M. Cooper

A Selected Bibliography on Quicksilver 1811-1953

GEOLOGICAL SURVEY BULLETIN 1019-A

A Selected Bibliography on Quicksilver 1811-1953

By M. JANE EBNER

A CONTRIBUTION TO BIBLIOGRAPHY OF MINERAL RESOURCES

GEOLOGICAL SURVEY BULLETIN 1019-A

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1954

UNITED STATES DEPARTMENT OF THE INTERIOR

Douglas McKay, *Secretary*

GEOLOGICAL SURVEY

W. E. Wrather, *Director*

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price 25 cents (paper cover)

CONTENTS

	Page
Introduction	1
Bibliography	3
U. S. Geological Survey publications and open-file reports	3
U. S. Bureau of Mines publications	9
Publications of state organizations	12
Publications in scientific and professional journals	18
Foreign publications	29
Miscellaneous reports	47
Subject index	51
Author index	57

A CONTRIBUTION TO BIBLIOGRAPHY OF MINERAL RESOURCES

A SELECTED BIBLIOGRAPHY ON QUICKSILVER

By M. Jane Ebner

INTRODUCTION

This bibliography includes publications relating to the geology, mining, and metallurgy of quicksilver. The reports are grouped into the following categories: U. S. Geological Survey publications and open-file reports, U. S. Bureau of Mines publications, publications by state organizations, publications in scientific and professional journals, foreign publications, and miscellaneous publications. They are numbered consecutively from 1 to 908, and these numbers refer to the reports in the author and subject indexes found at the end of the bibliography.

Those reports that contain little information on quicksilver are excluded from the bibliography. Abstracts of reports and presentations of papers are omitted also. Most publications relating to the production of quicksilver are not included, but agencies and monthly publications that release information on production are listed at the end of each category.

U. S. Geological Survey publications for which prices are designated can be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. Those preceded by an asterisk (*) are out of print, but they can probably be seen in many university and public libraries. Open-file reports and preliminary reports are not available in all libraries, but copies have been placed in the Geological Survey Library, Washington, D. C., and in a few other Geological Survey offices. Limited distribution reports may be obtained, if still available, from the U. S. Geological Survey, Washington 25, D. C.

BIBLIOGRAPHY

U. S. GEOLOGICAL SURVEY PUBLICATIONS AND OPEN-FILE REPORTS

[An asterisk (*) indicates that the paper is out of print]

Index no.

1 Bailey, E. H., 1942, Quicksilver deposits of the Parkfield district, Calif.: U. S. Geol. Survey Bull. 936–F, p. 143–169, pls. 17–20. 35c.

2 ——— 1950, Some exploration possibilities at the New Almaden quicksilver mine, Santa Clara County, Calif.: U. S. Geol. Survey open-file rept., map, section, and explanatory text.

3 ——— 1952, Eleven maps of the New Almaden quicksilver mine area: U. S. Geol. Survey open-file rept., no text.

4 Bailey, E. H., and Everhart, D. L., 1949, The New Almaden quicksilver mine, Santa Clara County, Calif.: U. S. Geol. Survey open-file rept., 2 index maps, 20 large-scale geologic maps, and brief explanatory text.

5 Bailey, E. H., and Myers, W. B., 1942, Quicksilver and antimony deposits of the Stayton district, Calif.: U. S. Geol. Survey Bull. 931–Q, p. 405–434, pls. 64–67. 40c.

6 *Bancroft, Howland, 1910, Notes on the occurrence of cinnabar in central western Arizona: U. S. Geol. Survey Bull. 430, p. 151–153.

7 *——— 1911, Reconnaissance of the ore deposits in northern Yuma County, Ariz.: U. S. Geol. Survey Bull. 451, p. 44–45.

8 Bath, G. D., and Cook, K. L., 1949, Preliminary report on a geophysical survey of a part of the Josephine Creek area, Ochoco quicksilver district, Oregon: U. S. Geol. Survey open-file rept., 10 p.

9 *Becker, G. F., 1884, Geology of quicksilver: U. S. Geol. Survey 4th Ann. Rept., 1882–83, p. 40–41.

10 *——— 1888, Geology of the quicksilver deposits of the Pacific slope, with an atlas: U. S. Geol. Survey Mon. 13, 486 p.

11 *——— 1889, Summary of the geology of the quicksilver deposits of the Pacific slope: U. S. Geol. Survey 8th Ann. Rept., 1886–87, pt. 2, p. 961–985.

12 *——— 1889, Investigations of quicksilver deposits of the Pacific slope: U. S. Geol. Survey 9th Ann. Rept., 1887–88, p. 100–101.

13 *——— 1893, Quicksilver ore deposits: Min. Res. U. S., 1892, p. 139–168.

14 *Brooks, A. H., 1911, Geologic features of Alaska metalliferous lodes: U. S. Geol. Survey Bull. 480, p. 93.

15 *——— 1914, Mineral deposits of Alaska: U. S. Geol. Survey Bull. 592, p. 36–37.

16 *——— 1916, The Alaskan mining industry in 1915 [Iditarod district, antimony-cinnabar lodes]: U. S. Geol. Survey Bull. 642, p. 66.

17 *——— 1916, Antimony deposits of Alaska: U. S. Geol. Survey Bull. 649, p. 9, 12, 45–46.

Index no.

18 *Brooks, A. H., 1921, Mineral resources of Alaska, 1919: U. S. Geol. Survey Bull. 714, p. 39–40.

19 *——— 1921, The Alaskan mining industry in 1920: U. S. Geol. Survey Bull. 722, p. 23–24.

20 *——— 1922, The Alaskan mining industry in 1921: U. S. Geol. Survey Bull. 739, p. 13.

21 Brown, R. E., and Waters, A. C., 1951, Quicksilver deposits of the Bonanza-Nonpareil district, Douglas County, Oreg.: U. S. Geol. Survey Bull. 955–F, p. 225–251. $1.

22 *Butler, B. S., Loughlin, G. F., Heikes, V. C., and others, 1920, The ore deposits of Utah: U. S. Geol. Survey Prof. Paper 111, p. 106, 107, 144, 177, 395, 542, 551–552, 566.

23 Cady, W. M., 1952, Quicksilver deposit near Aleknagik, Nushagak district, southwestern Alaska: U. S. Geol. Survey open-file rept., text and 3 figs.

24 Cady, W. M., and Hickcox, C. A., 1944, Quicksilver deposits in the Cinnabar Creek area, Georgetown and Akiak districts, southwestern Alaska: U. S. Geol. Survey prelim. rept., 7 p., 4 maps.

25 *Christy, S. B., 1885, Quicksilver: Quicksilver reduction at New Almaden [Calif.]: Min. Res. U. S., 1883 and 1884, p. 503–536.

26 *Clarke, F. W., The data of geochemistry: U. S. Geol. Survey Bull. 330, p. 17, 572–577, 1908; 2d ed., Bull. 491, p. 18, 633–638, 1911; 3d ed., Bull. 616, p. 18, 664–669, 1916; 4th ed., Bull. 695, p. 18, 670–675, 1920; 5th ed., Bull. 770, p. 680–685, 1924.

27 *Dane, C. H., and Ross, C. P., 1942, The Wild Horse quicksilver district, Lander County, Nev.: U. S. Geol. Survey Bull. 931–K, p. iii, 259–278.

28 *Diller, J. S., 1898, Quicksilver, *in* Description of the Roseburg quadrangle [Oreg.]: U. S. Geol. Survey Geol. Atlas, folio 49, p. 4.

29 *——— 1914, Mineral resources of southwestern Oregon: U. S. Geol. Survey Bull. 546, p. 129.

30 *Diller, J. S., and Kay, G. F., 1909, Mineral resources of the Grants Pass quadrangle and bordering districts, Oregon: U. S. Geol. Survey Bull. 380, p. 79, 1 map.

31 *Eberlain, G. D., and Yates, R. G., 1944, The Harry area of the New Almaden quicksilver mine, Santa Clara County, Calif.: U. S. Geol. Survey limited distribution rept., 2 p., 3 maps.

32 Eckel, E. B., Yates, R. G., and Granger, A. E., 1941, Quicksilver deposits in San Luis Obispo County and southwestern Monterey County, Calif.: U. S. Geol. Survey Bull. 922–R, p. v, 515–580. 75c.

33 *Emmons, W. H., 1917, The enrichment of ore deposits: U. S. Geol. Survey Bull. 625, p. 392–393.

34 *Emmons, W. H., and Calkins, F. C., 1913, Geology and ore deposits of the Philipsburg quadrangle, Montana: U. S. Geol. Survey Prof. Paper 78, p. 154.

35 *Endlich, F. M., 1878, Catalog of minerals found in Colorado [mercury]: U. S. Geol. and Geog. Survey Terr. 10th Ann. Rept., 1888–89, p. 146.

36 *Evans, I. P., 1919, Bibliography of quicksilver in North America: Min. Res. U. S. 1917, pt. 1, p. 425–455.

Index no.

37 *Evans, I. P., 1919, 1921, 1922, 1922, 1923, Recent publications on quicksilver in North America: Min. Res. U. S., 1918, pt. 1, p. 179–182; 1919, pt. 1, p. 177–180; 1920, pt. 1, p. 437–439; 1921, pt. 1, p. 117–120; 1922, pt. 1, p. 121–124.

38 *Foshag, W. F., 1927, Quicksilver deposits of the Pilot Mountains, Mineral County, Nev.: U. S. Geol. Survey Bull. 795, p. 113–123.

39 Gallagher, David, 1942, Quicksilver deposits near the Little Missouri River, Pike County, Ark.: U. S. Geol. Survey Bull. 936–H, p. iii, 189–219. 55c.

40 ——— 1952, Geology of the quicksilver deposits of Canoas, Zacatecas, Mexico: U. S. Geol. Survey Bull. 975–B, p. 47–85. $1.

41 Gallagher, David, and Pérez Siliceo, Rafael, 1946, Geology of the Cuarento mercury district, State of Durango, Mexico: U. S. Geol. Survey Bull. 946–F, p. 155–168. 30c.

42 ——— 1948, Geology of the Huahuaxtla mercury district, State of Guerrero, Mexico: U. S. Geol. Survey Bull. 960–E, p. iii, 149–175. 55c.

43 *Gannett, Henry, 1884, Detailed topographic work; maps of the quicksilver mining districts of California: U. S. Geol. Survey 4th Ann. Rept. 1882–83, p. 4–6.

44 *Gilluly, James, 1932, Geology and ore deposits of the Stockton and Fairfield quadrangles, Utah: U. S. Geol. Prof. Paper 173, p. 132–139.

45 *Gilluly, James, Reed, J. C., and Parks, C. F., Jr., 1933, Some mining districts of eastern Oregon: U. S. Geol. Survey Bull. 846–A, p. 121–123.

46 *Hague, Arnold, 1870, Chemistry of the Washoe process; chemical action of mercury and other reagents: U. S. Geol. Expl. 40th Par. Rept., v. 3, p. 273–293.

47 *Harrington, G. L., 1919, The gold and platinum placers of the Tolstoi district [Alaska]: U. S. Geol. Survey Bull. 692–F, p. 350.

48 *Hawkes, H. E., Jr., Wells, F. G., and Wheeler, D. P., Jr., 1942, Chromite and quicksilver deposits of the Del Puerto area, Stanislaus County, Calif.: U. S. Geol. Survey Bull. 936–D, p. iv, 79–110.

49 *Hess, F. L., 1906, Magnesite deposits of California: U. S. Geol. Survey Bull. 285, p. 388.

50 *Hewett, D. F., 1931, Geology and ore deposits of the Goodsprings quadrangle, Nevada: U. S. Geol. Survey Prof. Paper 162, p. 79, 81–82, 133.

51 *Hill, J. M., 1912, The mining districts of the western United States, with a geologic introduction by Waldemar Lindgren: U. S. Geol. Survey Bull. 507, 309 p.

52 *Hillebrand, W. F., and Schaller, W. T., 1909, The mercury minerals from Terlingua, Tex.: U. S. Geol. Survey Bull. 405, 174 p.

53 *Knopf, Adolph, 1916, Some cinnabar deposits in western Nevada: U. S. Geol. Survey Bull. 620–D, p. 59–64.

54 *——— 1924, Geology and ore deposits of the Rochester district, Nevada: U. S. Geol. Survey Bull. 762, p. 53–54.

55 *Larsen, E. S., and Livingston, D. C., 1920, Geology of the Yellow Pine cinnabar-mining district, Idaho: U. S. Geol. Survey Bull. 715, p. 73–83.

296633—54——2

Index no.

56 *Lawson, A. C., 1914, Quicksilver, *in* Description of the San Francisco district: U. S. Geol. Survey Geol. Atlas, folio 193, p. 22.

57 *Lindgren, Waldemar, 1896, The gold-quartz veins of Nevada City and Grass Valley districts, California: U. S. Geol. Survey 17th Ann. Rept. 1895–96, pt. 2, p. 119.

58 *——— 1901, The gold belt of the Blue Mountains of Oregon: U. S. Geol. Survey 22d Ann. Rept., 1900–1901, pt. 2, p. 604, 642, 683, 708.

59 *——— 1915, Geology and mineral deposits of the National mining district, Nevada: U. S. Geol. Survey Bull. 601, p. 14, 15, 47, 48.

60 *Lindgren, Waldemar, and Turner, H. W., 1894, Quicksilver deposits, *in* Description of the Placerville sheet [Calif.]: U. S. Geol. Survey Geol. Atlas, folio 3, p. 3.

61 *——— 1895, Quicksilver, *in* Description of the Smartsville sheet [Calif.]: U. S. Geol. Survey Geol. Atlas, folio 18, p. 6.

62 *McAllister, J. F., and Hernández Ortiz, David, 1945, Quicksilver-antimony deposits of Huitzuco, Guerrero, Mexico: U. S. Geol. Survey Bull. 946–B, p. iv, 49–71.

63 McAllister, J. F., Flores W., Héctor, and Ruiz F., Carlos, 1950, Quicksilver deposits of Chile: U. S. Geol. Survey Bull. 964–E, p. 361–400 [1951]. 75c.

64 *McCaskey, H. D., 1912, Quicksilver—Deposits, ores, and gangues: Min. Res. U. S., 1911, pt. 1, p. 889–921.

65 *——— 1917, Quicksilver—Methods of treatment: Min. Res. U. S., 1915, pt. 1, p. 263–266.

66 *Melville, W. H., 1891, Metacinnabarite from New Almaden, Calif.: U. S. Geol. Survey Bull. 78, p. 80–83.

67 *Melville, W. H., and Lindgren, Waldemar, 1890, Contributions to the mineralogy of the Pacific coast: U. S. Geol. Survey Bull. 61, p. 11–22.

68 *Mertie, J. B., Jr., 1922, The occurrence of metalliferous deposits in the Yukon and Kuskokwim regions, Alaska: U. S. Geol. Survey Bull. 739, p. 157.

69 *Mertie, J. B., Jr., and Harrington, G. L., 1916, Mineral resources of the Ruby-Kuskokwim region: U. S. Geol. Survey Bull. 642, p. 237–238, 258–259, 263.

70 *Overbeck, R. M., 1920, Placer mining in the Tolovana district [Alaska]: U. S. Geol. Survey Bull. 712, p. 183.

71 *Pardee, J. T., 1930, Deposits of gold, copper, quicksilver, and associated metals in western Oregon: U. S. Dept. of Interior Press Notice 45355, 14 p.

72 Phoenix, D. A., and Cathcart, J. B., 1952, Quicksilver deposits in the southern Pilot Mountains, Mineral County, Nev.: U. S. Geol. Survey Bull. 973–D, p. 143–171. 50c.

73 *Powell, J. W., 1888, Investigations of quicksilver deposits [in eastern California and western Nevada]: U. S. Geol. Survey 7th Ann. Rept., 1885–86, p. 25–26.

74 *Prindle, L. M., 1909. The Fortymile quadrangle, Yukon-Tanana region, Alaska: U. S. Geol. Survey Bull. 375, p. 32.

Index no.

75 *Ransome, F. L., 1900, Quicksilver, *in* Description of the Mother Lode district [Calif.]: U. S. Geol. Survey Geol. Atlas, folio 63, p. 10.

76 *——— 1907, Preliminary account of Goldfield, Bullfrog, and other mining districts in southern Nevada: U. S. Geol. Survey Bull. 303, p. 36.

77 *——— 1909, Notes on some mining districts in Humboldt County, Nev.: U. S. Geol. Survey Bull. 414, p. 30, 37, 45, 65, 71.

78 *——— 1909, The geology and ore deposits of Goldfield, Nev.: U. S. Geol. Survey Prof. Paper 66, p. 108, 113.

79 *——— 1916, Quicksilver deposits of the Mazatzal Range, Ariz.: U. S. Geol. Survey Bull. 620–F, p. 111–128.

80 *——— 1919, Quicksilver: U. S. Geol. Survey Bull. 666–FF, 9 p.

81 *——— 1921, Quicksilver—Treatment of ores, uses, mineralogy, deposits of the world: Min. Res. U. S., 1917, p. 367–424. 10c.

82 ——— 1921, Quicksilver—Quicksilver mines in the United States: Min. Res. U. S., 1918, p. 167–178. 5c.

83 ——— 1922, Quicksilver [foreign deposits]: Min. Res. U. S., 1922, p. 175–177. 5c.

84 *Reed, J. C., 1946, Mineral investigations of the Geological Survey in Alaska in 1943 and 1944: U. S. Geol. Survey Bull. 947–A, p. ii, 3, 4.

85 *Reed, J. C., and Wells, F. G., 1938, Geology and ore deposits of the southwestern Arkansas quicksilver district: U. S. Geol. Survey Bull. 886–C, 90 p.

86 Roberts, R. J., 1940, Quicksilver deposits of the Bottle Creek district, Humboldt County, Nev., a preliminary report: U. S. Geol. Survey Bull. 922–A, p. 1–29. 35c.

87 *——— 1940, Quicksilver deposit at Buckskin Peak, National mining district, Humboldt County, Nev., a preliminary report: U. S. Geol. Survey Bull. 922–E, p. 115–133.

88 *Ross, C. P., 1940, Quicksilver deposits of the Mount Diablo district, Contra Costa County, Calif.: U. S. Geol. Survey Bull. 922–B, p. iii, 31–54.

89 ——— 1940, Quicksilver deposits of the Mayacmas and Sulphur Bank districts, California, a preliminary report: U. S. Geol. Survey Bull. 922–L, p. 327–353. 45c.

90 ——— 1941, Some quicksilver prospects in adjacent parts of Nevada, California, and Oregon: U. S. Geol. Survey Bull. 931–B, p. 23–37. 25c.

91 *——— 1942, Quicksilver deposits in the Steens and Pueblo Mountains, southern Oregon: U. S. Geol. Survey Bull. 931–J, p. 227–258.

92 Ross, C. P., and Yates, R. G., 1943, The Coso quicksilver district, Inyo County, Calif.: U. S. Geol. Survey Bull. 936–Q, p. ii, 395–416. 40c.

93 *Schaller, W. T., 1912, The properties of mosesite: U. S. Geol. Survey Bull. 509, p. 104–109.

94 *Schrader, F. C., 1918, Quicksilver deposits of the Phoenix Mountains, Ariz.: U. S. Geol. Survey Bull. 690–D, p. 95–109.

95 *Schrader, F. C., and Ross, C. P., 1926, Antimony and quicksilver deposits in the Yellow Pine district, Idaho: U. S. Geol. Survey Bull. 780–D, p. 137–167.

Index no.

96 *Schrader, F. C., Stone, R. W., and Sanford, Samuel, 1916, Useful minerals of the United States: U. S. Geol. Survey Bull. 624, p. 248–258. [Revision of Bull. 585.]

97 Short, M. N., 1940, Microscopic determination of the ore minerals: U. S. Geol. Survey Bull. 914, p. 129, 137, 140, 152, 153, 155, 156, 158, 225, 272, 273, 281, 282, 290. $1.50.

98 *Smith, G. O., 1904, Quicksilver, *in* Description of the Mount Stuart quadrangle [Wash.]: U. S. Geol. Survey Geol. Atlas, folio 106, p. 9.

99 *Smith, P. S., 1917, The Lake Clark-Central Kuskokwim region, Alaska: U. S. Geol. Survey Bull. 655, p. 131, 139–150.

100 *——— 1930, Mineral industry of Alaska in 1929: U. S. Geol. Survey Bull. 824–A, p. 79–80.

101 *——— 1931, Mineral industry of Alaska in 1930: U. S. Geol. Survey Bull. 836–A, p. 81.

102 *Smith, P. S., and Maddren, A. G., 1915, Quicksilver deposits of the Kuskokwim region: U. S. Geol. Survey Bull. 622–H, p. 272–291.

103 *Spurr, J. E., 1896, Economic geology of the Mercur mining district, Utah, with introduction by S. F. Emmons: U. S. Geol. Survey 16th Ann. Rept., 1894–95, pt. 2, p. 343–355, 357–358, 366, 417, 418, 421–422, 428–429, 436, 451–452.

104 *——— 1899, A reconnaissance in southwestern Alaska in 1898: U. S. Geol. Survey 20th Ann. Rept., 1898–99, pt. 7, p. 129.

105 *Stephenson, E. L., 1943, Geophysical surveys in the Ochoco quicksilver district, Oregon: U. S. Geol. Survey Bull. 940–C, p. iv, 57–98.

106 Thompson, G. A., Jr., 1950, Structural geology of the Terlingua quicksilver district, Texas: U. S. Geol. Survey open-file rept., 93 p., 1 map, 42 figs.

107 *Turner, H. W., 1896, Further contributions to the geology of the Sierra Nevada: U. S. Geol. Survey 17th Ann. Rept., 1895–96, pt. 1, p. 677–678.

108 *Turner, H. W., and Ransome, F. L., 1897, Quicksilver deposits, *in* Description of Sonora quadrangle [Calif.]: U. S. Geol. Survey Geol. Atlas, folio 41, p. 7.

109 Tweto, Ogden, and Yates, R. G., 1945, The Cochetopa Creek quicksilver deposits, Saguache County, Colo.: U. S. Geol. Survey limited memo. rept., 3 p.

110 *U. S. Geological Survey, 1921, World Atlas of Commercial Geology, Part I, Distribution of mineral production, p. 59–60.

111 *——— 1937, Property ownership in the Arkansas quicksilver district: Press Memo. 139234, 1 p., map.

112 *——— 1943, Quicksilver deposits of the Terlingua district, Texas: Limited distribution rept. (The Chisos and Rainbow mines, by R. G. Yates, J. F. McAllister, and G. A. Thompson, 8 p., 22 maps; Mitchell-Gillette group of claims (Maggie Sink area), by R. G. Yates and J. F. McAllister, text and 2 maps.)

113 *——— 1943, Preliminary report on the quicksilver-antimony properties in the vicinity of Sleitmut, Georgetown district, southwestern Alaska: Limited distribution rept., 8 maps.

Index no.

114 Waters, A. C., 1943, Ozark Quicksilver Corporation, Pike County, Ark.: U. S. Geol. Survey limited distribution rept., working-map only.

115 ——— 1945, The Black Butte quicksilver mine, Lane County, Oreg.: U. S. Geol. Survey limited distribution rept., text and 2 maps.

116 Waters, A. C., and others, 1943, Humphreys and Caddo quicksilver mines, Clark County, Ark.: U. S. Geol. Survey limited distribution rept., 14 p., maps.

117 Waters, A. C., Brown, R. E., Compton, R. R., Staples, L. W., and others, 1951, Quicksilver deposits of the Horse Heaven mining district, Oregon: U. S. Geol. Survey Bull. 969–E, p. 105–149. $1.75.

118 *Wells, F. G., and Waters, A. C., 1934, Quicksilver deposits of southwestern Oregon: U. S. Geol. Survey Bull. 850, 58 p.

119 *Williams, Albert, Jr., 1883, Useful minerals of the United States; division of the Rocky Mountains: Min. Res. U. S., 1882, p. 753, 767, 768, 772, 774.

120 *——— 1885, Quicksilver and vermilion: Min. Res. U. S., 1883 and 1884, p. 492–503.

121 *——— 1886, Quicksilver [Calif.] and vermilion: Min. Res. U. S., 1885, p. 284, 296.

122 *——— 1888, Useful minerals of the United States [cinnabar in California, Colorado, Idaho, Nevada, Oregon, and Utah]: Min. Res. U. S., 1887, p. 703, 705, 713, 724, 756, 778, 796.

123 Williams, Howel, and Compton, Robert R., 1953, Quicksilver deposits of Steens Mountain and Pueblo Mountains, southeast Oregon: U. S. Geol. Survey Bull. 995–B, p. 19–77. 65c.

124 *Yale, C. G., 1883, Minor minerals of the Pacific coast: Min. Res. U. S. 1882, p. 662–663.

125 *Yates, R. G., 1942, Quicksilver deposits of the Opalite district, Malheur County, Oreg., and Humboldt County, Nev.: U. S. Geol. Survey Bull. 931–N, p. 319–348.

126 Yates, R. G., Kent, D. F., and Concha, J. F., 1951, Quicksilver deposits of the Huancavelica district, Peru: U. S. Geol. Survey Bull. 975–A, 47 p. $1.25.

127 *Yates, R. G., and Thompson, G. A., 1943, Viviana quicksilver mine, Brewster County, Tex.: U. S. Geol. Survey limited distribution rept., 3 p., 8 maps.

128 ——— 1944, Mariposa and 248 quicksilver mines, Terlingua district, Texas: U. S. Geol. Survey limited distribution rept., 3 p., 2 maps.

129 Production data on quicksilver are given in the volumes of Mineral Resources of the United States until 1923, when the publication was transferred to the U. S. Bureau of Mines. In 1932 the title was changed to Minerals Yearbook.

U. S. BUREAU OF MINES PUBLICATIONS

130 Bedford, R. H., and Ricker, Spangler, 1950, Investigation of Guadalupe mercury mine, Santa Clara County, Calif.: U. S. Bur. Mines Rept. Inv. 4682, 8 p.

131 ——— 1950, Investigation of the New Almaden mercury mine, Santa Clara County, Calif.: U. S. Bur. Mines Rept. Inv. 4697, 29 p.

Index no.

132 Bouton, C. M., and Duschak, L. H., 1920, The determination of mercury: U. S. Bur. Mines Tech. Paper 227, 44 p.

133 Bradley, Worthen, 1931, Method and cost of recovering quicksilver from low-grade ore at the reduction plant of the Sulphur Bank Syndicate, Clearlake, Calif.: U. S. Bur. Mines Inf. Circ. 6429, 17 p.

134 Davenport, S. J., and Harrington, Daniel, 1941, Mercury poisoning as a mining hazard: U. S. Bur. Mines Inf. Circ. 7180, 27 p.

135 Davis, C. W., 1929, Distillation—amalgamation methods for the technical determination of mercury in ores: U. S. Bur. Mines Inf. Circ. 6202, 8 p.

136 Dupuy, L. W., 1948, Bucket-drilling the Coso mercury deposit, Inyo County, Calif.: U. S. Bur. Mines Rept. Inv. 4201, 45 p.

137 Duschak, L. H., and Schuette, C. N., 1918, Fume and other losses in condensing quicksilver from furnace gases: U. S. Bur. Mines Tech. Paper 96, 29 p.

138 ——— 1925, The metallurgy of quicksilver: U. S. Bur. Mines Bull. 222, 173 p.

139 Elmer, W. W., 1930, Mining methods and costs at the Black Butte quicksilver mine, Lane County, Oreg.: U. S. Bur. Mines Inf. Circ. 6276, 8 p.

140 Engel, A. L., and Shelton, S. M., 1942, Ore-testing studies of the ore-dressing section, fiscal year 1941: U. S. Bur. Mines Rept. Inv. 3628, p. 25–26.

141 Evans, A. M., and Traver, W. J., Jr., 1947, Terlingua mercury deposit, Brewster and Presidio Counties, Tex.: U. S. Bur. Mines Rept. Inv. 3995, 10 p.

142 Frolli, A. W., 1937, Mining and reduction methods and costs at the Oceanic quicksilver mine, Cambria, San Luis Obispo County, Calif.: U. S. Bur. Mines Inf. Circ. 6950, 13 p.

143 Furness, J. W., and Santmyers, R. M., 1926, The quicksilver situation from a domestic standpoint: U. S. Bur. Mines Inf. Circ. 6007, 13 p.

144 Gardner, E. D., and Mosier, McHenry, 1941, Open-cut metal mining: U. S. Bur. Mines Bull. 433, p. 167–169.

145 Hilpert, L. S., 1948, Mercury resources of Japan: U. S. Bur. Mines Min. Trade Notes 24, 52 p.

146 Johnson, F. T., and Ricker, Spangler, 1949, Investigation of Oat Hill mercury mine, Napa County, Calif.: U. S. Bur. Mines Rept. Inv. 4542, 23 p.

147 McElvenny, L. T., Smith, M. C., and McElwaine, R. B., 1950, Investigation of southwestern Arkansas mercury district, Howard, Pike, and Clark Counties, Ark.: U. S. Bur. Mines Rept. Inv. 4737, 25 p.

148 Moorehead, W. R., 1931, Methods and costs of mining quicksilver ore at the New Idria mine, San Benito County, Calif.: U. S. Bur. Mines Inf. Circ. 6462, 14 p.

149 Mosier, McHenry, 1944, Bureau of Mines exploration of mercury deposits to June 30, 1944: U. S. Bur. Mines Inf. Circ. 7299, 15 p.

150 Mosier, McHenry, and Johnson, A. C., 1943, Exploration for war minerals: U. S. Bur. Mines Rept. Inv. 3676, p. 21–22.

Index no.

151 Randall, Merle, and Humphrey, H. B., 1942, New process for controlling mercury vapor: U. S. Bur. Mines Inf. Circ. 7206, 10 p.

152 Reed, G. C., 1946, Exploration of Glass Buttes mercury deposit, Lake County, Oreg.: U. S. Bur. Mines Rept. Inv. 3926, 4 p.

153 Rutledge, F. A., 1948, Investigation of the Rainy Creek mercury prospect, Bethel district, Kuskokwim region, southwestern Alaska: U. S. Bur. Mines Rept. Inv. 4361, 7 p.

154 ——— 1950, Investigation of mercury deposits, Cinnabar Creek area, Georgetown and Akiak districts, Kuskokwim region, southwestern Alaska: U. S. Bur. Mines Rept. Inv. 4719, 9 p.

155 Schuette, C. N., 1931, Quicksilver: U. S. Bur. Mines Bull. 335, 168 p.

156 Shelton, S. M., and Calhoun, W. A., 1942, Cinnabar-reduction plants of the southwestern Arkansas quicksilver district: U. S. Bur. Mines Rept. Inv. 3627, 24 p.

157 Trengove, R. R., 1949, Investigation of the New Idria mercury deposit, San Benito County, Calif.: U. S. Bur. Mines Rept. Inv. 4525, 24 p.

158 United States Bureau of Mines and Geological Survey, 1947, Mineral resources of the United States, by the staffs of the Bureau of Mines and Geological Survey—30. Mercury, p. 134–138: Washington, D. C., Public Affairs Press [c 1948].

159 United States Bureau of Mines in cooperation with the McGraw-Hill Book Co., 1937, Mineral raw materials: U. S. Bur. Mines, Foreign Minerals Div., p. 121–127.

160 United States Bureau of Mines, Mining Division, 1941, Exploration and sampling of domestic deposits of strategic minerals: U. S. Bur. Mines Rept. Inv. 3574, p. 6.

161 Vanderburg, W. O., 1938, Reconnaissance of mining districts in Humboldt County, Nev.: U. S. Bur. Mines Inf. Circ. 6995, p. 17, 30–31, 37–38, 40, 45.

162 ——— 1938, Reconnaissance of mining districts in Eureka County, Nev.: U. S. Bur. Mines Inf. Circ. 7022, p. 19.

163 ——— 1940, Reconnaissance of mining districts in Churchill County, Nev.: U. S. Bur. Mines Inf. Circ. 7093, p. 31–32.

164 Von Bernewitz, M. W., 1937, Occurrence and treatment of mercury ore at small mines: U. S. Bur. Mines Inf. Circ. 6966, 40 p.

165 Webber, B. S., and others, 1947, Mercury deposits of southwestern Alaska: U. S. Bur. Mines Rept. Inv. 4065, 57 p.

166 Wells, R. R., 1950, Laboratory concentration of mercury ores from Oregon, California, Idaho, and Nevada: U. S. Bur. Mines Rept. Inv. 4620, 19 p.

167 Wiebelt, F. J., 1949, Investigation of the Abbott quicksilver mine, Lake County, Calif.: U. S. Bur. Mines Rept. Inv. 4558, 11 p.

168 Production data on quicksilver are given in the Minerals Yearbook from 1924 to the present time. Copies may be obtained, if still available, from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. Production data are also included in the Mineral Trade Notes published by the Bureau of Mines.

PUBLICATIONS OF STATE ORGANIZATIONS

Index no.

169 Anderson, A. L., 1941, Geology of the Idaho Almaden quicksilver mine near Weiser, Idaho: Idaho Bur. Mines and Geology Pamph. 55, 9 p.

170 Averill, C. V., 1947, Mines and mineral resources of Lake County, Calif.: Calif. Jour. Mines and Geology, v. 43, no. 1, p. 25–38.

171 Averitt, Paul, 1945, Quicksilver deposits of the Knoxville district, Napa, Yolo, and Lake Counties, Calif.: Calif. Jour. Mines and Geology, v. 41, no. 2, p. 65–89.

172 Bailey, E. H., 1946, Quicksilver deposits of the western Mayacmas district, Sonoma County, Calif.: Calif. Jour. Mines and Geology, v. 42, no. 3, p. 199–230.

173 ——— 1951, The New Almaden quicksilver mines: Calif. Div. Mines Bull. 154, p. 263–270.

174 ——— 1952, Suggestions for exploration at New Almaden quicksilver mine, California: Calif. Div. Mines Special Rept. 17, 4 p.

175 Bailey, E. H., and Myers, W. B., 1949, Quicksilver and antimony deposits of the Stayton district, California: Calif. Div. Mines Bull. 147, p. 37–56.

176 Bailey, E. H., and Phoenix, D. A., 1944, Quicksilver deposits in Nevada: Nev. Univ. Bull., Geology and Mining Ser. 41, v. 38, no. 5, 206 p.

177 Bailey, E. H., and Swinney, C. M., 1947, Walibu quicksilver mine, Kern County, Calif.: Calif. Jour. Mines and Geology, v. 43, no. 1, p. 9–14.

178 Baker, C. L., 1935, Mercury minerals and ores: Tex. Univ. Bull. 3401, p. 511–570.

179 Bell, R. N., 1918, Quicksilver and antimony discoveries in central Idaho: Idaho Min. Dept. Bull. 1, 12 p.

180 ——— 1919, Twentieth annual report of the mining industry of Idaho for the year 1918; War metals [quicksilver], p. 89–100.

181 Bowen, O. E., Jr., 1951, Manganese and quicksilver mineralization in the San Francisco region: Calif. Div. Mines Bull. 154, p. 259–262.

182 Bradley, W. W., 1915, The counties of Colusa, Glenn, Lake, Marin, Napa, Solano, Sonoma, and Yolo, [Calif]: Calif. State Min. Bur. 14th Rept. State Mineralogist, 1913–14, pt. 2, p. 176, 189–191, 202–203, 226–240, 262, 283–292, 300, 311–312, 316, 342–351, 368, 369.

183 ——— 1918, Quicksilver resources of California, with a section on metallurgy and ore-dressing: Calif. State Min. Bur. Bull. 78, 389 p.

184 Bradley, W. W., Brown, G. C., Lowell, F. L., and McLaughlin, R. P., 1915, The counties of Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus: Calif. State Min. Bur., 14th Rept. State Mineralogist, 1913–14, pt. 4, p. 442, 456–464, 526, 528–530, 602.

185 Bradley, W. W., Huguenin, Emile, Logan, C. A., and Waring, C. A., 1919, The counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura: Calif. State Min. Bur. 15th Rept. State Mineralogist, 1915–16, pt. 5, p. 613, 689–720, 746–748.

186 Branner, G. C., 1932, Cinnabar in southwestern Arkansas: Ark. Geol. Survey Inf. Circ. 2, 51 p., incl. maps.

Index no.

187 Broughton, W. A., 1942, Inventory of mineral properties in Snohomish County, Wash.: Wash. Dept. Conserv. and Devel., Div. Geology Rept. Inv. 6, p. 8, 10, 42, 43, 60, 62.

188 Brown, G. C., 1915, The counties of Shasta, Siskiyou, and Trinity [Calif.]: Calif. State Min. Bur., 14th Rept. State Mineralogist, 1913–14, p. 870, 875–876, 923–924.

189 Butler, G. M., and Mitchell, G. J., 1916, Preliminary survey of the geology and mineral resources of Curry County, Oreg.: Oreg. Bur. Mines and Geology, Min. Res. Oreg., v. 2, no. 2, p. 72.

190 California Division of Mines, 1936, Cost of producing quicksilver at a California mine in 1931–1932: Calif. Jour. Mines and Geology, v. 32, no. 3, p. 384–385.

191 ——— 1939, Outline geologic map of California showing locations of quicksilver properties: Economic mineral map of California no. 1, scale, 1:1,000,000.

192 ——— 1943, Quicksilver deposits of the New Idria district: Calif. Jour. Mines and Geology, v. 39, no. 1, 99–100.

193 California State Mining Bureau, 1917, Quicksilver in California; its military importance—no commercial substitute yet developed: Press Bull. 40, 1 p.

194 Carpenter, J. A., 1941, An investigation as to the presence of commercial quantities of mercury and gold in the dry lakes of Nevada: Nev. Univ. Bull., Geology and Mining Ser. 35, v. 35, no. 4, 22 p.

195 Crawford, A. L., and O'Farrel, Charles, 1932, Unusual microscopic features of a newly discovered mercury ore from the Deep Creek Mountains of western Utah: Utah Acad. Sci. Proc., v. 9, p. 41–44.

196 Crippen, R. A., Jr., 1947, Condenser installation at the New Idria Quicksilver Mining Company, Idria, Calif.: Calif. Jour. Mines and Geology, v. 43, no. 1, p. 61–62.

197 ——— 1950, Mercury: Calif. Div. Mines Bull. 156, p. 330–337.

198 Dreyer, R. M., 1940, Goldbanks mining district, Pershing County, Nev.: Nev. Univ. Bull., Geology and Mining Ser. 33, v. 34, no. 1, p. 30–36.

199 Durand, F. E., 1873, Note on crystals of quartz of a red color, by the interposition of cinnabar: Calif. Acad. Sci. Proc., v. 4, p. 211.

200 ——— 1873, Notes on the crystallization of metacinnabarite: Calif. Acad. Sci. Proc., v. 4, p. 219–220.

201 Eakle, A. S., 1914, Minerals of California: Calif. State Min. Bur. Bull. 67, p. 18, 32–36, 201, 204–209.

202 ——— 1923, Minerals of California: Calif. State Min. Bur. Bull. 91, p. 43–46.

203 Eakle, A. S., Huguenin, R. P., McLaughlin, R. P., and Waring, C. A., 1917, The counties of Alpine, Inyo, and Mono: Calif. State Min. Bur., 15th Rept. State Mineralogist, 1915–16, pt. 1, p. 121.

204 Eckel, E. B., and Myers, W. B., 1946, Quicksilver deposits of the New Idria district, San Benito and Fresno Counties, Calif.: Calif. Jour. Mines and Geology, v. 42, no. 2, p. 81–124.

296633—54——3

Index no.

205 Everhart, D. L., 1946, Quicksilver deposits at the Sulphur Bank mine, Lake County, Calif.: Calif. Jour. Mines and Geology, v. 42, no. 2, p. 125–153.

206 ——— 1950, Skaggs Springs quicksilver mine, Sonoma County, Calif.: Calif. Jour. Mines and Geology, v. 46, no. 3, p. 385–394.

207 ——— 1950, Quicksilver deposits of the Cachuma district, Santa Barbara County, Calif.: Calif. Jour. Mines and Geology, v. 46, no. 4, p. 509–532.

208 Fansett, G. R., 1920, Field tests for the common metals: Ariz. Univ. Bull. 105, Mineral Technology Ser. 23, p. 17.

209 Fischer, A. H., 1918, A summary of mining in the State of Washington (quicksilver); Wash. Univ. [Seattle] Eng. Exper. Sta. Bull. 4, p. 25–26, 34, 59, 61, 71, 73, 84.

210 Fix, P. F., and Swinney, C. M., 1949, Quicksilver deposits of the Oakville district, Napa County, Calif.: Calif. Jour. Mines and Geology, v. 45, no. 1, p. 31–46.

211 Forstner, William, 1903, The quicksilver resources of California: Calif. Div. Mines Bull. 27, 273 p.

212 Franke, H. A., 1935, Mineral resources of portions of Monterey and Kings County [Calif.]: Calif. Jour. Mines and Geology, v. 31, no. 4, p. 462.

213 Fraser, H. J., Wilson, H. D. B., and Hendry, N. W., 1943, Hot springs deposits of the Coso Mountains [Calif.]: Calif. Jour. Mines and Geology, v. 38, nos. 3 and 4, p. 242.

214 Frederick, Francis, 1945, State of Oregon map showing location of quicksilver deposits: Oreg. Dept. Geology and Min. Industries, scale, 1:1,000,000.

215 Gabb, W. M., 1864, Communication on the San Luis Obispo quicksilver fossils: Calif. Acad. Nat. Sci. Proc., v. 3, p. 173–174.

216 Geary, J. W., 1906, The condensation of quicksilver vapors: Calif. Jour. Technology, v. 7, p. 35–36, 47.

217 George, R. D., 1913, Mercury, quicksilver, and its ores: Colo. State Geol. Survey Bull. 6, p. 236–238.

218 Gianella, V. P., 1941, Nevada's common minerals: Nev. Univ. Bull., Geology and Mining Ser. 36, v. 35, no. 6, p. 55, 57.

219 Goodyear, W. A., 1882, Report on an examination of the quicksilver mines of California [May 1871]: Calif. Geol. Survey, Geology, v. 2, App., p. 91–135.

220 Hanks, H. G., 1882, Quicksilver [receipts at San Francisco, charging sluices with, loss of, retorting] *in* Second report of the [California] State Mineralogist, from December 1, 1880, to October 1, 1882, p. 24, 112, 116, 117, 121.

221 Hansell, J. M., 1934, Mining development of the Arkansas quicksilver district: Ark. Geol. Survey Inf. Circ. 2, Supp.

222 Heizer, R. F., and Treganza, A. E., 1944, Mines and quarries of the Indians in California: Calif. Jour. Mines and Geology, v. 40, p. 311–312.

223 Hill, B. F., 1902, The Terlingua quicksilver deposits, Brewster County, Tex.: Tex. Univ. Bull. 4, 74 p.

Index no.

224 Jennings, C. W., 1953, Mines and mineral resources of Kings County, Calif.: Calif. Jour. Mines and Geology, v. 49, no. 3, p. 293–295.

225 Joesting, H. R., 1942, Strategic mineral occurrences in interior Alaska: Alaska Dept. Mines Pamph. 1, p. 20–27.

226 Joseph, P. E., 1916, Mercury-quicksilver: Ariz. Bur. Mines Bull. 12, 8 p.

227 King, C. R., 1948, Economic aspects of mercury production in California: Calif. Jour. Mines and Geology, v. 44, no. 4, p. 327–334.

228 Larsen, E. S., 1919, The occurrence of cinnabar near Black Pine, Idaho: Idaho Univ., School Mines Bull. 2, v. 14, p. 65–67.

229 Lausen, Carl, and Gardner, E. D., 1927, Quicksilver resources of Arizona: Ariz. Bur. Mines Bull. 122, 112 p.

230 Livingston, D. C., 1919, Tungsten, cinnabar, manganese, molybdenum, and tin deposits of Idaho: Idaho Univ., School Mines Bull. 2, v. 14, p. 54–65.

231 Lowell, F. L., 1915, The counties of Del Norte, Humboldt, and Mendocino, [Calif.]: Calif. State Min. Bur., 14th Rept. State Mineralogist, 1913–14, pt. 3, p. 390.

232 Mackin, J. H., 1944, Relation of geology to mineralization in the Morton cinnabar district, Lewis County, Wash.: Wash. Dept. Conserv. and Devel., Div. Mines and Mining Rept. Inv. 6, 47 p.

233 Maxson, J. H., 1933, Economic geology of portions of Del Norte and Siskiyou Counties, northwesternmost California: Calif. Jour. Mines and Geology, v. 29, p. 156–158.

234 Merrill, F. J. H., 1917, The counties of Los Angeles, Orange, and Riverside [Calif.]: Calif. State Min. Bur., 15th Rept. State Mineralogist, 1915–16, pt. 4, p. 516, 518.

235 Mitchell, G. J., 1915, Minerals of Oregon: Oreg. Univ. Bull., new ser., v. 13, p. 20–21.

236 Myers, W. B., and Everhart, D. L., 1948, Quicksilver deposits of the Guerneville district, Sonoma County, Calif.: Calif. Jour. Mines and Geology, v. 44, no. 3, p. 253–277.

237 Oregon Bureau of Mines and Geology, 1921, Development of quicksilver deposits: Commun. to Governor and 31st Gen. Assembly Rept., 1919–20, p. 18.

238 Oregon Department of Geology and Mineral Industries, Oregon metal mines handbooks by staff of the Oregon Department of Geology and Mineral Industries: Bull. 14–A. Baker, Union, and Wallowa Counties, 1939; B. Grant, Morrow, and Untilla Counties, 1941; C. v. 1, Coos, Curry, and Douglas Counties, 1940, v. 2, section 1, Josephine County, 1942, section 2, Jackson County, 1943; D. Northwestern Oregon, 1951; E. Central and southeastern Oregon [in preparation].

239 Osmont, V. C., 1904, A geological section of the Coast Ranges north of the Bay of San Francisco: Calif. Univ. Dept. Geology Bull., v. 4, no. 3, p. 50–51.

240 Parks, H. M., and Swartley, A. M., 1916, Handbook of the mining industry of Oregon: Oreg. Bur. Mines and Geology, Min Res. Oreg., v. 2, no. 4, p. 14, 33, 55–56, 218, 227.

Index no.

241 Patty, E. N., and Glover, S. L., 1921, The mineral resources of Washington: Wash. Geol. Survey Bull. 21, p. 86.

242 Phillips, W. B., 1902, Sulphur, oil, and quicksilver in Trans-Pecos, Texas: Tex. Univ. Mineral Survey Bull. 2, 43 p.

243 Randol, J. B., 1890, Quicksilver mines and reduction works: Calif. Div. Mines, 10th Rept. State Mineralogist, p. 920–929.

244 Ransome, A. L., and Kellogg, J. L., 1939, Quicksilver resources of California: Calif. Jour. Mines and Geology, v. 35, no. 4, p. 353–486.

245 Ross, C. P., 1934, Progress report on the examination of the Terlingua quicksilver district, Brewster County, Tex.: Tex. Univ. Bur. Econ. Geology Min. Res. Circ. 7, 4 p.

246 ——— 1935, Preliminary report on the Terlingua quicksilver district, Brewster County, Tex.: Tex. Univ. Bull. 3401, p. 558–573.

247 Ross, C. P., and Carr, M. S., 1941, Part 1, The metal and coal mining districts of Idaho, with notes on the non-metallic resources of the State, p. 13, 32, 97, 99; Part 2, Bibliography and table of contents: Idaho Bur. Mines and Geology Pamph. 57, 263 p.

248 Schuette, C. N., 1937, The geology of quicksilver ore deposits: Calif. Jour. Mines and Geology, v. 33, no. 1, p. 38–50.

249 ——— 1938, Quicksilver in Oregon: Oreg. Dept. Geology and Min. Industries Bull. 4, 172 p.

250 Sellards, E. H., and Evans, G. L., 1946, Index to Texas mineral resources: Tex. Univ. Bur. Econ. Geology Pub. 4301, p. 373–374.

251 Smith, W. D., and Ruff, L. L., 1938, The geology and mineral resources of Lane County, Oreg.: Oreg. Dept. Geology and Min. Industries Bull. 11, p. 39–41.

252 Stafford, O. F., 1904, The mineral resources and mineral industry of Oregon for 1903: Oreg. Univ. Bull., new ser., v. 1, no. 4, p. 98–100.

253 Swinney, C. M., 1950, The Altonna quicksilver mine, Trinity County, Calif.: Calif. Jour. Mines and Geology, v. 46, no. 3, p. 395–404.

254 Taylor, H. P., 1935, The mineral resources of the Pacific Northwest: Regional Plan., Pt. 1, Pacific Northwest, Columbia Basin rept., App. P, p. 25–27, Natl. Res. Comm.

255 Tucker, W. B., and Waring, C. A., 1917, The counties of El Dorado, Placer, Sacramento, Yuba: Calif. State Min. Bur., 15th Rept. State Mineralogist, 1915–16, pt. 3, p. 279–300.

256 Udden, J. A., 1907, A sketch of the geology of the Chisos country, Brewster Co., Tex.: Tex. Univ. Bull. 93, p. 89–94.

257 ——— 1917, The geology of Texas quicksilver deposits: Tex. Min. Res., v. 1, p. 1–2, 28–29.

258 ——— 1918, The anticlinal theory as applied to some quicksilver deposits: Tex. Univ. Bull. 1822, 30 p.

259 Udden, J. A., Baker, C. L., and Böse, Emil, 1919, Review of the geology of Texas: Tex. Univ. Bull. 44, 3d ed. (revised), p. 117–118.

260 Warner, Thor, 1930, Mercury deposit in Coso Range, Inyo County Calif.: Calif. Div. Mines, 26th Rept. State Mineralogist, p. 59–63.

261 Watts, W. L., 1893, Alameda County, Calif.: Calif. State Min. Bur., 11th Rept., 1891–92, p. 121–122.

Index no.

262 Watts, W. L., 1893, Colusa County, Calif.; mines of Sulphur Creek and vicinity: Calif. State Min. Bur., 11th Rept., 1891–92, p. 181–187.

263 ——— 1893, Lake County [Calif.]; the Abbott quicksilver mines: Calif. State Min. Bur., 11th Rept., 1891–92, p. 239–240.

264 ——— 1893, Santa Clara County, Calif.: Calif. State Min. Bur., 11th Rept., 1891–92, p. 374.

265 ——— 1893, Sonoma County, Calif.; quicksilver at the Great Eastern mine and at Pine Flat district: Calif. State Min. Bur., 11th Rept., 1891–92, p. 460–461.

266 ——— 1893, Stanislaus County, Calif.; the Summit quicksilver mine: Calif. State Min. Bur., 11th Rept., 1891–92, p. 464–465.

267 Wells, F. G., 1939, Preliminary geologic map of the Medford quadrangle, Oregon: Oreg. Dept. Geology and Min. Industries.

268 Wells, F. G., Hotz, P. E., and Cater, F. W., Jr., 1949, Preliminary description of the geology of the Kerby quadrangle, Oregon: Oreg. Dept. Geology and Min. Industries Bull. 40, p. 22.

269 Whitney, J. D., 1863, Notice of cinnabar from Nevada Territory: Calif. Acad. Nat. Sci. Proc., v. 2, p. 161.

270 ——— 1865, Geology of the Coast Ranges: Calif. Geol. Survey, Geology, v. 1, pt. 1, p. 16, 19, 24, 58, 68–69, 71, 72, 78, 83, 89–90.

271 Whitton, W. W., 1904, The determination of mercury in ores: Calif. Jour. Technology, v. 4, p. 35–36.

272 Wilkinson, W. D., 1940, Advance report on some quicksilver prospects in the Butte Falls quadrangle, Oregon: Oreg. Dept. Geology and Min. Industries Short Paper 3, 9 p.

273 ——— 1939, Geology of the Round Mountain quadrangle, Oregon: Oreg. Dept. Geology and Min. Industries, map and text.

274 Willis, C. F., 1915–16, Arizona [mercury]: Ariz. State Bur. Mines Bull. 6, Econ. Ser. 3, p. 15.

275 ——— 1916–17, Mineralogy of useful minerals in Arizona: Ariz. Univ. Bur. Mines Bull. 41, Econ. Ser. 11, p. 30.

276 Wilson, E. D., 1941, Quicksilver: Ariz. Bur. Mines Circ. 9, 13 p.

277 Winchell, A. N., 1914, Petrology and mineral resources of Jackson and Josephine Counties, Oreg.: Oreg. Bur. Mines and Geology, Min. Res. Oreg., v. 1, no. 5, p. 65, 124, 129, 161.

278 Yates, R. G., and Hilpert, L. S., 1945, Quicksilver deposits of central San Benito and northwestern Fresno Counties, Calif.: Calif. Jour. Mines and Geology, v. 41, no. 1, p. 11–35.

279 ——— 1946, Quicksilver deposits of eastern Mayacmas district, Lake and Napa Counties, Calif.: Calif. Jour. Mines and Geology, v. 42, no. 3, p. 231–286.

280 York, Bernard, 1944, The geology of Nevada ore deposits: Nev. Univ. Bull., Geology and Mining Ser. 40, v. 38, no. 4, p. 60–62.

281 The Annual Reports of the California State Mineralogist contain production figures on quicksilver. The Annual Reports of the Idaho Inspector of Mines contain information on the quicksilver activities in Idaho.

PUBLICATIONS IN SCIENTIFIC AND PROFESSIONAL JOURNALS

Index no.

282 Adamson, W. G., 1929, Recent progress in the metallurgy of quicksilver: Eng. and Min. Jour., v. 128, no. 13, p. 503–508.

283 Aguilera, J. G., 1902, The geographical and geological distribution of the mineral deposits of Mexico: Am. Inst. Min. Eng. Trans., v. 32, p. 508–509.

284 Alaska and Northwest Mining Journal, 1915, Quicksilver deposits in Alaska, v. 7, no. 4, p. 73–74.

285 ——— 1918, Most promising deposit of mercury at Hardy Mountain, near Kamloops Lake, British Columbia, v. 12, p. 151.

286 Allen, E. T., Crenshaw, J. L., and Merwin, H. E., 1912, The sulphides of zinc, cadmium and mercury; their crystalline forms and genetic conditions: Am. Jour. Sci., 4th ser., v. 34, p. 368–383, 392–394.

287 Aubury, L. E., 1903. Metallurgy of quicksilver: Min. World, v. 19, no. 23, p. 20–22; no. 24, p. 21–22.

288 Babb, P. A., 1909, Dulces Nobres quicksilver deposit, Mexico: Eng. and Min. Jour., v. 88, no. 14, p. 684–686.

289 Baily, E. H., and Everhart, D. L., 1947, Almaden placer [Calif.] yields cinnabar-rich gravels: Eng. and Min. Jour., v. 148, no. 6, p. 77–79.

290 Bannock, W. W., Fix, P. F., Gianella, V. P., and White, D. E., 1948, Preliminary geochemical results at Steamboat Springs, Nev.: Am. Geophys. Union Trans., v. 29, no. 2, p. 211–226.

291 Baum, J. L., 1937, Cinnabar, New Almaden, Calif.: Mineralogist, v. 5, no. 1, p. 15–16.

292 Beason, L. H , 1907, Quicksilver from Sacramento mine, Mercur district, Utah: Mineral Industry, v. 15, p. 357.

293 Becker, G. F., 1887, Natural solutions of cinnabar, gold, and associated sulphides: Am. Jour. Sci., 3d ser., v. 33, p. 199–210.

294 Bennett, Evan, 1948, Almaden, world's greatest mercury mine: Mining and Metallurgy, v. 29, no. 493, p. 6–9.

295 Berry, E. W., and Singewald, J. T., 1922, The geology and paleontology of the Huancavelica mercury district: Johns Hopkins Univ. Studies in Geology, no. 2, p. 1–100.

296 Bird, P. H., 1932, A new occurrence and X-ray study of mosesite: Am. Mineralogist, v. 17, no. 12, p. 541–550.

297 Blake, W. P., 1854, Quicksilver mine of Almaden, Calif.: Am. Jour. Sci., 2d ser., v. 17, p. 438–440.

298 ——— 1855, Observations on the extent of the gold region of California and Oregon, with notices of mineral localities in California, and of some remarkable specimens of crystalline gold: Am. Jour. Sci., 2d ser., v. 20, p. 80.

299 ——— 1867, Mineralogical notices, No. 2; Cinnabar in calcite in Idaho: Calif. Acad. Nat. Sci. Proc., v. 3, p. 298.

300 ——— 1868, Note on the occurrence of gold with cinnabar in the Secondary or Tertiary rocks: Boston Soc. Nat. History Proc., v. 11, p. 30–31.

Index no.

301 Blake, W. P., 1896, Cinnabar in Texas: Am. Inst. Min. Met. Eng. Trans., v. 25, p. 68–76.

302 Boone, A. R., 1923, New Almaden, a century-old quicksilver mine: Eng. and Min. Jour.-Press, v. 116, no. 25, p. 1060–1061.

303 Booth, F. J., 1906, The reduction of quicksilver ore: Min. and Sci. Press, v. 93, p. 570–572.

304 Bradley, Worthen, 1942, Great Western quicksilver mine: Compressed Air Mag., v. 47, p. 6644–6646.

305 ——— 1943, The Hermes quicksilver mines: Min. Cong. Jour., v. 29, no. 11, p. 32–34; no. 12, p. 40–44.

306 ——— 1945, Rocky Mountain quicksilver; Smith mercury mines: Min. Cong. Jour., v. 31, no. 1, p. 34–35.

307 ——— 1946, Mercury meanderings: Part 1, Min. Cong. Jour., v. 32, no. 1, p. 35; Part 2, Min. Cong. Jour., v. 32, no. 3, p. 35–38.

308 Broderick, T. M., 1916, Some experiments bearing on the secondary enrichment of mercury deposits: Econ. Geology, v. 11, no. 7, p. 645–651.

309 Brush, G. J., and Comstock, W. J., 1881, On American sulphoselenides of mercury, with analysis of onofrite from Utah: Am Jour. Sci., 3d ser., v. 21, p. 312–316.

310 Burgess, J. A., 1911, The halogen salts of silver and associated minerals at Tonopah, Nev.: Econ. Geology, v. 6, no. 1, p. 21.

311 Burr, G. H , 1939, Mining and treating low-grade quicksilver ores at the Cloverdale mine: Min. Cong. Jour., v. 25, no. 6, p. 15–17.

312 Canfield, F. A., Hillebrand, W. F., and Schaller, W. T., 1910, Mosesite, a new mercury mineral from Terlingua, Tex.: Am. Jour. Sci., 4th ser., v. 30, p 202–208.

313 Castillo, Antonio del, 1875, Quicksilver mining in Mexico: Min. and Sci. Press, v. 30, p. 41.

314 Chemicals, 1926, Metallurgy of quicksilver, v. 25, p. 10.

315 Chemical and Metallurgical Engineering, 1918, Quicksilver at New Idria, Calif., v. 19, p. 237–240.

316 Chism, R. E., 1899, A new assay for mercury: Am. Inst. Min. Eng. Trans., v. 28, p. 444–452.

317 Christy, S. B., 1879, On the genesis of cinnabar deposits: Am. Jour. Sci., 3d ser., v. 17, p. 453–463.

318 ——— 1885, Quicksilver reduction at New Almaden, Calif.: Am. Inst. Min. Eng. Trans., v. 13, p. 547–584.

319 ——— 1886, Quicksilver-condensation at New Almaden: Am. Inst. Min. Eng. Trans., v. 14, p. 206–265.

320 Clevenger, G. H., 1915, Note upon the occurrence of mercury in cobalt ores: Econ. Geology, v. 10, no. 8, p. 770–773.

321 Colman, M. N., 1932, A vacuum retort for cinnabar ores: Min. Jour., v. 26, no. 7, p. 3–4, Phoenix, Ariz.

322 Crane, E. B., 1917, Difficult mine sampling [method employed at Black Butte quicksilver mine, Lane County, Oreg.]: Min. and Sci. Press, v. 114, p. 539.

Index no.

323 De Kalb, Courtenay, 1910, Guadalupe quicksilver works: Min. and Sci. Press, v. 100, p. 446–447.

324 ——— 1921, The Almaden quicksilver mine: Econ. Geology, v. 16, nos. 4 and 5, p. 301–312.

325 De Ment, J. A., 1945, Ultraviolet light in mercury prospecting: Mineralight News Bull. 8, 2 p.

326 Dennis, C. G., 1907, Rare mercury ores [at Terlingua, Brewster County, Tex.]: Min. and Sci. Press, v. 95, p. 92.

327 ——— 1909, Modern quicksilver reduction: Min. and Sci. Press, v. 99, p. 761.

328 Dennis, W. B., 1902, The quicksilver deposits of Oregon: Eng. and Min. Jour., v. 73, no. 17, p. 581.

329 ——— 1903, The quicksilver deposits of Oregon: Eng. and Min. Jour., v. 76, no. 15, p. 539–541.

330 ——— 1909, Shortening the roasting period for mercury: Eng. and Min. Jour., v. 88, no. 3, p. 112–116.

331 Dinsmore, C. A., 1909, Quicksilver deposits of Brewster County, Tex.: Min. World, v. 31, no. 18, p. 877–878.

332 Dreyer, R. M., 1939, Darkening of cinnabar in sunlight: Am. Mineralogist, v. 24, no. 7, p. 457–460.

333 ——— 1940, The geochemistry of quicksilver mineralization: Econ. Geology, v. 35, no. 1, p. 17–48; no. 2, p. 140–157; discussion, no. 7, p. 905–999.

334 ——— 1941, The problem of variation in cinnabar coloration: Am. Mineralogist, v. 28, no. 5, p. 195.

335 Duncan, Frank, 1937, The Terlingua quicksilver district of Brewster County, Tex.: Rocks and Minerals, v. 12, no. 11, p. 325–332.

336 Duschak, L. H., 1930, Improvements in the metallurgy of quicksilver: Am. Inst. Min. Met. Eng. Tech. Pub. 264, p. 18.

337 Eckel, E. B., 1948, Mercury industry in Italy: Am. Inst. Min. Eng. Tech. Pub. 2292, 21 p.; discussion, Am. Inst. Min. Eng. Tech. Pub. 2474, p. 3–5.

338 Egleston, Thomas, 1875, Notes on the treatment of mercury in north California: Am. Inst. Min. Eng. Trans., v. 3, p. 273–307.

339 Emmons, S. F., 1894, Geological distribution of the useful metals in the United States [quicksilver]: Am. Inst. Min. Eng. Trans., v. 22, p. 85–86.

340 Emmons, W. H., 1919, The anticlinal theory and some quicksilver deposits: Eng. and Min. Jour., v. 107, no. 21, p. 916–917.

341 Engineering and Mining Journal, 1876, Borax Lake and sulphur and quicksilver deposits of California, v. 22, no. 8, p. 118.

342 ——— 1904, Quicksilver Mining Co. [New Almaden, Santa Clara County, Calif.], v. 78, no. 17, p. 676–677.

343 ——— 1913, The quicksilver matter, v. 95, no. 16, p. 817.

344 ——— 1914, Mercury recovery plant at Fresnillo, Zacatecas, Mexico, v. 97, no. 19, p. 953–954.

345 ——— 1915, Cinnabar in western Nevada, v. 100, no. 17, p. 668.

Index no.

346 Engineering and Mining Journal, 1916, Concentrating quicksilver ores, v. 101, no. 24, p. 1033.

347 ——— 1916, Discovery of cinnabar near Gold Circle district, Nevada, v. 102, no. 17, p. 767.

348 ——— 1916, Landers mercury furnace, v. 102, no. 15, p. 634.

349 ——— 1916, Oceanic quicksilver mill, v. 102, no. 12, p. 512–513.

350 ——— 1924, Attractive possibilities of mining in Turkey, v. 117, no. 8, p. 328.

351 ——— 1925, Distillation of quicksilver at the Patriquin mine in California, v. 120, no. 2, p. 56.

352 ——— 1927, World's largest mercury deposit—Almaden, central Spain, v. 123, no. 2, p. 69.

353 ——— 1928, Latest type of furnace for the treatment of cinnabar ores, v. 125, no. 17, p. 703.

354 ——— 1928, Process of treating mercury ores patented, v. 125, no. 25, p. 1014–1015.

355 ——— 1928, Producing quicksilver mines of North America, v. 126, no. 2, p. 62.

356 ——— 1931, Multiple hearth furnace is receiving more attention for roasting quicksilver ores, v. 132, no. 3, p. 127–129.

357 ——— 1932, Furnacing quicksilver condenser residues, v. 133, no. 2, p. 88.

358 Fahey, J. J., Fleischer, Michael, and Ross, C. P., 1940, The geochemistry of quicksilver mineralization: Econ. Geology, v. 35, no. 3, p. 465–470.

359 Fairbanks, H. W., 1894, Some remarkable hot springs and associated mineral deposits in Colusa County, Calif.: Science, v. 23, p. 120–121.

360 Fawcett, Waldon, 1905, A quicksilver furnace: Am. Inventor, p. 1943.

361 Ferguson, E. G. W., 1909, The mineral resources of Haiti, West Indies: Min. World, v. 31, no. 2, p. 133; Moreau de St. Mery, v. 1, p. 104.

362 Feust, Arthur, 1909, Modern quicksilver reduction: Min. and Sci. Press, v. 99, p. 795.

363 Forbes, G. S., and Richter, H. W., 1917, The measurement of oxidation potentials at mercury electrodes. The chromis-chromous potential: Am. Chem. Soc. Jour., v. 39, p. 1140–1148.

364 Forstner, William, 1904, The quicksilver deposits of California: Eng. and Min. Jour., v. 78, no. 10, p. 385–386, 426–428.

365 Foshag, W. F., 1928, Quicksilver deposits of the Pilot Mountains, Mineral County, Nev.: Min. Jour., v. 11, no. 22, p. 5–6, 12–14, Phoenix, Ariz.

366 Franks, W. E., 1925, Mactear-Franks mercury furnace: Eng. and Min. Jour., v. 119, no. 17, p. 692–693.

367 ——— 1935, Native mercury in Mexico: Eng. and Min. Jour., v. 136, no. 5, p. 237.

368 Freeman, H. C., 1885, The La Plata Mountains [Colo.]: Am. Inst. Min. Eng. Trans., v. 13, p. 683.

369 Geary, J. W., 1905, A rotary furnace for roasting quicksilver ores: Min and Sci. Press, v. 90, p. 22.

296633—54——4

Index no.

370 Geary, J. W., 1906, The condensation of quicksilver vapors: Min. Reporter, v. 53, p. 392–393; Mining Mag., v. 13, p. 421, New York.

371 Gillan, S. L., 1917, Cinnabar in the Sierra Nevada: Min. and Sci. Press, v. 114, p. 79.

372 Gould, G. I., 1948, Outlook for quicksilver: Min. Cong. Jour., v. 34, no. 2, p. 94–95.

373 Gould, H. W., 1921, The Almaden quicksilver mine in Spain: Min. and Sci. Press, v. 122, p. 567–569.

374 ——— 1929, Nevada Quicksilver Mines, Inc., operates new plant: Eng. and Min. Jour., v. 127, no. 1, p. 6–9.

375 Hall, R. G., and Bradley, Worthen, 1945, Concurrent firing at the Sulphur Bank and Reed quicksilver plants: Am. Inst. Min. Met. Eng., Metals Technology, v. 12, no. 8, 11 p.

376 Halse, Edward, 1895, The silver district of Tehuklotepec, State of Guerrero, Mexico: Eng. and Min. Jour., v. 60, no. 9, p. 197–199.

377 Hamilton, Fletcher, 1916, Concentration of quicksilver ores in California: Min. and Eng. World, v. 44, p. 997.

378 Hanks, H. G., 1889, Something about quicksilver: Min. and Sci. Press, v. 59, p. 22–23.

379 ——— 1889, The properties of mercury: Min. and Sci. Press, v. 59, p. 142–143.

380 Hart, T. S., 1853, Notes on the Almaden mine, California: Am. Jour. Sci., 2d ser., v. 16, p. 137–139.

381 Hartmen, E. W., 1930, Equipment of the Dreamy Draw mine: Min. Jour., v. 14, no. 3, p. 38–39, Phoenix, Ariz.

382 Heberlein, C. A., 1916, The mining and reduction of quicksilver ore at the Oceanic mine, Cambria, Calif.: Am. Inst. Min. Met. Eng., v. 51, p. 110–117, 1916.

383 Hewitt, A. S., 1877, A century of mining and metallurgy in the United States [commencement of mining in New Almaden quicksilver mine, Calif.]: Am. Inst. Min. Eng. Trans., v. 5, p. 175–176.

384 Higgins, W. C., 1914, The Nevada Cinnabar Co.: Salt Lake Min. Rev., v. 16, no. 12, p. 21.

385 Hill, B. F., 1903, The occurrence of the Texas mercury minerals: Am. Jour. Sci., 4th ser., v. 16, p. 251–252.

386 Hill, R. T., 1902, The cinnabar deposits of the Big Bend province of Texas: Eng. and Min. Jour., v. 74, no. 10, p. 305–307.

387 Hillebrand, W. F., 1905, Preliminary announcement concerning a new mercury-mineral from Terlingua: Science, new ser., v. 22, p. 844.

388 Hillebrand, W. F., and Schaller, W. T., 1907, The mercury minerals from Terlingua, Tex.; kleinite, terlinguaite, eglestonite, montroydite, calomel, mercury: Am. Jour. Sci., v. 24, 4th ser., p. 259–274.

389 Hillebrand, W. F., with Canfield, F. A., 1910, Mosesite, a new mercury mineral from Terlingua, Tex.: Am. Jour. Sci., v. 30, 4th ser., p. 202–208.

390 Hornaday, W. D., 1910, The cinnabar deposits of Terlingua, Tex.: Min. World, v. 33, no. 25, p. 1133–1134.

Index no.

391 Hummel, Karl, 1927, Tourmaline-bearing cinnabar veins of the Mazatzal Mountains, Ariz.: Econ. Geology, v. 22, no. 4, p. 407–408.

392 Huttl, J. B., 1943, New Almaden today: Eng. and Min. Jour., v. 144, no. 3, p. 59–61.

393 ——— 1944, Guadalupe mercury mine has new treatment plant: Eng. and Min. Jour., v. 145, no. 6, p. 86–87.

394 Innes, Murray, 1918, Metallurgy of quicksilver: Eng. and Min. Jour., v. 105, no. 2, p. 110–111.

395 ——— 1918, Quicksilver in Europe and its relation to the future of the industry in the United States: Mineral Industry, v. 26, p. 609–615.

396 Issler, A. R., 1942, Quicksilver mines of northern California: Min. Jour., v. 25, no. 22, p. 3–5, Phoenix, Ariz.

397 James, G. A., 1910, The James apparatus for quicksilver determination: Eng. and Min. Jour., v. 90, no. 17, p. 800–801.

398 Janssen, W. A., 1945, Story of Almaden; Spain's famous mercury mine: Foreign Commerce Weekly, v. 20, p. 8–9.

399 Johnson, H. L., 1928, Prospector and burro operate mine and refinery; five flasks produced per month at Container mine, Nevada: Eng. and Min. Jour., v. 126, no. 1, p. 11–12.

400 ——— 1928, Operation of quicksilver retort: Eng. and Min. Jour., v. 126, no. 6, p. 215–217.

401 Johnson, J. H., 1943–45, The story of quicksilver, Part 1, Properties and history, introduction: Mines Mag., v. 33, no. 3, p. 121–122, 148; Part 2, Its uses, no. 4, p. 165–168, 1943; Part 3, The quicksilver minerals, no. 5, p. 227–228, 274, 278, 284, 1943; Part 4, Geological occurrence of quicksilver deposits, no. 9, p. 447–449, 1943; Part 5 Almaden, the greatest mine in the world, v. 34, no. 12, p. 632–636, 659, 1944; Part 6, Idria, world's second largest mercury deposit, v. 35, no. 2, p. 73–75, 89, 1945.

402 ——— 1946–47, A history of mercury mining in the Terlingua district of Texas: Mines Mag. v. 36, no. 9, p. 390–395, 1946; Part 2, The decline, and the period of the First World War, 1910–1920, no. 10, p. 445-448, 1946; Part 3, The lull between World Wars, v. 37, no. 3, p. 28–30, no. 7, p. 21–22, 26, 40, 1947.

403 Joralemon, I. B., 1945, Our mineral reserve: Mines Mag., v. 35, no. 3, p. 114–117, 141.

404 Just, Evan, 1942, An Arkansas travelogue [mineral resources]: Eng. and Min. Jour., v. 143, no. 12, p. 63–64.

405 Keller, W. D., 1947, The San Salvador mercury mine: Earth Sci. Digest, v. 1, no. 7, p. 10–11.

406 Kellogg, A. E., 1919, Cinnabar ore in Jackson County, Oreg.: Eng. and Min. Jour., v. 107, no. 18, p. 787.

407 ——— 1922, Quicksilver in southern Oregon: Min. and Sci. Press, v. 124, p. 411–413.

408 ——— 1929, Quicksilver in the Gold Hill district, Oregon: Min. Jour., v. 11, no. 8, p. 7, 14–15, Phoenix, Ariz.

409 Kent, A. H., 1944, New Idria decision: Min. Cong. Jour., v. 30, no. 11, p. 21–23

Index no.

410 Kirk, M. P., 1905, The Terlingua quicksilver district [Tex.]: Mining Mag., v. 11, p. 441–443.

411 Kirk, M. P., and Malcolmson, J. W., 1904, A new quicksilver mining district [Brewster County, Tex.]: Eng. and Min. Jour., v. 77, no. 17, p. 685–686.

412 Knauskopf, K. B., 1951, Physical chemistry of quicksilver transportation in vein fluids: Econ. Geology, v. 46, no. 5, p. 498–523.

413 Krebs, J. O., 1950, How to save, reclaim mercury: World Oil, v. 130, p. 158.

414 Lakes, Arthur, 1899, New Almaden mines of Santa Clara County, Calif.: Mines and Minerals, v. 19, no. 8, p. 346–349.

415 ——— 1906, A peculiar occurrence of native mercury, free gold, and telluride minerals near Trimble Springs, Durango [Mexico]: Min. Reporter, v. 54, no. 16, p. 389–390.

416 Landers, W. H., 1916, The smelting of mercury ores: Eng. and Min. Jour., v. 1, no. 102, p. 630–633.

417 Lang, Herbert, 1916, Quicksilver reduction: Min. and Sci. Press, v. 112, p. 707–714.

418 ——— 1919, Simple tests of economic minerals: Min. and Sci. Press, v. 118, p. 21.

419 Lausen, Carl, 1926, Tourmaline-bearing cinnabar veins of the Mazatzal Mountains, Ariz.: Econ. Geology, v. 21, no. 8, p. 782–791.

420 ——— 1936, The occurrence of minute quantities of mercury in the Chinle shales at Lees Ferry, Ariz.: Econ. Geology, v. 31, no. 6, p. 610–617.

421 Le Conte, Joseph, 1883, On mineral vein formation now in progress at Steamboat Springs compared with the same at Sulphur Bank: Am. Jour. Sci., 3d ser., v. 25, p. 424–428.

422 ——— 1883, On the genesis of metalliferous veins: Am. Jour. Sci., 3d ser., v. 26, p. 1–19.

423 Le Conte, Joseph, and Rising, W. B., 1882, The phenomena of metalliferous vein formation now in progress at Sulphur Bank, Calif.: Am. Jour. Sci., 3d ser., v. 24, p. 23–33.

424 Lewis, C. H., 1947, Underground mechanization at New Idria: Min. Cong. Jour., v. 33, no. 5, p. 21–24.

425 Lewis, Frank, 1927, Mining quicksilver [Terlingua district, Tex.]: Mines Mag. v. 16, no. 12, p. 4–6.

426 ——— 1946, Horse Heaven mercury mine and district, Horse Heaven, Oreg.: Mines Mag., v. 36, no. 7, p. 295–300.

427 Lonsdale, J. T., 1929, An underground placer cinnabar deposit [Brewster County, Tex.]: Econ. Geology, v. 24, no. 6, p. 626–631.

428 Lyman, C. A., 1848, Mines of cinnabar in upper California: Am. Jour. Sci., 2d ser., v. 6, p. 270–271.

429 McCaskey, H. D., 1910, The New Idria quicksilver mine, California: Min. World, v. 32, no. 3, p. 104.

430 ——— 1912, Widespread deposits of cinnabar in Nevada: Min. Sci., v. 66, p. 55–57.

Index no.

431 Mackay, R. A., 1946, The control of impounding structures on ore deposition: Econ. Geology, v. 41, no. 1, p. 35–36.

432 Maier, C. G., 1930, The present status of our quicksilver industry: Am. Inst. Min. Met. Eng. Tech. Pub. 264, p. 19–37.

433 Menardi, H. B., 1939, Reduction of livingstonite concentrate: Am. Inst. Min. Met. Eng., Metals Technology, v. 6, no. 2, 8 p.

434 Menendez y Puget, Laureano, 1949, The riches of Almaden: Min. World, v. 11, no. 7, p. 34–36.

435 Metallurgical and Chemical Engineering, 1917, Roasting furnace with fume condenser [designed to operate on ores containing volatile metals such as quicksilver and zinc], v. 16, p. 706, patent.

436 Miller, W. G., 1911, Notes on the Cobalt area [Ontario]: Eng. and Min. Jour., v. 92, no. 14, p. 647.

437 Mining and Engineering Review, 1905, Metallurgy of quicksilver, v. 20, p. 7–8.

438 Mining and Engineering World, 1915, Quicksilver deposits on the Mazatzal Range of Arizona, v. 44, no. 2, p. 81–82; no. 25, p. 1, 131.

439 ——— 1916, Recovering quicksilver from ores, v. 45, no. 18, p. 740.

440 Mining and Scientific Press, 1874, Quicksilver discoveries in California, v. 28, p. 98, 118, 154, 170, 312.

441 ——— 1874, Quicksilver in California, v. 28, p. 186, 198, 214, 258, 290, 294, 310, 314, 316, 322, 326, 337, 358, 362, 370, 402, 410.

442 ——— 1874, The Pine Flat quicksilver mines [Calif.], v. 29, p. 139, 154, 322.

443 ——— 1875, Reduction of quicksilver ores—Patera's process, v. 30, p. 241.

444 ——— 1889, Mercurial minerals and their associates, v. 59, p. 298–299, 318–319.

445 ——— 1900, California quicksilver mines, v. 81, p. 506–507.

446 ——— 1904, Cinnabar in San Luis Obispo County, Calif., v. 89, p. 323.

447 ——— 1904, The Great Eastern quicksilver mine [Sonoma County, Calif.], v. 89, p. 391.

448 ——— 1905, Reduction of cinnabar at Sulphur Creek, Calif., v. 90, p. 335.

449 Mining Journal, 1925, Interest in Phoenix quicksilver increasing, v. 8, no. 15, p. 13–14, Phoenix, Ariz.

450 Mining Reporter, 1906, Mercury deposits of Mexico, v. 53, p. 466–467.

451 Mining World, 1939, Idaho Almaden, gem State's first quicksilver mine, v. 1, no. 4, p. 9–11.

452 ——— 1940, Black Butte quicksilver, v. 2, no. 1, p. 17–19.

453 ——— 1943, New Idria—Alaska Quicksilver Mining Co., v. 5, no. 11, p. 18–19.

454 ——— 1945, New Almaden, still going strong after 120 years of operation, v. 7, no. 8, p. 42–43.

455 Moore, G. E., 1872, On the occurrence in nature of amorphous mercuric sulphide: Am. Jour. Sci., 3d ser., v. 3, p. 36–43.

Index no.

456 Moses, A. J., 1901, Mineralogical notes—(1) Mercuric iodide from New South Wales [coccinite]: Am. Jour. Sci., ser. 4, v. 12, p. 98–99.

457 ——— 1903, Eglestonite, terlinguaite, and montroydite, new mercury minerals from Terlingua, Tex.: Am. Jour. Sci., ser. 4, v. 16, p. 253–263.

458 Mulholland, C. A., 1911, The treatment of low-grade cinnabar ores: Min. and Eng. World, v. 35, no. 6, p. 241–242.

459 Newhouse, W. H., 1933, Mercury in native silver: Am. Mineralogist, v. 18, no. 7, p. 295–299.

460 Nichols, J. B., 1948, Minerals of Lake County, Calif.: Mineralogist, v. 16, no. 4, p. 171–177, 190, 192–195.

461 Northey, G. V., 1913, Concentration of cinnabar ores: Eng. and Min. Jour., v. 96, no. 17, p. 783–784.

462 Ott, W. H., 1934, Extensive cinnabar deposits worked at Morton, Wash.: Oreg. Mineralogist, v. 2, no. 10, p. 21.

463 Pagliucci, F. D., 1905, The quicksilver deposits of Huitzuco [Mexico]: Eng. and Min. Jour., v. 79, no. 9, p. 417–418.

464 Palache, Charles, 1927, The occurrence of cinnabar in Dutch Guiana: Am. Mineralogist, v. 12, no. 4, p. 188–189.

465 Palmer, L. A., 1914, Ore occurrence at the Cloverdale mine [Sonoma County, Calif.]: Min. and Sci. Press, v. 108, p. 812.

466 Penfield, S. J., 1885, Crystallized tiemannite and metacinnabarite: Am. Jour. Sci., 3d ser., v. 29, p. 449–454.

467 Phillips, W. B., 1904, A new quicksilver field in Brewster County, Tex.: Eng. and Min. Jour., v. 77, no. 4, p. 160–161.

468 ——— 1905, Terlingua quicksilver district [Tex.]: Min. World, v. 23, no. 9, p. 259–260.

469 ——— 1905, The quicksilver deposits of Brewster County, Tex.: Econ. Geology, v. 1, no. 2, p. 155–162.

470 ——— 1906, Prospects of the quicksilver industry in Texas: Min. World, v. 25, no. 15, p. 463.

471 ——— 1906, Quicksilver deposits of Terlingua district, Brewster County, Tex.: Am. Min. Cong., 8th Ann. Sess., Proc., p. 184–193.

472 Place, R. G., 1920, Assaying quicksilver ores: Eng. and Min. Jour., v. 109, no. 24, p. 1313.

473 Pollock, J. P., 1944, Colloidal deposition of cinnabar: Am. Inst. Min. Met. Eng. Tech. Pub. 1735, 10 p.

474 Pošepný, Franz, 1895, The genesis of ore deposits: Am. Inst. Min. Eng. Trans., v. 23, p. 225–226, 257, 1894; discussion, v. 24, p. 984.

475 Ransome, F. L., 1921, The ore of the Almaden mine: Econ. Geology, v. 16, nos. 4 and 5, p. 313–321.

476 ——— 1939, Quicksilver metallurgy today: Eng. and Min. Jour., v. 140, no. 4, p. 46–49.

477 Reed, J. C., 1936, Cinnabar deposits in southwestern Arkansas: Econ. Geology, v. 31, no. 3, p. 314–317.

Index no.

478 Reed, J. C., and Hansell, J. M., 1935, Quicksilver deposits near Little Missouri River, southwest Arkansas: Am. Inst. Min. Met. Eng. Tech. Pub. 612, 5 sketch maps; Trans. 115, p. 229–246, 1935.

479 Rogers, A. F., 1911, Eglestonite from San Mateo County, Calif.: Am. Jour. Sci., 4th ser., v. 32, p. 48–50.

480 Ross, C. P., 1933, Quicksilver deposits *in* Ore deposits of the Western States (Lindgren volume), p. 652–658: Am. Inst. Min. Met. Eng.

481 ——— 1941, The quicksilver deposits of the Terlingua region, Texas: Econ. Geology, v. 36, no. 2, p. 115–142.

482 ——— 1942, Some concepts of the geology of quicksilver deposits in the United States: Econ. Geology, v. 37, no. 6, p. 439–465.

483 Rundall, W. H., 1895, Mining and treatment of quicksilver ores at Guadalcázar, Mexico: Eng. and Min. Jour., v. 59, no. 26, p. 607–609; Sci. Am. Supp., v. 40, p. 16289–16290, July 13.

484 Salt Lake Mining Review, 1912, Saving gold and cinnabar, v. 14, no. 3, p. 23.

485 ——— 1913, Great cinnabar discovery [near Mina, Nev.], v. 15, no. 7 p. 17–18.

486 Sankov, A. A., 1940, Geochemistry of mercury deposits, Symposium—World deposits of strategic minerals: Pan-Am. Geologist, v. 74, no. 1, p. 23–42.

487 Schuette, C. N., 1921, The sampling and estimation of quicksilver ores: Min. and Sci. Press, v. 122, p. 293–295.

488 ——— 1922, The birth of mercury ores: Eng. and Min. Jour.-Press, v. 114, no. 6, p. 228–229.

489 ——— 1930, Occurrence of quicksilver ore bodies: Am. Inst. Min. Met. Eng. Tech. Pub. 335, 88 p.; with discussion, Trans. 1931, p. 403–488, 1931.

490 ——— 1931, Recent designs of quicksilver plants: Eng. and Min. Jour., v. 131, no. 7, p. 316–318.

491 ——— 1931, Limiting factors in quicksilver metallurgy: Eng. and Min. Jour., v. 132, no. 9, p. 398–400.

492 ——— 1933, Lahontan quicksilver: Eng. and Min. Jour., v. 134, no. 8, p. 329–332.

493 ——— 1942, New Almaden; an old mine being modernized: Min. Cong. Jour., v. 28, p. 25–28.

494 Scott, Robert, 1910, Modern quicksilver reduction: Min. and Sci. Press, v. 100, p. 164.

495 Seamon, W. H., 1909, A volumetric method for the determination of mercury: Eng. and Min. Jour., v. 87, no. 21, p. 1047–1048.

496 Sharwood, W. J., 1918, Loss of quicksilver in gold mills: Min. and Sci. Press, v. 116, p. 483–485.

497 Silliman, Benjamin, Jr., 1864, Notes on the New Almaden quicksilver mines: Am. Jour. Sci., 2d ser., v. 38, p. 190–194.

498 Singewald, J. T., 1920, The Huancavelica mercury deposits, Peru: Eng. and Min. Jour., v. 110, no. 11, p. 518–522.

Index no.

499 Smith, H. G., 1918, Loss of quicksilver: Min. and Sci. Press, v. 117, p. 514.

500 Smith, Winnie, 1944, New mercury mine in Texas: Compressed Air Mag., v. 49, no. 3, p. 69–71.

501 Sohlberg, R. G., 1933, Cinnabar and associated minerals from Pike County, Ark.: Am. Mineralogist, v. 18, no. 1, p. 1–8.

502 Spalding, E. P., 1901, The quicksilver mines of Brewster County, Tex.: Eng. and Min. Jour., v. 71, no. 24, p. 749–750.

503 Spurr, J. E., 1923, The origin of metallic concentrations by magmation: Econ. Geology, v. 18, no. 7, p. 635–636.

504 Staples, L. W., 1940, Guides for quicksilver prospecting: Mineralogist, v. 8, no. 2, p. 43–44, 65–69.

505 ——— 1941, Horse Heaven mercury mine: Min. Cong. Jour., v. 27, no. 6, p. 12–14.

506 Stearn, N. H., 1933, Mining and furnacing quicksilver ore [Ark.]: Eng. and Min. Jour., v. 134, no. 1, p. 22–24., incl. maps.

507 ——— 1934, Structure from sedimentation at Parnell Hill quicksilver mine, Arkansas: Econ. Geology, v. 29, no. 2, p. 146–156.

508 ——— 1936, The cinnabar deposits in southwestern Arkansas: Econ. Geology, v. 31, no. 1, p. 1–28.

509 Stowell, E. G., and Coghill, W. H., 1920, Experimental flotation of low-grade quicksilver ore: Min. and Sci. Press, v. 120, p. 117–121.

510 Struthers, Joseph, 1904, Quicksilver industry in the United States and foreign countries: Min. World, v. 21, no. 4, p. 79–80.

511 Symington, R. B., 1899, Present practice in the metallurgy of quicksilver in California: Mineral Industry, v. 7, p. 582–588.

512 Thornhill, E. B., 1915, Wet method of mercury extraction: Min. and Sci. Press, v. 110, p. 873–874.

513 Turner, H. W., 1900, The Terlingua quicksilver mining district, Brewster County, Tex.: Min. and Sci. Press, v. 81, p. 64.

514 ——— 1906, The Terlingua quicksilver deposits [Tex.]: Econ. Geology, v. 1, no. 3, p. 265–281.

515 ——— 1909, Modern quicksilver reduction: Min. and Sci. Press, v. 99, p. 690.

516 Udden, J. A., 1911, Structural relations of quicksilver deposits [Tex.]: Min. World, v. 34, no. 19, p. 973–975.

517 ——— 1917, Deposits of quicksilver in Texas: Min. Am., v. 75, no. 1858, p. 3–5.

518 Van der Veen, R. W., 1924, The Almaden mercury ores and their connection with igneous rocks: Econ. Geology, v. 19, no. 2, p. 147–156.

519 Vaupell, C. W., 1937, Mercury deposits of Huitzuco, Guerrero, Mexico: Am. Inst. Met. Eng. Tech. Pub. 842, 14 p.; Trans., v. 144, p. 300–313, 1941; Econ. Geology, v. 32, no. 2, p. 196, 1937; Min. Technology, v. 1, no. 5, 14 p., 1937.

520 Veatch, J. A., 1914, The genesis of the mercury deposits of the Pacific slope: Am. Inst. Min. Met. Eng. Bull. 86, p. 209–226.

Index no.

521 Veatch, J. A., 1914, The mercury deposits of the Pacific coast: Min. and Eng. World, v. 40, p. 591–594.

522 Wagoner, Luther, 1882, Report on Guadalupe quicksilver mine, California: Eng. and Min. Jour., v. 34, no. 15, p. 185–186.

523 ——— 1882, The geology of the quicksilver mines of California: Eng. and Min. Jour., v. 34, no. 26, p. 334.

524 Warner, Thor, 1930, Mercury deposit in Coso Range, Inyo County, Calif.: Mining in California, v. 26, no. 1, p. 59–63.

525 Warren, H. V., and Lord, C. S., 1935, An occurrence of schwatzite in British Columbia: Econ. Geology, v. 30, no. 1, p. 67–71.

526 Waters, A. C., 1933, A summary of the sedimentary, tectonic, igneous, and metalliferous history of Washington and Oregon, *in* Ore deposits of the Western States (Lindgren volume), p. 253–265: Am. Inst. Min. Met. Eng.

527 Wehrly, C. S., 1930, Mercury resources: Chem. Markets, v. 26, no. 5, p. 482–484.

528 ——— 1930, Mercury down the ages, Part 2: Chem. Industries, v. 44, no. 3, p. 257–260.

529 ——— 1940, Mercury: Columbia Univ. Bull. Inf., 40th ser., no. 25, p. 57–61.

530 Weigel, W. M., 1931, New quicksilver discoveries [Ark.]: Eng. and Min. Jour., v. 132, no. 11, p. 495–497.

531 Wichers, Edward, 1942, Pure mercury: Chem. and Eng. News, v. 20, no. 17, p. 1111–1112.

532 Williston, S. H., 1942, Mining quicksilver in Nevada: Min. Cong. Jour., v. 28, no. 11, p. 24–28.

533 Wolcott, H. N., 1940, Quicksilver activities in Arizona: Mining Jour., v. 23, no. 22, p. 3–5, Phoenix, Ariz.

534 Wright, C. W., 1940, South America as a source of strategic minerals: Mining and Metallurgy, v. 21, no. 402, p. 287.

535 Young, G. J., 1932, California quicksilver plant; Nichols Hereshoff quicksilver plant: Eng. and Min. Jour., v. 133, no. 5, p. 279–280.

536 The following periodicals contain information on production and mining reviews: Engineering and Mining Journal, Mineral Industry [a publication of the Engineering and Mining Journal], Mining and Scientific Press, Mining Congress Journal, and Mining World.

FOREIGN PUBLICATIONS

537 Achiardi, Antonio d', 1883, I metalli loro minerali e minere, v. 1, p. 100–110, 120–124, Milan.

538 Achiardi, Giovanni d', 1903, Notizie sul giacimento cinabrifero di Kana-Barun nell' Asia Minor: Soc. toscana sci. nat. Atti, Mem. 19, p. 173–176, Pisa.

539 Ahlburg, Dr., 1907, Der Erzbergen in Steiermark, Kärnten and Krain: Zeitschr. Berg-, Hütten- u. Salinenwesen, Band 55, p. 463–521, Berlin.

296633—54——5

Index no.

540 Ahlfeld, Friedrich, 1934, Neue Baryt- und Witheritvorkommen in Turkmenien: Zeitschr. prakt. Geologie Jahrg. 42, Heft 9, p. 131–133, Halle (Saale).

541 ——— 1935, Die Antimonit- und Zinnoberlagerstätten im Alai (Beiträge zur Lagerstättenkunde von West-Burkestan Nr. 2): Neues Jahrb., Beil.-Band 69, Abt. A, Heft 2, p. 255–275, Stuttgart.

542 ——— 1936, Zinnobervorkommen in Bolivien: Metall u. Erz Jahrg. 33, Heft 19, p. 509–510, Halle.

543 Alsén, N., and Aminov, Gregori, 1922, Über die Struktur des Kristallisierten Quecksilbers: Geol. Fören. Stockholm Förh. band 44, p. 124–128.

544 Arend, A. G., 1945, Conserving and reclaiming mercury: Chem. Age v. 53, p. 513–515, London.

545 Argentovskiy, J., 1929, Sur un nouveau gisement de cinabre dans l'Oural: Akad. Nauk SSSR Doklady, tom A, vypusk 17, p. 420–422.

546 Armstrong, J. E., 1942, Geology of the Pinchi Lake mercury belt, British Columbia: Canadian Inst. Min. Metallurgy Trans., v. 45, p. 311–323; Canadian Min. Metall. Bull. 362, 1942.

547 ——— 1942, The Pinchi Lake mercury belt, British Columbia: Canada Geol. Survey Paper 42–11, 18 p.

548 ——— 1944, Northern part of the Pinchi Lake mercury belt, British Columbia: Canada Geol. Survey Paper 44–5, 13 p.

549 ——— 1946, Geology and mineral deposits of northern British Columbia west of the Rocky Mountains: Canada Dept. Mines and Res., Mines and Geol. Br., Geol. Survey Bull. 5, p. 16, 29–30.

550 ——— 1948, Pinchi Lake mercury belt [British Columbia], *in* Structural geology of Canadian ore deposits, p. 138–140: Montreal, Mercury Press, Ltd.

551 Armstrong, J. E., and Thurber, J. B., 1945, Prospecting possibilities in part of the Omineca mining division, British Columbia: Canadian Min. Jour., v. 66, no. 4, p. 220–221.

552 Asano, Goro, 1939, On the cinnabar deposit and the geology of the region at Chouchangtze district, Chinglung prefecture, Jehol province: Manchukuo Geol. Inst., Mem. 8, 18 p. [Japanese.]

553 Australia, Bureau of Census and Statistics, 1922, Official Year Book, 1921, Commonwealth of Australia, no. 14, p. 361–362.

554 Banchetti, Augusto, 1932, Considerozioni e richerche sull' origine dei giacimenti cinabriferi in special modo del Monte Amiata: Soc. toscana sci. nat. Atti, Mem. 42, p. 84–97, Pisa.

555 Baudre, G., 1927, Monographie de la mine de cinabre de la Chapelle-Enjunger: Soc. géol. minéralog. Bretagne, Bull., v. 7, p. 80–134.

556 Beelich, Henry, 1905, Chinese methods of mining quicksilver: Inst. Min. Metallurgy Trans., v. 14, p. 483–495, London.

557 Belash, F. N., 1947, Mercury—Demands of industry for quality: Geol. Kom., Vses. Nauchno-issled., Inst. Mineral'nogo Syr'ya.

558 Bendeliani, A. Ye., 1939, The Talakhian cinnabar deposits in the Racha region, Georgian SSR: Razvedka nedr, vypusk 3, p. 22–25, Moskva. [Russian.]

Index no.

559 Black, T. A., 1922, Mercury in New Zealand: Chem. Eng. and Min. Rev., v. 15, p. 17–20, Melbourne.

560 Blake, W. P., 1878, Note sur les gisements de cinabre de la Californie et du Nevada: Soc. Française minéralogie Bull. 1, p. 81–84.

561 Bogdanovich, Karl, 1902, Zwei Uebersteigungen der Hauptkette des Kaukasus: Russkiy Geol. Kom. Zap., tom 1, p. 1–209.

562 Boletín Minero, Departamento de Estadística, 1920, Promedio de los metales que en sequida se expresan, en el mes de septiembre y en el mes de octubre de 1920, tomo 10, p. 668, Mexico City.

563 ——— Departamento de Minas, 1920, Cuardo que manifiesta la producción y exportación de minerales y metales en la Republica Mexicana durante los años 1910 a 1919, tomo 10, p. 288, Mexico City.

564 ——— 1927, El mineral di Huahuaxtla, Guerrero, tomo 24, p. 10–16, Mexico City.

565 Bonney, Wilbert, 1913, Mineral resources of San Luis Potosí: Mexican Min. Jour., v. 16, no. 6, p. 281, Mexico City.

566 Borouskaya, T. B., 1930, Quicksilver in Ferghana: Tsvetnyye Metally, vypusk 12, p. 1720–1731, Moskva.

567 Botero Restrepo, Gilberto, 1947, Reconocimiento preliminar del yacimiento de cinabrio "El Quindio," municipio de Cajamarca, departamento del Tolima: Colombia, Servicio Geol. Nac., Compilación de los estudios geol. oficiales en Colombia, tomo 7, p. 275–284.

568 Bott, W., 1892, The alleged discovery of mercury in Malacca: Royal Asiatic Soc., Great Britain and Ireland, Straits Br., Jour. 1891, p. 79.

569 British Columbia Mining Record, 1900, Savonas cinnabar properties, v. 7, p. 375–376.

570 Bukowski, Gejza von, 1902, Zur Kenntniss der Quecksilbererzlagerstätten in Spizza: Austria, K.-k. geol. Reichsanst., Verh., p. 302–309, Vienna.

571 Bulygo, V. S., 1937, Deposits of cinnabar in Tetyukhe: Akad. Nauk SSSR, Dal'nevostochnoye Filial Izv. 22, p. 117.

572 Bulynnikov, A. Ya., 1938, Usual ore-bearing diorites of the Caledonian intrusion of the Salair region, Siberia: Zapdno-Sibirskoye Geol. Upravleniye Izd. 4, p. 1–15.

573 Burkhart, H. J., 1856, Gediegenes Gold and Zinnober aus Californien, so wie Manganblende und Fahlerz aus Mexico: Naturh. Ver. preuss. Rheinlande, Verh. (Niederrheinische Gesell. Natur-u. Heilkunde in Bonn, Sitzungsber.), Band 13, p. 15–20, Bonn.

574 Cadisch, Joos, 1943, Zur Geologie des Zinnobervorkommens von Margno: Eclogae Geol. Helvetiae, v. 35, no. 2, p. 149–151.

575 Caines, C. E., 1943, Geology and mineral deposits of Tyaughton Lake map area, British Columbia: Canada Geol. Survey Paper 43–15, p. 33–39.

576 Camsell, Charles, 1919, Mercury deposits of Kamloops Lake [British Columbia]: Canada Geol. Survey Summary Rept., 1918, pt. B, p. 17–22.

Index no.

577 Canada Geological Survey, 1947, Mineral localities, Nicola, Kamloops and Yale districts, British Columbia. Information obtained by W. E. Cockfield, 1939–41, 1943. List of localities [indicating principal contained metals or minerals]. Map 887–A. Scale, 1:253,440 or 1 inch=4 miles.

578 Canadian Institute of Mining and Metallurgy, 1945, Pinchi Lake mercury reduction plan: Canadian Min. Metall. Bull. v. 48, no. 393, p. 13–26.

579 Canfield, F. A., Hillebrand, W. F., and Schaller, W. T., 1911, Mosesit, ein neues Quecksilber mineral von Terlingua: Zeitschr. Kristallographie, Band 49, p. 1–8, Leipzig.

580 Capilla, Alberto, 1900, Breves anotaciones sobre la mina de mercurio "La Guadalupana," San Luis Potosí: Soc. Cient. Antonio Alzate Mem. y Rev., tomo 13, p. 423–427, Mexico.

581 Carne, J. E., 1900, Mercury or quicksilver, in New South Wales, with notes on its occurrence in other colonies and countries: New South Wales Dept. Mines, Min. Res., no. 7, p. 1–36.

582 Carrara, Giacomo, 1914, Sopra un nuovo processo per via umida nella metallurgia dei minerali poveri di mercurio: R. ist. lombardo sci. e lettere, ser. 2, v. 47, p. 117–125.

583 Castelli, Gaitano, 1921, La mina de mercurio de Idria: Rev. minera, metallúrgica y de ingeniería, tomo 72, no. 2797, p. 453–455, Madrid.

584 Castillo, Antonio del, 1871, Resumen de los trabajos que sobre reconocimientos de criaderos y minas de azogue se practicaron el año 1844: La Naturaleza, tomo 2, p. 39–120, Madrid.

585 Castro, Calogero de, 1914, Le miniere di mercurio del Monte Amiata: Italy, Ufficio geol. Mem. descrittive carta geol. d'Italia, v. 16, p. 1–203, Rome.

586 Cesàro, Giuseppe, 1895, Le cinabre du Rocheux: Acad. royale Belgique Bull., sér. 3e, v. 30, p. 56–60.

587 Chemical Engineering and Mining Review, 1940, Mercury in Australia and New Zealand, v. 33, no. 385, p. 5–7, Melbourne.

588 Chemisch-metallurgische Zeitschrift; die metallborse, 1931, Neue Quecksilbervorkommen in Chili: Jahrb. 21, no. 46, p. 1087, Berlin.

589 China Year Book, 1919–20, Minerals, mines, and mining, p. 78, Tientsin.

590 ——— 1921, Mines and minerals, p. 175–176, Tientsin.

591 Chirvinskiy, P. N., 1919, Economic minerals of southeastern European U. S. S. R.: Yugovostochnyy Soyuz Kreditnykh i Ssudnykh Obshch., Statistiko-Ekonomich. Ser. Trudy, vypusk 3, p. 1–84, Rostov na Donu.

592 ——— 1919, Sketch of the economic minerals of the Donets coal basin: Novocherkassk Donskoy Politeklinich. Inst. Izv. 12, p. 193–204, Novocherkassk.

593 Cockfield, W. E., 1948, Geology and mineral deposits of Nicola map-area, British Columbia: Canada Geol. Survey Mem. 249, p. 82–104.

594 Codizza, R. L., 1930, The mercury mines in Colombia: Bol. Minas y Petróleo, tomo 3, no. 13, p. 35–37, Mexico City.

Index no.

595 Collins, H. F., 1897, Quicksilver mining in the district of Guadalcázar, State of San Luis Potosí [Mexico]: Inst. Min. Metallurgy Trans., v. 4, p. 121–150, London.

596 Colquhoun, A. L., 1899, Notes on the occurrence of quicksilver in Canada: Canadian Min. Inst. Jour., v. 1, p. 13–16; Canadian Min. Rev., v. 18, p. 41–42; summary, Min. and Sci. Press, v. 79, p. 288.

597 Cornu, Felix, and Redlich, K. A., 1908, Notizen über einige Mineralvorkommen der Ostalpen: Centralbl. Mineralogie, 1908, p. 277–283, Stuttgart.

598 Cropp, W. H., 1922, The genesis of the Puhipuhi cinnabar deposits; a working hypothesis: New Zealand Jour. Sci. Technology, v. 5, p. 173–177.

599 ——— 1923, Some essentials in the economic development of a cinnabar deposit: Chem. Eng. and Min. Rev., v. 15, p. 337–352, Melbourne.

600 ——— 1923, The action of light on cinnabar: Australian Inst. Min. Metallurgy Proc., new ser. 52, p. 259–266.

601 Dawson, G. M., 1878, Report on explorations in British Columbia; cinnabar on the Homathco: Canada Geol. Survey Rept. Progress 1876–77, p. 133.

602 ——— 1896, Report on the area of the Kamloops map sheet, British Columbia [mercury on Copper Creek]: Canada Geol. Survey Ann. Rept., 1894, new ser., v. 7, p. 340–341.

603 ——— 1889, The mineral wealth of British Columbia: Canada Geol. Survey Ann. Rept., 1887–88, new ser., v. 3, pt. 2, p. 105R, 156R.

604 De Iongh, W. H. D., 1920, Enkele geologische en mineralogische mededeelingen over Mexico in het algemeen en over de mijndistricten Zacatecas, Pachuca, en Real del Monte, in het bijzonder [kwiksilver]; De Ingenieur, Jaarg. 35e, p. 4–9, Gravenhage.

605 Deiters, W., 1943, Ukrainisches Quecksilber: Montan. Rundschau, Band 35, p. 55–56, Vienna.

606 Demaret, Leon, 1904, Les principaux gisements des minérais de mercure du monde: Annales des mines de Belgigue, v. 9, 80 p.

607 Denmead, A. K., 1945, Kilkivan mercury mining: Queensland Govt. Min. Jour., v. 46, no. 520, p. 49–52.

608 Derikov, I. V., 1937, The age of Salair mercury deposits [Siberia]: Zapadno-Sibirskoye Geol. Upravleniye Izd. 4, p. 84–101.

609 Doelter, Cornelio, 1917, Über einige erzlagerstätten Serbiens: Zeitschr. prakt. Geologie, Jahrg. 25, Heft 9, p. 149, Halle (Saale).

610 Doelter, Cornelio, and Leitmeier, Hans, 1927, Handbuch der Mineralchemie, Band 4, p. 161–640: Dresden.

611 Dolmage, Victor, 1920, Barkley Sound, Vancouver Island, British Columbia: Canada Geol. Survey Summary Rept., 1919, pt. B, p. 18–20.

612 Donzov, W. W., and Klimovskaya, A. P., 1935, Vorkommen von Zinnober in Turkmenien: Mineral'noye Syr'ye, tom 10, 49 p., Moskva.

613 Dovgal, N. D., 1936, New localities of mercury mineralization in the Salair region: Mineral'noye Syr'ye, tom 11, p. 47–48, Moskva.

Index no.

614 Dunstan, Benjamin, and Ridgeway, J. E., 1931, The mercury deposits near Kilkivan: Queensland Govt. Min. Jour., v. 32, no. 375, p. 311–315.

615 Dutch East Indies, Dienst van den Mijnbouw 1922, Cinnabar: Jaarb. mijnwezen, Nedi-Indië, 48th year, 1919, p. 463–465.

616 Eardley-Wilmot, V. L., 1928, Notes on the quicksilver occurrences in Canada: Canada, Dept. Mines, Mines Branch, Pub. 687, Inv. Min. Res., p. 53–63.

617 ——— 1928, The occurrence, metallurgy and uses of quicksilver: Canadian Min. Jour., v. 49, p. 1083–1085.

618 Economic Review, 1922, The home consumption of mercury in 1921, v. 5, no. 16, p. 317, London.

619 Ehringhaus, Arthur, 1920, Über Dispersion der Doppelbrechung bei Kristallen: Neues Jahrb. Mineralogie, Beil.-Band 43, p. 557–618, Stuttgart.

620 Ermann, Oskar, 1951, Die Lagerstätten des Pfälzer Rotliegenden; ein montanwirtschaftlicher Überblick: Hess. Landesamt Bodenforschung Wiesbaden, Notizbl. F. 6, Heft 2, p. 75–76.

621 Ermisch, Karl, 1914, Das Zinnobererzvorkommen von Pereta in Toskana (from the Italian report of B. Lotti): Zeitschr. prakt. Geologie, Jahrg. 22, p. 18–21, Halle (Saale).

622 Espinoza L., Roberto, 1944, Informe sobre el nuestreo de la labores existentes en el cerro Azoguine-Puno: Peru, Cuerpo Ingenieros Minas Bol. 130, p. 89–95.

623 Far Eastern Review, 1921, Quicksilver mining in China, v. 17, p. 813.

624 Fermor, L. L., 1922, General report of the Geological Survey for the year 1921: India Geol. Survey Rec., v. 54, pt. 1, p. 26.

625 Ferrar, H. T., and Cropp, W. H., 1922, Mineral resources of the Whangarei Bay of Islands subdivision: New Zealand Geol. Survey 16th Ann. Rept., new ser., p. 15.

626 Fersman, A. Ye., ed., 1939, Place of origin of rare and trace metals of the U. S. S. R.: Moskva, Akad. Nauk SSSR, 435, p.

627 Fischer, H., 1906, Die Quecksilber-Lagerstätten am Avala-Berge in Serbien: Zeitschr. prakt. Geologie, Jahrg. 14, p. 245–256, Halle (Saale).

628 Flores, Teodoro, 1916, El mercurio en Mexico: Bol. Minero, tomo 1, no 1, p. 13–15, Mexico.

629 Friederich, O. M., 1939, Notizen über kärntnerische und steirische Quecksilbervorkommen: Berg- u. hüttenm. Jahrb., Band 87, p. 207–210, Vienna.

630 Friese, Franz, 1907, Zur Entwicklungs geschichte des Erzbergbaues in den deutschen Rheinlanden von der Wiederaufnahme des Bergbaues nach der Völkerwanderung bis zum dreissigjährigen Kriege: Zeitschr. prakt. Geologie, Jahrg. 15, p. 18–19, Halle (Saale).

631 Fritsch, Volker, 1940, Die funkgeologische Untersuchung des Zinnobervorkommens von Schönbach bei Eger (Sudentenland): Neues Jahrb., Beil.-Band 84, Abt. B, Heft 1, p. 90–116, Stuttgart.

Index no.

632 Galeotti, Henri, 1838, Notice sur un gîte de mercure dans le sol tertiarie récent du Gigante au Mexique: Acad. royale sci. Bruxelles Bull., v. 5, p. 196–202.

633 Gardner, D. E., 1945, Mercury: Australia, Bur. Min. Res., Geology and Geophysics Summary Rept. 20, 20 p.

634 Gashchenko, V., and Yarmolovich, N. V., 1939, Experiments of the sampling of the Nikitovka mercury deposit [Donets Basin, Ukrainian SSR]: Moskva Geologo-razved. Inst. im Orzhonikidze Trudy, tom. 15, p. 154–186.

635 Gastelumendi, A. G., 1921, Huancavelica como region productora de mercurio: Peru, Cong. Nac. Industria Minería, Anales tomo 2, pt. 2, p. 31–69.

636 Gesell, Sandor, 1898, Die montangeologischen Verhältnisse der Zinnobererz-Bergbaue von Dumbrava und Baboja bei Zalatna: K.-Ungarische geol. Anstalt, Jahresber. 1895, p. 101–112, Budapest.

637 Giraud, G., 1921, Mineral wealth of Tonkin: Far Eastern Rev., v. 17, p. 525, Shanghai.

638 Gonzáles Reyna, Jenaro, 1940, Depositos de mercurio de "El Moral", Jal. [Mexico]: Soc. Geol. Mexicana Bol., tomo 10, nos. 9–12, p. 257–286.

639 ——— 1942, Criaderos minerales en Colotlipa y Quechultenango del Estado de Guerrero [México]: Bol. Minas y Petróleo, tomo 13, no. 4, p. 6–12, Mexico City.

640 ——— 1946, La industria minera en el Estado de Zacatecas [México]: México, Comité Directivo Inv. Recursos Minerales Bol. 4, p. 28–29, 37, 51–52, 69–70, 101.

641 ——— 1946, La industria minera en el Estado de Chihuahua [México]: México, Comité Directivo Inv. Recursos Minerales Bol. 7, p. 36.

642 Gorden, H. A., and McKay, Alexander, 1895, The goldfields of New Zealand: New Zealand Dept. Mines, Papers and repts. relating to minerals and mining, 1895, p. 257–259.

643 Gossner, Balthasar, and Mussgang, F., 1927, Über die Kristallstruktur von Zinnober und Covellin: Centrabl. Mineralogie, 1927, Abt. A., p. 410–413, Stuttgart.

644 Great Britain, Imperial Mineral Resources Bureau: Published statistics of world production, imports, and exports of quicksilver, since 1913, in the volumes entitled, "The mineral industry of the British Empire and foreign countries, Statistical Summary."

645 Griffith, A. P., 1898, The Ohaeawai quicksilver deposits, Bay of Islands [New Zealand]: New Zealand Inst. Min. Eng. Trans., v. 2, p. 35–36.

646 Grip, Erland, 1948, On the occurrence of mercury in Boliden and in some other sulphide deposits in northern Sweden: Sveriges geol. undersökning Årsbok 42, no. 8, ser. C, no. 499, 12 p.

647 Guimarães, Djalma, and Coelho, I. S., 1946, O cinábrio de Dom Bosco, Minas Gerais: Mineração e Metallurgia, v. 11, no. 63, p. 161–166, Rio de Janeiro.

648 Gunning, H. C., 1943, Geology and mineral resources of British Columbia: Miner, v. 16, no. 6, p. 35–39; no. 7, p. 33–37, Canada.

Index no.

649 Hadley, W. M., 1904, Report on the quicksilver mines of Huancavelica: Peru, Ministerio de Fomento Bol., tomo 2, p. 43–44.

650 Hall, A. L., 1918, The geology of the Barberton gold mining district: South Africa Geol. Survey Mem. 9, p. 238, 312.

651 Halse, Edward, 1894, Notes on the occurrence of mercury at Quindiu, Tolima, U. S. Colombia: Federated Inst. Min. Engineers Trans., v. 6, p. 59, Newcastle upon Tyne.

652 ——— 1895, The quicksilver mines and reduction works at Huitzuco, Guerrero, Mexico: North of England Inst. Min. Engineers Trans., v. 45, p. 72–88, Newcastle upon Tyne.

653 ——— [1923], Mercury ores: Great Britain, Imp. Inst. Mon. Min. Res., p. 1–101.

654 Harada, Zyunpei, 1943, Cinnabar placer of Horokanai, Ishikari [Japan]: Japanese Assoc. Mineralogists Jour., v. 29, no. 4, p. 159–167.

655 Hartwig, W. A. C., 1926, Die Kristallstruktur einiger Mineralien der Regulären HgS-Reihe: Preuss. Akad. Wiss., Sitzungsber., p. 79–80.

656 Heath, R. F., 1919, The technical analysis of mercury ore: Chem. News, v. 119, p. 89–90, London.

657 Henderson, John, 1922, Cinnabar in New Zealand: New Zealand Geol. Survey 16th Ann. Rept., new ser., p. 15–16.

658 ——— 1923, Cinnabar in Greenvale survey district, near Waikaka, Southland: New Zealand Geol. Survey, new ser., 17th Ann. Rept., p. 12.

659 ——— 1923, Notes on the geology of the Nevis Balley, Otago: New Zealand Jour. Sci. Technology, v. 6, no. 2, p. 127.

660 ——— 1944, Cinnabar at Puhipuhi and Ngawha, north Auckland: New Zealand Jour. Sci. Technology, v. 26, no. 2, p. 47–60.

661 Hernández Ortiz, David, and McAllister, J. F., 1946, Los yacimientos mercurio-antimonales de Huitzuco, Estado de Guerrero: México, Comité Directivo Inv. Recursos Minerales Bol. 6, 31 p. [Spanish translation of U. S. Geol. Survey Bull. 946–B, 1945.]

662 Hill, B. F., 1904, Das Vorkommen der texanischen Quecksilbermineralien: Zeitschr. Kristallographie, Band 39, p. 1–2, Leipzig.

663 Himmel, Hans, 1927, Notz über ein Vorkommen von ged. Quecksilber bei Lautersheim [Pfälz]: Centralbl. Mineralogie, 1927, Abt. A, p. 409–410, Stuttgart.

664 Hinterlechner, Karl, 1918, Über die alpinen Antimonitvorkommen—Maltern (Nied.-Oesterr.), Schlaining (Ungarn) und Trojane (Krain). Nebst Mitteilungen über die Blei-Quecksilber-Grube von Knapovže in Krain: Austria, Jahrb. K.-k. geol. Reichanst., Band 67, p. 341–404, Vienna.

665 Hintze, Carl, 1900, Handbuch der Mineralogie, Band 1, p. 481–640, 641–800, Leipzig.

666 Ho, C. S., 1952, Mineral resources of Taiwan: Formosa Geol. Survey, p. J 1–2.

667 Hoffman, G. C., 1887, Chemical contributions to the geology of Canada: Canada Geol. Survey Ann. Rept. 1886, new ser., v. 2, p. 9 T.

Index no.

668 Hoffman, G. C., 1893, Chemical contributions to the geology of Canada: Canada Geol. Survey Ann. Rept. 1890–91, new ser., v. 5, pt. 2, p. 65–66 R.

669 ——— 1895, Chemical contributions to the geology of Canada: Canada Geol. Survey Ann. Rept. 1892–93, new ser., v. 6, p. 31 R.

670 Holland, C. H., 1918, Note on extraction of mercury from its ores by sodium sulphide: New Zealand Jour. Sci., v. 1, p. 153–154.

671 Hore, R. E., 1917, Occurrence of minerals in Canada: Canadian Min. Manual, p. 117.

672 Huang, Y. S., and Chu, H., 1946, Some remarks on the quicksilver deposits in the Hunan-Kweichow border region: Geol. Soc. China Bull., v. 25, no. 1–4, p. 283–298.

673 Hudson, D. R., 1943, Natural mineral amalgams: Metallurgia, v. 29, p. 53–60, Manchester.

674 Humboldt, Alexander, 1811, Essai politique sur le royaume de la Nouvelle Espagne [Mexico], v. 2, p. 585, Paris.

675 Hummel, Karl, 1925, Ein Zinnoberführender Erzgang im Devon des oestlichen Rheinischen Schiefergebirges: Zeitschr. prakt. Geologie, Jahrg. 33, p. 137–140, 154–167, Halle (Saale).

676 Hunt, T. S., 1863, Mineral species of Canada: Canada Geol. Survey 15th Rept. Progress, p. 518.

677 Hussak, Eugen, 1897, Das Zinnobervorkommen von Tripuhy in Minas Geräis, Brazilien: Zeitschr. prakt. Geologie, Jahrg. 1897, p. 65–67, Halle (Saale).

678 Imperial Mineral Resources Bureau, 1922, The mineral industry of the British Empire and foreign countries: Quicksilver (1913–19), pt. 2, p. 1–39, London.

679 Ingall, E. D., 1897, Mercury [British Columbia]: Canada Geol. Soc. Ann. Rept., 1896, new ser., v. 9, p. 83–85S.

680 Irwin, A. B., 1945, Recent prospecting and exploration for ore deposits in British Columbia and Yukon [Canada]: Western Miner, v. 20, no. 9, p. 43–44, Vancouver.

681 Johnstone, S. J., 1913, The occurrence, distribution and uses of mercury: Great Britain, Imp. Inst. Bull., v. 11, p. 479–495, London.

682 Juretzka, Franz, 1915, Die Verarbeitung quecksilberhaltiger Nebenmaterialien im Zinkhüttenbetriebe [mercury from zinc blende]: Metall u. Erz, Band 12, p. 307–310, Halle.

683 Katzer, Friedrich, 1907, Die Fahlerz- und Quecksilbererzlagerstätten Bosniens und der Hercegovina: Berg- u. hüttenm. Jahrb., p. 145–266, Vienna.

684 Kendall, J. D., 1904, Remarks on Mr. G. F. Monckton's paper on "Cinnabar-bearing rocks of British Columbia": Inst. Min. Eng. Trans., v. 27, p. 469–471, London.

685 Kenney, E. J., 1924, Cadmium and mercury or quicksilver: New South Wales Geol. Survey Bull. 11, p. 1–12.

686 Kinoshita, Kameki, 1939, Quicksilver deposits of Oita prefecture: Jour. Geography, v. 51, no. 604, p. 261–268, Tokyo. [Japanese, English summary, p. 15.]

Index no.

687 Kinoshita, Kameki, 1941, Mercury deposits in Kyushu: Japanese Assoc. Mineralogists Jour., v. 25, nos. 1 and 2, p. 29–35, 66–77. [Japanese.]

688 Kloos, J. H., 1898, Zinnober führende Trachyttuffe vom Monte Amiata in südlichen Toscana: Zeitschr. prakt. Geologie, Jahrg. 1898, Heft 5, p. 158–163, Halle (Saale).

689 ——— 1897, Ein neues Zinnobervorkommen in Toscana: Ver. Naturw. Jahresber., Band 10, p. 227–228, Braunschweig.

690 ——— 1899, Über das Vorkommen des Quecksilber im südlichen Toscana: Ver. Naturw. Jahresber., Band 11, p. 72–75, Braunschweig.

691 Kossmat, Franz, 1911, Geologie des Idrianer Quecksilberbergbaues: Austria, Jahrb. K.-k. geol. Reichsanst., Band 61, p. 339–384, Vienna.

692 Kozhukhov, P. T., 1948, Novoye mestorozhdeniye rtuti na severnom Kavkaze: Akad. Nauk SSR Doklady, tom 59, vypusk 2, p. 295–297.

693 Krusch, Paul, 1896, Vorkommen und Entstehung der Quecksilbererze: Prometheus, Jahrg. 7, Heft 340, p. 437–440; Heft 341, p. 458–461, Berlin.

694 Kupferburger, Wilhelm, and Partridge, F. C., 1934, Notes on the occurrence of cinnabar in the Pretoria district: Geol. Soc. South Africa Trans., v. 36, p. 117–119.

695 Kuthan, Miroslav, 1941, Ortuťové ložiska Slovenska—Das Quecksilbererzlagerstätten der Slowakei, I (Gelnica, Dubník): Slovakia, Štátny Geol. Ústav, Práce sošit 2, 46 p.; II (Mernik): Ibid., sošit 4, 56 p., 1941; III (Malachovo, Banská Štiavnica, Kremnica, Vernár): Ibid., sošit 7, 64 p., 1942. [Czech and German.]

696 Kuzmin, A. M., 1936, Cinnabar in the Kan-Taseyev region, western Siberia: Zapadno-Sibirskoye Geol. Upravleniye Izd. 4, p. 28–31.

697 Kuznetsov, V. A., 1939, Tectonics of the Kuznetsk Alatau and Altai Mountains, U. S. S. R., and genetic relations, character, and extent of mercury deposits in the Laramide orogenic zone: Zapadno-Sibirskoye Geol. Upravleniye Izd. 1, p. 18–29.

698 ——— 1939, The Pezas deposit of cinnabar on the western slope of the Kuznetsk Altai Mountains, Siberia: Zapadno-Sibirskoye Geol. Upravleniye Izd. 3, p. 18–26.

699 Kuznetsov, V. A., and Mukhin, A. S., 1936, New mercury deposits in the Altai Mountains: Zapadno-Sibirskoye Geol. Upravleniye Izd. 1–2, p. 16–22.

700 Lacoix, Alfred, 1897, Matériaus pour la minéralogie de la France—Cinabre de Réalmont; Kaolinite cristallisee de Saint-Mary-le-Plain: Soc. Français minéralogie Bull. 20, p. 118–119.

701 Laguerenne, T. L., 1882, Informe que rinde a la Secretaría de Fomento, como resultado de su exploración a los criaderos metalíferos de la Sierra del Estado de Guerrero: Mexico, Ministerio de Fomento Anales, tomo 7, p. 605–687.

702 Laube, G. C., 1896, Zinnober von Schönbach bei Eger: Tschermaks Mineralogische u. Petrographische Mitt., Neue Folge Band 16, p. 96, Vienna.

703 Leech, G. B., 1953, Geology and mineral deposits of the Shulaps Range: British Columbia Dept. Mines Bull. 32, p. 52–54.

Index no.

704 Liebus, Adalbert, 1902, Berichtigung betreffend das Quecksilbervorkommen von Hořowitz [Bohemia]: Austria, K.-k. geol. Reichsanst. Verh. 1902, p. 293, Vienna.

705 Limanovski, M. M., 1910, Die Tektonischen Verhältnisse des Quecksilberbergbaues in Idria: Akad. Umiejetności Krakow Izv. Internat. 1910, pt. A, p. 367–371.

706 López, V. M., and Brineman, J. H., Jr., 1943, A study of the geology and mining of the mercury deposit of San Jacinto, Estado Lara: Venezuela, Ministerio de Fomento, Rev. Fomento, tomo 5, no. 50, p. 29–64.

707 Lotti, Bernardino, 1897, Das Zinnobervorkommen von Jano bei Volteria in Toscana: Zeitschr. prakt. Geologie, Jahrg. 1897, p. 224, Halle (Saale).

708 ——— 1903, Geologische Verhältnisse und Geneis der Zinnoberlagerstätte von Corte vecchia am Monte Amiata: Zeitschr. prakt. Geologie, Jahrg. 11, p. 423–427, Halle (Saale).

709 ——— 1909, Sui giacimenti cinabriferi del la Aplerjanas nella Sierra Nevada: R. com. geol. Italia Boll., v. 40, p. 395–408.

710 Lüdecke, Otto, 1896, Die Minerale des Harz, p. 3, Berlin.

711 McLaren, D. C., 1943, Mercury—history, chemistry, occurrence, beneficiation, metallurgy, and uses: Western Miner, v. 16, p. 29–32, Vancouver.

712 McNeely, W. M., 1909, Notes on quicksilver: Mexican Min. Jour., v. 9, no. 3, p. 24, Mexico City.

713 Mactear, James, 1897, Mining and metallurgy of quicksilver in Mexico: Inst. Min. Met. Trans., v. 4, p. 69–120, London.

714 Mathews, W. H., 1948, Hardie group [British Columbia], *in* Structural geology of Canadian ore deposits, p. 177–179: Montreal and Quebec, Mercury Press, Ltd.

715 Matuda, K., 1936, Occurrence of cinnabar in a gold placer deposit in north Manchuria: Geol. Soc. Japan Jour., v. 43, no. 516, p. 707. [Japanese.]

716 Merritt, W. H., 1897, Occurrence of cinnabar in British Columbia: Federated Inst. Min. Engineers Trans., v. 13, p. 592–594, Newcastle upon Tyne.

717 Mexican Mining Journal, 1910, Purification of mercury, v. 11, p. 32–33, Mexico City.

718 ——— 1912, Assaying mercury ores, v. 14, p. 30, Mexico City.

719 Mieleitner, Karl, 1919, Die technisch wichtigen Mineralstoffe, p. 118–122, München and Berlin.

720 Mine and Quarry Engineering, 1947, The mercury mines of Tuscany, v. 13, no. 11, p. 325–330, London.

721 Miner, The, 1940, Development of the Empire's largest mercury producer, v. 13, no. 4, p. 37, Canada.

722 Mining Journal, 1917, Concentration of quicksilver ores, v. 118, p. 503–504, London.

723 ——— 1922, New quicksilver policy in Spain, v. 134, p. 24–25, London.

Index no.

724 Mining Journal, 1923, Quicksilver find in Japan, v. 140, p. 111, London.

725 ——— 1939, The Almaden quicksilver industry, v. 205, p. 377, London.

726 ——— 1947, Italian mercury, v. 228, p. 171–172, London.

727 Mitropol'skiy, B. S., 1936, Problems of mercury in the Kuznetsk Alatau, Siberia: Zapadno-Sibirskoye Geol. Upravleniye Izd. 5, p. 50–55.

728 ——— 1937, Mercury in Kuznetsk Alatau: Redkiye metally, tom 6, vypusk 1, p. 26–30, Moskva.

729 Mitropol'skiy, B. S., and Kuznetsov, V. A., 1936, Altai-Salair mercury region: Zapadno–Sibirskoye Geol. Upravleniye Izd. 1–2, p. 60–62.

730 ——— 1936, The Altai-Salair quicksilver zone: Redkiye metally, tom 5, vypusk 4, p. 34–36, Moskva.

731 Modrinaiak, Norbert, 1944, Geophysical investigation of the Puhipuhi mercury deposit: New Zealand Jour. Sci. Technology, v. 26, no. 2, p. 61–65.

732 Molchanov, I. A., 1936, New data of the quicksilver deposit Chagan-Usun in the Altai mountains: Redkiye metally, tom 5, vypusk 2, p. 14–23, Moskva.

733 Monaci, Pietra, 1931, Forno peril tarattamento dei minerali di mercurio: Soc. geol. Italana Boll., v. 50, p. 241–243.

734 Monckton, G. F., 1904, Cinnabar-bearing rocks of British Columbia: Inst. Min. Engineers Trans., v. 27, p. 463–469, London.

735 Moses, A. J., 1904, Eglestonit, Terlinguäit, und Montroydit, neue Quecksilbermineralien von Terlingua in Texas: Zeitschr. Kristallographie, Band 39, p. 3–13, Leipzig.

736 Muellner, A., 1906, Dr. J. A. Scopoli als Werksarzt in Idria 1754 bis 1769: Berg- u. hüttenm. Jahrb., Band 54, p. 261–292, Vienna.

737 Mukhin, A. S., 1937, The Kura mercury deposits in [the] southeast Altai [region]: Zapadno-Sibirskoye Geol. Upravleniye, Vestnik 1, p. 43–51.

738 Mulholland, C. A., 1911, Treatment of low-grade cinnabar ores: Australian Min. Standard, v. 45, p. 565.

739 Müller, O., and others, 1933, Die Quecksilbergrube von Almaden: Metall u. Erz Jahrg. 30, Heft 16, p. 313–316, Halle.

740 Near East, 1921, The Slovenes, v. 20, p. 419–420, London.

741 Neumann, Bernhard, 1921, Zur Geschichte der Quecksilbergewinnung: Zeitschr. angew. Chemie, Jahrg. 34, p. 161, Leipzig.

742 Nevsky, V. A., 1948, Tektonicheskiye brekchii struktur rasslaivaniya surmyanykl i surmyano-rtutnykh mestorozhdenyi Sredney Azii: Akad. Nauk SSSR Doklady, tom 61, vypusk 6, p. 1079–1081.

743 Nöggerath, Adalbert, 1862, Mitteilungen über die Quecksilvergwerke zu Almaden und Almadenejos in Spanien nebst einem Ueberblick der Vorkommisse von Quecksilber im Allegemeinen [California, United States; Mexico]: Zeitschr. Berg-, Hütten- u. Salinenwesen preuss. Staate, Band 10, p. 380, 390, Berlin.

744 Nováček, Radim, 1938, Několik poznámek o našich rtuť'natých rudách: Věda Přírodní rocmk 19, čislo 5, p. 154–156, Praha.

Index no.

745 Novarese, Vittorio, 1895, Die Quecksilbergruben des Monte Amiatagebietes in Toscana: Zeitschr. prakt. Geologie, Jahrg. 1894, p. 60, Halle (Saale).

746 Nuffield, E. W., 1945, Mercurian silver from British Columbia: Toronto Univ. Studies, Geol. ser. 49, p. 71.

747 Ohashi, Rhoiche, 1928, Quicksilver deposits of Otomari district, Japanese Sachalin: Tokyo Geog. Soc., Jour. Geography, v. 40, no. 471, p. 247–250. [Japanese.]

748 Ontario Bureau of Mines, 1897, Cinnabar or sulphide of mercury, found in British Columbia at the Ebenezer mine, Kicking Horse Pass, disseminated through crystalline limestone, 6th Rept., 1896, p. 211.

749 ——— 1917, Mercury in cobalt ores, 26th Ann. Rept., p. 20.

750 Oswald, Wilhelm, 1902, The principles of inorganic chemistry, translated by Alexander Findlay, p. 656–672, London.

751 Pantanelli, Dante, 1896, Rame de mercurio nativi nell' Appenino Emiliano: R. accad. Lincei Atti, Rend., ser. 5, v. 5, p. 11, Rome.

752 Penna, Scorza, Evaristo, 1939, Ocorrência de cinábrio em d. Bosco, Minas Gerais: Brazil, Divisão de Geologia e Mineralogia, Notas Preliminares 18, p. 1–8.

753 Perea, F. L., 1927, Estudio de los criaderos de Azoque enclavados en la Alpujarra: Bol. minas y metalurgía, tomo 11, p. 193–212, Spain.

754 Pérez Siliceo, Rafael, and Gallagher, David, 1946, Informe preliminar de la zone minera de "El Cuarenta," Municipio de San Bernardo, Estado de Durango: Bol. Minas y Petróleo, tomo 17, no. 4, p. 3–7, Mexico.

755 ——— 1946, Informe sobre la geologia de los criaderos de mercurio en la zona minera de nuevo mercurio distrito de Mazapíl, Estado de Zacatecas [México]: Bol. Minas y Petróleo, tomo 17, no. 5, p. 3–6, Mexico.

756 ——— 1947, La geologia de la región mercurial de El Cuarenta, Municipio de San Bernardo, Estado de Durango: México, Comité Directivo Inv. Recursos Minerales Bol. 13, 21 p.

757 ——— 1950, Geologia del distrito mercurial de Huahuaxtla, Estado de Guerrero: México Inst. Nac. Inv. Recursos Minerales Bol. 27, 30 p.

758 Pirogov, L., 1922, Mercury works and mines of Nikitovka: Gornyy Zhur., g. 98, vypusk 10–12, p. 413–415, Moskva.

759 Pitaval, Robert, and Ganet, L., 1917(?), Traite general de commerce des minerals et metaux combustibles, alliages, engrais [etc.], p. 568–572, Paris.

760 Polevoy, P. I., 1923, Useful minerals of the Russian Far East: Geol. Kom. Dal'nevostochnoye Otdeleniye, tom 27, p. 268, Vladivostok.

761 Polkopin, F. D., 1937, Geology and ore deposits of the Chaubai mercury-antimony deposit: Tadzhiksko-Pamirskoy Ekspeditsii 1935, Izdatel'stvo, Moskva, p. 325–368.

762 Popov, S. D., and Timofeyev, A. A., 1940, Useful minerals of the upper course of the Uryumkan River [Eastern Transbaikal]: Akad. Nauk SSSR, Inst. Geol. Nauk, Trudy 38, Min.-Geokhim. ser. 7, 48 p.

Index no.

763 Poyarkov, V. E., 1936, Structure and genesis of the mercury-antimony deposits of Kirghizia: Nauchnyye Itogi Rabot Tadzhiksko-Pamirskoy Ekspeditsii, Akad. Nauk SSSR, Izdatel'stvo, Moskva, p. 393–429. [Russian, English summary.]

764 ——— 1937, Khaidarkan; Geology and mineralization: Akad. Nauk SSSR Trudy 62, 279 p.

765 Preller, G. S., 1943, The place of mercury in peace and war; South African production increasing steadily: South African Min. and Eng. Jour., v. 53, pt. 2, no. 2606, p. 421–422.

766 Presnyakov, Ye. A., 1929, Sur le cinabre en Transbaikalie orientale: Geol. Kom., Vestnik 3, vypusk 8, p. 28–32, Leningrad.

767 Rangel, Manuel, 1911, Apuntes sobre, la distribución de minerales en el Estado de Durango: Soc. Geol. Mexicana Bol., tomo 7, pt. 2, p. 113.

768 Rath, Gerhard vom, 1885, Bericht über die Umgebungen von San Francisco, Santa Cruz, und New Almaden, Californien [Vorträge u. Mittheilungen]: Niederrhenische Gesell. Natur- u. Heilkunde, Sitzungsber., p. 303–317, Bonn.

769 Raynaud, Jean, 1941, Le minerai de la mine d'Almaden (Espagne): Soc. géol. Belgique Annales, v. 64, no. 8, p. B 226–B 237.

770 Redini, Roberto, 1933, Il fenomeno del idrotermalc del Monte Pisano: Soc. géol. Italiana Boll. 52 [no.] 1, p. 52–71.

771 Reed, J. J., 1952, A note on the occurrence of mercury in the Wairarapa: New Zealand Jour. Sci. Technology, sec. B, v. 34, p. 150–153.

772 Reis, O. M., 1906, Der Potzberg, seine Stellung im Pfälzer Sattel: Geog. Jahres., Band 17, p. 93–233, Munich.

773 Reitler, E., 1936, Deutsches Quecksilber: Chem.-Zeitung 60, p. 365–369, Cöthen.

774 Revista Minera, Metalúrgica y de Ingeniería, 1921, Real decreto autorizando al Consejo de administración de las minas de Almadén para vender el azogue que se produzca en dichas minas, año 72, p. 675–677, Madrid.

775 Richardson, J. A., 1947, Alluvial cinnabar in northwest Pahang, Malaya: Inst. Min. Metallurgy Bull. 490, p. 19–23, London.

776 Richmond's South African All Mining Yearbook, 1953, Swaziland mineral occurrences, compiled from the annual report of the Swaziland Geol. Survey Dept., 1945–51, p. 526, Technical Map Service, Johannesburg.

777 Richter, Karl, 1939, Quecksilber; Geochemie, Lagerstättenübersicht and Produktionslage Grossdeutschlands und der Welt: Montan. Rundschau Jahrg. 31, nos. 2–3, p. 33–36, 57–62, Vienna.

778 Roberts, William, 1924, A reconnaissance in Turkestan and southern Siberia: Mining Mag., v. 30, no. 6, p. 332, London.

779 Rodolico, Francesco, 1929, Ricerche cristallographiche sul cinabro di Idria: R. accad. Lincei Atti, Rend., ser. 6, v. 9, p. 176–179, Rome.

780 Rolland, M. G., 1878, La metallurgie de mercure en California: Soc. d'encouragement, p. 85, Paris.

781 ——— 1878, Les gisements de mercure de California: Soc. Français minéralogie Bull. 1, p. 98–104.

Index no.

782 Rose, H., 1912, Über die Dispersion des Zinnobars: Centralbl. Mineralogie, 1912, p. 527–531, Stuttgart.

783 ——— 1921, Optische und Lichtelektrische Untersuchungen am Zinnobar: Zeitsch. Kristallographie, Band 56, p. 427–428, Leipzig.

784 Rosenlecher, R., 1894, Die Quecksilbergruben Toscanas: Zeitschr. prakt. Geologie Jahrg. 1894, p. 337, Halle (Saale).

785 Royal Society of Arts, 1899, Australian quicksilver [New South Wales]: Jour., v. 47, p. 884, London.

786 ——— 1920, The Italian quicksilver industry, v. 68, p. 705–706, London.

787 Royer, M. L., 1931, Sur la presence du mercure dans les environs de Montpellier [France]: Soc. Français minéralogie Bull., 1930, v. 53, no. 7–8, p. 519–524.

788 Russkiy Geologicheskiy Komitet, 1927, Compte-rendu des Travaux du Comité Géologique in 1913: Izv. tom 33, min. syr'ya SSSR, vypusk 37, p. 1–76, Leningrad.

789 Rzehak, A., 1905, Die Zinnoberlagerstätte von Vallalta-Sagron:Zeitschr. prakt. Geologie, v. 13, p. 325–330, Halle (Saale).

790 Sachs, Arthur, 1907, Zinnoberkristalle aus Sonoma County in Kalifornien; Gips und Kalkspathkristalle von Terlingua in Texas: Centralbl. Mineralogie, 1907, p. 17–19, Stuttgart.

791 Sadikov, V. S., 1935, Rasprostranennost'rtuti: Priroda, vypusk 2, p. 60, Leningrad.

792 Salazar, J. B., 1941, Minas de mercurio en Huitzuco [Mexico]: Rev. Mexicana Geografía, tomo 2, nos. 3–4, p. 11–19.

793 Sampelayo, P. H., 1926, Yoldi, Ade Sierra y and others, Minas de Almaden: 14e Cong. géol. internat., Madrid, 1926, Excursion B 1, p. 1–102.

794 ——— 1946, Aportación a la bibliografía del mercurio en España: Spain Inst. geol. y minero, Notas y Com. no. 16, p. 373–381.

795 Sandberger, Karl Ludwig Fridolin von, 1875, Über merkwürdige Quecksilbererze aus Mexico: K. bayer. Akad. Wiss. München Sitzungsber., Band 5, Heft 2, p. 202–205.

796 Sanderson, L., 1942, Mercury; empire resources are quite inadequate: Canadian Min. Jour., v. 63, p. 445–446.

797 Saukov, A. A., 1930, Le gisement de cinabre de Nertchinsk: Akad. Nauk SSSR Doklady, tom A., vypusk 12, p. 315–320.

798 ——— 1932, The quicksilver-antimony ore deposit in Khaidarkan: Pamir Ekspeditsii 1930 Izd., vypusk 3, p. 33–87, Akad. Nauk SSSR, Leningrad.

799 ——— 1946, The geochemistry of mercury: Akad. Nauk SSSR, Inst. Geol. Nauk, Trudy 78, Min.-Geokhim. ser. 17, 129 p.

800 Saukov, A. A., and Aidinyan, M. Kh., 1940, On the oxidation of cinnabar: Akad. Nauk SSSR, Inst. Geol. Nauk, Trudy tom 39, Min.-geokhim. ser. 8, p. 37–40. [Russian, English summary.]

801 ——— 1941, The clarke of mercury in the earth's crust: Akad. Nauk SSSR Doklady, tom 32, vypusk 5, p. 358–360.

Index no.

802 Schrauf, Albrecht, 1894, Aphorismen über Zinnober: Zeitschr. prakt. Geologie, Jahrg. 1894, p. 10–18, Halle (Saale).

803 Schulze, Alfred, 1921, Die physikalischen Eigenschaften des Quecksilbers: Zeitschr. Metallkunde, Band 13, p. 105–113, 138–148, Berlin.

804 Segura, David, 1928, El mercurio en México: Bol. Minero, tomo 26, no. 1, p. 16–49, Mexico.

805 Shakhov, G. A., and Slobodska, Ya. Ya., 1932, Roasting of concentrates containing quicksilver and antimony and their separation by successive roasting: Tsvetnyye Metally, vypusk 1, p. 23–28, Moskva.

806 Shcherbakov, D. I., 1935, New data about antimony-quicksilver deposits of central Asia: Redkiye metally, tom 4, vypusk 5, p. 29–38, Moskva.

807 Shcherbakov, D. I., and Sosedko, A. F., 1928, The South Ferghana expedition to study deposits of antimony and mercury: Akad. Nauk SSSR, Doklady, tom A, vypusk 11, p. 181–186.

808 Sinitsyn, N. M., 1948, O regionalnykh strukturakh, kontroliruyushchikh rtutno-surmyanoye orudeneniye yuzhnoy Fergany: Akad. Nauk SSSR, tom 59, vypusk 3, p. 537–539.

809 Sjögren, Hjalmar, 1898, Fynd af gediget sulfver, kvicksilfver, amalgam och cinober i Sala Grufva: Geol. Fören. Stockholm Förh. band 19, p. 21–24.

810 Smirnov, V. I., 1945, On stages and forms of deposition of ore-bearing minerals in antimony-mercury deposits of Central Asia: Vserossiyskoye Min. Obshch. Zap., tom 74, vypusk 3, p. 230–231.

811 Sociedad Nacional de Minería, Santiago de Chile, 1919, Sobre la industria minera del azogue en Italia i en los Estados Unides: Bol. Minero, tomo 31, no. 240, p. 136–140.

812 Spain, Ministerio de Fomento, Agricultura, Minas y Montes, 1921, Estadística minera de España, formada y publicada, por el Consejo de Mineria, año 1920, p. 471–488, 503, diagrams, Madrid.

813 Spirek, Vincent, 1897, Das Zinnobererzvorkommen an Monte Amiata: Zeitschr. prakt. Geologie, Jahrg. 1897, p. 369–374, Halle (Saale).

814 Stefani, Carlo de, 1895, Un nuovo giacimento di mercurio in Val di Taro: Soc. toscana sci. nat. Atti, Procès Verbaux, v. 10, p. 35.

815 Steinmetz, Hermann, and Gossner, Balthasar, 1915, Krystallographische Untersuchungeiniger Pfälzer Mineralien: Zeitschr. Kristallographie, Band 55, p. 156–161, Leipzig.

816 Sterner-Rainer, Roland, 1914, Der derzeitige des Quecksilberhüttenwesens in Europa: Oesterr. Zeitschr. Berg- u. Hüttenwesen, Band 62, p. 531, Wien.

817 Stevenson, J. S., 1940, Mercury deposits of British Columbia: British Columbia Dept. Mines Bull. 5, 93 p.

818 Sugiyama, Riuji, 1944, Geological studies in some districts of quicksilver deposits, with reference to the problems of ore bringers: Tokyo Sci. Mus. Bull. 16, 34 p.

819 Suloyev, A. I., and Ponomarev, A. L., 1935, The Khaidarkan mercury-antimony-fluorite deposit [region of Mednaya Gora, U. S. S. R.]: Inst. Prikladnoy Mineralogiy, Moskva, Trudy 71, 78 p. [Russian, English summary.]

Index no.

820 Svetolik, Stevanovitch, 1922, Recherches cristallographiques et optiques sur la cinabre de l'Avala: Soc. Français minéralogie Bull., v. 45, p. 134–161.

821 Takahashi, Jun-ichi, 1942, Cinnabar placer of Merei, south Sakhalin: Japanese Assoc. Mineralogists Jour., v. 28, no. 6, p. 277–299.

822 Takaybatake, Akira, and Hasimoto, Kimihisa, 1943, Geology and ore deposits of the Yamato mine, Nara prefecture, Japan: Geol. Soc. Japan Jour., v. 50, no. 603, p. 302–309.

823 Tamayo, Augusto, 1904, Mina de cinabrio "Santa Barbara" en Huancavelica: Peru, Ministerio de Fomento Bol., tomo 2, p. 38–43.

824 Technische Blätter, 1936, Wideraufnahme der Quecksilbergewinnung der Pfälz [resumption of mercury mining in Palatinate], Band 16, no. 13, p. 213–214, Berlin.

825 Terengren, F. R., 1920, The quicksilver deposits of China: China Geol. Survey, Bull. 2, p. 1–35.

826 Termier, Pierre, 1897, Sur le cinabre et l'Onofrite de Oven-Shan-Tchiang: Soc. Français minéralogie Bull., v. 20, p. 204–210.

827 Thornhill, E. B., 1915, Recovery of mercury from residues of amalgamated cobalt ores: Canadian Min. Inst. Monthly Bull. 36, p. 263–268.

828 Tokody, Ladislaus, 1933, Neuere Vorkommen einiger ungarischen Mineralien: Földtani Közlöny 42, p. 187–194, Budapest.

829 Torres, V. D., 1942, El mercurio de Puno y el magnesio de valle de Chicama: Peru, Cuerpo Ingenieros Minas Bol. 128, 57 p.

830 Toso, P., 1915, Contributo allo studio dei giacimenti cinabriferi del Monte Amiata: R. com. geol. Italia Boll. v. 44, p. 157–177.

831 Troegel, Hans, 1930, Überblick über Vorkommen und Verhüttung des Zinnobers: Metall u. Erz, Band 27, Heft 10, p. 253–258, Halle.

832 Troegel, Hans, and Ahlfeld, Friedrich, 1920, Die Zinnobervorkommen in der Südlichen Toskana: Zeitschr. prakt. Geologie, Jahrg. 28, p. 21–28, 37–46, Halle (Saale).

833 Trythall, Frank, 1921, Quicksilver mining in China: Mining Mag., v. 24, p. 187–189, London.

834 Umegaki, Yoshiharu, 1952, Studies on quicksilver deposits with special reference to some considerations on their genesis in the southwestern part of Japan: Hiroshima Univ., Jour. Sci., ser. C (Geology), v. 1, no. 2, 56 p.

835 Umlauff, A. F., 1904, El cinabrio de Huancavelica: Peru, Cuerpo Ingenieros Minas Bol. no. 7, p. 3–62.

836 Umschau, 1939, Vom Quecksilberbergbau in der Pfälz, Band 43, p. 450, Frankfort on the Main.

837 Vanni, Manfiedo, 1928, Le miniere me curifere del monte Labbro e della Bagnore in Toscana: R. soc. geografica Italiana Boll. v. 65, no. 5–6, p. 295–314.

838 Varley, E. R., 1944, The international mercury situation—A statistical survey of world resources: Metal Industry, v. 64, p. 178–180, London.

Index no.

839 Veen, A. L. W. E. van der, 1913, Die Beweglichkeit des Silbers in Zinnobererde: Centralbl. Mineralogie, 1913, p. 257, Berlin.

840 Villarello, J. D., 1903, Génesis de los yacimientos mercuriales de Palomas y Huitzuco en los Estados de Durango y Guerrero de la Republica Mexicana: Soc. Cient. Antonio Alzate Mem. y Rev., tomo 19, p. 95–136, Mexico.

841 ——— 1904, Descripción de los criaderos de mercurio de Chiquilistlán Jalisco [México]: Soc. Cient. Antonio Alzate Mem. y Rev., tomo 20, p. 389–397, Mexico.

842 ——— 1906, Descriptión des mines "La Bella Union" (État de Guerrero); Génèse des gisements de mercure: Soc. Cient. Antonio Alzate Mem. y Rev., tomo 23, p. 395–411, Mexico.

843 Vivian, William, 1865, Observations on the mining district of Sonora, Tuolumne County, Calif.: Cornwall Royal Geol. Soc. Trans., v. 7, p. 216–219.

844 Wendeborn, B. A., 1904, Die Quecksilberablagerungen in Oregon: Berg- u. hüttenm. Zeitung, Band 63, p. 274–277, Leipzig.

845 Whittle, Tomas, 1932, Exploración de las minas de mercurio: Soc. Nac. Minería (Chile) Bol. Minero, año 48, tomo 44, no. 393, p. 3–6.

846 Wilson, J. S., 1854, On the gold regions of California: Geol. Soc. London Quart. Jour., v. 10, p. 320–321.

847 Wilson, N. W., 1945, Geology of the Monarch cinnabar mine, Transvaal, South Africa: Inst. Min. Metallurgy Bull. 470, 24 p., London.

848 Wittich, Ernesto, 1920, Observaciones acerca de placeres de cinabrio y oro, encontrados en el distrito de Guadalcázar, S. L. P. [San Luis Potosí, México]: Bol. Minero, tomo 10, nos. 3–4, p. 253–256, Mexico.

849 ——— 1920, La fluorita en los criaderos de contacto y de cinabrio de Guadalcázar, S. L. P. [San Luis Potosí, México]: Petróleo, tomo 13, p. 10, Mexico.

850 ——— 1920, Criaderos de cinabrio en las tobas basálticas del Cerro El Gigante, Guanajuato: Petróleo, tomo 13, p. 7, 10, Mexico.

851 ——— 1921, Über das Vorkommen von Quecksilbersulfiden in Sanden der Goldseifen bei Guadalcázar, San Luis Potosí, Mexiko: Zeitschr. prakt. Geologie, Jahrg. 29, Heft 6, p. 91–93 Halle (Saale).

852 Wittich, Ernesto, and Ragotzy, Federico, 1921, La geologia de la región minera de Guadalcázar, San Luis Potosí: Bol. Minero, tomo 12, no. 6, p. 661–667; Soc. Cient. Antonio Alzate Mem. y Rev., tomo 40, p. 145–178, 1922, Mexico.

853 Wong, Wen-Hao, 1919, The mineral resources of China: China Geol. Survey Mem., ser. B, no. 1, p. v, 201–203.

854 Woodring, W. P., Brown, J. S., and Burbank, W. S., 1924, Geology of the Republic of Haiti: Republic of Haiti, Dept. Public Works, Portau Prince, p. 24.

855 Wray, D. A., 1921, The geology and mineral resources of the Serb-Croat-Slovene State, being the report of the geologist attached to the British Economic Mission to Serbia: Great Britain, Dept. Overseas Trade, Ref. F. E. 383, p. 54–57.

Index no.

856 Zachariasen, William, 1926, Die Kristallstruktur der Telluride von Zink, Cadmium, und Quecksilber: Norsk geol Tidsskr., Bind 8, p. 302–306, Oslo.

857 Zakharov, Yevgeniy, 1936, On the geological structure of the Nikitovka mercury deposits in the Donets Basin: Akad. Nauk SSSR Izv., Otd. Matematicheskikh i Yestestvennika Nauk, Ser. geol. 1, p. 185–198. [Russian, English summary.]

858 Zimanyi, Karl, 1906, Über den Zinnober von Alsosájó und die Lichtbrechung des Zinnobers von Almaden: Zeitschr. Kristallographie, Band 41, p. 439–454, Leipzig.

MISCELLANEOUS REPORTS

859 Austin, L. S., 1909, The metallurgy of the common metals, 2d ed., p. 126–127, 244: San Francisco, Min. and Sci. Press.

860 Beck, Richard, 1905, The nature of ore deposits, v. 2, p. 350–360: New York and London, Eng. and Min. Jour. [German, translated by W. H. Weed.]

861 Becker, G. F., 1885, Statistics and technology of the precious metals—geological sketch of the Pacific division [cinnabar, metacinnabarite, and quicksilver]: U. S., 10th Census, v. 13, p. 10, 15–16, 23–28.

862 Blake, W. P., 1867, Annotated catalogue of the principal mineral species hitherto recognized in California and the adjoining States and Territories, *in* Browne, J. R., Mineral resources of the States and Territories west of the Rocky Mountains for 1866, p. 202, 207.

863 Browne, J. R., 1867, Quicksilver mines of California: Min. Res. of the States and Territories west of the Rocky Mountains for 1866, p. 170, 178.

864 ——— 1868, Quicksilver: Min. Res. of the States and Territories west of the Rocky Mountains for 1867, p. 263–264.

865 Burdick, A. J., 1917, Chemical tests for minerals, p. 55–56: Beaumont, Calif., Gateway Publishing Co.

866 Butler, G. M., 1917, A pocket handbook of minerals, 1st ed., p. 55–56: Beaumont, Calif., Gateway Publishing Co.

867 Collins, W. F., 1922, Mineral enterprise in China, p. 67–68: Tientsin.

868 Egleston, Thomas, 1887–90, The metallurgy of silver, gold, and mercury in the United States, 2 v.: New York, John Wiley & Son; London, Offices of "Engineering."

869 Emmons, S. F., and Becker, G. F., 1885, Statistics and technology of the precious metals; placer mines, amalgamating mills: U. S., 10th Census, v. 13, p. 200, 259, 264–265, App. I, p. 455.

870 Emmons, W. H., 1918, The principles of economic geology, p. 551: New York, McGraw Hill Book Co.

871 Fortune, 1944, Great quicksilver bonanza, v. 29, p. 148–150.

872 Harper's New Monthly Magazine, 1865, Down in the cinnabar mines; a visit to New Almaden in 1865, v. 31, p. 545–560.

873 Hilpert, L. S., 1947, Mercury resources of Japan: Allied Powers, GHQ, Tokyo, Nat. Res. Sec. Rept. 91, 62 p.

Index no.

874 Kemp, J. F., 1893, The ore deposits of the Unied States, 1st ed., p. 267–269, 1893; 2d ed., p. 309–312, 1895; 3d ed. ["and Canada" added to title], p. 424–428; New York and London, The Sci. Publishing Co.

875 Lindgren, Waldemar, 1913, Mineral deposits, p. 426: New York, McGraw-Hill Book Co.

876 Lovering, T. S., 1943, Minerals in world affairs, p. 333–340: New York, Prentice-Hall, Inc.

877 Moses, A. J., and Parsons, C. L., 1916, Elements of mineralogy * * * [mercury or quicksilver minerals], 5th ed., p. 373–378: New York, D. Van Nostrand Co.

878 Penzer, N. M., 1923, The mineral resources of Burma, p. 120: London, G. Routledge & Son; New York, E. P. Dutton Co.

879 Phillips, J. A., 1884, A treatise on ore deposits, p. 69, 558–561, 583, illus.: London, Macmillan & Co.

880 Phillips, J. A., and Louis, Henry, 1896, A treatise on ore deposits [mercury], 2d ed., p. 116, 117, 135, 142, 746, 791–796, 829, 830, 867, illus.: London and New York, Macmillan & Co., Ltd.

881 Randol, J. B., 1877, Quicksilver in California, *in* Raymond, R. W., Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 8th Ann. Rept., 1875, p. 4–21.

882 ——— 1890, California quicksilver, a table showing the production for the past six years: 13 p., San Francisco.

883 ——— 1890, Quicksilver and the tariff in the House of Representatives and elsewhere: 20 p., San Francisco.

884 ——— 1892, Report on mineral industries in the United States: Quicksilver: U. S., 11th Census, p. 179–245.

885 Ransome, F. L., 1920, Mercury, *in* J. E. Spurr, Political and commercial geology and the world's mineral resources, p. 337–348: New York, McGraw-Hill Book Co.

886 Rastall, R. H., 1923, The geology of the metalliferous deposits, p. 396–403: Cambridge, Cambridge Univ. Press.

887 Raymond, R. W., 1869, New Almaden quicksilver mines: Min. res. of the States and Territories west of the Rocky Mountains for 1868, p. 9–11.

888 ——— 1870, Production of quicksilver during 1869: Statistics of mines and mining in the States and Territories west of the Rocky Mountains for 1869, p. 759.

889 ——— 1872, Condition of the mining industry [quicksilver in California]: Statistics of mines and mining in the States and Territories west of the Rocky Mountains for 1870, p. 15, 29, 528.

890 ——— 1872, Chemistry of the Washoe process—Chemical action of mercury and other reagents: Statistics of mines and mining in the States and Territories west of the Rocky Mountains for 1870, p. 404–405, 413, 414.

891 ——— 1873, Quicksilver: Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 5th Ann. Rept., 1872, p. 9, 497.

Index no.

892 Raymond, R. W., 1873, Quicksilver, production and exports of: Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 4th Ann. Rept., 1871, p. 523.

893 ——— 1874, Condition of the mining industry [quicksilver in California and Nevada]: Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 6th Ann. Rept., 1873, p. 27–39, 196–197.

894 ——— 1874, The mining and metallurgy of quicksilver: Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 6th Ann. Rept., 1873, p. 379–407.

895 ——— 1875, Condition of the mining industry [quicksilver in California, Nevada, and Oregon]: Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 7th Ann. Rept., 1874, p. 13, 15, 173, 189, 271, 316, 317.

896 ——— 1877, Condition of the mining industry [quicksilver in California]: Statistics of mines and mining in the States and Territories west of the Rocky Mountains, 8th Ann. Rept., 1875, p. 3–15, 18–21.

897 Reed, J. C., and Wells, F. G., 1942, Quicksilver deposits of southwest Arkansas, *in* Newhouse, H., and others, Ore deposits as related to structural features, p. 195: Princeton, N. J., Princeton Univ. Press.

898 Richardson, C. H., 1913, Economic geology, p. 126–130: New York, McGraw-Hill Book Co.

899 Ries, Heinrich, 1937, Economic geology, 7th ed., p. 653–660: New York, John Wiley & Son, Inc.; London, Chapman & Hall, Ltd.

900 Ross, C. P., 1942, Quicksilver lodes of the Terlingua region, Texas, *in* Newhouse, W. H., and others, Ore deposits as related to structural features, p. 193–195: Princeton, N. J., Princeton Univ. Press.

901 Roush, G. A., 1939, Strategic mineral supplies, p. 275–304: New York, McGraw-Hill Book Co.

902 Shimkin, D. B., 1953, Minerals, a key to Soviet power, p. 4, 15, 28, 31, 94, 151, 152, 154, 162, 165, 296, 303, 304, 305, 308, 314, 330, 332, 334, 341, 350, 352, 353, 360, 361, 377, 388: Cambridge, Harvard Univ. Press.

903 Spencer, L. J., 1916, The world's minerals, p. 68–69, pl. 6, figs. 2, 3, 1911; 2d ed., with an appendix by W. D. Hamman, p. 88–89, 272–282: New York, Frederick A. Stokes Co.

904 Struthers, Joseph, 1905, Quicksilver: U. S. Bur. Census, Special Repts., Mines and quarries, p. 649–657.

905 United States Tariff Commission, 1918, Conferences on the quicksilver industry of the United States: 199 p., San Francisco.

906 Wells, W. V., 1863, A visit to the quicksilver mines of New Almaden: Harper's New Monthly Mag., p. 25–40.

907 Whitaker, A. P., 1941, Huancavelica mercury mine; a contribution to the history of the Bourbon renaissance in the Spanish Empire: 150 p., Cambridge, Harvard Univ. Press.

908 Whitney, J. D., 1854, The metallic wealth of the United States [mercury] p. 186–187, 193–197: Phila., Lippincott, Grambo & Co.

SUBJECT INDEX

A — Index no.

Alaska, general 14, 15, 16, 17, 18, 19, 20, 84, 100, 101, 225, 284
- Akiak district 24, 154
- Bethel district, Kuskokwim region 153
- Cinnabar Creek area, Georgetown and Akiak districts 24, 154
- Fortymile quadrangle 74
- Georgetown district 24, 113, 154
- Kuskokwim region 68, 99, 102, 153, 154
- Lake Clark-Central, Kuskokwim district 99
- Nushagak district 23
- Rainy Creek deposit, Bethel district, Kuskokwim district 153
- Ruby-Kuskokwim region 69
- Sleitmut, Georgetown district 113
- southwestern 23, 24, 104, 113, 153, 154, 165
- Tolovana district 70
- Tolstoi district 47
- Yukon region 68
- Yukon-Tanana region 74

Amalgams 673, 809, 869

Analyses of mercury ore. *See* Ores.

Anticlinal theory as applied to quicksilver deposits. *See* Ore deposits.

Arizona, general 16, 229, 274, 275, 276, 533, 862
- central western 6
- Dreamy Draw mine, Maricopa County 381
- Gila County 79, 391, 419, 438
- Lees Ferry 420
- Maricopa County 79, 94, 381
- Mazatzal Range, Gila County 79, 391, 419, 438
- Phoenix Mountains, Maricopa County 94, 381, 449
- Yuma County 7

Arkansas, general 111, 140, 147, 164, 221, 404, 506, 530
- Clark County 116, 147
- Howard County 147
- Humphreys and Caddo mines, Clark County 116
- Little Missouri River area 39, 478
- Ozark Quicksilver Corp., Pike County 114
- Parnell Hill mine, Pike County 507
- Pike County 39, 114, 147, 160, 501, 507
- southwestern 85, 156, 160, 186, 477, 478, 508, 897

Asia, central 742, 806, 810

Asia Minor, Kana-Barun 538

Assay for mercury. *See* Ores.

Assaying quicksilver ores. *See* Ores.

Australia, general 553, 587, 633
- Kilkavin, Queensland 607, 614
- New South Wales 456, 581, 685, 785
- Queensland 607, 614

Index no.

Austria 539, 664
- Schönbach 631, 702
- Steiermark, Kärnten and Krain 539, 597, 664

B

Belgium, Rocheux 586

Beneficiation of mercury. *See* Ores.

Bibliography 36, 37

Bolivia, Lake Titicaca region 542

Brazil, Minas Gerais 647, 752
- Tripuhy 677

British Empire 678, 796

Burma 878

C

California, general 43, 67, 121, 122, 164, 166, 183, 191, 193, 197, 201, 202, 211, 219, 220, 222, 243, 244, 364, 440, 441, 445, 511, 523, 560, 573, 780, 781, 846, 861, 862, 864, 881, 882, 889, 891, 893, 895, 896.
- Abbott mine, Lake County 167, 263
- Alameda County 49, 261
- Altoona mine, Trinity County 253
- Cachuma district, Santa Barbara County 207
- Cloverdale mine, Sonoma County 144, 311, 465
- Coast Ranges 239, 270
- Colusa County 182, 262, 359, 448
- Contra Costa County 88
- Coso district, Inyo County 92, 136, 150, 160
- Coso Mountains 160, 213, 260, 524
- Del Norte County 233
- Del Puerto area, Stanislaus County 48
- eastern 73, 90
- El Dorado County 255
- Fresno County 184, 204, 278
- Glenn County 182
- Grass Valley district, Nevada County 57
- Great Eastern mine, Sonoma County 265, 447
- Great Western mine, Lake County 190, 304, 535
- Guadalupe mine, Santa Clara County 130, 298, 323, 393, 522
- Guerneville district, Sonoma County 236
- Helen Quicksilver mine, Lake County 279
- Hot Springs deposit, Coso County 213
- Humboldt County 231
- Inyo County 92, 136, 203, 260, 524
- Kern County 177, 371
- Kings County 1, 184, 224
- Knoxville district, Yolo, Napa, and Lake Counties 171
- Lake County 89, 90, 144, 167, 170, 171, 182, 190, 205, 263, 279, 304, 341, 42.., 423, 455, 460.
- Livermore area 49
- Marin County 182

California—Continued Index no.
Mariposa County 184
Mayacmas district, Lake County 89, 172, 279
Merced County 5, 175
mines 219, 243, 445, 523, 863
Modoc County 90
Monterey County 32, 185, 212, 298, 351
Mother Lode district 75
Mount Diablo district, Contra Costa County 88
Napa County 146, 171, 182, 210, 279
Nevada City district, Nevada County 57
New Almaden mine, Santa Clara County 2, 3, 4, 25, 31, 66, 131, 173, 174, 289, 291, 297, 298, 302, 318, 319, 342, 343, 380, 383, 392, 414, 493, 497, 768, 864, 872, 887, 906.
New Idria district, San Benito County 148, 157, 192, 196, 204, 315, 409, 424, 429, 453, 864, 871
northern 90, 338, 396, 428
Oakville district, Napa County 210
Oat Hill mine, Napa County 146
Oceanic mine, San Luis Obispo County 142, 349, 382
Orange County 234
Parkfield district, Kings County 1
Patriqui mine, Monterey County 351
Pine Flat district, Sonoma County 265, 442
Placerville 60
production 227
Reed quicksilver mine, Yolo County 375
San Benito County 5, 148, 157, 175, 185, 192, 196, 204, 278, 315, 409, 424, 429, 453
San Francisco area 56, 181
San Luis Obispo County 32, 142, 185, 215, 349, 382, 446
San Mateo County 479
Santa Barbara County 185, 207
Santa Clara County 2, 3, 4, 5, 25, 66, 130, 131, 173, 174, 175, 264, 289, 291, 297, 298, 302, 318, 319, 323, 342, 343, 380, 383, 392, 393, 414, 493, 497, 522, 887, 906.
Siskiyou County 188
Skaggs Springs mine, Sonoma County 206
Smartsville area 61
Solano County 182
Sonoma County 144, 166, 172, 182, 206, 236, 265, 311, 442, 447, 465, 790
Sonora area 108, 843
Stanislaus County 48, 266
Stayton district, San Benito, Santa Clara and Merced Counties 5, 175
Sulphur Bank mine, Lake County 89, 133, 144, 205, 375, 421, 423
Sulphur Creek mines, Colusa County 262, 448
Summit quicksilver mine, Stanislaus County 266
Trinity County 188, 253
Tuolumne County 843
upper 428
Walibu mine, Kern County 177
Yolo County 171, 182, 375
Calomel 388
Canada, general 596, 616, 671, 676, 796
British Columbia 601, 603, 648, 667, 668, 669, 679, 680, 684, 716, 721, 734, 746, 817

Canada—Continued Index no.
Cobalt area, Ontario 436
Ebenezer miner, Kicking Horse Pass, British Columbia 748
Hardie group, British Columbia 714
Hardy Mountain 285
Homathco, British Columbia 601
Kamloops Lake district, British Columbia 285, 576, 577, 602
Nicola district, British Columbia 577, 593
northern 549
Omineca mining division 551
Ontario 436
Pinchi Lake, British Columbia 546, 547, 548, 550, 578, 721
Savonas, British Columbia 569
Shulaps Range 703
Tyaughton Lake, British Columbia 575
Vancouver Island, Barkley Sound 611
Windermere district, British Columbia 525
Yale district, British Columbia 577
Yukon 680
Chemistry of mercury 46, 363, 412, 711, 750
Chile 63, 588, 845
China 589, 590, 623, 825, 833, 853, 867
Hunan-Kweichow 672
mining 556, 623
Oven-Shang-Tchiang 826
Cinnabar, general 199, 861
color variation 334
deposition, collodial 473
development of a deposit 599
dispersion 782
genesis of deposits 317
interposition of, in quartz 199
light, action on cinnabar 600
oxidation 800
sunlight, darkening of cinnabar 332
Clarke of mercury 801
Coccinite 456
Colombia, general 594
Cajamarca 567
Quinditu, Tolima 651
Colorado, general 35, 96, 122
Cochetopa Creek district, Sagauche County 109
La Plata Mountains 368
Sagauche County 109, 306
Smith mercury mines, Sagauche County 306
Concentrating mercury. *See* Ores.
Condensing quicksilver 137, 370
Conserving quicksilver 484, 544
Consumption of mercury 618
Crystallized mercury structure 543, 643, 655
Crystals 67
Czechoslovakia 695
Bohemia 704

D

Deposits. *See* Ore deposits.
Determination of mercury 132, 135, 271, 397, 495
microscopic 97
Dispersion of cinnabar. *See* Cinnabar.
Dutch East Indies 615
Dutch Guiana 464

E

Index no.

Eglestonite 457, 479
Europe 395, 816
Exploration for mercury 149, 150
Extraction of mercury from ores. *See* Ores.

F

Flotation of quicksilver ore. *See* Ores.
Foreign deposits 83
industry 510
Formosa 666
France, Avala 820
Manche, Chapelle-Enjunger 555
Montpellier 787
Réalmont 700

G

Gangues of mercury. *See* Ores.
General 80, 120, 149, 155, 159, 197, 226, 307, 378, 529, 531, 537, 557, 633, 712, 719, 733, 759, 866, 869, 870, 876, 883, 898, 899, 901.
Genesis of quicksilver deposits. *See* Ores.
Geochemistry 26, 333, 358, 486, 777, 799
Geology 9, 248, 482, 886
Germany, general 675, 773, 777
Bavaria 620, 663, 824
Harz 710
Palatinate 620, 663, 772, 815, 824, 836
Rhineland 630

H

Haiti 361, 854
History of mercury 401, 402, 488, 528, 711, 741
Hot springs deposits. *See* Ore deposits.
Hungary 828
Zalatna 636

I

Idaho, general 122, 166, 180, 230, 247, 299, 862
Cassia County 228
central 179
Hermes mine, Valley County 150, 305
Idaho Almaden mine, Washington County 169, 451
Yellow Pine district, Valley County 55, 95, 305
Valley County 55, 96, 166, 305
Idria *See* Yugoslavia.
India, Chitral River 624
Indo China, Tonkin 637
Italy, general 337, 707, 726, 786, 811
Emilia 751, 814
Jano 707
Monte Amiata, Tuscany 554, 585, 688, 708, 745, 818, 830
Monte Pisano 770
San Salvador mine 405
Tuscany 621, 689, 690, 720, 784, 832, 837
Val di Taro 814

J

James apparatus 397
Japan, general 145, 818, 873
Horokania, Ishikara 654
Kyushu 687

Japan—Continued

Index no.

Merei placer, Sakhalin 821
Nagasaki prefecture 724
Nara prefecture 822
Oita prefecture 686
Otomari district, Sakhalin 747
southwest 834

K

Kleinite 388

L

Landers mercury furnace 348
Light, action of cinnabar. *See* Cinnabar.
Livingstonite reduction 433
Loss of quicksilver 137, 496, 499

M

Mactear Franks furnace 366
Malacca 568
Malaya, Pahang 775
Manchuria, Chinglung prefecture, Chouchangtze district, Jehol province 552
northern 715
Mercury, in dry lakes 194
poisoning 134
Metacinnabarite 66, 200, 466, 861
Metallurgy 138, 183, 282, 287, 314, 336, 394, 437, 476, 490, 491, 511, 582, 617, 711, 780, 859, 868, 894
See also Ores.
Mexico, general 283, 367, 450, 562, 563, 628, 632, 674, 713, 743, 795, 804
Canoas deposits, State of Zacatecas 40
Chihuahua, State 641
Chilquilistlán 841
Colotlipa, State of Guerrero 639
Cuarento district, State of Durango 41
Dulces Nobres deposit 288
Durango, State 41, 415, 754, 756, 767, 840
Fresnillo, State of Zacatecas 344
Guadalcázar, State of San Luis Potosí 483, 595, 851, 852
Guanajuato 850
Guerrero, State 42, 62, 376, 463, 519, 564, 639, 652, 661, 701, 757, 792, 840, 842
Huahuaxtla district, State of Guerrero 42, 564, 757
Huitzuco, State of Guerrero 62, 463, 519, 652, 661, 792, 840
Jalisco 638
La Bella Union mine, State of Guerrero 842
Mazapil district, State of Zacatecas 755
mining 313
Palomas, State of Durango 840
Quechultenango, State of Guerrero 639
San Bernardo, State of Durango 754, 756
San Luis Potosí 367, 483, 565, 580, 595, 849, 851, 852
Tehuklotepec, State of Guerrero 376
Trimole Springs 415
Zacatecas, State 40, 344, 604, 640, 755
Zacatecas district, State of Zacatecas 344, 604, 640
Microscopic determination of ore minerals 97

Index no.

Mineralogy 81, 275, 286, 543, 619, 643, 655, 665, 783, 815, 839, 856, 877
Minerals 178, 217, 401, 444, 733, 877
Mines. *See individual countries.*
Mining methods 164, 894
Montana, Phillipsburg quadrangle 34
Montroydite 388, 457
Mosesite 93, 296, 312, 387, 389, 579

N

Nevada, general 122, 164, 166, 176, 194, 213, 269, 280, 430, 485, 532, 560, 893, 895
Beowawe district, Esmeralda County 162
Bottle Creek district, Humboldt County 86, 150, 160, 161
Buckskin Peak, Humboldt County 87
Churchill County 163
Cinnabar Hill group, Churchill County 163
Container mine 399
Elko County 347
Esmeralda County 76, 78
Eureka County 162
Gold Circle district, Elko County 347
Goldbanks mining district, Pershing County 198
Goldfield district, Esmeralda County 76, 78
Goodsprings quadrangle 50
Humboldt County 59, 77, 86, 87, 90, 125, 160, 161
Lander County 27
McDermit district, Humboldt County 161
Mineral County 38, 72, 365, 485
National mining district, Humboldt County 59, 87, 161
Nevada Quicksilver Mines, Inc., Pershing County 374
northern 90
Nye County 384
Opalite district 125
Paradise Valley district, Humboldt County 161
Pershing County 54, 198, 374
Pilot Mountains, Mineral County 38, 72, 365
Rochester district, Pershing County 54
Steamboat Springs 290, 421
Storey County 166
Sulphur district, Humboldt County 161
Tonopah 310
Washoe County 90
western 53, 73, 90, 345
Wild Horse district, Lander County 27
New Zealand, general 559, 587, 642, 657
Greenvale district 658
Nevis Balley 659
Ngawha, Auckland 660
Ohaeawai deposits, Bay of Islands 645
Otago 659
Puhipuhi, Auckland 598, 660, 731
Southland 658
Wairarapa 771
Whangarei, Bay of Islands subdivision 625
North America, producing mines 355

O

Index no.

Occurrence of quicksilver 489, 681, 693, 711, 828, 831
in calcite 299
in Chinle shale 420
in cobalt ores 320, 749, 827
in silver 459
with gold 300, 415
with telluride minerals 415, 856
with tourmaline 391, 419
Onofrite 309
Oregon, general 122, 164, 166, 214, 235, 237, 238, 240, 249, 252, 329, 526, 844, 892
Black Butte mine, Lane County 115, 139, 322, 452
Blue Mountains 58
Bonanza-Nonpareil district, Douglas County 21
Butte Falls quadrangle 272
Crook County 8, 105
Curry County 189
Douglas County 21
eastern 45
Glass Buttes deposits, Lake County 152
Gold Hill district, Jackson County 406, 408
Grants Pass area 30
Horse Heaven district, Jefferson County 117, 426, 505
Jackson County 166, 277, 406, 408
Jefferson County 117, 426, 505
Josephine County 277
Josephine Creek area 8
Kerby quadrangle 268
Lake County 152
Lane County 115, 139, 251, 322, 452
Malheur County 125
Medford quadrangle 267
Ochoco district, Crook County 8, 105
Opalite district, Malheur County 125, 357
Roseburg quadrangle 28
Round Mountain quadrangle 273
southeastern 91, 123
southern 90, 407
southwestern 29, 118
Steens and Pueblo Mountains 91, 123
western 71
Ore deposits, general 13, 33, 64, 81, 180, 480, 860, 875, 879, 880
anticlinal theory applied to ore deposits 258, 340
deposition 431, 473
dry lake deposits 194
genesis 317, 422, 474, 503, 520, 693
geologic occurrence 401
hot springs deposits 160, 213, 260, 359
secondary enrichment 308
structural relation of deposits 516
Ore dressing 140, 183
Ores, general 64, 178, 217, 326, 653
analysis 656
assays 316, 472, 718
beneficiation 711
concentration 164, 346, 377, 461, 722, 791
extraction 133, 439, 512, 582, 670, 682, 827

Ores—Continued Index no.
flotation 509
gangues 64
reduction 25, 133, 156, 303, 327, 362, 417, 433, 443, 448, 494, 515
sampling 487
smelting 416
treatment 65, 81, 164, 338, 353, 354, 458, 738
Outlook for quicksilver 372
Oxidation of cinnabar. *See* Cinnabar.

P

Pacific region 10, 11, 12, 67, 124, 254, 520, 521
Peru, Huancavelica district 126, 295, 498, 635, 649, 823, 835, 907
Puno 622, 829
Poisoning. *See* Mercury.
Production 129, 168, 281, 536, 644, 777, 888
Properties of quicksilver 379, 557
Prospecting for quicksilver 325, 504
Purification of mercury 717

R

Reclaiming mercury 413, 544
Reduction of quicksilver ores. *See* Ores.
Reserves 403
Resources 527
Retort, operation 400
Roasting 330, 356, 357, 360, 366, 369, 435, 805
Rocky Mountains 119

S

Sampling of quicksilver ores. *See* Ores.
Schwatzite, occurrence 525
Secondary enrichment of mercury deposits. *See* Ore deposits.
Sierra Nevada 107, 371
Smelting of mercury ores. *See* Ores.
South Africa 765
Barberton district 650
Pretoria district 694
Swaziland 776
Transvaal 847
South America, general 534
Spain, general 584, 723, 753, 794, 812
Almaden 294, 324, 352, 373, 398, 401, 434, 475, 518, 725, 739, 743, 769, 774, 793, 858.
Alsosájó 858
Sierra Nevada 709
Structural relation of quicksilver deposits. *See* Ores.
Sulphides of mercury 286, 293, 455
Sulphoselenides of mercury 309
Sweden, northern 646
Sala Grufa 809
Switzerland, Como Province 574

T

Terlinguaite 388, 457
Test for quicksilver 208, 418, 865

Index no.
Texas, general 164, 250, 257, 259, 301, 385, 470, 516, 517, 662
Big Bend province 386, 500
Brewster County 52, 106, 112, 127, 128, 141, 223, 245, 246, 256, 312, 326, 331, 335, 389, 390, 410, 411, 425, 427, 467, 468, 469, 471, 481, 500, 502, 513, 514, 579, 735, 900.
Chisos area, Brewster County 256
geology of quicksilver deposits 257, 259
Mariposa and 248 quicksilver mines, Terlingua district 128
Presidio County 52, 106, 112, 128, 141, 245, 246, 312, 326, 389, 390, 410, 425, 467, 481, 513, 514, 579, 735, 900.
Terlingua district, Brewster County and Presidio County 52, 106, 112, 128, 141, 223, 245, 246, 312, 326, 335, 387, 388, 389, 390, 402, 410, 425, 467, 468, 471, 481, 500, 513, 514, 579, 735, 900.
Trans-Pecos 242
Viviana quicksilver mine 127
Tiemannite 466
Treatment of ores. *See* Ores.
Turkey 350

U

United States, general 96, 119, 122, 143, 158, 339, 355, 432, 482, 510, 811, 874, 884, 905, 908.
mines 82, 355, 904
western 51
Uses of quicksilver 81, 401, 617, 681, 711
U. S. S. R., general 626, 788, 902
Alai 541
Altai Mountains 699, 732
Altai region 737
Altai-Salair region 729, 730
Caucasus 561, 692
Central Asia 742
Chagan-Usun 732
Chaubai deposit 761
Donets Basin 592, 634, 857
European U. S. S. R 591
Far East U. S. S. R 760
Ferghana 566, 807, 808
Georgia, Racha region 558
Kan-Taseyev region 696
Khaidarken 764, 798, 819
Kirghizia 763
Kura deposit, Altai region 737
Kuznetsk Alatau 697, 698, 699, 727, 728, 732
Nertchinsk 797
Nikitovka deposit 634, 857
Salair region 572, 608, 613
Siberia 572, 608, 613, 696, 697, 698, 699, 727, 728, 730, 732, 737, 766
Tetyukhe 571
Transbaikalia 762, 766
Turkestan 540, 612, 778
Ukraine 592, 605, 634, 857
Urals 545
Uryumkan River 762

Index no.

Utah, general 22, 122
Deep Creek Mountains, Juab and Tooele Counties 195
Fairfield quadrangle 44
Juab County 195
Mercur mining district, Tooele County 103, 292
Piute County 869
Sacramento mine, Tooele County 292
Stockton quadrangle 44
Tooele County 103, 195, 292
western 195

V

Vacuum retort for cinnabar ores 321
Vapor 151, 216, 370
Venezuela, Estado Lara 706
Vermillion 120, 121

W Index no.

Washington, general 209, 526
Kittitas County 241
Lewis County 232, 241, 462
Morton district, Lewis County 232, 462
Mount Stuart area 98
Snohomish County 187
Washoe process 46, 890
World resources 81, 110, 527, 606, 777, 838, 885, 903

Y

Yugoslavia, general 855
Bosnia 683
Dalmatia 570
Idria 401, 583, 691, 705, 779
Serbia 609, 627
Slovenia 740

AUTHOR INDEX

A — Index no.

Achiardi, Antonio d' 537
Achiardi, Giovanni d' 538
Adamson, W. G 282
Aguilera, J. G 283
Ahlburg, Dr 539
Ahlfeld, Friedrich 540, 541, 542, 832
Aidinyan, M. Kh 800, 801
Alaska and Northwest Mining Journal 284, 285
Allen, E. T 286
Alsén, N 543
Aminov, Gregori 543
Anderson, A. L 169
Arend, A. G 544
Argentovskiy, J 545
Armstrong, J. E 546, 547, 548, 549, 550, 551
Asano, Goro 552
Aubury, L. E 287
Austin, L. S 859
Australian Bureau Census and Statistics 553
Averill, C. V 170
Averitt, Paul 171

B

Babb, P. A 288
Bailey, E. H 1, 2, 3, 4, 5, 172, 173, 174, 175, 176, 177, 289
Baker, C. L 178, 259
Banchetti, Augusto 554
Bancroft, Howland 6, 7
Bannock, W. W 290
Bath, G. D 8
Baudre, G 555
Baum, J. L 291
Beason, L. H 292
Beck, Richard 860
Becker, G. F 9, 10, 11, 12, 13, 293, 861, 869
Bedford, R. H 130, 131
Beelich, Henry 556
Belash, F. N 557
Bell, R. N 179, 180
Bendeliani, A. Ye 558
Bennett, Evan 294
Berry, E. W 295
Bird, P. H 296
Black, T. A 559
Blake, W. P 297, 298, 299, 300, 301, 560, 862
Bogdanovich, Karl 561
Boletín Minero 562, 563, 564
Bonney, Wilbert 565
Boone, A. R 302
Booth, F. J 303
Borouskaya, T. B 566
Böse, Emil 259
Botero Restrepo, Gilberto 567
Bott, W 568
Bouton, C. M 132
Bowen, O. E., Jr 181

Index no.

Bradley, W. W 182, 183, 184, 185
Bradley, Worthern 133, 304, 305, 306, 307, 375
Branner, G. C 186
Brineman, J. R., Jr 706
British Columbia Mining Record 569
Broderick, T. M 308
Brooks, A. H 14, 15, 16, 17, 18, 19, 20
Broughton, W. A 187
Brown, G. C 184, 188
Brown, J. S 854
Brown, R. E 21, 117
Browne, J. R 863, 864
Brush, G. J 309
Bukowski, Gejza von 570
Bulygo, V. S 571
Bulynnikov, A. Ya 572
Burbank, W. S 854
Burdick, A. J 865
Burgess, J. A 310
Burkart, H. J 573
Burr, G. H 311
Butler, B. S 22
Butler, G. M 189, 866

C

Cadisch, Joos 574
Cady, W. M 23, 24
Caines, C. E 575
Calhoun, W. A 156
California Division Mines 190, 191, 192
State Mining Bureau 193
Calkins, F. C 34
Camsell, Charles 576
Canada Geological Survey 577
Canadian Institute of Mining and Metallurgy 578
Canfield, F. A 312, 389, 579
Capilla, Alberto 580
Carne, J. E 581
Carpenter, J. A 194
Carr, M. S 247
Carrara, Giacomo 582
Castelli, Gaitano 583
Castillo, Antonio del 313, 584
Castro, Calogero de 585
Cater, F. W., Jr 268
Cathcart, J. B 72
Cesàro, Giuseppe 586
Chemical and Metallurgical Engineering 315
Chemical Engineering and Mining Review 587
Chemicals 314
Chemisch-metallurgische Zeitschrift 588
China Year Book 589, 590
Chirvinskiy, P. N 591, 592
Chism, R. E 316
Christy, S. B 25, 317, 318, 319

Index no.

Chu, H 672
Clarke, F. W 26
Clevenger, G. H 320
Cockfield, W. E 593
Codizza, R. L 594
Coelho, I. S 647
Coghill, W. H 509
Collins, H. F 595
Collins, W. F 867
Colman, M. N 321
Colquhoun, A. L 596
Compton, R. R 117, 123
Comstock, W. J 309
Concha, J. F 126
Cook, K. L 8
Cornu, Felix 597
Crane, E. B 322
Crawford, A. L 195
Crippen, R. A., Jr 196, 197
Crenshaw, J. L 286
Cropp, W. H 598, 599, 600, 625

D

Dane, C. H 27
Davenport, S. J 134
Davis, C. W 135
Dawson, G. M 601, 602, 603
De Iongh, W. H. D 604
Deiters, W 605
De Kalb, Courtenay 323, 324
Demaret, Leon 606
De Ment, J. A 325
Denmead, A. K 607
Dennis, C. G 326, 327
Dennis, W. B 328, 329, 330
Derikov, I. V 608
Diller, J. S 28, 29, 30
Dinsmore, C. A 331
Doelter, Cornelio 609, 610
Dolmage, Victor 611
Donzov, W. W 612
Dovgal, N. D 613
Dreyer, R. M 198, 332, 333, 334
Duncan, Frank 335
Dunstan, Benjamin 614
Dupuy, L. W 136
Durand, F. E 199, 200
Duschak, L. H 132, 137, 138, 336
Dutch East Indies, Dienst van den Mijnbouw 615

E

Eakle, A. S 201, 202, 203
Eardley-Wilmot, V. L 616, 617
Eberlain, G. D 31
Eckel, E. B 32, 204, 337
Economic Review 618
Egleston, Thomas 338, 868
Ehringhaus, Arthur 619
Elmer, W. W 139
Emmons, S. F 339, 869
Emmons, W. H 33, 34, 340, 870
Endlich, F. M 35
Engel, A. L 143

Index no.

Engineering and Mining Journal 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357.
Ermann, Oskar 620
Ermisch, Karl 621
Espinoza L., Roberto 622
Evans, A. M 141
Evans, G. L 250
Evans, I. P 36, 37
Everhart, D. L 4, 205, 206, 207, 236, 289

F

Fahey, J. J 358
Fairbanks, H. W 359
Fansett, G. R 208
Far Eastern Review 623
Fawcett, Waldon 361
Ferguson, E. G. W 361
Fermor, L. L 624
Ferrar, H. T 625
Fersman, A. Ye 626
Fesut, Arthur 362
Fischer, A. H 209
Fischer, H 627
Fix, P. F 210, 290
Fleischer, Michael 358
Flores, Teodoro 628
Flores W., Héctor 63
Forbes, G. S 363
Forstner, William 211, 364
Fortune 871
Foshag, W. F 38, 365
Franke, H. A 212
Franks, W. E 366, 367
Fraser, H. J 213
Frederick, Francis 214
Freeman, H. C 368
Friederich, O. M 629
Friese, Franz 630
Fritsch, Voker 631
Frolli, A. W 142
Furness, J. W 143

G

Gabb, W. M 215
Galeotti, Henri 632
Gallagher, David 39, 40, 41, 42, 754, 755, 756, 757
Ganet, L 759
Gannett, Henry 43
Gardner, D. E 633
Gardner, E. D 144, 229
Gashchenko, V 634
Gastelumendi, A. G 635
Geary, J. W 216, 369, 370
George, R. D 217
Gesell, Sandor 636
Gianella, V. P 218, 290
Gillan, S. L 371
Gilluly, James 44, 45
Giraud, G 637
Glover, S. L 241
Gonzáles Reyna, Jenaro 638, 639, 640, 641
Goodyear, W. A 219
Gordon, H. A 642

Index no.

Gossner, Balthasar 643, 815
Gould, G. I 372
Gould, H. W 373, 374
Granger, A. E 32
Great Britain, Imperial Mineral Resources Bureau 644, 678
Griffiths, A. P 645
Grip, Erland 646
Guimarães, Djalma 647
Gunning, H. C 648

H

Hadley, W. M 649
Hague, Arnold 46
Hall, A. L 650
Hall, R. G 375
Halse, Edward 376, 651, 652, 653
Hamilton, Fletcher 377
Hanks, H. G 220, 378, 379
Hansell, J. M 221, 478
Harada, Zyunpei 654
Harper's New Monthly Magazine 872
Harrington, Daniel 134
Harrington, G. L 47, 69
Hart, T. S 380
Hartmen, E. W 381
Hartwig, W. A. C 655
Hasimoto, Kimihisa 822
Hawkes, H. E., Jr 48
Heath, R. F 656
Heberlein, C. A 382
Heikes, V. C 22
Heizer, R. F 222
Henderson, John 657, 658, 659, 660
Hendry, N. W 213
Hernández Ortiz, David 62, 661
Hess, F. L 49
Hewett, D. F 50
Hewitt, A. S 383
Hickcox, C. A 24
Higgins, W. C 384
Hill, B. F 223, 385, 662
Hill, J. M 51
Hill, R. T 386
Hillebrand, W. F 52, 312, 387, 388, 389, 579
Hilpert, L. S 145, 278, 279, 873
Himmel, Hans 663
Hinterlechner, Karl 664
Hintze, Carl 665
Ho, C. A 666
Hoffman, G. C 667, 668, 669
Holland, C. H 670
Hore, R. E 671
Hornaday, W. D 390
Hotz, P. E 268
Huang, Y. S 672
Hudson, D. R 673
Huguenin, Emile 185
Huguenin, R. P 203
Humboldt, Alexander 674
Hummel, Karl 391, 675
Humphrey, H. B 151
Hunt, T. S 676
Hussak, Eugen 677
Huttl, J. B 392, 393

I

Index no.

Imperial Mineral Resources Bureau. *See* Great Britain.
Ingall, E. D 679
Innes, Murray 394, 395
Irwin, A. B 680
Issler, A. R 396

J

James, G. A 397
Janssen, W. A 398
Jennings, C. W 224
Joesting, H. R 225
Johnson, A. C 150
Johnson, F. T 146
Johnson, H. L 399, 400
Johnson, J. H 401, 402
Johnstone, S. J 681
Joralemon, I. B 403
Joseph, P. E 226
Juretzka, Franz 682
Just, Evan 404

K

Katzer, Friedrich 683
Kay, G. F 30
Keller, W. D 405
Kellogg, A. E 406, 407, 408
Kellogg, J. L 244
Kemp, J. F 874
Kendall, J. D 684
Kenney, E. J 685
Kent, A. H 409
Kent, D. F 126
King, C. R 227
Kinoshito, Kameki 686, 687
Kirk, M. P 410, 411
Klimovskaya, A. P 612
Kloos, J. H 688, 689, 690
Knauskopf, K. B 412
Knopf, Adolph 53, 54
Kossmat, Franz 691
Kozhukhov, P. T 692
Krebs, J. O 413
Krusch, Paul 693
Kupferburger, Wilhelm 694
Kuthan, Miroslav 695
Kuzmin, A. M 696
Kuznetsov, V. A 697, 698, 699, 729, 730

L

Lacoix, Alfred 700
Laguerenne, T. L 701
Lakes, Arthur 414, 415
Landers, W. H 416
Lang, Herbert 417, 418
Larsen, E. S 55, 228
Laube, G. C 702
Lausen, Carl 229, 419, 420
Lawson, A. C 56
Le Conte, Joseph 421, 422, 423
Leech, G. B 703
Leitmeier, Hans 610
Lewis, C. H 424
Lewis, Frank 425, 426

Index no.

Liebus, Adalbert 704
Limanovski, M. M 705
Lindgren, Waldemar 57, 58, 59, 60, 61, 67, 875
Livingston, D. C 55, 230
Logan, C. A 185
Lonsdale, J. T 427
López, V. M 706
Lord, C. S 525
Lotti, Bernardino 707, 708, 709
Loughlin, G. F 22
Louis, Henry 880
Lovering, T. S 876
Lowell, F. L 184, 231
Lüdecke, Otto 710
Lyman, C. A 428

M

McAllister, J. F 62, 63, 661
McCaskey, H. D 64, 65, 429, 430
McElvenny, L. T 147
McElwaine, R. B 147
McKay, Alexander 642
Mackay, R. A 431
Mackin, J. H 232
McLaren, D. C 711
McLaughlin, R. P 184, 203
McNeely, W. M 712
Mactear, James 713
Maddren, A. G 102
Maier, C. G 432
Malcolmson, J. W 411
Mathews, W. H 714
Matuda, K 715
Maxson, J. H 233
Melville, W. H 66, 67
Menardi, H. B 433
Menendez y Puget, Laureano 434
Merrill, F. J. H 234
Merritt, W. H 716
Mertie, J. B., Jr 68, 69
Merwin, H. E 286
Metallurgical and Chemical Engineering 435
Mexican Mining Journal 717, 718
Mieleitner, Karl 719
Miller, W. G 436
Mine and Quarry Engineering 720
Miner, The 721
Mining and Engineering Review 437
Mining and Engineering World 438, 439
Mining and Scientific Press 440, 441, 442, 443, 444, 445, 446, 447, 448
Mining Journal [London] 722, 723, 724, 725, 726
Mining Journal [Phoenix, Ariz.] 449
Mining Reporter 450
Mining World 451, 452, 453, 454
Mitchell, G. J 189, 235
Mitropol'skiy, B. S 727, 728, 729, 730
Modrinaiak, Norbert 731
Molchanov, I. A 732
Monaci, Pietra 733
Monckton, G. F 734
Moore, G. E 455
Moorehead, W. R 148
Moses, A. J 456, 457, 735, 877

Index no.

Mosier, McHenry 144, 149, 150
Muellner, A 736
Mukhin, A. S 699, 737
Müller, O 739
Mullholland, C. A 458, 738
Mussgang, F 643
Myers, W. B 5, 175, 204, 236

N

Near East 740
Neumann, Bernhard 741
Nevsky, V. A 742
Newhouse, W. H 459
Nichols, J. B 460
Nöggerath, Adalbert 743
Northey, G. V 461
Nováček, Radim 744
Novarese, Vittorio 745
Nuffield, E. W 746

O

O'Farrel, Charles 195
Ohashi, Rhoiche 747
Ontario Bureau of Mines 748, 749
Oregon, Bureau of Mines and Geology 237
Department of Geology and Mineral Industries 238
Osmont, V. C 239
Oswald, Wilhelm 750
Ott, W. H 462
Overbeck, R. M 70

P

Pagliacci, F. D 463
Palache, Charles 464
Palmer, L. A 465
Pantanelli, Dante 751
Pardee, J. T 71
Parks, C. F., Jr 45
Parks, H. M 240
Parsons, C. L 877
Partridge, F. C 694
Patty, E. N 241
Penfield, S. J 466
Penna, Scorza Evaristo 752
Penzer, N. M 878
Perea, F. L 753
Pérez Siliceo, Rafael 41, 42, 754, 755, 756, 757
Phillips, J. A 879, 880
Phillips, W. B 242, 467, 468, 469, 470, 471
Phoenix, D. A 72, 176
Pirogov, L 758
Pitaval, Robert 759
Place, R. G 472
Polevoy, P. I 760
Polkopin, F. D 761
Pollock, J. P 473
Ponomarev, A. L 819
Popov, S. D 762
Pošepný, Franz 474
Powell, J. W 73
Poyarkov, V. E 763, 764
Preller, G. S 765
Presnyakov, Ye. A 766
Prindle, L. M 74

R — Index no.

Ragotzky, Federico 852
Randell, Merle 151
Randol, J. B 243, 881, 882, 883, 884
Rangel, Manuel 767
Ransome, A. L 244
Ransome, F. L 75, 76, 77, 78, 79, 80, 81, 82, 83, 108, 475, 476, 885
Rastall, R. H 886
Rath, Gerhard vom 768
Raymond, R. W 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897
Raynaud, Jean 769
Redini, Roberto 770
Redlich, K. A 597
Reed, G. C 152
Reed, J. C 45, 84, 85, 477, 478
Reed, J. J 771
Rêis, O. M 772
Reitler, E 773
Revista Minera 774
Richardson, C. H 898
Richardson, J. A 775
Richmond's South African All Mining Year-book 776
Richter, H. W 363
Richter, Karl 777
Ricker, Spangler 130, 131, 146
Ridgeway, J. E 614
Ries, Heinrich 899
Rising, W. B 423
Roberts, R. J 86, 87
Roberts, William 778
Rodolico, Francesco 779
Rogers, A. F 479
Rolland, M. G 780, 781
Rose, H 782, 783
Rosenlecher, R 784
Ross, C. P 27, 88, 89, 90, 91, 92, 95, 245, 246, 247, 358, 480, 481, 482, 900
Roush, G. A 901
Royal Society of Arts 785, 786
Royer, M. L 787
Ruff, L. L 251
Ruiz F., Carlos 63
Rundall, W. H 483
Russkiy Geologicheskiy Komitet 788
Rutledge, F. A 153, 154
Rzehak, A 789

S

Sachs, Arthur 790
Sadikov, V. S 791
Salazar, J. B 792
Salt Lake Mining Record 484, 485
Sampelayo, P. H 793, 794
Sandberger, K. L. F. von 795
Sanderson, L 796
Sanford, Samuel 96
Sankov, A. A 486, 797, 798, 799, 800, 801
Santmyers, R. M 143
Schaller, W. T 52, 93, 312, 388, 579
Schrader, F. C 94, 95, 96
Schrauf, Albrecht 802

Index no.

Schuette, C. N 137, 138, 155, 248, 249, 487, 488, 489, 490, 491, 492, 493
Schulze, Alfred 803
Scott, Robert 494
Seaman, W. H 495
Segura, David 804
Sellards, E. H 250
Shakhov, G. A 805
Sharwood, W. J 496
Shcherbakov, D. I 806
Shelton, S. M 140, 156
Shimkin, D. B 902
Short, M. N 97
Silliman, Benjamin, Jr 497
Singewald, J. T 295, 498
Sintsyn, N. M 808
Sjögren, Hjalmar 809
Slobodska, Ya Ya 805
Smirnov, V. I 810
Smith, G. O 98
Smith, H. G 499
Smith, M. C 147
Smith, P. S 99, 100, 101, 102
Smith, W. D 251
Smith, Winnie 500
Sociedad Nacional de Minería (Chile) 811
Sohlberg, R. G 501
Sosedko, A. F 807
Spain, Ministerio de Fomento 812
Spalding, E. P 502
Spencer, L. J 903
Spirek, Vincent 813
Spurr, J. E 103, 104, 503
Stafford, O. F 252
Staples, L. W 117, 504, 505
Stearn, N. H 506, 507, 508
Stefani, Carlo de 814
Steinmetz, Hermann 815
Stephenson, E. L 105
Sterner-Rainer, Roland 816
Stevenson, J. S 817
Stone, R. W 96
Stowell, E. G 509
Struthers, Joseph 510, 904
Sugiyama, Riuji 818
Suloyev, A. I 819
Svetolik, Stevanovitch 820
Swartley, A. M 240
Swinney, C. M 177, 210, 253
Symington, R. B 511

T

Takahashi, Jun-ichi 821
Takaybatake, Akira 822
Tamayo, Augusto 823
Taylor, H. P 254
Technische Blätter 824
Terengren, F. R 825
Termier, Pierre 826
Thompson, G. A., Jr 106, 127, 128
Thornhill, E. B 512, 827
Thurber, J. B 551
Timofeyev, A. A 762
Tokody, Ladislaus 828

Index no.

Torres, V. D. 829
Toso, P. 830
Traver, W. M., Jr. 141
Treganza, A. E. 222
Trengrove, R. R. 157
Troegel, Hans 831, 832
Trythall, Frank 833
Tucker, W. B. 255
Turner, H. W. 60, 61, 107, 108, 513, 514, 515
Tweto, Ogden 109

U

Udden, J. A. 256, 257, 258, 259, 516, 517
Umegaki, Yoshiharu 834
Umlaff, A. F. 835
Umschau 836
U. S. Bureau of Mines 159
Mining Division 160
Staff 158
U. S. Geological Survey 110, 111, 112, 113
Staff 158
U. S. Tariff Commission 905

V

Vanderburg, W. O. 161, 162, 163
Van der Veen, R. W. 518
Vanni, Manfiedo 837
Varley, E. R. 838
Vaupell, C. N. 519
Veatch, J. A. 520, 521
Veen, A. L. W. E. van der 839
Villarello, J. D. 840, 841, 842
Vivian, William 843
Von Bernewitz, M. W. 164

W

Wagoner, Luther 522, 523
Waring, C. A. 185, 203, 255
Warner, Thor 260, 524
Warren, H. V. 525
Waters, A. C. 21, 114, 115, 116, 117, 118, 526
Watts, W. L. 261, 262, 263, 264, 265, 266
Webber, B. S. 165

Index no.

Wehrly, C. S. 527, 528, 529
Weigel, W. M. 530
Wells, F. G. 48, 85, 118, 267, 268, 897
Wells, R. R. 166
Wells, W. V. 906
Wendeborn, B. A. 844
Wheeler, D. P., Jr. 48
Whitaker, A. P. 907
White, D. E. 290
Whitney, J. D. 269, 270, 908
Whittle, Thomas 845
Whitton, W. W. 271
Wichers, Edward 531
Wiebelt, F. J. 167
Wilkinson, W. D. 272, 273
Williams, Albert, Jr. 119, 120, 121, 122
Williams, Howel 123
Willis, C. F. 274, 275
Williston, S. H. 532
Wilson, E. D. 276
Wilson, H. D. B. 213
Wilson, J. S. 846
Wilson, N. W. 847
Winchell, A. N. 277
Wittich, Ernesto 848, 849, 850, 851, 852
Wolcott, H. N. 533
Wright, C. W. 534
Wong, Wen Hao 853
Woodring, W. P. 854
Wray, D. A. 855

Y

Yale, C. G. 124
Yarmolovich, N. V. 634
Yates, R. G. 31, 32, 92, 109, 125, 126, 127, 128, 278, 279
York, Bernard 280
Young, G. J. 535

Z

Zachariasen, William 856
Zakharov, Yevgeniy 857
Zimanyi, Karl 858