

**TITLE:** Orrell Mining Collection

**DATE RANGE:** 1880-1999

**CALL NUMBER:** FM MSS #133

**PHYSICAL DESCRIPTION:** 3 linear feet (3 boxes)

**PROVENANCE:** This collection was donated by Donna Orrell, F. Lewis Orrell's wife, in 2000. Donated to the Arizona Historical Society in 2012 by the Arizona Historical Foundation.

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**CREDIT LINE:** Orrell Mining Collection, MSS #133, Arizona Historical Society – Papago Park

**PROCESSED BY:** Elizabeth Scott, April 2006

**BIOGRAPHICAL NOTE:** F. Lewis Orrell was born December 27, 1916. He died November 7, 1999. He was a member of the Society for the History of Technology (SHOT). He was a passionate researcher and writer on the subject of mining.

**SCOPE AND CONTENT NOTE:** This collection contains records on various mining projects and research done by F. Lewis Orrell. The collection focuses on primarily tungsten, copper and calcite mining. Orrell traces the history of mining companies such as the Arizona & Michigan Mining Company and the Superior & Boston Copper Company. He also includes background information on mining communities and the individuals involved. He highlights the Cornish miners and provides extensive research on the background of Cornish mining. Of interest are two research projects; the Pine Creek Tungsten Project from California and the Ray Mine Project in Arizona which include correspondence, writings, and photographs on those projects. Also included are Orrell's writings from various journal articles, book chapters and conferences. Of note are calcite samples in Box 3, Item #'s 18 and 19.

This collection is arranged into four series. Series I: Research Projects; Series II: Research Files; Series III: Writings; Series IV: Photographs.

Box	Folder	Title	Dates
1	1	Research Projects-Pine Creek Tungsten Project-Articles	1916-1968
1	2	Research Projects-Pine Creek Tungsten Project-Correspondence	1980-1993

1	3	Research Projects-Pine Creek Tungsten Project-Godfrey, Ralph G.	1993
<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
1	4	Research Projects-Pine Creek Tungsten Project-Leroy Cline Interview (Photos)	1993
1	5	Research Projects-Pine Creek Tungsten Project-Notes from Pine Creek	N.D.
1	6	Research Projects-Pine Creek Tungsten Project-Paper-Geology and Tungsten Mineralization of the Bishop District California	1965
1	7	Research Projects-Pine Creek Tungsten Project-Pine Creek Interviews	1993
1	8	Research Projects-Pine Creek Tungsten Project-Pine Creek Notes (Photos)	1993
1	9	Research Projects-Pine Creek Tungsten Project-Pine Creek Tungsten Company	1918-1922
1	10	Research Projects-Pine Creek Tungsten Project-Pine Creek Tungsten Mine (Photos)	1974-1993
1	11	Research Projects-Pine Creek Tungsten Project-Production and Price Data	1990-1993
1	12	Research Projects-Pine Creek Tungsten Project-Sherwin Claims	N.D.
1	13	Research Projects-Pine Creek Tungsten Project-Sherwin, Birkett E. (1 of 2)	1993-1994
1	14	Research Projects-Pine Creek Tungsten Project-Sherwin, Birkett E. (2 of 2)	1926-1933
1	15	Research Projects-Pine Creek Tungsten Project-Sidebar Notes	1947
1	16	Research Projects-Pine Creek Tungsten Project-Southworth, John S.	1943-1993
1	17	Research Projects-Pine Creek Tungsten Project-Tungsten Literature (1 of 2)	N.D.
1	18	Research Projects-Pine Creek Tungsten Project-Tungsten Literature (2 of 2)	1922-1988
1	19	Research Projects-Pine Creek Tungsten Project-U.S. Tungsten	N.D.
1	20	Research Projects-Pine Creek Tungsten Project-U.S. Department of the Interior Bureau of Mines-Tungsten	1992
1	21	Research Projects-Pine Creek Tungsten Project-The Watterson Family	1993
1	22	Research Projects-Ray Mine Project-Arizona Department of Mines and Mineral Resources Publications	1979-1994
1	23	Research Projects-Ray Mine Project-Bibliography and Miscellaneous Notes	1967-1995

1	24	Research Projects-Ray Mine Project-Coggin, H. Mason Paper	1994
<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
1	25	Research Projects-Ray Mine Project-Correspondence	1995-1996
1	26	Research Projects-Ray Mine Project-Nevada Consolidated Copper Company	1996
1	27	Research Projects-Ray Mine Project-Notes	1995
1	28	Research Projects-Ray Mine Project-Printed Material	1995-1996
1	29	Research Projects-Ray Mine Project-Project Notes	1995
1	30	Research Projects-Ray Mine Project-Railroad Notes	1980-1984
1	31	Research Projects-Ray Mine Project-Ray Mine	N.D.
1	32	Research Projects-Ray Mine Project-Research Notebooks	N.D.
1	33	Research Projects-Ray Mine Project-U.S. Department of the Interior Bureau of Mines Mineral Industry	1991-1997
1	34	Research Projects-Ray Mine Project-Zeckendorfs	N.D.
1	35	Research Files-Arizona & Michigan Mining Company-Articles of Incorporation	N.D.
1	36	Research Files-Arizona & Michigan Mining Company-Background Information	N.D.
1	37	Research Files-Arizona & Michigan Mining Company-Bond and Lease	N.D.
1	38	Research Files-Arizona & Michigan Mining Company-Claims	N.D.
1	39	Research Files-Arizona & Michigan Mining Company-Financial History	1908-1999
1	40	Research Files-Arizona & Michigan Mining Company-General	1909-1999
1	41	Research Files-Arizona & Michigan Mining Company-Journal	1908-1998
1	42	Research Files-Arizona & Michigan Mining Company-Paper presented at Mining History Association	1998
1	43	Research Files-Arizona & Michigan Mining Company-Shareholders	1908-1911
1	44	Research Files-Arizona & Michigan Mining Company-Stock Certificate	1909
1	45	Research Files-Arizona & Michigan Mining Company-Stock Data	N.D.
1	46	Research Files-Arizona & Michigan Mining	N.D.

		Company-Subscribers and Stockholders	
<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
2	1	Research Files-Bigelows	1930-1999
2	2	Research Files-Bisbee	1997-1998
2	3	Research Files-Calumet & Cerro Gordo Mining Company	1906-1999
2	4	Research Files-Chynoweth, James	1887-1999
2	5	Research Files-Chynoweth, John	1998-1999
2	6	Research Files-Copper Economic Data	1907-1998
2	7	Research Files-Copper Handbook Analysis	N.D.
2	8	Research Files-Copper Hills	1997-1999
2	9	Research Files-Cornish in Mexico	1907-1999
2	10	Research Files-Cornish Mining	N.D.
2	11	Research Files-Correspondence from Erik Nordberg	1997-1999
2	12	Research Files-Correspondence to Erik Nordberg	1997-1999
2	13	Research Files-Dinges, Bruce	1998
2	14	Research Files-Emma J. Warner Claims	N.D.
2	15	Research Files-Fell, Jay	1998
2	16	Research Files-Genealogy	1997
2	17	Research Files-Gila Valley and Railroads	N.D.
2	18	Research Files-Globe, AZ	1995-1998
2	19	Research Files-Globe District Mining Camps	1914-1928
2	20	Research Files-Hermina Mining Company	1999
2	21	Research Files-Houghton County Historical Society	1998
2	22	Research Files-Hunter, Ed	1998
2	23	Research Files-Industry	1917-1999
2	24	Research Files-Investment Climate	N.D.
2	25	Research Files-Kilpela, Tauno	1998
2	26	Research Files-Michigan History	1994-1998
2	27	Research Files-Michigan History Magazine	1998
2	28	Research Files-The Milford Family	1951-1999
2	29	Research Files-Mining Finance	1903-1998
2	30	Research Files-Mining-General	1976-1999
2	31	Research Files-Mining History in Arizona	1997
2	32	Research Files-Montana Mining	1931-1996
2	33	Research Files-Notes on various subjects	N.D.
2	34	Research Files-Paine Webber	1880-1930
2	35	Research Files-Poverty	1996
2	36	Research Files-Rare Earths	1954-1991
2	37	Research Files-Superior & Boston Copper Company-Annual Reports	1907-1999

2	38	Research Files-Superior & Boston Copper Company-Articles of Incorporation	1907-1926
<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
2	39	Research Files-Telfair Mining Corporation	1965-1999
2	40	Research Files-Todd, A.C.-The Search For Silver Cornish Miners in Mexico 1824-1947	1981
2	41	Research Files-Treasure Hill Mining Camp	1963
2	42	Research Files-Trojanovich, Anton	1908-1999
2	43	Research Files- Trojanovich, John	1998
2	44	Research Files-U.S. Department of the Interior, U.S. Geological Survey, Mineral Industry Surveys-Nickel	1995-1997
2	45	Writings-California Geology	1993
2	46	Writings-Desert Jewels of San Diego County	1994
2	47	Writings-Kentucky Camp Chronicle	1996-1999
2	48	Writings-Mexican Crystals	1990
2	49	Writings-Mining Calcite Crystals During World War II	1995
3	1	Writings-Mining Calcite Crystals for the Optical Ring Sight	1992
3	2	Writings-Montana Potatoes: The Short Term Revival of Clyde Park	1990
3	3	Writings-Recent Military Operations in the Anza-Borrego Desert State Park	1991
3	4	Writings-A Sight For Sore Eyes	N.D.
3	5	Writings-The Sight That Failed	N.D.
3	6	Writings-Story Outline-Sand and Grit: Mining the Borrego Badlands for World War II	1987
3	7	Writings-The Wood Family of Lancashire, England and Gloucester County, New Jersey	1985
3	8	Photographs-Arizona & Michigan Mining Company	1994-1998
3	9	Photographs-Anza Borrego Desert State Park-Debris and Targets	1991
3	10	Photographs-Anza Borrego Desert State Park-Geology and Survey Photographs	1991
3	11	Photographs-Anza Borrego Desert State Park-Markers and Area Photographs & Negatives	1991
3	12	Photographs-Anza Borrego Desert State Park	
3	13	Photographs-Miscellaneous Photographs	N.D.
3	Item #14	Optical Ring Sight Calcite Project-Oversize Map	N.D.
3	Item	Gun Sights	N.D.

	#15		
<b>Box</b>	<b>Folder</b>	<b>Title</b>	<b>Dates</b>
3	Item #16	Optical Calcite Disks	N.D.
3	Item #17	Driving Lenses and Glare Test	N.D.
3	Item #18	Calcite Samples	N.D.
3	Item #19	Calcite Samples	N.D.