- 77. FRASER, T. Coal in South America. Pan-Am. Inst. Min. and Geol., U. S. Sec., Tech. Paper 6, 1948, 16 pp.
- 78. FRASER, T., AND CRENTZ, W. L. Effect of Mechanical Mining on Preparation Plant Product. Min. Cong. Jour., December 1948, vol. 34, pp. 41-43.
- 79. ORCHIN, M. Work at Israel's Seiff Institute. Chem. Eng. News, vol. 26, No. 40, Oct. 4, 1948, pp. 2956 and 2957.
- 80. PARRY, V. F. Future Prospects for Western Fuel Supply. Western Ind., 1948.
- 81. SCHROEDER, W. C. Comparison of Major Processes for Synthetic Liquid Fuels. Chem. Ind., vol. 62, No. 4, April 1948, pp. 574-577 and 682.
- 82. -- Synthetic Liquid Fuels. Statement at hearing before a subcommittee of the Committee on Interior and Insular Affairs, U. S. Senate, 80th Cong., 2d sess., on S. 134, Jan. 29, 1948, pp. 8-14.
- 83. --- Petroleum for National Defense. Statement at hearings before a special subcommittee on petroleum of the Committee on Armed Services, House of Representatives, 80th Cong., 2d sess., purs. to H. R. 山口 and H. R. 山口, Feb. 23, 1948, pp. 616-629.
- 84. WILEY, J. L., AND ANDERSON, H. C. Synthetic Liquid Fuels Abstracts. Vol. 1, No. 1, January 1948 (bimonthly).
- 85. KRUG, J. Synthetic Liquid Fuels 1948 Annual Report of the Secretary of the Interior. Part I. Oil from Coal. Bureau of Mines Rept. of Investigations 4456, 1949, 62 pp.
- 86. -- Synthetic Liquid Fuels 1948 Annual Report of the Secretary of the Interior. Part II. Oil from Oil Shale. Bureau of Mines Rept. of Investigations 4457, 1949, 56 pp.
- 87. -- Synthetic Liquid Fuels 1948 Annual Report of the Secretary of the Interior. Part III. Liquid Fuels from Agricultural Residues; Part IV. Secondary Recovery and Petroleum Chemistry and Refining Research. Bureau of Mines Rept. of Investigations 4458, 1949, 25 pp.
- 88. -- Synthetic Liquid Fuels Annual Report of the Secretary of the Interior to the Congress of the United States Calendar Year 1948. Summary printed Jan. 17, 1949.

OIL SHALE AND SHALE OIL

- 89. BURROUGHS, E. H. Bibliography of Petroleum and Allied Substances, 1915. Bureau of Mines Bull. 149, 1917, 147 pp.
- 90. DEAN, E. W. Fuel for Automotive Apparatus. Jour. Soc. Auto. Eng., vol. II, No. 1, January 1918, pp. 47-53; Auto. Ind., vol. 38, Jan. 24, 1918, pp. 224-228 and 251; Nat. Petrol. News, vol. 10, Feb. 20, 1918, pp. 34, 36, 38, 40, and 42.
- 91. MANNING, VAN. H. Oil Industry. Oil and Gas Jour., vol. 17, No. 30, 1918, pp. 48-50; Oil and Gas News, vol. 4, No. 17, 1918, pp. 18-24.
- 92. -- Urges Efficient Methods in Production. Nat. Petrol. News, vol. 10, Dec. 11, 1918, pp. 23 and 2h.

93. BUREAU OF MINES. A Symposium on Western Oil Shales. Railroad Red Book, vol. 36, 1919, pp. 543, 545-549, 551, and 552.

94. -- General Information on Oil Shales. Oil and Gas Jour., vol. 17, Feb. 28, 1919, p. 52; Salt Lake Min. Rev., vol. 21, No. 3, 1919, pp. 25 and 26; Railroad Red Book, vol. 36, March 1919, pp. 281-288.

95. BURROUGHS, E. H. Bibliography of Petroleum and Allied Substances, 1916. Bureau of Mines Bull. 165, 1919, 159 pp.

96. DEAN, E. W. Oil Resources Limited. Shale Oil and Alcohol Possible Gasoline Substitute. Chem. Eng., vol. 27, December 1919, p. 313.

97. FIEIDNER, A. C., SELVIG, W. A., AND TAYLOR, G. B. The Determination of Combustible Matter in Silicate and Carbonate Rocks. Bureau of Mines Tech. Paper 212, 1919, 22 pp.

PROC. Am. Min. Cong., vol. 22, 1919, pp. 646-660.

99. JAKOSKY, J. J., AND SIBLEY, F. H. Shale Deposits of the United States Rich in Oil. Oil and Gas Jour., vol. 18, Nov. 7, 1919, pp. 58, 60, and 62-64.

100. BURROUGHS, E. H. Bibliography of Petroleum and Allied Substances, 1917. Bureau of Mines Bull. 180, 1920, 170 pp.

101. COTTRELL, F. G. Relation of the Bureau of Mines to the Oil Industry. Eng. Min. Jour., vol. 110, 1920, pp. 678 and 679.

102. GAVIN, M. J. Oil Shales and Their Economic Importance. Bureau of Mines Rept. of Investigations 2130, 1920, 3 pp. Presented before the Utah Academy of Science, Apr. 3, 1920; Oil and Gas Jour., vol. 19, July 9, 1920, pp. 70 and 71; Oil, Paint, and Drug Reporter, vol. 98, July 12, 1920, Petrol. Sec., p. 11; Min. and Sci. Press, vol. 121, Aug. 7, 1920, pp. 193 and 194; Petrol. Age, vol. 7, August 1920, pp. 62 and 63; Oil News, vol. 8, Aug. 5, 1920, pp. 30 and 31; Eng. Min. Jour., vol. 110, July 31, 1920, p. 220; Petrol. Times, vol. 4, Aug. 21, 1920, pp. 203 and 204; Chem. Met. Eng., vol. 23, Aug. 18, 1920, pp. 289 and 290; Am. Gas Eng. Jour., vol. 113, Aug. 7, 1920, pp. 114 and 115; Oil Age, vol. 16, November 1920, pp. 20-22.

1920, pp. 20-22.

103. -- Possibilities of Producing Oil from Oil Shale. Bureau of Mines Report of Investigations 2176, October 1920, 7 pp. Abstract of paper presented before the Independent Oil Men's Assoc., September 1920; Nat. Petrol. News, vol. 12, Oct. 6, 1920, p. 53.

104. -- Shale Investigations, U. S. Bureau of Mines. Mountain States Mineral Age, vol. 5, September 1920, pp. 16 and 34-37. Presented before Colorado Metal Miners' Assoc., Denver, September 1920.

105. -- The Destructive Distillation of Oil Shales. Railroad Red Book, vol. 37, 1920, pp. 442-445.

106. - - The Necessity for Research in the Oil Shale Industry. Chem. Met. Eng., vol. 23, 1920, pp. 489-495; Sci. and Ind., vol. 2, 1920, pp. 746-760.

- 107. GAVIN, M. J., AND SHARP, L. H. Investigation of the Fundamentals of Oil-Shale Retorting. Bureau of Mines Rept. of Investigations 21h1, 1920, h pp.; Oil Age, vol. 16, August 1920, pp. 25-28; Petrol. Age, vol. 7, August 1920, pp. 6h and 65; Railroad Red Book, vol. 37, August 1920, pp. 729 and 731; Oil and Gas Jour., vol. 19, Aug. 13, 1920, pp. 9h and 95; Chem. Age, vol. 28, August 1920, pp. 293 and 29h; Nat. Gas and Gasoline Jour., vol. 1h, July 1920, pp. 211 and 212; Colorado Sch. Mines Mag., vol. 10, September 1920, pp. 178 and 179; Petrol. World (London), vol. 17, September 1920, pp. 373 and 37h; Shale Revue, vol. 2, August 1920, p. 7.
- 108. ---- Some Physical and Chemical Data on Colorado Oil Shale.

 Bureau of Mines Rept. of Investigations 2152, August 1920, 8 pp.;

 Eng. Min. Jour., vol. 110, Sept. 18, 1920, pp. 579 and 580; Oil and Gas Jour., vol. 19, Oct. 1, 1920, pp. 86-88; Gas Age, vol. 16, Sept. 25, 1920, pp. 219 and 220; Oil, Paint, and Drug Reporter, vol. 98, Sept. 13, 1920, Petrol. Sec., pp. 28 and 29; Oil News, vol. 8, Nov. 5, 1920, pp. 27-29.

109. JAKOSKY, J. J. The Factors Influencing the Maximum Eduction of Oil and the Recovery of Shale Oil and Byproducts. Oil and Gas News, vol. 7, No. 18, 1920, pp. 36-43.

110. KARRICK, L. C., AND JAKOSKY, J. J. Problems in the Production of Oil Shale. Salt Lake Min. Rev., vol. 22, Sept. 30, 1920, pp. 25-27.

111. LEWIS, J. O. Relation of the Bureau of Mines to the Oil-Shale Industry. Eng. Min. Jour., vol. 110, 1920, pp. 628 and 629.

112. MANNING, VAN. H. Shale Oil Only Real Substitute for Crude Petroleum. Oil, Paint, and Drug Reporter, July 5, 1920, Petrol. Sec., p. 9.

113. VARLEY, T. Oil Shales and Their Possibilities. Univ. of Utah Bull. 13, Extension Division Series, vol. 2, No. 6, 1920, 8 pp.

114. AMBROSE, A. W. Possible Substitute for Gasoline. California Oil World, sec. 2, vol. 13, No. 662, May 26, 1921, pp. 82 and 83.

115. BURROUGHS, E. H. Bibliography of Petroleum and Allied Substances, 1918. Bureau of Mines Bull. 189, 1921, 180 pp.

116. BURROUGHS, E. H., AND GAVIN, M. J. Selected Bibliography on Oil Shale. Bureau of Mines Rept. of Investigations 2277, 1921, 66 pp.

117. GAVIN, M. J. Past, Present, and Future of the Shale-Oil Industry. California Oil World, vol. 13, 2d sec., 1921, pp. 84 and 85.

118. GAVIN, M. J., AND KARRICK, L. C. Nature of Shale Oil Obtained from Oil-Shale Assay Retort Used by the Bureau of Mines. Bureau of Mines Rept. of Investigations 2254, June 1921, 11 pp.; Oil, Paint and Drug Reporter, vol. 100, July 4, 1921, Petrol. Sec., p. 8; Salt Lake Min. Rev., vol. 23, July 15, 1921, p. 17; Shale Rev., vol. 3, July 1921, p. 5; Petrol. Times, vol. 6, July 23, 1921, p. 138.

119. GAVIN, M. J., AND SHARP, L. H. Short Papers from the Cooperative Oil-Shale Laboratory. State of Colorado Cooperative Oil Shale

Investigations, Bull. 1, 1921, 68 pp.

- 120. GAVIN, M. J., HILL, H. H., AND PERDEW, W. E. Notes on the Oil-Shale Industry, with Particular Reference to the Rocky Mountain District. Bureau of Mines Rept. of Investigations 2256, 1921, 36 pp.
- 121. ---- Present Status of American Oil-Shale Development. Chem. Age, vol. 29, No. 8, 1921, pp. 305-310.
- 122. KARRICK, L. C. A Convenient and Reliable Retort for Assaying Oil Shales for Oil Yield. Bureau of Mines Rept. of Investigations 2229, 1921, 7 pp.; Salt Lake Min. Rev., vol. 22, Mar. 30, 1921, pp. 21-23; Oil and Gas Jour., vol. 19, Apr. 29, 1921, pp. 78 and 80; Eng. Min. Jour., vol. 111, Apr. 30, 1921, p. 753; Min. and Met., May 1921, pp. 46 and 47; Sci. Am. Monthly, vol. 3, June 1921, pp. 569 and 570; Lub. World, vol. 4, May-June 1921, pp. 16-19.
- 123. KARRICK, L. C., AND JAKOSKY, J. J. Production of Shale Oil. Salt Lake Min. Rev., 1921.
- 124. MURRAY, A. L. Sanitation in Planning and Developing Oil-Shale Camps. Bureau of Mines Rept. of Investigations 2265, 1921, 7 pp.
- 125. SHARP, L. H., AND STRUNK, A. T. Some Items of Investment, Expense, and Profit in Commercial Shale-Oil Production. Bureau of Mines Rept. of Investigations 2214, 1921, 3 pp; Oil Trade Jour., vol. 12, March 1921, p. 62; Chem. Age, vol. 29, February 1921, pp. 69 and 70; Oil, Paint, and Drug Reporter, vol. 99, Feb. 21, 1921, Petrol. Sec., p. 9; Oil Age, vol. 17, April 1921, p. 29; Eng. Min. Jour., vol. 111, Apr. 2, 1921, p. 595.
- 126. THIESSEN, R. Origin and Composition of Certain Oil Shales. Econ. Geol., vol. 16, 1921, pp. 289-300; Bull. Geol. Soc. America, vol. 32, 1921, p. 72; Petrol. Times, vol. 6, Oct. 29, 1921, pp. 617 and 618.
- 127. GAVIN, M. J. Analytical Distillations of Typical Shale Oils.

 Bureau of Mines Rept. of Investigations 2332, 1922, 12 pp.
- 128. -- Oil Shale; An Historical, Technical, and Economic Study. State of Colorado Cooperative Oil-Shale Investigations, Bureau of Mines Bull. 210, 1922, 201 pp., 35 cents; Petrol. World (London), vol. 20, March 1923, pp. 105 and 106; Oil Age, vol. 19, Feb. 7, 1923, pp. 14-16; Petrol Times, vol. 9, Mar. 17, 1923, pp. 393 and 394; Oil Field Eng., vol. 25, June 1923, pp. 122 and 123; Ind. Australian and Min. Stand., vol. 69, Apr. 26, 1923, pp. 665 and 666.
- GAVIN, M. J., AND AYDELOTTE, J. T. Solubility of Oil Shales in Solvents for Petroleum. Bureau of Mines Rept. of Investigations 2313, 1922, 4 pp.; Petrol. Ref., vol. 10, Jan. 19, 1922, p. 29; Oil Field Eng., vol. 24, January 1922, pp. 20 and 21; Salt Lake Min. Rev., vol. 23, Feb. 28, 1922, pp. 17 and 18; Eng. Min. Jour., vol. 113, Mar. 4, 1922, p. 369.
- 130. KARRICK, L. C. Some Factors Affecting Products from Destructive Distillation of Oil Shales. Bureau of Mines Rept. of Investigations 2324, 1922, 5 pp.; Chem. Age, vol. 30, March 1922, pp. 112 and 114.

131. REEVES, J. R. A Section Through the New Albany Shale. Bureau of Mines Rept. of Investigations 2425, 1922, 5 pp.

132. - - The New Albany Shale of Indiana. Bureau of Mines Rept. of

Investigations 2390, 1922, 8 pp.

- 133. VARLEY, T. Mines Bureau Investigates Gold in Oil Shale and Explains Methods Used to Obtain Results. Salt Lake Min. Rev., vol. 24, Nov. 30, 1922, pp. 9-12: Bureau of Mines Investigates Gold in Oil Shales and Its Possible Recovery; Oil Field Eng., vol. 25, February 1923, pp. 26-30.
- 134. BURROUGHS, E. H. Bibliography of Petroleum and Allied Substances, 1919 and 1920. Bureau of Mines Bull. 216, 1923, 374 pp.

135. - - Bibliography of Petroleum and Allied Substances, 1921.
Bureau of Mines Bull. 220, 1923, 230 pp.

136. GAVIN, M. J. Economic Importance of Shale. Mt. States Min. Age, vol. 8, March 1923, p. 16.

137. - - The Scottish Oil-Shale Industry. Petrol. Times, vol. 9, Feb. 17, 1923, pp. 245-247; Feb. 24, 1923, pp. 285-287; Mar. 3, 1923, pp. 323 and 324.

138. JOKOSKY, J. J. Uses of Water in the Oil Shale Industry with Particular Reference to Engineering and Sanitary Requirements, with a chapter on the "Sanitation of Oil Shale Camps," by A. L. Murray. Bureau of Mines Tech. Paper 324, 1923, 57 pp. 10 cents.

- 139. KARRICK, L. C. Effects of Temperature and Time of Reaction in Distilling Oil Shales on the Yields and Properties of the Crude Oils. Bureau of Mines Rept. of Investigations 2456, 1923, 8 pp.; Petrol. World (London), vol. 20, May 1923, pp. 187-191; Petrol. Times, vol. 9, May 26, 1923, pp. 751 and 752; vol. 10, Sept. 8, 1923, pp. 367 and 368; Oil News, vol. 11, Apr. 5, 1923, pp. 32, 33, and 38; Railroad Red Book, vol. 40, July 1923, pp. 695-698; August 1923, pp. 759-762; Oil Field Eng., vol. 25, July 1923, pp. 156, 158, 159, and 164; Min. Cong. Jour., vol. 9, July 1923, p. 252.
- LLO. KARRICK, L. C., AND PARRY, V. F. Shale Oils, Shale-Oil Distillates, and Petrolatums; Melting Point. Ind. Eng. Chem., vol. 15, 1923, pp. 600-602.

lil. REEVES, J. R. An Economic Study of the New Albany Shale. Bureau of Mines Rept. of Investigations 2466, 1923, 19 pp.

2. -- Results of Assays of the New Albany Oil Shale. Bureau of Mines Rept. of Investigations 2492, 1923, 11 pp.

143. WILSON, H. The Clays and Shales of Washington; Their Technology and Uses. Univ. Washington Eng. Exp. Sta. Bull. 18, October

1923, 224 pp.

LLLL. BUREAU OF MINES. World Production of Oil Shales and Shale Oils.

Mineral Resources of U. S. Part II, Nonmetals, 1924, pp. 456-458;
1925, pp. 379 and 380; 1926, pp. 415 and 416; 1927, pp. 590-592;
1928, p. 703; 1929, pp. 519 and 520; 1930, p. 875; 1931, p. 669.

145. FINLEY, W. L., HORNE, J. W., GOULD, D. W., AND BAUER, A. D. Assay-Retort Studies of Ten Typical Oil Shales. Bureau of Mines Rept. of Investigations 2603, 1924, 9 pp.

- 146. GAVIN, M. J., AND KARRICK, L. C. Fractional "Eduction" of Oil from Oil Shale. Bureau of Mines Rept. of Investigations 2588, 1924, 9 pp.; Oil and Gas Jour., vol. 23, Apr. 17, 1924, pp. 94, 96, and 98.
- 147. MAIER, C. G., AND ZIMMERLEY, S. R. Chemical Dynamics of the Transformation of the Organic Matter to Bitumen in Oil Shale. Univ. of Utah Bull. 14, 1924, pp. 62-81.
- 148. MAIER, C. G., AND DRAPEAU, J. E. Effect of Various Gases on the Recovery of Ammonia from Oil Shale. Univ. of Utah Bull. 14, 1924, pp. 42-61.
- 149. GAVIN, M. J. Basic Factors of the Shale Oil Industry. Chap. 9 in "Shale Oil" by Ralph H. McKee, Am. Chem. Soc. Monograph Series, Chemical Catalog Co., New York, 1925, pp. 132-149.
- 150. -- Shale Oil Question of Economics as Well as of Technical Problems. Oil and Gas Jour., vol. 24, Oct. 15, 1925, pp. 114 and 115.
- 151. KARRICK, L. C. Fundamental Factors in Analyzing and Evaluating Oil Shales, chap. 5 in ref. 149, pp. 90-105.
- 152. ALLISON, V. C., AND BAUER, A. D. Explosibility of Oil-Shale
 Dust. Bureau of Mines Rept. of Investigations 2758, 1926, 8 pp.
- 153. BOWIE, C. P. The Bowie-Gavin Process, Its Application to the Cracking of Tars and Heavy Oils; Also to the Recovery of Oil from Oil-Soaked Sands or Shales, or from Oil Shales. Bureau of Mines Tech. Paper 370, 1926, 42 pp.
- 154. FINLEY, W. L., AND BAUER, A. D. Coking of Oil Shales. Bureau of Mines Tech. Paper 398, 1926, 10 pp.
- 155. GAVIN, M. J. Results at Government Oil Shale Testing Plant.
 Min. and Met., vol. 7, 1926, pp. 480-482.
- 156. KARRICK, L. C. Manual of Testing Methods for Oil Shale and Shale Oil. Bureau of Mines Bull. 249, 1926, 70 pp.
- 157. HORNE, J. W., AND BAUER, A. D. Comparison of Oils Derived from Coal and from Oil Shale. Bureau of Mines Rept. of Investigations 2832, 1927, 3h pp.
- 2832, 1927, 34 pp.
 158. KRAEMER, A. J. The Motor-Fuel Situation. Bureau of Mines Inf.
 Circ. 6015, 1927, 5 pp.
- 159. BUREAU OF MINES. Production of Oil from Oil Shale. Appendix II, Rept. II; Federal Oil Conservation Board to the President of the United States, 1928, pp. 15-20.
- 160. CASH, F. E., AND VON BERNEWITZ, M. W. Can Oil Shale Be Mined by Stripping Methods? Min. Cong. Jour., vol. 14, 1928, pp. 665-668 and 733.
- 161. GAVIN, M. J. Experimental Oil-Shale Plant of the Bureau of Mines. Ind. Eng. Chem., vol. 20, 1928, pp. 784-791: The Bureau of Mines Oil-Shale Experimental Plant; Min. Cong. Jour., vol. 15, 1929, pp. 191-196 and 200.
- 162. --- The Oil-Shale Industry. Eng. Min. Jour., vol. 125, Jan. 28, 1928, p. 167.

- 163. HILL, H. H. Shale and the Production of Oil from Shale. Trans.
 Fuel Conf., World Power Conf., London, vol. 1, Sept. 24-Oct. 6,
 164. BRITTON H. Biblio and C. D. London, vol. 2, Sept. 24-Oct. 6,
- 164. BRITTON, H. Bibliography of Petroleum and Allied Substances, 1922 and 1923. Bureau of Mines Bull. 290, 1929, 667 pp.
- 165. GAVIN, M. J. Oil Shale. Eng. Min. Jour., vol. 127, 1929, pp. 100
- 166. GAVIN, M. J., AND DESMOND, J. S. Construction and Operation of the Bureau of Mines Experimental Oil-Shale Plant, 1925-1927. Bureau of Mines Bull. 315, 1930, 154 pp.
- 167. HORNE, J. W., AND SHIREY, W. B. Apparatus for Determination of Hydrogen Sulfide in Gases. Bureau of Mines Rept. of Investigations 3135, 1931, 6 pp.
- 168. BUREAU OF MINES. World Production of Oil Shales and Shale Oils. Minerals Yearbook, Statistical Appendix, 1934, p. 278; 1935, p. 440; 1936, p. 702; 1937, p. 1048; 1938, pp. 895 and 896.
- 169. KRAEMER, A. J. Review of the Petroleum Industry in the United States. Gasoline Substitutes from Oil Shale, pp. 42-45; Alcohol as a Motor Fuel, pp. 45-49; Geol. Survey Circ. 11, April 1934, compiled by Hale B. Soyster.
- 170. --- Petroleum Investigation. Statement at hearings before a subcommittee of the Committee on Interstate and Foreign Commerce, House of Representatives, 73d Cong. (Recess), on H. R. 141, Sept. 17-22, 1934. Effect of Technologic Factors on Supply of and Demand for Petroleum Products, pp. 1313-1390.
- 171. CARLSON, A. J. Inorganic Environment in Kerogen Transformation.
 Univ. of California, Pub. in Eng., vol. 3, No. 6, 1937, hh pp.
- 172. GUTHRIE, B. Studies of Certain Properties of Oil Shale and Shale Oil. Bureau of Mines Bull. 415, 1938, 159 pp.
- 173. KRAEMER, A. J. Oil Shale and Shale Oil. A Brief Review of Work of the United States Bureau of Mines. Oil Shale and Cannel Coal, Proc. of Conf. in Scotland, June 1938, Inst. Petrol., London, 1938, pp. 227-247.
- 174. CATTELL, R. A., AND OTHERS. Annual Report of the Petroleum and Natural Gas Division, Fiscal Year 1939. Bureau of Mines Rept. of Investigations 3501, 1940, hl pp.
- 175. GARDNER, E. D., AND BELL, C. N. Proposed Methods and Estimated Costs of Mining Oil Shale at Rulison, Colo. Bureau of Mines Inf. Circ. 7218, 1942, 59 pp.; Oil and Gas Jour., vol. 41, No. 36, 1943, pp. 47-49.
- 176. KRAEMER, A. J. Availability and Cost of Production of Shale Oil in the United States. Ref. 35, pp. 1524-1536.
- 177. BARB, C. F. Review of Geology and Field Work. BALL, J. O. Survey of Bitumen Analyses and Extraction Methods. Quarterly, Colorado School of Mines, vol. 39, No. 1, January 1914, Hydrocarbons of the Uinta Basin of Utah and Colorado, 115 pp.
- 178. BAXTER, R. A. Oil Shale in Carbon Minerals Technology. Mines Mag., vol. 33, No. 10, 1943, pp. 545-548.

- 179. BAXTER, R. A., AND BUELL, A. W. Colorado Oil Shale. Mines Mag., vol. 34, No. 9, 1944, pp. 493-495.
- 180. PLUMMER, F. B., AND GRANT, B. Oil Shale of Central Texas. Oil and Gas Jour., vol. 43, No. 22, Oct. 7, 1944, pp. 66-70.
- 181. BALL, J. O. Oil Shales of the West. Compressed Air Mag., vol. 50, No. 6, 1945, pp. 156-160.
- 182. BARDGETT, H., ODELL, W. W., BALDESCHWIELER, E. L., NEWMAN, L. L., AND SMITH, R. H. Oil Recovery from Württemberg Shale. C.I.O.S. File XXX-18, item 30, 1945, 34 pp.; O.P.B. Rept. 23, p. 735.
- 183. ICKES, H. L. Report of the Secretary of the Interior on the Synthetic Liquid Fuels Act from January 1, 1945, to December 31, 1945, pp. 4, 5, 7, and 21-44.
- 184. KRAEMER, A. J., AND BUCHAN, F. E. Development of Oil-Shale Resources Undertaken by U. S. Bureau of Mines. Chem. Eng. News, vol. 23, No. 17, 1945, pp. 1523-1527.
- 185. KRAEMER, A. J., AND RUE, H. P. The Bureau of Mines Oil-Shale Program. 1945 Min. Year Book, Colorado Min. Assoc., pp. 40-43.
- 186. ODELL, W. W., AND BALDESCHWIELER, E. L. French Oil-Shale Industry. C.I.O.S. Rept. XXVI-78, 1945; Petrol. Times, vol. 50, Feb. 2, 1946, p. 118.
- 187. GUTHRIE, B., AND RUARK, J. R. Bureau of Mines Oil-Shale Demonstration Plant Program. Bull. California Sec. Am. Chem. Soc., vol. 7, No. 8, 1946, pp. 418-436.
- 188. KRUG, J. Report of the Secretary of the Interior on the Synthetic Liquid Fuels Act, Jan. 1, 1946, to Dec. 31, 1946, pp. 2 and 7-11; Oil-Shale Research and Development, pp. 43-60; Oil-Shale Demonstration Plant, pp. 61-68; Oil-Shale Mining, pp. 68-78.
- 189. KLOSKY, S. Century of Oil-Shale Patents (1845-1945). Chem. Eng. News, vol. 24, No. 17, 1946, pp. 2342-2344.
- 190. ODELL, W. W., AND BALDESCHWIELER, E. L. European Shale-Treating Practice. Bureau of Mines Inf. Circ. 7348, 1946, 70 pp.
- 191. STANFIELD, K. E., AND FROST, I. C. Method of Assaying Oil Shale by a Modified Fischer Retort. Bureau of Mines Rept. of Investigations 3977, 1946, 11 pp.
- 192. PETROLEUM ENGINEER. Oil-Shale Demonstration Plant, vol. 18, No. 11, July 1947, pp. 87-99.
- 193. BELSER, C. Oil-Shale Resources of Colorado, Utah, and Wyoming. Pres. at annual meeting, Petrol. Sec., Am. Inst. Min. and Met. Eng., Denver, Colo., Sept. 29-Oct. 1, 1947, 6 pp.
- 194. CATTELL, R. A. Bureau of Mines Research on the Production of Liquid Fuels from Cil Shale. Interstate Oil Compact Quart. Bull., vol. 6, No. 2, 1947, pp. 26-31.
- 195. DINNEEN, G. U., BAILEY, C. W., SMITH, J. R., AND BALL, J. S. Shale-Oil Naphthas; Analysis of Small Samples by the Silica Gel Adsorption Method. Ind. Eng. Chem. (Anal. Ed.), vol. 19, No. 12, 1947, pp. 992-998.