568; III—Fluid Measuring Devices.....	785
HOWE, H. E. Political Platform for International Union of Pure and Applied Chemistry. (See Hart, 973).....	757	KING, C. G. Triumphs and Wonders of Modern Chemistry, by Martin. (Book Review).....	763
HOYT, L. F. Nicotine Soaps.....	1171	KLOPSTEG, P. E. Device for Sodium Flame. (See Dolid, 53).....	320
HUGGINS, F. E., JR., AND CALINGAERT, GEORGE. Efficiency of Fractionating Columns.....	584	KNOCH, H. H., CROSBY, P. A., AND MATTHEWS, R. R. Determination of Dilution of Crank-Case Oil.....	1153
HYDEN, W. L., HOOD, G. R., AND BINGHAM, E. C. Fluidity Anomalies in Refined Mineral Oils.....	534	KNOWLES, H. B., AND LUNDELL, G. E. F. Use of Cool Solutions in the Jones Reductor.....	723
IRVINE, J. C., AND FRANCIS, G. V. Examination of Photosynthetic Sugars by Methylation Method.....	1019	KNUTH, C. A., RICHARDSON, A. S., AND MILLIGAN, C. H. Heterogeneous Catalysis. I—Selective Action of Catalytic Nickel in Hydrogenation of Certain Vegetable Oils.....	519
ITTNER, M. H. Modern Soap and Detergent Industry, Including Glycerol Manufacture, by Martin. Vol. I—Theory and Practice in Soap Making. (Book Review).....	1093	KOBBE, W. H. New Uses for Sulfur in Industry.....	1026
Report, Committee on Industrial Alcohol. Washington Meeting.....	532	KODAMA, RENICHI. Nature of Oil of Soy Bean Miso.....	523
JACKSON, H. A., HALL, R. E., AND FITCH, GRANT. Relative Solubilities of Quartz, Lead Smelter Slag, Chrome Ore, and Silicate Filter Grits in Hot Alkaline Waters.....	701	KOENIG, J. W., AND KERN, E. J. Acidity of Vegetable Tan Liquors	261
JACKSON, R. F., SILSBEE, C. G., AND PROFFITT, M. J. Method for Manufacture of Levulose.....	1250	KOHMAN, E. F., AND EDDY, W. H. Vitamin C in Canned Foods (I). EDDY, W. H., AND CARLSSON, VICTORIA. II—Vitamin C Destructive Factor in Apples.....	52
JACKSON, V. T. Apparatus for Drying Gases.....	163	AND SANBORN, N. H. Nature of Corrosion in Canned Fruits. (Correction, 425).....	1261
JACOB, K. D., KRASE, H. J., AND BRAHAM, J. M. Decomposition of Calcium Cyanamide on Storage.....	684	KOHR, R. F., AND BUTLER, LUCINTHA. Heat Transfer in Condensation of Water from Engine Exhaust Gas.....	885
JACOBS, W. A., YANT, W. P., AND BERGER, L. B. Carbon Monoxide Poisoning in Private Garages.....	1047	KRALI, STANLEY. Influence of Accelerators on Plasticity of Uncured Rubber Stocks.....	922
JAMES, C. Analytical Methods for Certain Metals, Including Cerium, Thorium, Molybdenum, Tungsten, Radium, Uranium, Vanadium, Titanium, and Zirconium, by Moore, et al. (Book Review).....	431	KRASE, H. J., JACOB, K. D., AND BRAHAM, J. M. Decomposition of Calcium Cyanamide on Storage.....	684
JAMESON, H. J. Determination of Phosphorus in Phosphor Bronze. (See Lindemann, 916).....	1282	LAFORGE, F. B. Simultaneous Production of Pentosan Adhesives and Furfural from Corncobs and Oat Hulls.....	130
JAMESON, C. S. Allen's Commercial Organic Analysis. Vol. II—Fixed Oils, Fats, and Waxes. Edited by Sadtler, et al. (Book Review).....	1289	AND MAINS, G. H. Furfural from Corncobs. IV—Economic Aspect of Furfural Production.....	356
JEFFERSON, R. E. Constant Water-Level Device.....	1230	LA MER, V. K. Solubility, by Hildebrand. (Book Review).....	543
JENKS, C. L. Employee Loyalty and the Inventive Spirit.....	86	LANE, F. W., AND DEAN, E. W. II—Viscosity-Temperature Curves of Fractions of Typical American Crude Oils.....	905
JENSEN, F. W., AND FRANKPORTER, C. J. Chemical Exchange Reactions of a Zeolite.....	621	LANGLEY, W. D. Another Check Valve. [See Brewster, This Journal, 15, 32 (1923)].....	647
JOACHIM, BENJAMIN. Analysis of Soap Powder. (See Flanders, This Journal, 15, 1232 (1923)).....	205	LARSON, A. T. Increasing Ammonia Production with Improved Catalysts.....	1002
Determination of Anhydrous Soap in a Lubricating Grease.....	725	LAUDIG, J. F., AND DUTCHER, R. A. Inexpensive Laboratory Mill. Designed for Grinding of Dried Fruits and Similar Materials in Presence of a Liquid.....	126
JOHANSEN, E. M. Interfacial Tension between Petroleum Products and Water.....	132	LEDIG, P. G. Absorption of Carbon Dioxide and Ammonia from Gas Bubbles. Absorption Symposium.....	1231
JOHNSON, E. B., AND RHODES, F. H. Electrolytic Corrosion in a Water-Gas Holder.....	575	Elements of Glass-Blowing, by Waran. (Book Review).....	655
JOHNSON, G. H. Bleich-, Reinigungs-, Wasch-, Detachiermittel, Bleichverfahren und Bleichapparate der Neuzeit für Gespinstfasern und Gewebe, by Bottler. (Book Review).....	1292	LEE, A. P. Coconut Oil Refining. Factory-Scale Investigation of Refining of Coconut Oil and Manufacture of Coconut Butter (Coconut Oil Stearine).....	341
JOHNSON, H. W. Apparatus for Making Momentary Electrical Contacts at Regular Intervals.....	56	LEE, H. R., AND JONES, D. O. Analysis of Dehydrothio- <i>p</i> -toluidine Sulfonic Acid.....	930
JOHNSON, T. B. Regeneration from a Physico-Chemical Viewpoint, by Loeb. (Book Review).....	1203	Titration of Aniline and Homologs.....	948
JONES, D. O., AND LEE, H. R. Analysis of Dehydrothio- <i>p</i> -toluidine Sulfonic Acid.....	930	LECH, P. N. Practical Chemical Analysis of Blood, by Myers. (Book Review).....	1093
Titration of Aniline and Homologs.....	948	LEIGHTON, ALAN. Convenient Battery Power-Line Circuit for the Potentiometer.....	1189
JONES, GRINNELL. Auskunftsbuch für die Chemische Industrie. Vols. I and II. Edited by Blücher. (Book Review).....	104	LENHER, VICTOR. The Moon Element, by D'Albe. (Book Review).....	1290
The Commerce Yearbook, 1922 (including early part of 1923). (Book Review).....	434	KEMMERER, GEORGE, AND WHITFORD, EARL. Extraction of Cesium from Pollucite.....	1280
JONES, G. W., YANT, W. P., AND BERGER, L. B. Explosibility of Hydrogen Sulfide in Air.....	353	AND SMITH, D. P. Distillation Method of Separating Selenium from Tellurium.....	837
JONES, R. M., ROSS, W. H., AND MEHRING, A. L. Preparation of Phosphoric Acid. Replacement of Sand by Potash Silicates in the Volatilization Process.....	563	LESLIE, E. H., AND GENIESSE, J. C. Specific Heats of Lubricating Oils.....	582
JORDAN, LOUIS. Technical Methods in Analysis of Metallurgical and Allied Products, by Scott. (Book Review).....	103	LEWIS, H. F. Quantitative Estimation of Anthracene in Anthraquinone.....	1184
AND BARROWS, W. P. Mercury Poisoning from Electric Furnaces	898	WITH MASON, O'NEAL, AND MORGAN, RUSSELL. Methylations. Hydrolysis of Dimethyl Sulfate.....	811
JORDAN, STROUD. Chemistry and Confectionery.....	336	AND SHAEFFER, SHERMAN. Decomposition of Anthraquinone by Heat.....	717
Commercial Invert Sugar.....	307	LEWIS, W. K., WARD, J. T., AND VOSS, E. Optimum Operating Conditions for Pipe Heating and Cooling Equipment. Heat Transfer Symposium.....	467
KAHLENBERG, LOUIS. Stephen Moulton Babcock. (American Contemporaries).....	1087	AND WHITMAN, W. G. Principles of Gas Absorption. Absorption Symposium.....	1215
KAPLAN, B. B. Furnace for Determination of Fusing Point of Coal Ash.....	847	LIND, S. C. Chemistry of the Rarer Elements, by Hopkins. (Book Review).....	324
KASHIMA, K. Tokyo Letter.....	323, 540	Radioactivity and the Latest Developments in the Study of the Chemical Elements, by Fajans. Translated by Wheeler and King. (Book Review).....	543
KHAN, R. H., HASLAM, R. T., AND HERSHEY, R. L. Effect of Gas Velocity and Temperature on Rate of Absorption. Absorption Symposium.....	1224	LINDEMANN, LIEF. Determination of Chromium and Vanadium in Steel.....	1271
KEANE, J. C., PAINE, H. S., AND BADOLET, M. S. Colloids in Cane and Beet Sugar Manufacture.....	1252	Rapid Determination of Phosphorus in Phosphor Bronzes.....	916
KEBLER, L. F. A Pioneer in Pure Foods and Drugs. Lewis C. Beck, A. B., M. D.....	968	LINDFORS, K. R. Surface Tension of Sugar Factory Products.....	813
KELLOGG, J. W. Available Nitrogen in Fertilizers. Need of New Method for Its Determination.....	371	LING, T. T., AND RHODES, P. H. Chinese Wood Oil.....	1051
KELLY, H. A. Pierre Curie, by Curie. Translated by Charlotte and Vernon Kellogg, with introduction by Meloney. (Book Review).....	433	LIPMAN, J. G. Value of Sulfur in Soil Improvement and Crop Production.....	250
KELLY, M. W., AND THOMAS, A. W. Differences in Kind or Degree of Tannin Fixation.....	31	AND BLAIR, A. W. Utilization of Nitrogen in Soils and Fertilizers as Affected by Lime.....	373
Quinone Tannage.....	925	LITTLE, A. D. Classified Membership. [See This Journal, 15, 1212 (1923)].....	96
Tannic Acid Tannage.....	800	Professional Protection. (See Dannerth, 319, Oliver, 756).....	423
KELLY, W. J. Determination of Distribution of Particle Size.....	928	The Fifth Estate.....	1105
AND AYERS, K. B. Solubility of Sulfur in Rubber.....	148	LOCHTE, H. L. Purification of Methylene Ketone by Sodium Iodide.....	956
KEMMERER, GEORGE, LENHER, VICTOR, AND WHITFORD, EARL. Extraction of Cesium from Pollucite.....	1280	LORMAND, CHARLES. Paris Letter. 98, 321, 427, 539, 650, 760, 870, 978, 1199.....	1286
KENDALL, JAMES. Second Report of Committee on Contact Catalysis, by Bancroft. (Book Review).....	763	LOUDER, E. A., BRIGGS, T. R., AND BROWNE, A. W. Vapor Pressure Curves for Systems Containing Alcohol, Ether, and Water.....	932
The Electron in Chemistry, by Thomson. (Book Review).....	102	LOWY, ALEXANDER. Coal Products Chart.....	26
KENDALL, V. V., AND SPELLER, F. N. Alloys Resistant to Corrosion. (Book Review).....	103	WOOD, A. E., AND FARAGHER, W. F. Action of Petroleum-Refining Agents on Pure Organic Sulfur Compounds Dissolved in Naphtha	1116
KERN, E. J., AND KOENIG, J. W. Acidity of Vegetable Tan Liquors	261	LUNDELL, G. E. F. Metallurgical Analysis, by Lord and Demorest. (Book Review).....	1202
KEYES, D. B. The Technical Organization, by Weiss and Downs. (Book Review).....	764	AND KNOWLES, H. B. Use of Cool Solutions in the Jones Reductor	723
		LYNCH, D. F. J., AMBLER, J. A., AND HALLER, H. L. Naphthalenesulfonic Acids. VI—Sulfonation of Naphthalene in the Vapor Phase.....	1264
		AND HALLER, H. L. Naphthalenesulfonic Acids. V—Quantitative Estimation of 2,6- and 2,7-Naphthalenedisulfonic Acids.....	273
		LYTHGOE, H. C., EDEN, B. A., AND MARSH, C. E. Double Strength Tincture of Ginger: Its Composition and Analysis.....	816

MAAS, PHILIP, AND HENWOOD, ABRAHAM. Harry Frederick Keller—Chemist, Mineralogist, Educator (1861–1924). Obituary.....	529	MUNROE, C. E., AND DOYLE, A. M. Washington's Relation to Dye Industry Prior to 1914. Dye Symposium.....	417
MABERY, C. F. Combustion of Petroleum Hydrocarbons.....	911	MYERS, H. M., BARNARD, D. P., AND FORREST, H. O. Mechanism of Lubrication. III—Effect of Oiliness on Behavior of Journal Bearings.....	347
MAGDOON, C. A. Commercial Fruit and Vegetable Products, by Cruess. (Book Review).....	874	NEALON, E. J., AND McDONNELL, C. C. Deterioration of Soap-Nicotine Preparations.....	819
MAHLER, PAUL, AND TEEPLE, J. E. Testing Decolorizing Carbons.....	498	NELSON, E. K. La Lavande Francaise, Sa Culture, Son Industrie, Son Analyse, by Mourre. (Book Review).....	637
MAHOOD, S. A. Textbook of Cellulose Chemistry, by Heuser. (Book Review).....	982	NELSON, V. E., FULMER, E. I., AND SHERWOOD, F. F. Effect of Ammonium Chloride upon Growth of Yeast and Hydration of Gluten in Beer Wort.....	921
MAINS, G. H., AND LAForge, F. B. Furfural from Corncobs. IV—Economic Aspect of Furfural Production.....	356	NEWELL, L. C. Charles W. Eliot—Chemist.....	636
MALLEIS, O. O. By-Product Coke Cell Structure.....	901	NEWKIRK, W. B. Manufacture and Uses of Refined Dextrose.....	1173
MANDELBAUM, M. R., AND GRAY, T. T. Catalytic Treatment of Cracked Distillates in the Vapor Phase.....	913	NEWTON, A. J. Photographic Exhibits Wanted.....	535
MANGE, C. E., AND EHLER, OTTO. Solubilities of Vanillin.....	1258	NICHOLLS, P. A Heat Transmission Meter. Heat Transfer Symposium.....	490
MANN, C. A. What Industry Owes to Chemical Science, by Pilcher and Butler-Jones. (Book Review).....	983	NISHIDA, D., AND GILL, A. H. Notes on Oil from Kauri Copal. [See This Journal, 15, 1276 (1923)] Correction.....	207
MARASCO, MARTIN. Reliable Plant Viscometer.....	172	NORRIS, J. F. New Catalytic Effects of Zinc Chloride and Aluminum Chloride.....	184
MARSHALL, A. E. Mechanical Handling Devices. I—The Grab Bucket.....	5	Treatise in General and Industrial Organic Chemistry, Part II, by Molinari. Translated by Pope. (Book Review).....	653
MASON, O'NEAL, MORGAN, RUSSELL, WITH LEWIS, H. F. Methylations. Hydrolysis of Dimethyl Sulfate.....	811	NORTH, C. O. Systematic Survey of Rubber Chemistry, by Bedford and Winkelmann. (Book Review).....	213
MATHEWS, H. J. Kapillarchemie. Eine Darstellung der Chemie der Kolloide und verwandter Gebiete, by Freundlich. (Book Review).....	985	NORTHROP, J. H. Jacques Loeb—1859 to 1924. Obituary.....	318
MATHEWS, J. H. Clouds and Smokes. Properties of Disperse Systems in Gases and Their Practical Applications, by Gibbs. (Book Review).....	654	NOYES, W. A. French Physical Society Anniversary. Political Platform for International Union of Pure and Applied Chemistry. (See Hart, 973).....	757
AND WILLIAMSON, R. V. Rate of Absorption and Equilibrium of Carbon Dioxide in Alkaline Solutions.....	1157	Price of German Publications.....	424
MATSUMOTO, T., BENSON, H. K., AND HERRICK, J. S. Solubility of Portland Cement in Weathering Agents.....	1063	25th Anniversary of Discovery of Radium.....	168
MATTERN, L. W. Applied Chemistry, by Garard. (Book Review).....	874	Verein Deutscher Chemiker.....	806
MATTHEWS, G. E., AND CRABTREE, J. I. Corrosion of Monel Metal in Photographic Solutions.....	671	OLIVER, T. C. Professional Protection. (See Dannerth, 319; Little, 423).....	756
CRABTREE, J. I., AND HARTT, H. A. Effect of Electrolysis on Rate of Corrosion of Metals in Photographic Solutions.....	13	OLSEN, FRED, AND GOLDSTEIN, J. C. Preparation of Picric Acid from Phenol.....	66
MATTHEWS, R. R., KNOCH, H. H., AND CROSBY, P. A. Determination of Dilution of Crank-Case Oil.....	1153	OLSEN, J. C. American Institute of Chemical Engineers.....	865
MCADAMS, W. H. Mechanical Properties of Fluids. (Book Review).....	874	OWEN, W. L., AND BOND, J. D. Alcohol from Cane Blackstraps. Effect of Varying Additions of Acid.....	387
Über Wärmeleitung und Andere Ausgleichende Vorgänge, by Warburg. (Book Review).....	1292	PADOVANI, CARLO. Italian Letter.....	870, 1286
AND MORRELL, J. C. Estimation of Latent Heats of Vaporization of Liquids at High Pressures.....	375	PAINE, H. S. Constructive Chemistry in Relation to Confectionery Manufacture.....	513
MCBRIDE, E. W., ARDAGH, E. G. R., BARBOUR, A. D., AND McCLELLAN, G. E. Distillation of Acetate of Lime.....	1133	BADOLLET, M. S., AND KEANE, J. C. Colloids in Cane and Beet Sugar Manufacture.....	1252
MCCABE, W. L., AND ROBINSON, CLARK S. Evaporator Scale Formation. Heat Transfer Symposium.....	478	PALMER, C. S. Centigrade Thermometer Due to Linnaeus, not Celsiusus?.....	803
MCCANDLESS, J. M., AND BURTON, J. Q. Some Sources of Error in Determination of Phosphoric Acid by the Molybdate-Magnesia Method.....	1267	PALMER, L. S. Chemistry of Milk and Dairy Products Viewed from a Colloidal Standpoint. (See Alexander, 1282).....	631, 974
McCLELLAN, G. E., ARDAGH, E. G. R., BARBOUR, A. D., AND McBRIDE, E. W. Distillation of Acetate of Lime.....	1133	PARKER, H. O., AND BROOKS, B. T. Volatile Yellow Coloring Matter in Cracked Gasolines.....	587
McCULLOUGH, J. C., AND RIEFF, O. M. Prevention of Case-Hardening by Copper Plating.....	611	PARMELEE, H. C. Standardization Not Intended. (See editorial "Data Needed on Education," 882).....	1088
McDONNELL, C. C. Recent Progress in Insecticides and Fungicides.....	1007	PARR, S. W. Low Temperature Carbonization, by Lander and McKay. (Book Review).....	873
AND NEALON, E. J. Deterioration of Soap-Nicotine Preparations.....	819	AND YANCEY, H. F. Sulfur Forms in Coal—Distribution and Control.....	501
McGEE, J. M., AND SPOEHR, H. A. Investigations in Photosynthesis. Electrometric Method of Determining Carbon Dioxide.....	128	PARSONS, C. L. Report, Committee Advisory to the War Department. Washington Meeting.....	533
McGOWAN, F. R. A. S. T. M. Specifications and Methods of Test for Textile Materials, with Reports and Papers Relating Thereto. (Book Review).....	431	PATTERSON, A. M. William Albert Noyes. (American Contemporaries).....	420
MCHAFFIE, I. R., AND SHIPLEY, J. W. Graphitic Softening of Cast Iron.....	573	PATTERSON, R. A. Crystal Analysis by the Diffraction of X-Rays.....	689
McKEE, R. H., AND SALLS, C. M. Sulfuryl Chloride. I—Principles of Manufacture from Liquid Sulfur Dioxide. (See Pope, 533) 279; II—Principles of Manufacture from Sulfur Burner Gas. 351; III—Hydrolysis to Sulfuric and Hydrochloric Acids.....	833	Structure of Crystals, by Wyckoff. (Book Review).....	1203
McLEAN, W. A. A New Colloid Mill.....	494	PEARCE, W. T. Varnish Studies. Relationships of Physical Tests and Chemical Composition to Durability.....	681
MCHRING, A. L., ROSS, W. H., AND BRYAN, HARRY. Electric Graphite Resistance Furnace.....	821	PERVIER, N. C., AND GORTNER, R. I. Estimation of Pentoses and Pentosans—II. (See This Journal, 15, 1255 (1923)] Correction.....	97
ROSS, W. H., AND JONES, R. M. Preparation of Phosphoric Acid. Replacement of Sand by Potash Silicates in Volatilization Process.....	563	PETERS, W. A., JR. Fractional Distillation for Separation of Constituents of Petroleum.....	1126
MELLER, H. B. Economy through Smoke Abatement.....	1049	AND BLAKE, F. C. Heat Transfer in Small Pipes. Heat Transfer Symposium.....	845
MELLON, M. G., AND MORRIS, V. N. Electrometric Study of Titration of Boric Acid.....	123	PIERCE, J. A., AND GUSTAVSON, R. G. True Dry Substance Content of Beet Molasses.....	167
MERRILL, H. B. Hydrolysis of Skin and Hair. Influence of Hydrogen-Ion Concentration, Time, and Temperature.....	1144	PIKE, R. D., AND WEST, G. H. Removal of Naphthalene from Gas by Oil Scrubbing.....	253
MIDGLEY, THOMAS, JR., AND HOCHWALT, C. A. Ferrous Selenide as Contact Catalyst for Cracking.....	365	PLACE, P. B., AND DAVIS, J. D. Thermal Reactions of Coal during Carbonization.....	589
MILLER, G. E., AND SMITH, C. M. Influence of Mercury and Other Impurities on Rate of Oxidation of White Arsenic by Nitric Acid.....	1168	POPE, W. J. Sulfuryl Chloride. (See McKee and Salls, 279).....	533
MILLIGAN, C. H., RICHARDSON, A. S., AND KNUTH, C. A. Heterogeneous Catalysis. I—Selective Action of Catalytic Nickel in Hydrogenation of Certain Vegetable Oils.....	519	PORTER, FRANK. An Automatic Töpler Pump.....	731
MILLIGAN, L. H. New Spiral Gas-Washing Bottle.....	889	PORTER, H. C. Industrial Coal: Purchase, Delivery, and Storage. (Book Review).....	1288
MOHLMAN, F. W. Filtration of Activated Sludge.....	225	Kohlenchemie. Entstehung und chemisches Verhalten der Kohlen und ihrer Bestandteile, Untersuchung der Kohlen, by Strache and Lant. (Book Review).....	1095
MONROE, K. P. Fluidity Anomalies in Refined Mineral Oils. (See Bingham, et al., 25).....	534	Utilization of Low-Grade and Waste Fuel, by Goodrich. (Book Review).....	434
MORGAN, RUSSELL, MASON, O'NEAL, WITH LEWIS, H. F. Methylations. Hydrolysis of Dimethyl Sulfate.....	811	POSTE, E. P. Heat Transfer in Enamel-Lined Apparatus. Heat Transfer Symposium.....	469
MORRELL, J. C., AND MCADAMS, W. H. Estimation of Latent Heats of Vaporization of Liquids at High Pressures.....	375	PRATT, L. A. Manufacture of Sodium Hyposulfite.....	676
MORRIS, V. N., AND MELLON, M. G. Electrometric Study of Titration of Boric Acid.....	123	FRAUDSNTZ, P. H. Fritted Glass Filter Disks.....	370
MORY, A. V. H. The Packing Industry. (Book Review).....	764	FRIDGON, L. A., AND BADGER, W. L. Studies in Evaporator Design. V—Effect of Surface Conditions. Heat Transfer Symposium.....	474
MÜLLER, J. H. Germanium in Smithsonite and Mine Waters. From the Hudson Mine, Livingston County, Kentucky.....	604	FRITCHARD, D. A., AND GOLLOP, G. E. Canadian Salt Company's Processes for Manufacture of Alkali-Chlorine Products.....	1056
		PROCHAZKA, G. A. American Dyestuffs. Reminiscently, Autobiographically, and Otherwise. Dye Symposium.....	413
		PROFFITT, M. J., JACKSON, R. F., AND SILSBEE, C. G. Method for Manufacture of Levulose.....	1250
		PUTNAM, M. E. Melting Point of Acetyl Salicylic Acid.....	778
		REED, E. O. Standard Atmospheric Conditions for Paper Testing.....	262
		REED, H. S. Manufacture of Picric Acid.....	72
		RIEFF, O. M., AND McCULLOUGH, J. C. Prevention of Case-Hardening by Copper Plating.....	611
		RENWICK, F. F. Photography as a Scientific Implement. (Book Review).....	105

RESEVELT, P. V., AND CROSSLEY, M. L. Color and Constitution. I—Preliminary Paper. Effect of Isomerism on Color of Certain Azo Dyes.....	271	SHERWOOD, F. F., NELSON, V. E., AND FULMER, E. I. Effect of Ammonium Chloride upon Growth of Yeast and Hydration of Gluten in Beer Wort.....	921
REYNOLDS, F. W. Clarification of Yeast Extracts with Neutral Lead Acetate.....	562	SHIPLEY, J. W., AND MCHAFFIE, I. R. Graphitic Softening of Cast Iron.....	573
Rapid Analysis of Sugars. Purification and Concentration of Enzyme Solutions.....	169	SHOSTROM, O. E., CLOUGH, R. W., AND CLARK, E. D. Chemical Study of Canned Salmon. I—Variations in Composition of Pacific Coast Salmons and Steelhead Trout as Influenced by Species and Locality where Caught.....	283
RHODES, F. H., BURR, C. R., AND WEBSTER, P. A. Effect of Iron Oxide Pigments on Rate of Oxidation of Linseed Oils.....	960	SHREVE, R. N. Aniline and Its Derivatives, by Groggins. (Book Review).....	765
AND JOHNSON, E. B. Electrolytic Corrosion in a Water-Gas Holder.....	575	Grundlegende Operationen der Farbenchemie, by Fierz-David. (Book Review).....	324
AND LING, T. T. Chinese Wood Oil.....	1051	SILSBEE, C. G., PROFFITT, M. J., AND JACKSON, R. F. Method for Manufacture of Levulose.....	1250
RICE, C. W. Forced Convection of Heat in Gases and Liquids—II. Heat Transfer Symposium.....	460	SILVERMAN, ALEXANDER. Selective Instruction.....	860
RICE, E. W., AND HORNE, W. D. A Simple Turbidoscope.....	626	SIMPSON, S. G. Mixed Indicator for Carbonate-Bicarbonate Titrations.....	709
RICHARDS, C. A., HAWLEY, L. F., AND FLECK, L. C. Relation between Durability and Chemical Composition in Wood.....	699	SISCO, F. T., AND WHITMORE, M. R. Properties and Structure of Some Alloys of Aluminium-Copper-Tellurium.....	838
RICHARDSON, A. S., KNUTH, C. A., AND MILLIGAN, C. H. Heterogeneous Catalysis. I—Selective Action of Catalytic Nickel in Hydrogenation of Certain Vegetable Oils.....	519	SKIDGELL, C. E. Principles of Electroplating and Electroforming, by Blum and Hogabloom. (Book Review).....	654
RICHARDSON, W. D. Standard Methods for Determining Viscosity and Jelly Strength of Glue.....	310	SLOSSON, E. E. A Close-up of Professor Bailey. (American Contemporaries).....	316
RITTER, G. J. Modified Method for Determining Cellulose in Wood..	947	Expansion of Chemistry.....	447
AND FLECK, L. C. Determination of Cellulose in Wood.....	147	SMITH, C. M., AND HENDRICKS, S. B. Determination of Free Calcium Hydroxide in Commercial Calcium Arsenate.....	950
ROBAK, C. H. A. Scandinavian Letter.....	979	AND MILLER, G. E. Influence of Mercury and Other Impurities on Rate of Oxidation of White Arsenic by Nitric Acid.....	1168
ROBINSON, CLARK S. Einfache und Fraktionierte Destillation in Theorie und Praxis, by Rechenberg. (Book Review).....	654	SMITH, D. F. Apparatus for Maintaining Constant Pressure of Gas..	22
Modern Theory and Practice of Pumping, by Swindin. (Book Review).....	874	SMITH, D. P., AND LENHER, VICTOR. Distillation Method of Separating Selenium from Tellurium.....	837
Practical Mathematical Analysis, by von Sanden. Translated by Levy. (Book Review).....	875	SMITH, E. F. Pioneers of Progress: Men of Science. Michael Faraday, by Crowther. Joseph Priestley, by Peacock. John Dalton, by Neville-Polley. (Book Review).....	432
Practical Physical Chemistry, by Findlay. (Book Review).....	102	Stories of Scientific Discovery, by Hammond. (Book Review).....	324
AND McCABE, W. L. Evaporator Scale Formation. Heat Transfer Symposium.....	478	The Life of Sir William Crookes, O. M., F. R. S., by D'Albe. Foreword by Lodge. (Book Review).....	545
ROE, R. B. Determination of Chlorine Absorbed by Unbleached Sulfite Pulp.....	808	SMITH, E. H. Some Early Chemical Symbols.....	406
ROSE, R. P. Chemistry of Rubber, by Luff. (Book Review).....	212	SMITH, G. F., BROWN, MORRIS, AND ROSS, J. F. Magnesium Perchlorate Trihydrate. Its Use as Drying Agent for Steel and Organic Combustion Analysis.....	20
ROSS, J. F., SMITH, G. F., AND BROWN, MORRIS. Magnesium Perchlorate Trihydrate. Its Use as Drying Agent for Steel and Organic Combustion Analysis.....	20	AND HOLLISTER, C. E. New Design Circuit Breaker for Laboratory Thermostats.....	1162
ROSS, W. H., BRYAN, HARRY, AND MEHRING, A. L. Electric Graphite Resistance Furnace.....	821	SMITH, J. F. Patent Reference Sources.....	527
MEHRING, A. L., AND JONES, R. M. Preparation of Phosphoric Acid. Replacement of Sand by Potash Silicates in the Volatilization Process.....	563	Recent Developments in Rubber Accelerators.....	1024
ROTH, WALTER. German Letter. 99, 321, 426, 537, 649, 759, 869, 976, 1090, 1198.....	1285	SNYDER, HARRY, AND SULLIVAN, BETTY. Determination of Moisture in Wheat and Flour—I, 741; II.....	1163
ROWE, A. W. The More Common Impurities of Anesthetic Ether.....	896	SPARKS, K. E., AND BEAL, G. D. Preparation of Arsenic-Free Reagents.....	369
RUSSELL, R. P., AND WHITMAN, W. G. Natural Water Corrosion of Steel in Contact with Copper.....	276	SPELLER, F. N., AND KENDALL, V. V. Alloys Resistant to Corrosion. (Book Review).....	103
WHITMAN, W. G., AND ALTIERI, V. J. Effect of Hydrogen-Ion Concentration on Submerged Corrosion of Steel.....	665	AND TEXTER, C. R. Effect of Alkaline Solutions on Corrosion of Steel Immersed in Water.....	393
RYAN, W. P., AND HASLAM, R. T. Countercurrent Digestion of Wood.....	144	SPERR, F. W., JR. Absorption of Hydrogen Sulfide. Absorption Symposium.....	1237
SAKLATWALLA, B. D. Die Legierungen, by Ledebur. Revised and rewritten by Bauer. (Book Review).....	1291	SPITZER, GEORGE, AND EPPLE, W. F. Determination of Adulterants in Butter Fat.....	828
Vanadium Ores. Imperial Institute Monograph on Mineral Resources. (Book Review).....	765	SPOEHR, H. A., AND MCGEE, J. M. Investigations in Photosynthesis. Electrometric Method of Determining Carbon Dioxide.....	128
SALE, J. W., AND BADGER, C. H. Contamination of Beverages and Other Food with Zinc.....	164	SPRING, A. F., AND GORDON, N. T. Continuous Process for Manufacture of Sodium Tungstate and Tungstic Acid from Wolframite.....	555
AND WILSON, J. B. Suitability of Various Solvents for Extracting Vanilla Beans—II.....	301	STEELE, L. L. Effect of Certain Metallic Soaps on the Drying of Raw Linseed Oil.....	957
SALISBURY, H. M., DAVIS, C. E., AND HARVEY, M. T. Surface Tension of Gelatin Solutions.....	161	STEGEMAN, GEBHARD, AND HARVEY, A. W. Sulfonation of Benzene..	842
SALLS, C. M., AND MCKEE, R. H. Sulfuryl Chloride. I—Principles of Manufacture from Liquid Sulfur Dioxide (See Pope, 533), 279; II—Principles of Manufacture from Sulfur Burner Gas, 351; III—Hydrolysis to Sulfuric and Hydrochloric Acids.....	833	STELLING, ERNESTO. Gravimetric Determination of Lead in Presence of Tin and Antimony.....	748
SANBORN, N. H., AND KOHMAN, E. F. Nature of Corrosion in Canned Fruits. (Correction, 425).....	290	Solution of Tin and Antimony Oxides.....	346
SANDEKSON, C. W. Crude Rubber Testing—Rate of Cure.....	966	STEVENS, HOYT. Simple Distinction between Citric and Tartaric Acids.....	155
SANDO, C. E. Continuous Extraction Apparatus for Large Quantities of Plant Materials.....	1125	STREETER, L. R., AND THATCHER, R. W. Preparation of a Basic Arsenate of Lead of Definite Composition.....	941
SCALES, F. M., AND HARRISON, A. P. Determination of Nitrate Nitrogen. Colorimetric Method.....	571	SULLIVAN, BETTY, AND SNYDER, HARRY. Determination of Moisture in Wheat and Flour—I, 741; II.....	1163
SCHERER, P. C., AND CHAMBERS, R. F. Benzylpseudothiourea Salts of Naphthalenesulfonic Acids.....	1272	SWAIN, R. E., AND CROSS, R. J. Amino Acid Distribution in Proteins of Wheat Flours. With a Note on Improved Method for Preparation of Aldehyde-Free Alcohol.....	319
SCHMIDT, W. A. Electrical Precipitation in Retrospect.....	1038	SWENNEY, O. R. The Story of Bakelite, by Mumford. (Book Review).....	765
SCHORGER, A. W. Constitution of Cellulose.....	1274	SWEET, S. S., AND SHEPPARD, S. E. Some Unresolved Factors in Jelly Strength Determination.....	593
Gelatinization of Lignocellulose. II—Action of Dilute Sodium Hydroxide and Cuprammonium Solutions on the Pentosans.....	141	SWIFT, C. K. Testing of Foam for Use on Fires. (Correction, 866)...	580
SCHWARTZ, F. W. William P. Mason. (American Contemporaries).....	93	TANNER, H. G., AND TURRENTINE, J. W. Potash from Kelp. VIII—Certain Equilibria Used in Manufacture of Potassium Chloride from Kelp Brines.....	242
SCOTT, W. W. Catalysts for Oxidation of Ammonia.....	74	Taylor, F. O. John M. Francis—1867 to 1924. Obituary.....	317
Volumetric Determination of Fluorine.....	703	Taylor, J. B. New Stability Test for Nitrocellulose.....	1185
SEBRELL, L. B., AND VOGT, W. W. Acceleration of Vulcanization. I—Influence of Acetone-Soluble Constituents of Rubber on Physical and Chemical Properties of Accelerated Rubber Stocks.....	792	TEEPLE, J. E. American Potash.....	405
SEGERBLOM, WILHELM. Notes on Chemical Analysis, by Craig. (Book Review).....	873	AND MAHLER, PAUL. Testing Decolorizing Carbons.....	498
SEIBEL, C. W. Report of Oxygen Research Committee, Department of Scientific and Industrial Research. (Book Review).....	104	TEXTER, C. R., AND SPELLER, F. N. Effect of Alkaline Solutions on the Corrosion of Steel Immersed in Water.....	393
SEIDELL, AHERTON. Bayer 205.....	680	THATCHER, R. W., AND STREETER, L. R. Preparation of a Basic Arsenate of Lead of Definite Composition.....	941
Bergius Process.....	754	THIELE, E. W., AND HASLAM, R. T. Recent Progress in Field of Fuels and Fuel Technology.....	749
Congrès de Chimie Industrielle.....	866	THOMAS, A. W., AND KELLY, M. W. Differences in Kind or Degree of Tannin Fixation.....	31
Fiftieth Anniversary of Stereochemistry.....	1283	Quinone Tannage.....	925
International Union Meetings. (See Zanetti, 1088).....	973	Tannic Acid Tannage.....	800
SENGSON, P. T., AND HORTON, P. M. Comparative Ash Adsorption of Vegetable and Bone Chars.....	165	AND SEYMOUR-JONES, F. L. Action of Trypsin upon Diverse Leathers.....	157
SEYMOUR-JONES, F. L., AND THOMAS, A. W. Action of Trypsin upon Diverse Leathers.....	157	THOMPSON, G. W. Lead—Its Occurrence in Nature, the Modes of Its Extraction, Its Properties and Uses, with Some Account of Its Principal Compounds, by Smythe. (Book Review).....	434
SHAFPER, SHERMAN, AND LEWIS, H. F. Decomposition of Anthraquinone by Heat.....	717	THORBURN, A. D. Dalton Memorials in Manchester, England.....	190
SHAW, L. I. General Chemistry, by Deming. (Book Review).....	214	THURMOND, G. I., AND EDGAR, GRAHAM. Equilibrium between Lactic Acid and Its Anhydrides.....	823
SHEPPARD, S. E. Pulverised and Colloidal Fuel, by Dunn. (Book Review).....	544	TISDALE, W. E. The New Physics, by Haas and Lawson. (Book Review).....	325
AND EBERLIN, L. W. Slow Gelation in Pressure-Still Tar.....	832	TOCH, MAXIMILIAN. A Chemistry Professor in China.....	1283
AND SWEET, S. S. Some Unresolved Factors in Jelly Strength Determination.....	593	TOLMAN, L. M. Fats: Natural and Synthetic, by Myddleton and Barry. (Book Review).....	875
SHERMAN, J. M., ALBUS, W. R., AND WHITTIER, E. O. Rates of Fermentation of Sugars by Propionic Organism.....	122		

TOTTINGHAM, W. E., AND GERHARDT, F. Quantitative Methods for Analysis of Hemicellulose in Apple Wood.....	139	WHITMAN, W. G., AND DAVIS, D. S. Comparative Absorption Rates for Various Gases. Absorption Symposium.....	1233
TRESSLER, D. K. Examination of Liquid Glue.....	943	AND LEWIS, W. K. Principles of Gas Absorption. Absorption Symposium.....	1215
TRUITT, A. D., AND FLANDERS, F. F. Rapid Method for Analysis of Soap Powder. [See THIS JOURNAL, 15, 1232 (1923)] Correction	97	AND RUSSELL, R. P. Natural Water Corrosion of Steel in Contact with Copper.....	276
TUNISON, B. R. Industrial Alcohol, by McIntosh. (Book Review).....	542	RUSSELL, R. P., AND ALTIERI, V. J. Effect of Hydrogen-Ion Concentration on Submerged Corrosion of Steel.....	665
TURRENTINE, J. W. American Potash—A Progress Report.....	1192	WHITMORE, F. C. Allen's Commercial Organic Analysis. Vol. I—Alcohols, Carbohydrates, Yeast, Esters, Aldehydes, Vegetable Acids. Edited by Sadtler, et al. (Book Review).....	433
AND TANNER, H. G. Potash from Kelp. VIII—Certain Equilibria Used in Manufacture of Potassium Chloride from Kelp Brines.....	242	Systematic Organic Chemistry, by Cumming, et al. (Book Review).....	985
VAN MARLE, D. J. Heat Transmission in an Inclined Rapid Circulation Type Vacuum Evaporator. Heat Transfer Symposium.....	458	WHITMORE, M. R., AND SISCO, F. T. Properties and Structure of Some Alloys of Aluminium-Copper-Tellurium.....	838
VEITCH, F. P. A. S. T. M. Tentative Standards for 1923. (Book Review).....	103	WHITNEY, W. R. Storage Batteries, by Vinal. (Book Review).....	984
Federal Naval Stores Act.....	640	WHITTAKER, C. W., AND FOX, E. J. Potash from Cement Dust. Concentration by Elutriation.....	1044
VICKERY, H. B. Recent Advances in Protein Chemistry.....	1029	WHITTIER, E. O. Catalyzed Oxidation of Galactose.....	744
VILBRANDT, F. C. New Correction Tube for Gas Burets.....	936	SHERMAN, J. M., AND ALBUS, W. R. Rates of Fermentation of Sugars by Propionic Organism.....	122
AND BANKSTON, H. J., JR. Influence of Several Solvents on Hanus Iodine Values of Cottonseed and Coconut Oils.....	707	WILDE, H. D., JR. Two Forms of Constant Water-Level Device.....	904
AND GILES, W. E. Low-Temperature Distillation of Farmville, N. C., Coal.....	779	WILKIN, R. E., AND WILSON, R. E. Solvent-Index of Refraction Method of Determining Oil in Wax.....	9
VOGT, W. W., AND SEBRELL, L. B. Acceleration of Vulcanization. I—Influence of Acetone-Soluble Constituents of Rubber on Physical and Chemical Properties of Accelerated Rubber Stocks..	792	Use of Koehler Safety Lamp in Testing Tanks for Combustible Gases or Vapors.....	1154
VOLLMAR, C. J., AND WILSON, J. A. Bacteria in Tannery Soak Waters. Similarity in Effect of Salts upon Bacterial Counts and upon Stability of Colloidal Dispersions.....	367	WILLAMSON, J. J., BURR, G. O., AND DAVISON, F. R. Cornstalk Sirup Investigations.....	734
VOSS, E., LEWIS, W. K., AND WARD, J. T. Optimum Operating Conditions for Pipe Heating and Cooling Equipment. Heat Transfer Symposium.....	467	AND DAVISON, F. R. Starch in Sorghum Sirup.....	609
VUILLEUMIER, E. A. Confirmatory Test for Presence of Diethylphthalate in Specially Denatured Alcohol.....	1120	WILLIAMS, I. R. Plasticity of Rubber and Its Measurements.....	362
Direct Reading Apparatus for Determining Approximate Specific Gravity of Solids.....	620	WILLIAMSON, R. V., AND MATHEWS, J. H. Rate of Absorption and Equilibrium of Carbon Dioxide in Alkaline Solutions.....	1157
WAGGAMAN, W. H. Manufacture of Phosphoric Acid by the Volatilization Process. Some Technical Problems.....	176	WILSON, J. A., AND DAUB, GUIDO. Effect of Long Contact of Calf-skin with Saturated Limewater.....	602
WAGNER, C. R. Some Characteristics of the Hydrocarbons in Mid-continent Kerosene.....	135	AND GALLUN, A. F., JR. Chemistry and Comfort. Relation between Chemical Composition of Leather and Comfort of Shoes Made Therefrom.....	268
WAGNER, E. C. Accurate Evaluation of Potassium Chlorate by Method of Bunsen.....	616	Strength and Stretch of Calf and Kid Leathers as Functions of Oil Content.....	1147
WALEN, E. D. Textile Fibers, by Matthews. (Book Review).....	653	AND VOLLMAR, C. J. Bacteria in Tannery Soak Waters. Similarity in Effect of Salts upon Bacterial Counts and upon Stability of Colloidal Dispersions.....	367
WALKER, P. H. House Painting, Glazing, Paper Hanging, and Whitewashing, by Sabin. (Book Review).....	652	WILSON, J. B., AND SALE, J. W. Suitability of Various Solvents for Extracting Vanilla Beans—II.....	301
Importance of Position in Weather Tests.....	528	WILSON, R. E., AND BAHLKE, W. H. Boiling Point Correction Chart for Normal Liquids. Special Application to Petroleum Products.....	1131
AND HICKSON, E. F. Paints Resistant to Sulfide Fumes.....	1142	Physical Properties of the Paraffin Hydrocarbons.....	115
WARD, J. T., LEWIS, W. K., AND VOSS, E. Optimum Operating Conditions for Pipe Heating and Cooling Equipment. Heat Transfer Symposium.....	467	AND FORTSCH, A. R. Viscosity of Oils at High Temperatures.....	789
WARE, E. E. Varnishes and Their Components, by Morrell. (Book Review).....	1093	AND WILKIN, R. E. Solvent-Index of Refraction Method of Determining Oil in Wax.....	9
WASHBURN, E. W. Melting and Freezing Points of Pure Substances and of Eutectic Mixtures. Apparatus for Their Determination. Specific Heats of Gases, by Partington and Shilling. (Book Review).....	275	Use of Koehler Safety Lamp in Testing Tanks for Combustible Gases or Vapors.....	1154
WATERS, C. E. Laboratory Stirrer.....	493	WINKELMANN, H. A., AND BEDFORD, C. W. Reactions of Accelerators during Vulcanization. VI—Organic Acids and Inorganic Accelerators.....	32
WEBER, H. C. Quantitative Analysis of Mists and Fogs, Especially Acid Mists. Absorption Symposium.....	1239	WITT, J. C. Sands and Crushed Rocks, by Searle. Vol. 1—Their Nature, Properties, and Treatment. Vol. 2—Their Uses in Industry. (Book Review).....	655
WEBSTER, P. A., RHODES, F. H., AND BURR, C. R. Effect of Iron Oxide Pigments on Rate of Oxidation of Linseed Oil.....	960	WOOD, A. E., LOWY, ALEXANDER, AND FARAGHER, W. F. Action of Petroleum-Refining Agents on Pure Organic Sulfur Compounds Dissolved in Naphtha.....	1116
WEISS, J. M. Coal-Tar Distillation and Working Up of Tar Products, by Warnes. (Book Review).....	212	WOODS, C. G. Register Your Protest.....	320
WELCH, F. C. Analysis of Gypsum and Gypsum Products.....	238	WYCKOFF, R. W. G. The Natural History of Crystals, by Tutton. (Book Review).....	1202
WELLS, C. F., AND DUNBAR, B. A. Fermentation of Natural Fruit Juices.....	739	YANCEY, H. F., AND PARR, S. W. Sulfur Forms in Coal—Distribution and Control.....	501
WELLS, R. C., BAILEY, R. K., AND FAIRCHILD, J. G. Note on Hicks Method of Determining Potassium.....	935	YANT, W. P., JACOBS, W. A., AND BERGER, L. B. Carbon Monoxide Poisoning in Private Garages.....	1047
WENDT, G. L., AND DIGGS, S. H. Chemistry of "Sweetening" in the Petroleum Industry.....	1113	JONES, G. W., AND BERGER, L. B. Explosibility of Hydrogen Sulfide in Air.....	353
AND GRIMM, F. V. Suggested Mechanism for Antiknock Action.....	890	YEE, J. Y., AND GUERNSEY, E. W. Preparation and Chemical Nature of Calcined Phosphate.....	228
WEST, C. J. "Chemical Age" Chemical Dictionary of Chemical Terms. (Book Review).....	1291	YENSEN, T. D. Determination of Silicon in Iron-Silicon Alloys by Their Physical Properties.....	366
Chemisch-Technische Vorschriften, by Lange, Band II—Fasern, Massen und Schichten, 105; Band III—Harze, Öle, Fette, 325; Band IV—Düngemittel (Sprengstoffe), Futtermittel, Lebensmittel. (Book Reviews).....	875	ZANETTI, J. E. Census of Graduate Research Students in Chemistry.....	402
Reference List of Bibliographies: Chemistry, Chemical Technology, and Chemical Engineering Published since 1900. Compiled by Sohon and Schaaf. (Book Review).....	543	Help Wanted.....	88
WEST, E. S. Interference of Ammonia with Hypochlorite Reaction for Aniline.....	1270	International Union Meetings. (See Seidell, 973).....	1088
WEST, G. H., AND PIKE, R. D. Removal of Naphthalene from Gas by Oil Scrubbing.....	253	List of Research Problems in Chemistry.....	304
WHERRY, E. T. Optimum Reaction Ranges of Crop Plants.....	826	ZEISBERG, F. C. Manufacture of Acids and Alkalis, by Lunge. Revised and rewritten under editorship of Cumming. Vol. VI—Manufacture of Nitric Acid and Nitrates, by Cottrell. (Book Review).....	655
WHITE, E. C. New Organic Mercurials and Their Therapeutic Applications.....	1034	Schwefel- und Stickstoffstudien, by Raschig. (Book Review).....	984
WHITE, J. D., AND ELLIS, F. R. Characteristics of Air-Blast Heaters. Heat Transfer Symposium.....	471	ZERBAN, F. W., AND HARDIN, G. H. Adsorption Effects of Filtering Materials on Sugar Solutions.....	1175
WHITFORD, EARL, LENHNER, VICTOR, AND KEMMERER, GEORGE. Extraction of Cesium from Pollucite.....	1280	ZOLLER, H. F. Organic Refrigerating Brines.....	1073