DESCRIPTION

This collection consists of personal papers collected by Edward Mathewson both as a mining engineer and instructor at the University of Arizona. University materials related to Mathewson’s course preparations for instruction on mining administration, and a funding drive for a new football stadium for the University in 1927-1929 for which he served as chairman. Mining materials consist of maps, diagrams, and pamphlets related to mining operations in the Arizona area including Phelps Dodge branches at Morenci and the Copper Queen Mine, Inspirational Copper Company, Ray Copper Company, Old Dominion Company, and others. Additional mining drawings depict mining equipment, plans, and organizational charts for so, of these organizations. Numerous technical pamphlets and materials relate to mining operations related to copper, gold, silver, lead, and Zinc. Since most of these materials are dated in the 1920s it would appear they were utilized by Mathewson in conjunction with teaching at the University.

5 Boxes, 4 linear ft.

BIOGRAPHICAL NOTE

Edward P. Mathewson was born in Montreal Canada on October 16, 1864. He graduated from McGill University in 1885 and moved to Pueblo Colorado in 1886 to a position as Assayer with the Pueblo Smelting & Refining Company. He rose in this organization to become the general superintendent of the plant by 1889. In 1902 he joined the M. Guggenheim & Sons staff and became associated with Anaconda Copper Company of Montana. In conjunction with this position Mathewson traveled to Mexico and South American countries as a mining consultant. His work in Montana centered on the Washoe plant providing improvements to blast furnace operations and making it the most efficient operation of its kind. In 1916 Mathewson left Anaconda to return to Canada to work for the British American Nickel Corporation in the construction of a new facility. Leaving Canada in 1918 he moved to New York to accept a position on the board of directors for the American Smelting & Refining Company. From 1919 to 1926 he performed private consulting work. In 1926 Mathewson joined the University of Arizona in Tucson to teach mining administration and metallurgical courses. He retired in 1942 and died July 13, 1948.

ACQUISITION

Unknown.

ACCESS

There are no restrictions on access to this collection.
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PROCESSING

The collection was reprocessed by Dave Tackenberg in May 2007.

BOX AND FOLDER LISTING

Box 1

Series 1: Correspondence, Pamphlets & University of Arizona Work, 1920 - 1944

Folder 1: Correspondence with Arizona Game Protective Association 1928 – 1929
f.2 Correspondence with American Institute of Mining & Metallurgical Engineers 1920 – 1943
f.3 Correspondence with Yoshio Tsuboi in Japan 1931
f.4 Correspondence/Postcards to Mathewson 1926 – 1938
f.5 Correspondence with Rhodes House Scholars 1929
f.6 Pamphlets: “Arizona Incorporating Laws” and “Investment & Securities Laws” 1921/1925
f.7 Pamphlet: “Arizona Workmen’s Compensation Act and Law” 1925
f.8 University of Arizona Correspondence (General) 1928
f.9-10 University of Arizona Background Materials for Development of a Mining Administration Course 1926 – 1931
f.11 University of Arizona Address: “What the University Offers the Students” By E. P. Mathewson 1935
f.12 University of Arizona Address: “The University and Natural Resources” By George Otis Smith 1930
f.13 University of Arizona New Acquisitions Lists from the Library 1942
f.14 University of Arizona New Stadium Drive (Arizona Wildcat) 1927
f.15 University of Arizona New Stadium Drive (Program Dedication) 1929
f.16 University of Arizona New Stadium Drive (Correspondence) 1929
f.17 Arizona State Museum 1928
f.18 Montana Fish and Game Issues 1928
f.19 Mathewson’s Registration with Arizona State Board 1925 – 1944
f.20 Manuscript: “Arizona Mining Companies: by E. P. Mathewson” n.d.
f.21 Newspaper Articles on Mathewson’s Trip to Peru 1923

Series 2: Mines and Mining Issues, 1908 - 1940

f.22 American Smelting and Refining Company (Hayden Smelter) 1922/1925/1931
f.23 Anaconda Reduction Works, Anaconda, Montana 1908
f.24 Apache Powder Company 1927
f.25 Calumet & Arizona Mining Company 1920/1927

Box 2

f.26 Legal Case: “Carson vs. American Smelting & Refining Company” 1925
f.27 Diamonds and Diamond Mining 1935
f.28 Climax Molybdenum Company Catalogue 1919
f.29 Continental Mining Company (Panuco Copper Mine) 1914 - 1915
f.30-31 Inspiration Consolidated Copper Company 1916 – 1931
f.32 Mount Morgan Gold Mining Company 1926 – 1927
f.33 New Cornelia Copper Company 1920 – 1932
f.34 Phelps Dodge Corp. (Old Dominion Mine) 1926
f.35 Phelps Dodge Corp. (Morenci Branch) 1925 – 1932
f.36-39 Phelps Dodge Corp. (Copper Queen Branch) 1923 - 1930

f.40 Ray Consolidated Copper Company 1925 – 1940
f.41 Shattuck-Denn Mining Corp. 1926/1927/1932

Box 3

f.42 Shattuck-Denn Mining Corp 1924/1926
f.43 United States Smelting, Refining & Mining Company 1922 – 1929
f.44 United States Smelting, Refining & Mining Company (Mathewson’s 1926
Journal Notebooks of Trip)

f.45-47 United Verde Copper Company 1924 – 1929
f.48 Washoe Smelter, Anaconda, Montana 1906/1913/1916

Series 3: Mining Related Publications, 1891 - 1940

f.49 “Review of the Silver Market” By Handy & Harman 1931 – 1936/1938 – 1941
f.50 “Mining, Milling and Metallurgy in 1926” Article by Edward Mathewson – 1927
“Smelting Technic Makes Moderate Advances”

f.51 Pamphlet from American Institute of Mining Engineers – “Officers, 1891
Members, Rules, Etc”

f.52 Mining Technical Publications on Tin 1909/1920/1940

f.53 Mining Technical Publication “Technical Methods of Metallurgical 1916
Analysis: Anaconda Copper Mining Company, Washoe Reduction Works, Anaconda, Montana”

f.54 Mining Technical Publications on Mining and Engineering Education 1922 – 1932

Box 4

f.55 Mining Technical Publications – Reports from U.S. Bureau of Mines 1926
f.56 Mining Technical Publications “Zinc Resources of Arizona” circ. 1926
f.57 Mining Technical Publications of Reports and Hearings by U.S. Congress on Silver and Gold 1923
f.58 Mining Technical Publications on Gold and Silver Refining 1909 – 1926
f.59 Mining Technical Publication on Lead 1925
f.60 Mining Technical Publications on Manganese Resources 1924 – 1929
f.61 Mining Technical Publications on Zinc 1917 – 1926
f.62 Mining Technical Publications on Nickel Refining 1919 – 1938
f.63 Mining Technical Publications on Nitrogen Research 1918 – 1926
f.64 Mining Technical Publications on MISC Topics 1909/1925/1937
Series 4: MISC Items and Photographs

f.65 Humorous Pamphlets by Coleman Cox and “How I Carried The Message to Garcia” by Colonel Andrew Summers Rowan 1911/1922/1929

f.66 Photographs – Mining and Smelting Plant at Irvington, N. J. Exterior and Interior Views of the Building and Operations 1923

f.67 Photographs – Mining Site at Chuquicamata Chile Buildings, Operations, Ore Trains, and Company Golf Course circ. 1923

f.68 Photograph – United States Smelting, Refining, and Mining Company Interior View of Smelter Operation at Plant 1926

f.69 Photographs – MISC Images and Greeting Cards Views of Elk in Montana Greeting Card From Burma View of Home With Unidentified Couple Out Front

Box 5

Oversized Drawings, Maps, and Certificate

Folder #1: Phelps Dodge Corporation Drawings (Copper Queen Branch)
Lead Plant Daily Flow Sheet – 1927
Labor & Tonnage Charges
Drawing of Standard Rounds (Explosive Charges)
Working Chart/Data Information

Folder #2: Phelps Dodge Corporation Drawings (New Cornelia and Morenci Branches)
Three Drawings of Concentrator Flow Sheets – 1929/1932
Timbered Slide Plan – 1926
Standard Morenci Block Cave Mining Methods – 1928
Ore Body Claim Map
Concentrator Flowsheet – 1927

Folder #3: Old Dominion Company
Company Organizational Chart
Proposed Sinker Pump – 1918

Folder #4: United Verde Copper Company
Floatation Plant Flow Sheet – 1926
Flow Sheet & Equipment List of Smelter – 1922
Company Organizational Sheet

Folder #5: Inspiration Consolidated Copper Company
New Undercutting System – 1925
Ore Concentrator Plan – 1930

Folder #6: Ray Copper Company
Drawing of Sub Level Caving System

Folder #7: MISC Mining Drawings and Mathewson Certificate
American Institute of Mining & Metallurgical Engineer Location Map – 1943
Tacoma Smelting Company Drawing
Mathewson Certificate as Engineer from University of the State of New York–1923

Outside Item:

One Panoramic Photo of Electric Zinc Plant Location at Hobart, TAS, Australia - 1924