

TITLE: ADMMR John E. Kinnison mining collection

DATE RANGE: 1910-1989

CALL NUMBER: MS 1520.02

LOCATION: Arizona History Museum, 949 E Second St, Tucson, AZ 85719

PHYSICAL DESCRIPTION: 10 linear ft (10 boxes)

PROVENANCE: Transferred from the University of Arizona, 2022

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PREFERRED CITATION: Arizona Historical Society, MS 1520.02, ADMMR Kinnison Collection

PROCESSED BY: Casey Brown, 2011-2012 (for AZGS); inventoried by AHS staff 2022

DIGITAL COLLECTION: Digital versions of many of the items in this collection can be accessed by searching for a specific mine name at: [Arizona Geological Survey Mining Data](#). Previous versions of this inventory are available as free AZGS Open-File Reports at the AZGS Document Repository: repository.azgs.az.gov

HISTORICAL NOTE: In January 2011, the Arizona Department of Mines and Mineral Resources (ADMMR) was closed due to a lack of operating funds. Subsequently, Governor Jan Brewer signed into law a consolidation of ADMMR with the Arizona Geological Survey (AZGS), effective July 1, 2011. As part of this merger, AZGS took custody of all ADMMR files and assets. Governor Brewer's office requested AZGS inventory, catalog, and scan all ADMMR records and files to ensure their preservation and to improve accessibility to them by industry, government, and the public.

At the Governor's request, a one-time appropriation of \$100,000 was approved for AZGS in fiscal year 2012 (FY12) to digitize and preserve the ADMMR files. AZGS received an additional \$41,495 from the USGS National Geological and Geophysical Data Preservation Program for FY12. Beginning in July 2011, AZGS undertook to inventory and catalog the analog files held

by ADMMR, as the first step in what is expected to be a multi-year program to create a digital archive with complete metadata for all materials.

By August 2012, we completed collections level inventories of all materials in the ADMMR archives: 13,500 folders of mining records from 22 collections; approximately 10,000 maps in the ADMMR map collection; and 7,400 photographs from 6 collections.

In 2016, the responsibilities of the Arizona Geological Survey were transferred to the University of Arizona. In 2022, the University of Arizona transferred the ADMMR collections to the Arizona Historical Society.

SCOPE AND CONTENT NOTE: John Kinnison earned his master's in geology from the University of Arizona in 1958. He spent over twelve years with ASARCO. He was a consultant to the mining industry from 1973 to the early 1980s. He specialized in porphyry copper exploration in the Southwest U.S., but also worked in Mexico, Canada and the Western U.S., exploring base and precious metal veins and replacements, uranium, mercury, and gold placers. His professional work included management, target generation, ore reserves and mine evaluation. He had a professional history of general exploration, mine geology, sampling methods, surface mapping, extensive reconnaissance observation and mapping, and successful exploration for new ore deposits. The collection contains geologic reports, assays, maps, drill logs, correspondence and many published papers.

SUBJECT TERMS: Mines and mineral resources--Arizona; Geology, Economic--Arizona

Box	Title	County	Date
1	Registrations/ Resume: Kinnison, J.E.		
	Az Geological Society Digest, V. V		1962-1969
	Geo-Comp Staff		1969
	General Earth Minerals - General		1969
	Mission Mine Petrography	Pima (AZ)	1958-1965
	Helmet Peak Area	Pima (AZ)	1959-1960
	Mission Mine Exploration Geology		1954-1961
	Mission Mine - ASARCO/Banner C Holes		1961
	Banner Area Contour Map	Pima (AZ)	1964
	Mission San Xavier - Basement Fault		1962-1967
	Mission Paper - AIME		1964
	Mission Published Papers		1963
	Geologic Report: The Basement Fault	Pima (AZ)	1967
	East Pima: Stratigraphy & Structure	Pima (AZ)	1957
	Drill Logs: Pima	Pima (AZ)	1957
	East Pima: Work Sections E-W	Pima (AZ)	1956-1975
	Geol Report: Mission UG Workings	Pima (AZ)	1958
	East Pima: Sections	Pima (AZ)	1957
	Expl Review: San Xavier Indian Reserv	Pima (AZ)	1966
	Prelim Geol Sketch: Mission Mine	Pima (AZ)	1959
	Mission: Wkly & Current Assays	Pima (AZ)	1959
	East Pima Shaft: Geology	Pima (AZ)	1958
	East Pima Shaft: Sampling	Pima (AZ)	1958
	Mission: Metallurgical Rept	Pima (AZ)	1958
	San Xavier: North Mineralogy Study	Pima (AZ)	1967
	San Xavier Exploration (New)	Pima (AZ)	1957
	San Xavier Exploration (Old)	Pima (AZ)	1959
	San Xavier Mission North Fault	Pima (AZ)	1967
	San Xavier Tax - ASARCO Testimony	Pima (AZ)	1968
	San Xavier Tax - Recapitalization	Pima (AZ)	1968
	San Xavier Tax - Correspondence Exchanged	Pima (AZ)	1969
	San Xavier Tax - Legal Brief & Corespondence	Pima (AZ)	1968
	San Xavier Tax - Drilling Summaries & Geophysical	Pima (AZ)	1968
	San Xavier Reservation - Summary Logs	Pima (AZ)	1967
2	Mercury Program - General 1970 Nevada Program Proposal Drafts	Washington (ID)	1970

Box	Title	County	Date
2	Coso Mercury Deposit - Bucket Drilling - RI 4201	Inyo (CA)	1948
	Misc. Data & Correspondence	Pima (AZ)	1971-1975
	Ajo District - General	Pima (AZ)	1964
	Ajo District - Phelps Dodge New Cornelia Branch	Pima (AZ)	1964
	Ajo District - Porphyry Copper Exploration	Pima (AZ)	1961
	Ajo District - Maps	Pima (AZ)	1964
	Ajo District - New Cornelia Mine Maps	Pima (AZ)	undated
	Ajo District - Ajo Lineament	Pima (AZ)	1966
	Ajo District & Growler Pass - Porphyry Copper Exploration	Pima (AZ)	1974
	Ajo Reconnaissance - ASARCO	Pima (AZ)	1973
	Amole District - Bibliography	Pima (AZ)	1960-1977
	Amole District - Geophysical Surveys	Pima (AZ)	1961
	Geo-Comp Exploration Planning - Silver, Gold & Mercury		1969
	Geo-Comp Exploration Planning - Uranium		1969
	Geo-Comp Geologic Eval of Carrizo Cu Prospect	Imperial (CA)	1970
	Geo-Comp Consultants in Expl for Natural Resources-brochure		
	Geo-Comp Staff Meetings		1970
	Geo-Comp Development Program		1969
	Geo-Comp Exploration Planning - GF Industries Expl Fund		1969
	Almaden Mercury Mine - General	Washington (ID)	1957
	Mercury Program - General 1970 Nevada Program	Washington (ID)	1970
	Mercury Program - General Assaying and Sampling	Washington (ID)	1970
	Mercury Program - General Bibliography	Washington (ID)	undated
	Mercury Program - General Metallurgy	Washington (ID)	1969
	Mercury Program - General Price Survey (Bureau of)	Washington (ID)	1969
	Mercury Program - General Program Report Data	Washington (ID)	1970
	Downey, H. - Prelim Field Eval Dissem Opalite Hg Dep in NV		1969
	Cholla Flat	Pima (AZ)	
	Organ Pipe Monument Wilderness	Pima (AZ)	1974-1975
	Copper Mt. - Drill Logs	Pima (AZ)	1962
	Park Hill (Amole)	Pima (AZ)	1959

Box	Title	County	Date
2	Total Wreck Mine	Pima (AZ)	1964
	San Xavier - ASARCO	Pima (AZ)	1969
	Silver Bell District - B S & K	Pima (AZ)	1970
	Demetrie Copper Prospect - General	Pima (AZ)	1966-1983
	Demetrie Copper Prospect - Preliminary Report	Pima (AZ)	1970
	Silver Bell Distict - B S & K	Pima (AZ)	1907
	Edwards Copper - Preliminary Geologic Evaluation	Pima (AZ)	1976
	Tucson Mountains - Old Pueblo Mine, Copper Oxides	Pima (AZ)	1970
	Edward's Copper - Twin Buttes Area	Pima (AZ)	1970-1974
	Edward's Copper - Legal and Claims	Pima (AZ)	1968-1976
	Tucson Mountains - General	Pima (AZ)	1962-1971
	Tucson Mountains - Reconnaissance, Geology	Pima (AZ)	1943
	Silver Bell District - Briscoe-Fox Claims - Copper Proposal	Pima (AZ)	1972
	Silver Bell West Cap - Gravity Survey	Pima (AZ)	1977
	Pima Mine - Petrographic Study	Pima (AZ)	1954-1959
	Daisy Mine - Banner Mining Company - Copper vein	Pima (AZ)	1955
	Growler Pass - Copper Prospect	Pima (AZ)	1955-1967
	Big Bug Claims	Pima (AZ)	1955-1958
	Palant Copper Claims	Pima (AZ)	1973
	Gunsight Project CAP	Pima (AZ)	1976
	North Tucson Mountain - Reconnaissance	Pima (AZ)	1980
	Korn Kob CAP	Pima (AZ)	undated
	Bellota Uranium	Pima (AZ)	1976-1982
	Cutler Silver - Snyder Hill - Mary G	Pima (AZ)	1955-1982
	Hiltano Exploration Co. - Empire District - Lead Mtn Area	Pima (AZ)	1927-1974
	General	Pinal (AZ)	1975
	Table Top Region - Geological Reconnaissance and Mapping	Pinal (AZ)	1964
	Poston Butte Drilling Rept-1st phase	Pinal (AZ)	1961
	Poston Butte - Blackwater - Porphyry Copper - Maps	Pinal (AZ)	1960

Box	Title	County	Date
3	Poston Butte - Blackwater - Porphyry Copper - General	Pinal (AZ)	1960-1988
	Poston Butte - Blackwater - Blucher, A.G. Report	Pinal (AZ)	1961
	Poston Butte - Blackwater - Kirkpatrick, R.K. Rept - Summary of Exploration by Drilling	Pinal (AZ)	1963
	Bonanza Claims - West of Superior	Pinal (AZ)	1965-1969
	Poston Butte - Blackwater - Reserves	Pinal (AZ)	1975
	Casa Grande Valley - Detrital Copper Study	Pinal (AZ)	1968
	Cruce, V.L. Prospect	Pinal (AZ)	1966-1969
	Lake Shore	Pinal (AZ)	1968-1969
	Reymert Mine - Silver	Pinal (AZ)	1948-1980
	Kalamazoo	Pinal (AZ)	1969
	Kinnison Group - McElvenny Report	Pinal (AZ)	1946
	Picacho - Porphyry Copper	Pinal (AZ)	1967-1968
	Red Hills - Porphyry Copper	Pinal (AZ)	1969-1972
	Owl Head Buttes - Copper	Pinal (AZ)	1971-1973
	Orizaba Mine	Pinal (AZ)	1970-1971
	Tortolita Mountains, North	Pinal (AZ)	1971
	Troy Basin	Pinal (AZ)	1970
	Globe-Superior Region - Blucher, A.G. Reconnaissance	Pinal (AZ)	1958
	Globe-Superior Region - Blucher, A.G. Reconnaissance	Pinal (AZ)	1958-1959
	Cholla Mountain	Pinal (AZ)	1948-1979
	Black Hills	Pinal (AZ)	1971-1982
	Ruiz Copper	Pinal (AZ)	1972
	Control Copper Mine	Pinal (AZ)	1943
	Tortilla Mountains, North	Pinal (AZ)	1972
	Torilla Mountains	Pinal	undated
	Standard Mine - Cu Prospects	Pinal	1972
	Sullivan Copper Properties - Sacaton Mountains	Pinal	1972-1973
	Nunez Station Cu Prospect - Sacaton Mountains	Pinal	1973
	Nunez Station Cu Prospect - Exploration Proposal	Pinal	1973

Box	Title	County	Date
3	Nunez Station Cu Prospect - Supplemental Report, Kinnison & Sandy	Pinal	1973
	Nunez Station Cu Prospect - Consulting: Quintana	Pinal	1973-1974
	Casa Grande West CAP 20-52	Pinal	1976
	Casa Grande West CAP 20-52	Pinal	1976-1977
	Florence Ridge	Pinal	1979
	Red Mountain	Santa Cruz	1981
	Rich Hills - L. C. Arnold	Santa Cruz	1989
	Bond Silver	Santa Cruz	1910-1985
	Red Mountain	Santa Cruz	1968
	Patagonia Copper Lode Discovery	Santa Cruz	1970
	Ruby District - AEC Reconnaissance	Santa Cruz	1954
	Cobre Ridge CAP	Santa Cruz	1978
	General	Yavapai (AZ)	1974
	Copper Queen Mine	Yavapai (AZ)	1969
	Schist Belt Copper	Yavapai (AZ)	1969
	Grey Eagle Copper	Yavapai (AZ)	1970-1971
	Cordes Junction	Yavapai (AZ)	1970
	Squaw Peak Copper	Yavapai (AZ)	1971
	Octave Mine	Yavapai (AZ)	undated
	Groom Mine	Yavapai (AZ)	1938-1986
	Little Mac Copper Prospect	Yavapai (AZ)	1970
	Hassayampa Project	Yavapai (AZ)	1989
	General	Yuma (AZ)	1972
	Hovatter Copper	Yuma (AZ)	1973
	Hovatter Copper Report	Yuma (AZ)	1969
	Revelation Claims - General	Yuma (AZ)	1965-1966
	Revelation Claims - Report	Yuma (AZ)	1965
	Gold/Silver	Maricopa (AZ), Yuma (AZ)	1967
	Plomosa Gold Placer	Yuma (AZ)	1972
	Harqua Hala Mine	Yuma (AZ)	1967
	Bowyer Copper	Yuma (AZ)	1970
	Swansea Mine	Yuma (AZ)	1970
	Yuma Copper Mine	Yuma (AZ)	1956-1970
	Swansea Mine	Yuma (AZ)	1929-1982
	Amy Prospect	Cochise (AZ)	1970
	Turquoise Mining District	Cochise (AZ)	1956-1965
	Willcox Prospect	Cochise (AZ)	1964-1974

Box	Title	County	Date
3	Tombstone District - General	Cochise (AZ)	1953-1970
	Tombstone District - Geology	Cochise (AZ)	undated
	Teran Basin	Cochise (AZ)	1976
	Gun Creek Prospect	Gila (AZ)	1955-1976
	Mazatzal Mercury	Gila (AZ), Maricopa (AZ)	1964-1966
4	Red Bluff (Larsen)	Gila (AZ)	1966-1967
	Rock House Asbestos	Gila (AZ)	1959
	Quintenite Tonto Basin	Gila (AZ)	1970-1971
	Morgan Prospect	Gila (AZ)	1971
	New Dominion Group	Gila (AZ)	1955
	Round Top Group	Gila (AZ)	1956
	Scott Copper Property	Gila (AZ)	1954
	VIA Development Corporation	Gila (AZ)	1956-1963
	Old Dominion Mine	Gila (AZ)	1977
	McMillen District	Gila (AZ)	1983
	Champion Mine	Gila (AZ)	1989
	Lone Star District	Graham (AZ)	1965-1970
	San Simon Prospect	Graham (AZ)	1971
	Beehive Claims	Graham (AZ)	1970
	Sanchez	Graham (AZ)	1975
	Ash Peak Mine	Greenlee (AZ)	1982
	Gold and Silver	Maricopa (AZ)	1982
	Painted Rock Prospect	Maricopa (AZ)	1967-1978
	Morristown Kaolin	Maricopa (AZ)	1968-1971
	Dixie Prospect	Maricopa (AZ)	1970-1971
	Farrow Porphyry Copper	Maricopa (AZ)	1970-1972
	Alaska Mine	Maricopa (AZ)	1970
	Sand Tank Porphyry Copper - Gunnery Range - General	Maricopa (AZ)	1941
	Sand Tank Porphyry Copper - Volcanic Field Report	Maricopa (AZ)	1966
	Maricopa Program	Maricopa (AZ)	1951-1982
	Maricopa Copper Program	Maricopa (AZ)	1972
	Vulture Mountains - Geophysics	Maricopa (AZ)	1972
	Vulture Mountains - Geology	Maricopa (AZ)	1/1/1972
	Magazine Mining District	Maricopa (AZ)	1934-1937
	General	Mohave (AZ)	1971
	Lost Basin (General)	Mohave (AZ)	1968
	Lost Basin - Gold Placer Report	Mohave (AZ)	1968

Box	Title	County	Date
4	Lost Basin Gold Placer (Maps)	Mohave (AZ)	1953-1960
	Oatman District	Mohave (AZ)	1972
	Black Mountain - Copper	Mohave (AZ)	1972
	Black Mountain - Copper Prospect Report	Mohave (AZ)	1972
	Oatman District - Quincy Crane Gold (Getty Oil)	Mohave (AZ)	1980-1982
	Gold Basin District - Cyclopic Mine	Mohave (AZ)	1982
	Central Copperosity Greenback - Papago Indian Reservation	Pinal (AZ)	1966-1969
	General - Papago Indian Reservation	Pinal (AZ)	1972
	Exploration - Papago Indian Reservation	Pinal (AZ)	1961-1969
	Porphyry Copper Reward - Papago Indian Reservation	Pinal (AZ)	1966
	Ventana Mine - Papago Indian Reservation	Pinal (AZ)	1970
	Casa Grande Mining District - Papago Indian Reservation	Pinal (AZ)	1973
	Casa Grande Mining District - Economic Geological Reconnaissance -Papago Indian Reservation	Pinal (AZ)	1953
	Papago Groundwater - Papago Indian Reservation	Pinal (AZ)	1961
	Vaiva Vo Hills CAP - Papago Indian Reservation	Pinal (AZ)	1977
	Casa Grande Mining District - Paleozoic Stratigraphy -Papago Indian Reservation	Pinal (AZ)	1965
	Mineral Exploration Rept. - Stebbins Mineral Surveys, Inc. - Papago Indian Reservation	Pinal (AZ)	1961-1964
	General Notes Porphyry Cu Deposits		1958-1971
	Descriptive Papers (A-M) - Porphyry Cu Deposits		1952-1976
	Descriptive Papers (N-Z) - Porphyry Cu Deposits		1954-1977
5	Descriptive Papers - US (excl. AZ) - Porphyry Cu Deposits		1976
	Descriptive Papers - Foreign - Porphyry Cu Deposits		1973
	San Pedro Metal Province - Porphyry Cu Deposits		1976

Box	Title	County	Date
5	Kenyon Richard - Porphyry Cu Prospecting		1951-1976
	J. H. Courtright - Porphyry Cu Prospecting		1950-1963
	Oxidation of Disseminated Cu Ores - George Tunnell Report		1930-1947
	Lineaments - Arizona		1966-1978
	Kinnair Associates - Porphyry Cu Prospecting		1970
	Arizona General Exploration - Note File - Porphyry Cu Exploration		1966-1971
	Arizona General Exploration - Geology - Miscellaneous - Porphyry Cu Exploration		1965-1975
	Arizona General Exploration - Geology - Associates Symposium - Porphyry Cu Exploration		1971-1977
	Arizona General Exploration - Geology - Tactite Deposits - Porphyry Cu Exploration		1961-1964
	Arizona General Exploration - Porphyry Cu Exploration		1970
	Bibliography - Porphyry Cu Exploration		undated
	Porphyry Cu Deposits - Peripheral Zoning		1972
	Arizona General Exploration - CAP Resume - Cu Oxide Search		1989
	Porphyry Copper Exploration - Remote Sensing		1969-1973
	Unclassified - General - Fluorspar		1960-1974
	Unclassified - Land Status		1972-1977
	Unclassified - Exploration Philosophy		1971
	Porphyry Copper Exploration		1972
	Porphyry Copper Exploration - Pediment Program - General		1961-1971
	Porphyry Copper Exploration - Pediment Search		1970-1973
	Porphyry Copper Exploration - Mercury Vapor Detection		1973
	Airborne Exploration - Air Reconnaissance Notes		1967-1977

Box	Title	County	Date
5	Airborne Exploration - Aerial Photography/Geophysics		1970-1973
	Salton Sea - Geothermal	Imperial (CA)	1969
	Imperial County Placer - General	Imperial (CA)	1970
	Imperial County Placer - Glen Shields's Final Report	Imperial (CA)	1968
	Imperial County Placer - Maps	Imperial (CA)	1968
	Imperial County Placer - Golden Cycle Logs	Imperial (CA)	1969
	Imperial County Placer - Geologic Evaluation Report	Imperial (CA)	1969
	Project GC-75 - Gravity Separation of Gold Placer Samples		1969
	Carrizo Copper	Imperial (CA)	1970
	Carrizo Copper - Geologic Evaluation	Imperial (CA)	1970
	Burslem Gold	Imperial (CA)	1971
	Whittaker Iron	Inyo (CA)	1969
	Mono Lake - Geologic Mapping	Mono (CA)	1969
	6	Melo White Tank Area and PHX worksheets	
	White Tank Mountains	Maricopa (AZ)	
	White Tank Mountains Legal File	Maricopa (AZ)	
	White Tank Mountains Claim Data	Maricopa (AZ)	
	White Tank Mountains Drilling / Equipment	Maricopa (AZ)	
	Geology White Tank Mountains	Maricopa (AZ)	
	Copeland Area Copper White Tank Mountains	Maricopa (AZ)	
	Contractors, Drilling: Baroid Division		
	Contractors, Drilling: General		
	Drilling, General: Drilling services/ contractors		
	Drilling, General: General file, no. 1		
	Drilling, General: General file, no. 2		
	Drilling, General: Baroid		
	Drilling, General: Drill log forms- KEM		
	Drilling: Shift forms		
	Drilling, General: Samples Manual - J.R. Wojcik		
	Drilling: Arizona Drilling Regulations		

Box	Title	County	Date
6	Sacaton Final Report	Pinal (AZ)	
	Sacaton Drilling	Pinal (AZ)	
	Drilling General: Rheological and Wall-Building Properties of Drilling Fluids		
	Viscosity reducing agents		
	Sperry-Sun Well Surveying Instrumetns and Services		
	Sell Logging Equipment Only		
	Drilling and Sampling: Mission (East Pima) and San Xavier Projects	Pima (AZ)	
	Drilling, General: Exploration Drilling - AZIMI		
	Hawley & Hawley		
	Assay Offices: Rocky Mountain Geochemical Corp		
	Conversion Factors: Metric - AVD & General		
	Assay Offices: General		
	Outgoing correspondence (copies): John E. Kinnison		
	Sacaton photo enlargements		
	Sacaton Geology (current use)	Pinal (AZ)	
	Sacaton Early Reports	Pinal (AZ)	
	Sacaton Progress Reports	Pinal (AZ)	1963
	Sacaton General File	Pinal (AZ)	
	Sacaton Geology	Pinal (AZ)	
7	Sacaton Leaching	Pinal (AZ)	
	Sacaton Heavy Mineral Studies	Pinal (AZ)	
	Cholla Flat (Pima Mine District)		
	Cholla Flats		
	Cholla Flat and Tactite Ex., Assessment drilling		
	Cholla Flat (Anaconda Drilling)		
	Cholla Flat - Twin Buttes Area	Pima (AZ)	1961
	Sierrita Mountains	Pima (AZ)	1960
	Monthly Reports, Tucson Office		1971-1972
	Monthly Reports - submitted by Oakland, CA		1970-1972
	Submittals by month - Tucson office - Kaiser Exploration and Mining Company		

Box	Title	County	Date
7	JEK Monthly Reports		1973
	Silver - Yuma County- Commodities, Exploration	Yuma (AZ)	
	Silver - Imperial County- Commodities, Exploration	Imperial (CA)	
	Silver - Inyo County- Commodities, Exploration	Inyo (CA)	
	Silver - Kern County - Commodities, Exploration	Kern (CA)	
	Silver - San Bernadino County - Commodities, Exploration	San Bernadino (CA)	
	Arizona Ag (silver)		
	Imperial Co., Riverside Co. Ag (silver)	Imperial (CA), Riverside (CA)	
	Inyo Co. Ag (silver)	Inyo (CA)	
	Silver- Riverside County, CA - Commodities, Exploration	Riverside (CA)	
	Kern Co. Ag (silver)	Kern (CA)	
	San Bernadino Co. Ag (silver)	San Bernadino (CA)	
	Vulture Mountain Copper Prospect	Maricopa (AZ)	
	Unsorted Documents		
	Unsorted Documents		
	Unsorted Documents		
	Thesis		
	UO Ranch Kinnison Bros. Financial		1918-1934
	Phillips Uranium Corp. General Job no. 0138		
	Wyoming Minerals General		
	Kinnair General		
	CAP General		
	Harold Bloom's Geochemical Short Course		
	AEC Workshop (Uranium)		1969
	Exploration Philosophy		
	Exploration Philosophy Baily		1964
	Geochem Research		
	Geophysics		
	Geophysic		

Box	Title	County	Date
8	I. P. Theory and Practice - Scientific and Technical		
	Scientifical and Technical: Penrose Conference (Porphyry Copper)		1969
	Scientifical and Technical: Scientific		
	Scientifical and Technical: Total Sulphide Calculations Mission - Sacaton		
	Technical and Scientifical: Technical Writing Notes		
	Technical Registration: General - Geology and Engineering		
	Commodities, Exploration: Uranium, Misc. Publications to 1957		
	Silver - Sheep Tanks Mine (general file)	Yuma (AZ)	
	Sheep Tanks Mine - Cyprus Report	Yuma (AZ)	
	Sheel Tanks Mine - Yuma County, AZ	Yuma (AZ)	
	Technical Registration - California - Geology Registration		
	State Board of Registration for Geologists - Arizona		
	Mining Legal Problems: Mining claims general		
	Mining Legal Problems: Mining legislation general		
	Mining Legal Problems: Mining legislation correspondence		
	Environmental: Govt land restrictions general file		
	Business and Economics: Mining costs / Metal Prices Forecasting		
	Business and Economics: Mining costs / Metal Prices Forecasting		
	Business and Economics: Mining Cost Gold		
	Business and Economics: Ore Reserve / Outcome		
	Smelter Schedules		
	Business and Economics: Mining Image		
	Business and Economics: Annual Reports		

Box	Title	County	Date
8	Business and Economics: Taxation, Arizona		
	Commodities, Exploration: Antimony		
	Commodities, Exploration: Copper		
	Commodities - Energy General		
	Commodities Oil Gas Coal (General File)		
	Commodities, Exploration: Flourspar		
	Commodities, Exploration: Gold Placer		
	Commodities, Exploration: Gold / Silver Disseminated Miscellaneous Data		
	Commodities, Exploration: Gold / Silver sampling, assaying		
	Commodities, Exploration: Mercury Prospecting		
	Commodities, Exploration: Rare Earths		
	Commodities, Exploration: Platinum		
	Commodities, Exploration: Salt Deposits, Arizona		
	Commodities, Exploration: Silver, general file		
	Commodities, Exploration: Titanium, Arizona		
	AEC Uranium Reserves and Calculation Methods		1963-1974
	Hard Rock Uranium		
	Commodities, Exploration: Uranium, General File		
	General Exploration - Cu Costs - Mining, Milling, S	Arizona	1977
	Metal Production/Reserves	Arizona	1979
	Copper Production/Reserves	Arizona	1973-1977
	Copper Production/Reserves	Arizona	1972
	General	Arizona, Wyoming	1966-1978
	Arizona Geological Society Mailing List	Arizona	1979
	Arizona Age Dating	Arizona	1962-1972
	Arizona Geology Ground water conference	Arizona	1965
	Newspaper Clippings		1972
	Mining & Geology		1961-1964
	Arizona Maps		1956-1958
	Geology Theses University of Arizona Departmen	Arizona	1972
	Stratigraphy	Arizona	1962

Box	Title	County	Date
9	Geochemical Research - Miscellaneous		
	Mining Club of the Southwest - Tucson		
	Tucson Mountains Miscellaneous		
	Tucson Mountains Chaos - Arizona Geological Society - Miscellaneous		1964
	Notices - Claim Location - Miscellaneous		
	Accounts Payable - Geochemical Research - Hawley & Hawley Miscellaneous		1972
	Forms, Logs, Paper - Technical		
	Morenci Safford Geology		
	Jets Claims - Lone Star District	Graham (AZ)	
	Morenci- Safford Miscellaneous Properties		
	Copper Mountain - Myers Mining District	Pima (AZ)	
	Sierra Ancha Uranium Proposal		
	Western Arizona Gold Review - Quintana		
10	Keystone Mine Report - J.E. Kinnison	Gila (AZ)	1970
	Arizona Territory Declaration	Gila (AZ)	1962
	Viking Rocket View - Series 12		1948
	Black Mountain Gold	Pinal (AZ)	1981
	Reference - Econ Geol V.69, 1974	Pinal (AZ)	1974
	Geol Rpts: Big Horn/Vulture Recon	Maricopa (AZ)	1973-1974
	Tombstone CAP		1975
	Miscellaneous - Explor for Deeply Buried Porphyry Cu Dep in SW US		1974-1975
	Sawtooth Mountains Area		1972
	Ref: Lineaments-Ineffective Guides...		1976-1979
	Arizona Index Maps		undated
	Kofa Game Range WDI Path and General	Yuma (AZ)	1974
	Index - Topographic Maps		undated
	Topographic Maps - Ajo Region		1934
	Topographic Maps - Bradshaw and Jerome		1949
	Topographic Maps - Casa Grande/Florence		1956
	Topographic Maps - Patagonia/Santa Rita		1947
	Topographic Maps - Papago		1963
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Box	Title	County	Date
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