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commercial prepn. of $MgSO_4$ by evapn., crystn. and centrifuging of solns. left after extn. of K and Mg sulfates from langbeinite in Stebnik. This process looks promising from the commercial point of view. A brief survey of the deposits of Mg in Little Poland is given. A. C. ZACHLIN

Potash. J. W. TURRENTINE. *Mineral Ind.* 40, 445–57(1931).—The world's industry is reviewed. A. BUTTS

Preparation of monosodium cyanamide and cyanamide from disodium cyanamide. OTTO LIEBKNECHT. *Angew. Chem.* 45, 584–5(1932).—Anhyd. $NaHCN_2$ is prepd. by adding abs. EtOH soln. of H_2CN_2 to an abs. EtOH soln. of EtONa (*J. prakt. Chem.* [2], 11, 311(1875)). If Na_2CN_2 is extd. from the product obtained from coal, NH_3 and Na, or from $NaNH_2$ and NaCN, hydrolysis forms $NaHCN_2.2H_2O$ (Traube, *et al.*, *C. A.* 21, 898). Anhyd. $NaHCN_2$ can be made by the reaction Na_2CN_2 + EtOH (abs.) = $NaHCN_2$ + EtONa. Small amts. of NaCN appear in the EtONa. Free H_2CN_2 can be prepd. by the reaction $NaHCN_2$ + HCl (in Et_2O) = NaCl + H_2CN_2 (in Et_2O). A valuable by-product is the EtONa. E. M. SYMMES

The determination of sulfur dioxide in sulfuric acid plants. ARTHUR GROUNDS. *Ind. Chemist* 8, 189–90(1932).—Methods for use in plant control are reviewed, including Raschig's modification of the Reich test (cf. *C. A.* 3, 2352). A further modification of this method is given. The app. is quite compact and a detn. can be run in about a min. A table for calcg. results is given. M. G. MOORE

An improved method for the purification of spectroscopic carbon. G. HEYNE. *Angew. Chem.* 45, 612(1932).—Comparative results are reported for old and new methods. C treated with Cl_2 gas at 2000° or with a N_2-CCl_4 mixt. at 2000° is superior to that treated with a N_2-H_2 mixt. at 2800–3000°. B, Ti and V are volatilized by the new methods. The time of exposure to high temp. increases with the thickness of the C. Siemens-Plania C, diam. 5 mm., length 250 mm., is to be held at 2000° for 15 min. in a C tube, or moved through the hottest zone at the rate of 5 cm. in 10 min. K. K.

Hydrogenation in practice and theory and the manufacture of hydrogen. E. F. ARMSTRONG. *Trans. Inst. Chem. Engrs.* (London) 9, 139–57(1931); cf. *C. A.* 26, 1814.—An address dealing with the theory and practice of the properties and prepn. of the catalyst and the economic production of pure H. A. PAPINEAU-COUTURE

The catalysis of the Deacon process. A. E. KORVEZEE. *Rec. trav. chim.* 51, 815–34 (1932).—The stability of different compds. of Cu in the presence of mixts. of the gases HCl, H_2O, Cl and O was studied. Catalysis in the Deacon process is considered an example of chem. catalysis with the formation of intermediate compds. because of the stabilities of intermediate compds. formed when $CuCl_2$ is the catalyst, and the chem. similarity of the substances which catalyze the reaction. L. E. STEINER

Barium and strontium. CHARLES HARDY. *Mineral Ind.* 40, 63–7(1931).—An account of sources, uses and production. A. BUTTS

Arsenic. PAUL M. TYLER. *Mineral Ind.* 40, 41–7(1931).—A discussion of properties and uses, output and consumption, imports, exports, etc. A. BUTTS

Antimony. K. C. LI. *Mineral Ind.* 40, 34–40(1931).—A statistical account of production and consumption. A. BUTTS

Sulfur, pyrite and sulfuric acid. A. E. WELLS. *Mineral Ind.* 40, 509–19(1931).—World production and trade are reviewed, with statistics. A. BUTTS

Minor nonmetals. ANON. *Mineral Ind.* 40, 604–12(1931).—A review of market and production, including Br, cryolite, feldspar (by ARTHUR S. WATTS), fuller's earth (by HERMAN GUNTER), I and monazite. A. BUTTS

The occurrence of clumps of asbestosis bodies in the sputum of asbestos workers. M. J. STEWART, N. TATTERSALL AND A. C. HADDOW. *J. Path. Bact.* 35, 737–44(1932).—Asbestosis bodies are common in the sputum of asbestos workers. Large clumps indicate lung disintegration. Clumps are not often found. JOHN T. MYERS

Asbestos. OLIVER BOWLES. *Mineral Ind.* 40, 48–56(1931).—Varieties and grades, world production, imports and exports are treated, with a bibliography. A. BUTTS

Diatomite. V. L. EARDLEY-WILMOT. *Mineral Ind.* 40, 173–9(1931).—Properties, uses and world sources are discussed. A. BUTTS

Fluorspar. ANON. *Mineral Ind.* 40, 180–4(1931).—A review of the industry, with statistics. A. BUTTS

Graphite. BENJAMIN L. MILLER. *Mineral Ind.* 40, 258–64(1931).—A review of the world's industry, including production, prices and trade. A. BUTTS

Gypsum. W. M. MYERS. *Mineral Ind.* 40, 265–8(1931).—World output and trade are discussed and statistics given. A. BUTTS

Leucite as a source of alumina, potash and silica. GIAN A. BLANC. *Trans. Inst.*