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AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

March 1, 1968

TO: General Office

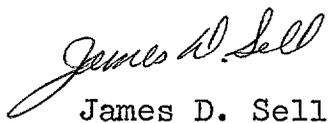
FROM: J. D. Sell

Arizona Bureau of Mines
Bulletin 173-Bibliography

Attached are some corrections, additions to present listings,
and additional (new) listings for the bibliography:

Bibliography of the
Geology and Mineral Resources
of Arizona
1848-1964

By
Richard T. Moore and Eldred D. Wilson
The Arizona Bureau of Mines
Bulletin 173
1965


James D. Sell

JDS:kc
Attachment

The Arizona Bureau of Mines
Bulletin 173
Bibliography of the Geology and Mineral Resources of Arizona

Corrections to Listing

- Babbitt, B. E. (p. 16).
Out of place. Should be between Bears and Babcock (p. 15).
- Feth, J. H. (p. 62, listing No. 5).
Should be: p. 1327 - 1328 (1952).
- Kreiger, Medora H. (p. 106).
Name should be: Krieger.
- Ming-Shan Sun (p. 131, listing No. 1).
Should be: p. 1311 - 1312 (1954).
- Stokes, William Lee (p. 178, listing No. 7).
Year should be: 1950, not 1960 as listed.
- Tavelli, J. A. (p. 182).
Number should be: RMO-697, not -679 as listed. See
Wright, R. J. p. 210, listing No. 1, for RMO-679.
- Wilson, Eldred D. (p. 205, listing No. 45).
Number should be: RI-3958, not -3950 as listed.
- Wisser, Edward H. (p. 208, listing No. 2).
Add: (with discussion);
Also, pages should be: p. 34 - 42, not p. 4-12 as listed.

Additions to Present Information on Listings

Lowell, J. D. (p. 115, listing No. 1).

Add reference: USAEC, RME-44, 17 pages (1953).

Mitchell, W. G. (p. 134).

Add reference: AIME trans., v. 61, p. 58 - 59 (1919).

Newhouse, W. H. (p. 138, listing No. 1).

Note: The AIME Trans., general volume for year 1931 has been renumbered as: AIME Trans., v. 96.

Schuette, C. N. (p. 166, listing No. 1).

Note: The AIME Trans., general volume for year 1931 has been renumbered as: AIME Trans., v. 96.

Wilson, Eldred D. (p. 204, listing No. 11).

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Wilson, P. D. (p. 207, listing No. 2).

Add reference: AIME Trans., v. 61, p. 55 - 58 (1919).

Additional Listing not in Present Bulletin

Benedict, P. C. (on page 20).

Some relations of ore deposits to folded rocks (discussion):
AIME Trans., general volume, v. 96, p. 247 (1931).

Cloos, Hans (on page 41 between Clippinger and Coates).

Conversation with the Earth (Arizona, Chapter XV, p. 234-246):
Alfred A. Knopf, New York, 413 pages (1953).

Knoerr, A. W. (on page 105).

San Manuel - America's newest large copper producer:
Engr. Min. Jour., v. 157, no. 4, p. 75-104 (1956).

Lindgren, Waldemar (on page 112).

A geological analyses of the silver production of the
United States in 1906: USGS Bull. 340-A, p. 3-15 (1908).

Lochman-Balk, Christina (on page 113 between Livingston and Lock).

The Cambrian of the Rocky Mountains and southwestern deserts
of the United States and adjoining Sonora Province, Mexico
(Arizona, p. 538-553) in El Sistema Cámbrico, sucropaleogeogra-
fia y el problema de su base - Symposium: XX International
Geological Congress, Mexico, pt. 2, p. 529-662, illus. (1956).

Long, John T., Jr., and Olson, George G. (on page 114).

Diatomaceous earth in Arizona: Arizona Research Consultants,
Phoenix, 28 p. (1956). (Note: Printed and distributed
by the Arizona Development Board, Phoenix).

Sharp, Byron J. (on page 168).

Preliminary report on a uranium occurrence and regional
geology in the Cherry Creek area, Gila County, Arizona:
USAEC, RME-2036 (Rev.), 16 pages (1956).

Sykes, Godfrey G. (on page 181).

A westerly trend: Arizona Pioneers Historical Society,
Tucson, 325 pages (1944).

Tarr, Ralph S. (on page 182 between Tanner and Tarr, W. A.).

Economic geology of the United States: The MacMillian Company,
New York, 525 pages (1900). (Note: this is the Second
Edition; the first printed in 1893).

Additional Listings - Continued

Weir, G. W. (on page 196).

Cross-laminations in the Salt Wash sandstone member of the Morrison Formation: (Abst)., GSA Bull., v. 62, no. 12, pt. 2, p. 1514 (1951).

Wright, Robert J. (on page 210).

Where to look for uranium, p. 91-95 in U_3O_8 - Formula for profit: Eng. Min. Jour., v. 155, no. 9, p. 87-118 (1954).

Youngs, F. O., and others (on page 211).

Soil survey of the Tucson area, Arizona: U. S. Dept. Agr. Bur. Plant Indust., ser. 1931, no. 19, p. 1-60, illus., map (1936).

CIM SPECIAL VOLUMES A REFERENCE LIBRARY

STRUCTURAL GEOLOGY OF CANADIAN ORE DEPOSITS, Volume I

This Volume presents the results of investigations by more than 125 top Canadian geologists and mining engineers, describing the main structural features of Canada's metalliferous mines and mineralized areas. Detailed descriptions are given of many of the properties in each area. 1948 (950 pages).

STRUCTURAL GEOLOGY OF CANADIAN ORE DEPOSITS, Volume II

Issued as a supplement to Volume I, this book updates information and modifies details of many of the mines and areas previously described. Maps and sections of properties and mineralized areas are also featured. 1957 (525 pages).

MINING IN CANADA

This Volume is an outstanding appraisal of Canadian mining techniques. Prepared by 64 top authorities, it has separate chapters dealing with Shaft Sinking, Drifting and Raising, Drilling, Blasting, Ground Support, Ventilation and Fire Control, Hoisting, Underground Haulage, Drainage and Pumping, Mine Safety, and Coal Mining. 1957 (600 pages).

THE MILLING OF CANADIAN ORES

This is an exceptional Volume on Canada's beneficiating plants and practices, with descriptions of equipment and techniques. It contains 150 articles by authorities on ore dressing technology, ranging from the history of milling in Canada to the techniques of milling various complex ores 1957 (450 pages).

THE GEOLOGY OF CANADIAN INDUSTRIAL MINERAL DEPOSITS

This Volume, containing 53 papers by various authorities throughout Canada, deals with the occurrence and geology of Canadian industrial minerals — from actinolite to witherite. 1957 (250 pages).

TECTONIC HISTORY AND MINERAL DEPOSITS OF THE WESTERN CORDILLERA

The 26 papers contained in this Volume were assembled by outstanding Canadian and American geologists. Ten of the papers correlate the major tectonic features of the Western Cordillera of British Columbia and neighbouring parts of the United States; the others deal extensively with the mineral deposits of the area. Ten folded maps, including multi-coloured tectonic maps of British Columbia and south-east Alaska, are included. 1966 (350 pages).

ORE RESERVE ESTIMATION & GRADE CONTROL

The papers of this unique Volume represent a first effort by the mining industry to weigh and compare various techniques and practices used in the estimation of ore reserves and in grade control, particularly with the recent and potential application of computer techniques. The first 12 papers provide an introduction to statistical analysis and computer technology; this is a good background for the 28 case-history papers, which describe applications of methods of ore reserve estimation and grade control at underground and open-pit mines all across Canada — from Newfoundland to B.C. 1968 (330 pages).

THE ICE SEMINAR — Special Vol. 10

The most recent of CIM's Special Volumes, this publication contains 13 papers presented during the 19th Annual Technical Meeting of The Petroleum Society of CIM, held in Calgary in May of 1968. Six of the papers are concerned with the direct effects of ice on structures, and measures that can be taken to alleviate these effects; the others deal with ice conditions in Canada's northern waters. This Volume should be an invaluable reference in view of the recent interest in the North by both the petroleum industry and the mining industry. ... April, 1969 (110 pages).

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1971

NOTICE

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TO: STAFF, Southwestern Exploration Department

FROM: J. H. Courtright

We have in the library for your general use three Tour Books from the American Automobile Association as follows:

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Northwestern 1969-70
(Idaho, Montana, Oregon, Washington, Wyoming)

Southwestern 1969-70
(Arizona, Colorado, New Mexico, Utah)

August 18, 1969

kvs

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

August 23, 1971

TO: All Geologists, Southwestern Exploration Division

FROM: W. L. Kurtz

In order to reduce the amount of material circulating through the office, all bibliographies will be routed to George Stathis, who will be responsible for ordering publications for our library.

Mrs. Earley will keep all bibliographies, circulars and monthly periodicals such as Pay Dirt, etc., etc., on file in the library where they can be reviewed at your leisure. Also, Mrs. Earley will periodically issue a list of new additions to our library.

One of Mr. Stathis' functions will be to review all literature relating to the southwest and porphyry coppers in general. He will bring to your attention the pertinent literature by Xeroxing appropriate excerpts or by a written summary, or by circulating the entire article.

Since the geologic literature becomes rather voluminous, Mr. Stathis may request certain of you to review specific articles. Please inform Mr. Stathis of those subjects you would be interested in reviewing.


W. L. Kurtz

WLK:lad

cc: JHCourtright
KEarley

October 11, 1971

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

THESIS

A Study of the Distribution of Trace Elements in Some Igneous Rocks of Northwestern and Central Arizona, PhD Dissertation by George Wendell Putman, January, 1961

Computerized Lineament Tectonics and Porphyry Copper Deposits in S.E. Arizona and S.W. New Mexico, PhD Dissertation by William Pierce Carson, December 1969

Geological and Geophysical Investigations of the Mineral Deposits of the Calico Area, Mineral County, Nevada, by Edmond Francis Lawrence, PhD Dissertation, June 1969

Geology of the West Tintic Range and Vicinity, Tooele and Juab Counties, Utah, PhD Dissertation, by Sidney Lavern Groff, June 1969

U.S. BUREAU OF MINES

Report of Investigations

7555 - Sampling Gold Lode Deposits, Bluff, Seward Peninsula, Alaska, 1971 by John W. Mulligan with section on Petrography by Walter L. Gnagy

MISCELLANEOUS

Mining and Ecology in the Arid Environment, Department of Mining and Geological Engineering, College of Mines, University of Arizona, March, 1970

Tectonic History and Mineral Deposits of the Western Cordillera, by the Canadian Institute of Mining and Metallurgy, Special Volume No. 8, 1966

Volcanism and Ore Genesis, by Tastuo Tashumi, 1970

International Mineralogical Association, Third General Meeting, Papers and Proceedings, Special Paper No. 1, 1963 (Mineralogical Society of America)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

THESIS

Uranium at Copper Cities and Other Porphyry Copper Deposits, Miami District, Arizona, PhD Thesis by Arthur Rood Still, January, 1962

Geology of the Pilot Mountains and Vicinity, Mineral County, Nevada, PhD Dissertation, by Richard Leroy Nielsen, 1964

Tertiary and Quaternary Geology of the Tusas-Tres Piedras Area, New Mexico, PhD Dissertation, by Arthur P. Butler, Jr. 1946 (Microfilm)

USGS

Bulletins

1311-B - Stratigraphy and Potassium-Argon Ages of Some Tertiary Tuffs from Lander and Churchill Counties, Central Nevada, by Edwin H. McKee and John H. Stewart, 1971

MEXICO

Libreto Guía De Excursiones, IX Convencion Nacional, Asociacion de Ingenieros de Minas, Metalurgistas y Geologos de Mexico, Distrito Sonora, 1971

Comision de Fomento Minero, Memoria 1969

MISCELLANEOUS

An Introduction to Exploration Economics, by R.E. Megill, 1971

Guidebook of the San Luis Basin, Colorado, New Mexico Geological Society, Twenty-Second Annual Guidebook, 1971

Index of Well Samples by the Oil and Gas Conservation Commission of the State of Arizona, June 1971

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

THESIS

Geology, Alteration, and Mineralization of the San Juan Mine Area, Graham County, Arizona, by David William Blake, 1971 (M.Sc.)

USGS

Bulletins

1299 - Geology of the Panamint Butte Quadrangle, Inyo County, California, by Wayne E. Hall, 1971

1312-P - Geochemical Reconnaissance of the Cortez-Buckhorn Area, Southern Cortez Mountains, Nevada, by John D. Wells and James E. Elliott, 1971

1332-B - Clinoptilolite of Possible Economic Value in Sedimentary Deposits of the Conterminous United States, by Richard A. Sheppard, 1971

Professional Papers

521-C - Geology of the Paleozoic Rocks, Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah, by J.H. Irwin, P.R. Stevens, and M.E. Cooley, 1971

574-D - Elemental Composition of Surficial Materials in the Conterminous United States, by Hansford T. Shacklette, J.C. Hamilton, Josephine G. Boerngen, and Jessie M. Bowles, 1971

668 - Hybrid Granitoid Rocks of the Southern Snake Range, Nevada, by Donald E. Lee and Richard E. Van Loenen, 1971

750-C - Geological Survey Research, 1971, Chapter C, 1971.

Bureau of Mines

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Glosario de Terminos, Geologicos Ingles - Español, Edicion Preliminar, by George A. Seiglie and John D. Weaver, 1968

NEW MEXICO

State Bureau of Mines and Mineral Resources Map 23 - Reconnaissance Geologic Map of the Pelona Thirty-Minute Quadrangle, by Max E. Willard and Charles E. Stearns, 1971

CALIFORNIA

Special Report 103 - Trace Elements in the Plumas Copper Belt,
Plumas County, California, by Arthur R. Smith, 1970

MISCELLANEOUS

Geochemical Exploration, Special Vol. 11, 1971 - The Canadian
Institute of Mining and Metallurgy

Comprehensive Index of the Publications of the American Association of
Petroleum Geologists, 1946-1955, by Daisy Winifred Heath and June
McFarland, 1957

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Edwards Gieselmann, 1967

ECONOMIC GEOLOGY

General Index, Volumes 51-60, 1956-1965

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Monograph 1, Economic Geology, Rock Alteration as a Guide to Ore -
East Tintic District, Utah, by T.S. Lovering, 1949

Monograph 3, Economic Geology, Genesis of Stratiform, Lead-Zinc-Barite-
Fluorite Deposits (Mississippi Valley Type Deposits), A Symposium, by
J.S. Brown, Editor, 1967

Monograph 4, Economic Geology, Magmatic Ore Deposits, a Symposium, by
H.D.B. Wilson, Editor, 1969

1972

January 10, 1972

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

THESIS

Geology of the Lordsburg Quadrangle, Hidalgo County, New Mexico, by R.F. Flege, Jr., 1960 (PhD)

Geology of the Central Peloncillo Mountains, Hidalgo County, New Mexico, and Cochise County, Arizona, June, 1957, by Elliot Gillerman (PhD)

The Geology of Mission Copper Mine, Pima Mining District, Arizona, by Robert Earle Gale, 1965 (PhD)

The Geology of the Knight Range, Grant County, New Mexico, by Donald Lawrence Ballman, 1959 (PhD)

Geology and Petrogenesis at Chuquicamata, Chile, by B.L. Renzetti, 1957 (PhD)

USGS

Circular

638 - Reports and Maps of the Geological Survey Released Only in the Open Files, 1970, by Betsy A. Weld, Margaret S. Griffin, and George W. Brett

Bulletins

1312-K - Orientation Geochemical Soil Survey at the Nixon Fork Mines, Medfra Quadrangle, Alaska, by Bruce L. Reed and Roger L. Miller, 1971

NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES

Memoir 24 - Geology of the Pecos Country, Southeastern New Mexico, by Vincent C. Kelley, 1971

NEVADA BUREAU OF MINES

Map No. 42 - Geologic Map Index of Nevada, 1955-1970, by Ira A. Lutsey

MISCELLANEOUS

Arizona Fluorspar by E.A. Elevatorski, October, 1971, Arizona Department of Mineral Resources

Calderas and Their Origin by Howel Williams, 1941

Problems of Hydrothermal Ore Deposition (edited by Zdenek Pouba and Miroslav Stempok) 1970

Landslides of Utah by John F. Shroder, Jr.; Utah Geological & Mineralogical Survey Bulletin 90, September, 1971

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

THESIS

Geology of the Southern San Mateo Mountains, Socorro and Sierra Counties, New Mexico, by Steven Eugene Farkas (PhD Dissertation), 1969

The Partition of Trace Elements Among Coexisting Minerals in Some Laramide Intrusive Rocks in Arizona, by Frederick Turner Graybeal (PhD Dissertation), 1972

USGS

Professional Papers

651 - Geology of Northern Nellis Air Force Base Bombing and Gunnery Range, Nye County, Nevada, by E.B. Ekren, R.E. Anderson, C.L. Rogers, & D.C. Noble, 1971

658-D - Mesozoic Stratigraphy of the Sierrita Mountains, Pima County, Arizona by John R. Cooper, 1971

684-B - Plutonic Rocks of the Klamath Mountains, California and Oregon, by Preston E. Hotz, 1971

NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES

Circular

119 - Bibliography of Geophysics for New Mexico Through 1970, by D.J. Cash, 1971

Bulletin

97 - Geology of San Diego Mountain Area, Dona Ana County, New Mexico, by William R. Seager, John W. Hawley, Russell E. Clemons, 1971

Map

Mining Districts and Mineral Deposits of New Mexico (Exclusive of Oil and Gas) compiled by Charles A. Mardirosian

MISCELLANEOUS

Geophysical Exploration for Water by Electrical Resistivity, by Sherwin F. Kelly

9th National Convention of the AIMM&G, 1971 - Sonora, Mexico

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

USGS

Maps

I-665 - Geologic Map of the Owyhee Quadrangle, Nevada-Idaho by R.R. Coats, 1971

I-667 - Geologic Map of the Swales Mountain Quadrangle and Part of the Adobe Summit Quadrangle, Elko County, Nevada, by J.G. Evans & K.B. Ketner, 1971

GQ-960 - Geologic Map of the Mt. Barcroft Quad., California-Nevada, by K.B. Krauskopf

→ GP-757 - Aeromagnetic Map of the Gold Butte-Chloride Area, Arizona-Nevada, 1972

→ GP-758 - Aeromagnetic Map of the Bradshaw Mountains and Vicinity, Yavapai County, Arizona, 1972

US BUREAU OF MINES

Bulletin 650 - Mineral Facts and Problems, 1970 Edition

GEOLOGICAL SURVEY OF CANADA

Paper 71-43 - Mercury in Permafrost Regions: Occurrence and Distribution in the Kaminak Lake Area, Northwest Territories by E.H.W. Hornbrook and I.R. Jonasson, 1971

UTAH GEOLOGICAL AND MINERALOGICAL SURVEY

Bulletin 91 - Index to the Salt Lake Mining Review 1899-1928, compiled by Cecil W. Warren, August 1971

WASHINGTON DIVISION OF MINES AND GEOLOGY

Bulletin 58 - Chemical and Physical Controls for Base Metal Deposition in the Cascade Range of Washington, by Alan Robert Grant, 1969

Bulletin 61 - Lead-Zinc Deposits in the Kootenay Arc, Northeastern Washington and Adjacent British Columbia (Society of Economic Geologists, 1970 Northwest Field Conference Guidebook), 1970

Reprint 10 - Washington Mineral Deposits by Marshall T. Huntting, 1966

MISCELLANEOUS

Recent Advances of Quantitative Mineralogy in Exploration - A Short Course sponsored by Western Connecticut State College in cooperation with Newmont Exploration Ltd.

A Guide to Information Sources in Mining, Minerals, and Geosciences by Interscience Publishers, 1965

9th National Convention of the AIMM&G, 1971 - Sonora, Mexico (PAPERS)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

USGS

Professional Papers

665 - Geology and Mineral Deposits, East Flank of the Elkhorn Mountains, Broadwater County, Montana, by M.R. Klepper, E.T. Ruppel, V.L. Freeman, and R.A. Weeks, 1971.

687 - Cataclastic Rocks by Michael W. Higgins, 1971.

750-D - Geological Survey Research, 1971, Chapter D, 1971

658-E - Mesozoic Stratigraphy of the Patagonia Mountains and Adjoining Areas, Santa Cruz County, Arizona by Frank S. Simons, 1972

Maps

Miscellaneous Field Studies Maps

MF-312 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Mercury and Arsenic, Golconda and Iron Point Quadrangles, Humboldt County, Nevada, by R.L. Erickson and S.P. Marsh, 1971

MF-313 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Antimony and Tungsten, Golconda and Iron Point Quadrangles, Humboldt County, Nevada, by R.L. Erickson and S.P. Marsh, 1971

MF-314 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Gold and Copper, Golconda and Iron Point Quadrangles, Humboldt County, Nevada, by E.L. Erickson and S.P. Marsh, 1971

MF-315 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Lead and Silver, Golconda and Iron Point Quadrangles, Humboldt County, Nevada, by R.L. Erickson and S.P. Marsh, 1971

Geologic Quadrangle Maps

GQ-1021 - Geologic Map of the Sonora Quadrangle, Pinal and Gila Counties, Arizona, by H.R. Cornwall, N.G. Banks and C.H. Phillips, 1971

ARIZONA

Arizona Geological Survey - Water Resources

Bulletin 1 - Annual Report on Ground Water in Arizona, Spring 1970 to Spring 1971, prepared by H.M. Babcock, 1972

Department of Mineral Resources

Molybdenum, Statistics for 1970 - 1971, Arizona, The United States and the World, December, 1971

Arizona Geological Society Digest

Vol. IX, 1971

NEW MEXICO

State of New Mexico, State Engineer Office -

Technical Reports

12 - Ground-Water Conditions and Geology of Sunshine Valley and Western Taos County, New Mexico by I.J. Winograd, 1959

THESIS

Geology and Mineralogy of Altered Zones in the Red River Area, New Mexico by Marvin W. Ratcliff, 1962, M.Sc. Thesis

MISCELLANEOUS

Data Preparation Manual for the Conversion of Map Cataloging Records to Machine-Readable Form, prepared by David K. Carrington and Elizabeth U. Mangan, 1971

Equilibrium Diagrams for Minerals at Low Temperature and Pressure - compiled and edited by The Geological Club of Harvard - Editor: Harrison H. Schmitt, 1962

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USGS

Bulletins

1290 - Geology of Lode Gold Districts in the Klamath Mountains, California and Oregon, by Preston E. Hotz, 1971

1314-D - Distribution of Minor Elements in Biotite Samples from Felsic Intrusive Rocks as a Tool for Correlation, by Tom G. Lovering, 1972

1318 - Geochemistry and Geology of Deep Drill Holes at Iron Canyon, Lander County, Nevada, by Ted G. Theodore and Ralph J. Roberts, 1971

1344 - Geochemical Distribution of Some Metals in the Moenkopi Formation and Related Strata, Colorado Plateau Region, by Robert A. Cadigan, 1971

Professional Papers

718 - Recognition on Space Photographs of Structural Elements of Baja California, by Warren Hamilton, 1971

750-B - Geological Survey Research 1971, Chapter B, 1971

U.S. BUREAU OF MINES

Special Publication - List of Bureau of Mines Publications and Articles January 1 to December 31, 1970

GEOLOGICAL SOCIETY OF AMERICA

Memoir 99 - Geology of the Alaska Peninsula - Island Arc and Continental Margin, Parts 1,2,3 by C.A. Burk, 1965

USGS

Maps

GQ-973 - Geologic Map of the Show Low Quadrangle, Navajo County, Arizona by E.J. McKay, 1972

GQ-992 - Geologic Map of the Dugway Proving Ground SW Quad., Tooele County, Utah, by Mortimer H. Staatz, 1972

MF-303 - Geologic Map of the Southeast Quarter of the Priest Valley Quadrangle, Fresno and Monterey Counties, California, by Everett E. Richardson, Russell G. Wayland, and Merritt B. Smith, 1972

THESIS

Thermal Gradients and Sulfide Oxidation in the Silver Bell Mining District, Pima County, Arizona, by Robert Corbett Edmiston, 1971 (M.Sc. Thesis)

ARIZONA

Department of Mineral Resources

Gold and Silver - Statistics for 1970, 1971 (Preliminary), and Other Years,

ARIZONA DEPARTMENT OF MINERAL RESOURCES (con't)

Arizona, the United States and the World, March, 1972

Lead and Zinc Industry, Arizona, the United States and the World,
Statistics for 1970, 1971 and Other Years, April, 1972

NEW MEXICO (New Mexico Bureau of Mines and Mineral Resources)

Circulars

118 - Selected Papers from 1970 Uranium Symposium at Socorro, New Mexico, 1971

Target Exploration Report

E-1 - Stratiform Copper Mineralization in the Nacimiento Region, New Mexico, 1971

Maps

24 - Geologic Map of the Glorieta Quadrangle, New Mexico, 1972

25 - Geologic Map of Cuba Quadrangle, New Mexico, 1972

Guidebook

1970 Guidebook of the Tyrone - Big Hatchet Mountains - Florida Mountains Region, New Mexico Geological Society, Twenty-First Annual Guidebook, 1970

MISCELLANEOUS

Exploration Geochemistry, Bibliography - Period January 1965 to December 1971, Special Volume No. 1 - The Association of Exploration Geochemists, Compiled by H.E. Hawkes

Tables for Microscopic Identification of Ore Minerals, by W. Uytendogaardt & E.A.J. Burke, 1971 (Filed in G. Stathis' Room)

Rapid Excavation - Problems and Progress (Proceedings of the Tunnel and Shaft Conference, Minneapolis, May 1968) Donald H. Yardley, Editor

Fluid Inclusions as a Guide to Porphyry-Type Mineralization, by Thomas Nash (presented at 101st AIME Annual Meeting, February 20-24, 1972)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

USGS

Professional Papers

521-E - Stratigraphy of the Cretaceous Rocks and the Tertiary Ojo Alamo Sandstone, Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah, by R.B. O'Sullivan, C.A. Repenning, E.C. Beaumont, and H.G. Page, 1972

727 - Distribution of Gold in Igneous Rocks, by David Gottfried, Jack J. Rowe, and Robert I. Tilling, 1972

750-A - Geological Survey Research 1971, Chapter A, 1971

Bulletins

1354-C - Big Sandy Formation Near Wikieup, Mohave County, Arizona, by Richard A. Sheppard and Arthur J. Gude, 3rd, 1972

Maps

I-673 - Geologic Map and Cross Sections of the Gallinas Creek Area, Sangre de Cristo Mountains, San Miguel County, New Mexico, by Elmer H. Baltz, 1972

GQ-942 - Geologic Map of the Spruce Mountain Quadrangle, Elko County, Nevada, by Roger A. Hope, 1972

THESIS

Crystal Chemistry of Chlorite, PhD Thesis by Olof Roger Eckstrand, April, 1963

The Relationship of Laramide Stocks to Regional Structure in Central Arizona by John C. Balla (PhD Dissertation), 1972

NEVADA BUREAU OF MINES AND GEOLOGY

Map 40 - Land Status Map of Nevada (Second Edition), 1972

GEOLOGICAL SOCIETY OF AMERICA

Memoir 131 - Annotated Bibliographies of Mineral Deposits in the Western Hemisphere by John D. Ridge, 1972

ARIZONA

Updated Arizona Thesis Map (in Drafting Room)

MISCELLANEOUS

4th International Geochemical Exploration Symposium, Abstracts,
April, 1972

Asbestos Fundamentals, by Hans Berger, 1963

Copper Costs and Prices: 1870-1957, by Orris C. Herfindahl

Guidebook for Field Conference, Michigan Copper District, Sept. 30 -
Oct. 2, 1971

Proceedings of the IMA-IAGOD Meetings 1970, IMA Volume - Special Paper
No. 1 - Mineralogical Society of Japan 1971 - Papers and Proceedings of
the Seventh General Meeting, Tokyo-Kyoto, 27 August - 25 September,
1970 (International Mineralogical Association)

International Association of the Genesis of Ore Deposits - Proceedings
of the IMA-IAGOD Meetings 1970, Special Issue No. 2, 1971 - The
Society of Mining Geologists of Japan (Geochemistry and Crystallography
of Sulphide Minerals in Hydrothermal Deposits) Joint Symposium Volume

International Association of the Genesis of Ore Deposits - Proceedings
of the IMA-IAGOD Meetings 1970, IAGOD Volume, Special Issue No. 3,
1971, Papers and Proceedings of the Tokyo-Kyoto Meetings - 27 August -
2 September 1971, Society of Mining Geologists of Japan

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

ARIZONA

Preliminary Tabulation of Stratigraphically Significant Water Wells in Basin and Range Province of Arizona, by Edward A. Koester, June, 1972 (Arizona Oil and Gas Conservation Commission)

NEW MEXICO

Circular

121 - Geochemical Background Values in Iron-Bearing Rocks of Rio Arriba County, New Mexico, by Donald F. McLeroy, 1972

Target Exploration Report

E-3 - Winkler Anticline Fluorspar, Hidalgo County, New Mexico, 1972, by W.N. McAnulty, Sr.

THESIS

The Geology and Ore Deposits of a Portion of the Harshaw District, Santa Cruz County, Arizona, by Richard Charles Moores, II (M.Sc. Thesis), 1972

MISCELLANEOUS

Determination Tables for Ore Microscopy, by C. Schouten, 1962 (FILED IN G. STATHIS' ROOM)

Engineering Economy and Investment Decision Methods by Franklin J. Stermole, April 1971, Revision No. 1, December 1971 (Colorado School of Mines, Golden, Colorado)

Geochemistry, by Kalervo Rankama and Th. G. Sahama (FILED IN GEORGE STATHIS' ROOM)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:USGSBulletins

1332-C - Tertiary Mineralization and Hydrothermal Alteration in the Stikingwater Mining Region, Park County, Wyoming, by Frederick S. Fisher, 1972

1341 - Pre-Cenozoic Geology of the South Half of the Auburn 15-Minute Quadrangle, California, by F.H. Olmsted, 1971

1354-F - The Base of the Upper Keweenaw, Michigan and Wisconsin, by Walter S. White, 1972

Maps

Open File Map - Preliminary Geologic Map of the Happy Valley Quadrangle, Cochise County, Arizona, by Harald Drewes, 1972

Open File Map - Geologic Map of the Winkelman Quadrangle, Arizona

Open File Map - Geologic Map of the Crozier Peak Quadrangle, Arizona

Open File Map - Geologic Map of the Black Mountain Quadrangle, Arizona

Open File Map - Geologic Map of the Putnam Wash Quadrangle, Arizona

Open File Map 99 - Map Showing Soil Sample Sites, Eureka Mining District, Pinto Summit Quadrangle, Nevada, 1972

Tectonic Map of North America, 1969 (FILED IN DRAFTING ROOM)

I-688 - Generalized Tectonic Map of North America, 1972 (FILED IN DRAFTING ROOM)

I-672 - Geologic Map of the Yost Quadrangle, Box Elder County, Utah, and Cassia County, Idaho, by Robert R. Compton, 1972

MF-324 - Preliminary Geologic Map of the Schroeder Mountain Quadrangle, Nevada, 1972 by James G. Evans and Leland D. Cress

MF-325 - Preliminary Geologic Map of the Rodeo Creek NE Quadrangle, Nevada, 1972, by James G. Evans

MF-326 - Preliminary Geologic Map of the Welches Canyon Quadrangle, Nevada, 1972, by James G. Evans

MF-340 - Preliminary Map Showing Global Distribution of Alpine-Type Ultramafic Rocks and Blueschists, 1972, by William P. Irwin and Robert G. Coleman

MF-341 - Preliminary Geologic Map of Jordan Meadow Quadrangle, Nevada-Oregon, 1972, by Robert C. Greene

MF-345 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Molybdenum and Zinc, Golconda and Iron Point Quadrangles, Humboldt County, Nevada, 1972, by R.L. Erickson and S.P. Marsh

THESIS

The Redstone Bedded Copper Deposit and A Discussion on the Origin of Red Bed Copper Deposits, by James A. Coates (M.Sc. Thesis), September, 1964

Compilation and Preliminary Interpretation of the Arizona Aeromagnetic Map by William August Sauck, PhD Thesis, 1972

ARIZONA

USGS Open File Report - Structural Reconnaissance of the Red Rock Quadrangle, Arizona, by John H. Feth, February 1951

NEW MEXICO

Target Exploration Report

E-4 - Zinc-Lead-Copper Trace Contents in Tres Hermanas Stock, Luna County, New Mexico, by P. Doraibabu and Paul Dean Proctor, 1972

MISCELLANEOUS

Survey of Free World Increases in Copper Mine, Smelter and Refinery Capacities, 1971-1977 - Prepared on behalf of the International Wrought Copper Council by the World Bureau of Metal Statistics, April 1972 (P.7251)

American Bureau of Metal Statistics, Year Book, Fifty-First Annual Issue - 1971 issued June 1972

Geologic Atlas of the Rocky Mountain Region by Rocky Mountain Association of Geologists, Denver, Colorado, 1972 (FILED IN DRAFTING ROOM)



AMERICAN SMELTING AND REFINING COMPANY
SOUTHWESTERN EXPLORATION DIVISION
P. O. BOX 5747, TUCSON, ARIZONA 85703

1150 NORTH 7TH AVENUE
TELEPHONE 602-792-3010

September 8, 1972

AIRMAIL

Rhodesian Selection Trust, Ltd.
Livingston House
48 Jameson Central Ave.
Salisbury, C.4, Southern Rhodesia

Gentlemen:

We are interested in obtaining 3 copies of the book "Geology of the Northern Rhodesian Copperbelt" by Mendlesohn. We have heard that this out-of-print book has been, or will be, reprinted.

If so, could you possibly tell us where to write to purchase the book. Thank you.

Sincerely yours,

A handwritten signature in cursive script that reads "George J. Stathis".

George J. Stathis
Geologist

GJS:lad

cc: JDSell ✓

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

USGS

Circulars

648 - Reports and Maps of the Geological Survey Released Only in the Open Files, 1971, by Betsy A. Weld, Kathleen T. Iseri, and George W. Brett

BUREAU OF MINES

Information Circulars

8544 - Summary of Mining and Petroleum Laws of the World (in five parts)
3. Near East and South Asia, 1972

NEW MEXICO

Target Exploration Report

E-5 - Computer Program for Monte Carlo Economic Evaluation of a Mineral Deposit by Ronald J. Roman and George W. Becker, 1972

NEVADA BUREAU OF MINES AND GEOLOGY

Bulletin

77 - Geology and Mineral Deposits of Southern Nye County, Nevada, by Henry R. Cornwall

THESES

Characteristics of Favorable Cappings from Several Southwestern Porphyry Copper Deposits by James Davy Loghry, M.Sc. Thesis, 1972
(figures with limonite colors are in library copy)

MISCELLANEOUS

Canadian Mines Handbook 1972-1973

Ore Petrology by R.L. Stanton, 1972

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

USGS

Professional Papers

800-C - Geological Survey Research, 1972, Chapter C

Water Supply Papers

1939-C - Electrical-Analog Analysis of the Hydrologic System, Tucson Basin, Southeastern Arizona, by T.W. Anderson, 1972

Open File Report

Mineral Resources of the Gila Primitive Area and Gila Wilderness, Catron and Grant Counties, New Mexico, by Ratté, Gaskill, Eaton, Peterson, Stotelmeyer, and Meeves, 1972

Bulletins

1298 - Geology of the Northern Franklin Mountains, Texas and New Mexico by R.L. Harbour, 1972

Maps

GP-838 - Aeromagnetic Map of the Morenci-Monticello Area, Southeastern Arizona and Southwestern New Mexico, 1972

GQ-987 - Geologic Map of the Huntington Lake Quad., Central Sierra Nevada, California, by Bateman & Wones, 1972

GQ-993 - Geologic Map of the Whitmore Quad., California, by G.A. Macdonald and P.A. Lydon, 1972

I-700 - Geologic Map of the Lunar Crater Quad., Nye County, Nevada, by R.P. Snyder, E.B. Ekren, and G.L. Dixon, 1972

MF-337 - Preliminary Geologic Map of the Wildcat Peak Quad. and the Western Part of the Dianas Punch Bowl Quad., Nevada, by E.H. McKee, 1972

THESES

Structural Geology Along the Southeastern Margin of the Tucson Basin, Pima County, Arizona (PhD Thesis) 1971, by Leavett Clark Arnold

The Geology of the Atlas Mine Area, Pima County, Arizona, by Larry D. Agenbroad, (M.Sc. Thesis), 1962

Geology of the Three R Mine, Palmetto Mining District, Santa Cruz County, Arizona (M.Sc. Thesis), 1963, by Paul A. Handverger

A Structural Investigation of the Northern Tortilla Mountains, Pinal County, Arizona (PhD Thesis), 1971, by Eberhard Adalbert Schmidt

MISCELLANEOUS

Plate Tectonics (Selected Papers from the Journal of Geophysical Research), 1972

Arizona Place Names by Will C. Barnes (Univ. of Arizona Press) 1970

1973

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

USGS

Bulletins

1278-C - Distribution and Abundance of Gold and Other Selected Elements in Altered Bedrock, Empire Mining District, Clear Creek County, Colorado by Maurice A. Chaffee, 1972

1371-A - Mineral Resources of the High Sierra Primitive Area, California, by James G. Moore and Lawrence Y. Marks, 1972 (With a Section on Aeromagnetic Interpretation by H.W. Oliver) ----- (Studies Related to Wilderness - Primitive Areas)

1345 - Precambrian Rocks in the Cordes Area, Yavapai County, Arizona, by C.A. Anderson, 1972

Professional Papers

746 - Cenozoic Rocks of the Santa Rita Mountains, Southeast of Tucson, Arizona, by Harald Drewes, 1972

ARIZONA

University of Arizona Bulletins

185 - Arizona Well Information by H. Wesley Peirce and James R. Scurlock, 1972

NEW MEXICO

Target Exploration Report

E-7 - Fluorspar in Silicified Rocks in New Mexico by W.N. McAnulty, Sr., 1972

TEXAS

Guidebook - Geology of the Big Bend Area, Texas, 1972 (Reprint of 1965 Publication)

MISCELLANEOUS

Carbonate Rocks I: Classifications - Dolomite-Dolomitization (Selected Papers Reprinted from AAPG Bulletin) AAPG Reprint Series No. 4, 1972

First Annual Report of the Secretary of the Interior Under the Mining and Minerals Policy Act of 1970 (P.L. 91-631) and Appendices (P.L. 91-631) March 1972 (2 parts) (FILED IN R.B. CRIST'S ROOM)

24th International Geological Congress - Section Reports, 1972

Abstracts - Résumés
Section 2 - Petrology
Section 3 - Tectonics

Section 4 - Mineral Deposits
Section 10 - Geochemistry
Section 14 - Mineralogy

Fluid Inclusion Research - Proceedings of COFFI, 1969

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:USGSBulletins

1314-F - Trace-Element Contents of Some Plutonic Rocks of the Sierra Nevada Batholith by F.C.W. Dodge, 1972

1372-B - Stratigraphic Nomenclature of Cambrian and Lower Ordovician Rocks of Easternmost Southern Arizona and Adjacent Westernmost New Mexico by Philip T. Hayes, 1972

Professional Papers

714 - Mineral Resource Evaluation of the U.S. Forest Service Sierra Demonstration Project Area, Sierra National Forest, California by J.P. Lockwood, P.C. Bateman and J.S. Sullivan, 1972

Water Supply Papers

1939-D - Chemical Quality of the Water in the Tucson Basin, Arizona by R.L. Laney, 1972

Maps

GP-880 - Aeromagnetic Map of Colorado by Isidore Zietz and John R. Kirby, Jr., 1972

MF-398 - Maps Showing Lead Distribution in the Winston and Chise Quadrangles and in the West Part of the Priest Tank Quadrangle, Sierra County, New Mexico

MF-399 - Maps Showing Molybdenum Distribution in the Winston and Chise Quadrangles and in the West Part of the Priest Tank Quadrangle, Sierra County, New Mexico

MF-400 - Maps Showing Silver and Gold Distribution in the Winston and Chise Quadrangles and in the West Part of the Priest Tank Quadrangle, Sierra County, New Mexico

MF-401 - Maps Showing Tungsten Distribution in the Winston and Chise Quadrangles and in the West Part of the Priest Tank Quadrangle, Sierra County, New Mexico

MF-402 - Maps Showing Fluorite Distribution in the Winston and Chise Quadrangles and in the West Part of the Priest Tank Quadrangle, Sierra County, New Mexico

MISCELLANEOUS

Preprints - May 24-27, 1972, Tokyo, Japan, Joint Meetings of the Mining and Metallurgical Institute of Japan & the AIME

Minerals Yearbook, Vol. 1, Metals, Minerals & Fuels, 1970

Directory of Geoscience Departments (United States and Canada) by American Geological Institute, 1972

Glossary of Geology (AGI) 1972 (in Karen Earley's Room)

Geochemistry in Mineral Exploration by H.E. Hawkes and J.S. Webb, 1962

March 6, 1973

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

USGS

Bulletins

1336 - Precambrian Geology of the Northern Bradshaw Mountains, Yavapai County, Arizona by C.A. Anderson and P.M. Blacet, 1972

1355 - Placer Gold Deposits of Arizona by Maureen G. Johnson, 1972

Professional Papers

724-A - Huntington Lake Quadrangle, Central Sierra Nevada, California - Analytic Data by Paul C. Bateman and David R. Wones, 1972

Journal of Research

January-February 1973 - Volume 1, Number 1

ARIZONA

Field Trip to the Porphyry Copper and Massive Sulphide Deposits of Arizona January 2 to January 9, 1973 (University of Western Ontario)

MISCELLANEOUS

Uranium Prospecting Handbook (The Institution of Mining & Metallurgy 1972 - London)

A Bibliography of Earth Science Bibliographies of the United States of America by Harriet K. Long (1971)

Bibliography of Theses in Geology (1965-1966) by Dederick C. Ward & T.C. O'Callaghan, 1969

THESIS

Geology of the Pima Mine, Pima County, Arizona by Marshall David Himes (M.Sc. Thesis) 1972

AIME PREPRINTS

- 73-S-20 Search Systems: A Better Way to Find Porphyry Copper and Molybdenum Deposits by John T. Awald (AIME Annual Meeting, Chicago, Illinois February 25 - March 1, 1973)
- 73-I-2 Regional Characteristics of Porphyry Copper Deposits of South America by V.F. Hollister (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-H-6 Fluorspar, The Domestic Supply Situation by William I. Weisman, C.W. Tandy, Ozark-Mahoning Company (AIME Annual Meeting, Chicago, Illinois 2/25 - 3/1/73)
- 73-S-10 Alpine-Mediterranean Copper Deposits in Relation to Plate Tectonics by William C. Peters (AIME Annual Meeting, Chicago, Illinois 2/25 - 3/1/73)
- 73-S-11 Sulfur Isotopes, Iron Content of Sphalerites, and Ore Textures in the Anvil Ore Body, Canada, by F.A. Campbell and V.G. Ethier (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-I-25 The Economic Importance of Transverse Structural Trends in the Northern Cordillera as Compared to Those Occurring in Parts of the East European Tethys by Jacques B. Wertz (AIME Annual Meeting, Chicago, Illinois 2/25 - 3/1/73)
- 73-S-33 Trends of Corporate Mineral Exploration Expenditures 1968-1971 by Joseph G. Wargo (AIME Annual Meeting, Chicago, Illinois - 2/25 - 3/1/73)
- 73-S-37 Tectonic Fingerprint in Phillipine Porphyry Deposits by John A. Wolfe (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-AU-43 Undercut and Fill Mining at Magma Copper Company's Superior Division by Joseph W. Murray (AIME Annual Meeting, Chicago, Illinois - 2/25 - 3/1/73)
- 73-I-48 Obtaining Geological Information from Deep Mineral Exploration Targets Utilizing Oil Field Rotary Drill Rigs by Theodore H. Eyde (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-S-53 The Syngenetic Massive Sulphide Deposits by G.W. Mannard (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-S-65 Geological Environment and Characteristics of Some Porphyry Copper Deposits in the Southwestern Pacific by Spencer R. Titley (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-S-69 Porphyry Copper-Molybdenum Deposits of the Pacific Northwest by Cyrus W. Field, Michael B. Jones, Wayne R. Bruce (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-H-75 Metallurgical Fluorspar, The Mexican Scene by Marcus A. Hyre, (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-I-77 The Preparation of Environmental Impact Statements for Industrial Projects by John M. Heckard (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-B-87 Learning the Lessons of the Environmental Era by Robert N. Pratt (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)

AIME PREPRINTS

- 73-L-89 Mercury Vapour Analysis in Exploration by Jon G. Baird and John C. Robbins,
(AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-H-90 Financing International Mineral Development Projects by Wallace W. Wilson
(AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-S-93 Volcanic Exhalations and Ore Deposition on the Sea Floor by John Drew
Ridge (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)
- 73-S-12 Regional Characteristics of Southwestern North America Porphyry Copper
Deposits by J. David Lowell (AIME Annual Meeting, Chicago, Illinois, 2/25 - 3/1/73)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

USGS

Professional Papers

710 - Jasperoid in the United States -- Its Characteristics, Origin, and Economic Significance by T.G. Lovering, 1972

726-C - Gravity and Magnetic Features as Related to Geology in the Leadville 30-Minute Quadrangle, Colorado, by Ogden Tweto and J.E. Case, 1972

Journal of Research

March-April 1973 - Volume 1, Number 2

May-June 1973 - Volume 1, Number 3

BUREAU OF MINES

Special Publication - List of Bureau of Mines Publications and Articles, January 1 to December 31, 1971

THESIS

The Geology of the Volcanic Sequence in the Horse Mesa Area, Arizona by Gary Bruce Malone (MSc Thesis) September 1972

MISCELLANEOUS

Optische Bestimmung der Gesteinsbildenden Minerale by Profs. Bambauer, Taborsky, and Trochim (Germany) 1971

Modern and Ancient Geosynclinal Sedimentation (A Conference sponsored by the Department of Geology and Geophysics of the University of Wisconsin - Madison and the National Science Foundation in recognition of Marshall Kay - November 10-11-1972)

Selected Papers from the 4th International Geochemical Exploration Symposium, London, April 1972

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARYUSGSBulletins

1314-G - Cadmium in Plants, by H.T. Shacklette, 1972

1348 - Placer Gold Deposits of New Mexico, by M.G. Johnson, 1972

1364 - Arsenic as an Indicator Element for Mineralized Volcanic Pipes in the Red Mountains Area, Western San Juan Mountains, Colorado, by Wilbur S. Burbank, Robert G. Luedke and Frederick N. Ward, 1972

1365 - Geochemical Reconnaissance of the Santa Rita Mountains, Southeast of Tucson, Arizona by Harald Drewes, 1973

Water Supply Papers

1988 - Definitions of Selected Ground Water Terms - Revisions and Conceptual Refinements, 1972

Maps

MF-472 - Geochemical Map Showing Distribution and Abundance of Arsenic in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-473 - Geochemical Map Showing Distribution and Abundance of Bismuth in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-474 - Geochemical Map Showing Distribution and Abundance of Copper in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-475 - Geochemical Map Showing Distribution and Abundance of Gold in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-476 - Geochemical Map Showing Distribution and Abundance of Lead in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-477 - Geochemical Map Showing Distribution and Abundance of Mercury in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-478 - Geochemical Map Showing Distribution and Abundance of Molybdenum in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

MF-479 - Geochemical Map Showing Distribution and Abundance of Silver in Silicified Rocks, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, by R.P. Ashley & W.J. Keith, 1973

NEVADA

Nevada Bureau of Mines Bulletin

78 - Geology and Mineral Deposits of Esmeralda County, Nevada, by J.P. Albers and J.H. Stewart, 1972

Nevada Bureau of Mines Map

45 - Reconnaissance Geologic Map of the McCullough Range and Adjacent Areas, Clark County, Nevada, by Edward C. Bingler and Harold F. Bonham, Jr., 1973

NEW MEXICO

Circular

123 - Mineral Deposits of Nogal and Bonito Mining Districts, New Mexico, by Tommy B. Thompson, 1973

Bulletin

94 - Geology and Ore Deposits of Eagle Nest Area, New Mexico, by K.F. Clark and C.B. Read, 1972

Bureau of Mines Map

26 - Geologic Map and Sections of San Pablo Quadrangle, New Mexico, 1973

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARYUSGSProfessional Papers

440-JJ - Data of Geochemistry, Sixth Edition. Chapter JJ. Composition of Fluid Inclusions, by Edwin Roedder, 1972

800-A - Geological Survey Research, 1972, Chapter A, 1972

Bulletins

1350 - Lexicon of Geologic Names of the United States for 1961-1967, by Grace C. Keroher, 1970

1356 - Placer Gold Deposits of Nevada, by Maureen G. Johnson, 1973

Journal of Research

July - August, 1973, Volume 1, Number 4

Maps

GQ-997 - Geologic Map of the Mount Union Quadrangle, Yavapai County, Arizona, by C.A. Anderson and P.M. Blacet, 1972

MF-484 - Preliminary Geologic Map of Solano County and Parts of Napa, Contra Costa, Marin, and Yolo Counties, California, 1973

MF-485 - Preliminary Geologic Map of the Austin Quadrangle, Lander County, Nevada, 1973

I-728 - Geologic Map of the Pritchards Station Quadrangle, Nye County, Nevada, by G.L. Dixon, D.C. Hedlund, and E.B. Ekren, 1972

U.S. BUREAU OF MINESInformation Circular

8569 - The Economics of Byproduct Metals (In Two Parts) - 1. Copper System, by Alfred Petrick, Mr., Harold J. Bennett, Karl E. Starch, and Robert C. Weisner, 1973

8570 - The Economics of Byproduct Metals (In Two Parts) - 2. Lead, Zinc, Uranium, Rare-Earth, Iron, Aluminum, Titanium, and Lithium Systems, by Alfred Petrick, Jr., Harold J. Bennett, Karl E. Starch, and Robert C. Weisner, 1973

ARIZONA

Arizona Geological Survey Water Resources Report - Bulletin 5 - Annual Report on Ground Water in Arizona, Spring 1971 to Spring 1972, prepared by H.M. Babcock, 1973

NEW MEXICO

Bulletin 99 - Bibliography of New Mexico Geology and Mineral Technology, 1966 through 1970, by Marsha A. Koehn and Henry H. Koehn, 1973

Circular 125 - Structural Geology of Northern Part of Animas Mountains, Hidalgo County, New Mexico, by J.M. Soule, 1972

NEW MEXICO (continued)

Ore Deposits and Rock Alteration of the Santa Rita Quadrangle, Grant County, New Mexico, by William R. Jones, et al, February 1973 (National Technical Information Service, U.S. Department of Commerce)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

USGS

Professional Papers

→ 820 - United States Mineral Resources by Donald A. Brobst and Walden P. Pratt, Editors, 1973

Maps

MF-496 - Maps Showing Barium Distribution in the Winston and Chise Quads. and in the West Part of the Priest Tank Quad., Sierra County, New Mexico

MF-497 - Maps Showing Beryllium Distribution in the Winston and Chise Quads. and in the West Part of the Priest Tank Quad., Sierra County, New Mexico

MF-498 - Maps Showing Copper Distribution in the Winston and Chise Quads. and in the West Part of the Priest Tank Quad., Sierra County, New Mexico

MF-499 - Maps Showing Tin Distribution in the Winston and Chise Quads. and in the West Part of the Priest Tank Quad., Sierra County, New Mexico

MF-500 - Maps Showing Zinc and Antimony Distribution in the Winston and Chise Quads. and in the West Part of the Priest Tank Quad., Sierra County, New Mexico

MF-506 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Lead, Silver, Gold, and Copper, Goldrun Creek Quad., Humboldt County, Nevada

MF-507 - Geochemical, Aeromagnetic, and Generalized Geologic Maps Showing Distribution and Abundance of Mercury, Arsenic, Antimony, and Tungsten, Goldrun Creek Quad., Humboldt County, Nevada

MF-508 - Geochemical, Aeromagnetic, and Generalized Maps Showing Distribution and Abundance of Moly and Zinc, Goldrun Creek Quad., Humboldt County, Nevada

→ GQ-996 - Geologic Map of the Mayer Quad., Yavapai County, Arizona, by C.A. Anderson and P.M. Blacet, 1972

BUREAU OF MINES

Technical Reports

69 - Simulated In Situ Leaching of Copper from a Porphyry Ore, by T.G. Carnahan and H.J. Heinen, May 1973

70 - Predicting Probable Roof Fall Areas in Advance of Mining by Geological Analysis by W.K. Overbey, Jr., C.A. Komar, and J. Pasini III, May 1973

Information Circulars

8527 - Control of Sulfur Oxide Emissions in Copper, Lead, and Zinc Smelting

NEVADA BUREAU OF MINES

Bulletins

80 - Geology of the Granite Complex of the Eldorado, Newberry, and Northern Dead Mountains, Clark County, Nevada by Alexis Volborth, 1973

Maps

46 - Industrial Mineral Deposits of Nevada by Keith G. Papke, 1973

THESIS

Geology, Alteration, and Mineralization of the Alum Creek Area, San Juan Volcanic Field, Colorado, by Wm. S. Calkin (PhD Thesis) 1967

MISCELLANEOUS

The Geology of the Northern Rhodesian Copperbelt (edited by F. Mendelsohn) 1961 (reprinted 1972)

Ore Deposits as Related to Structural Features (edited by W.H. Newhouse) 1969

An Investigation of Volcanic Depressions. Part 3: Maars, Tuff-Rings, Tuff-Cones, and Diatremes Progress Report, V. Lorenz, et al (Oregon Univ.) April 1970 (A progress report of work carried out under NASA Research Grant)

Ores in Sediments (edited by G.C. Amstutz and A.J. Bernard) - International Union of Geological Sciences, Series A, Number 3 (VIII. International Sedimentological Congress, Heidelberg, August 31 - September 3, 1971)



AMERICAN SMELTING AND REFINING COMPANY
EXPLORATION DEPARTMENT
SOUTHWESTERN UNITED STATES DIVISION
P. O. BOX 5795, TUCSON, ARIZONA 85703

September 28, 1973

1150 NORTH 7TH AVENUE
TELEPHONE 602-792-3010

T.J. Bottrill, Esquire
The International Nickel Co. of Canada Ltd.
Exploration Division
Toronto Dominion Centre
Toronto 111, Ontario
CANADA

Dear Sir:

We have yet to receive a reply to the letter of May 26, 1972 concerning the availability of the Leicester Department of Geology Special Publication #1 which was in the process of being reprinted.

According to a letter we received last year from the Manager of the Leicester University Science Bookshop, you were the North American Agent for their publications.

Very truly yours,


George J. Stathis

GJS:kre

cc: J.D. Sell ✓

October 2, 1973

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

USGS

Professional Papers

753 - Geophysical, Geohydrological, and Geochemical Reconnaissance of the Luke Salt Body, Central Arizona by G.P. Eaton, D.L. Peterson, and H.H. Schumann, 1972

Bulletins

1371-B - Mineral Resources of the Salmon-Trinity Alps Primitive Area, California, by Preston E. Hotz, Horace K. Thurber, Lawrence Y. Marks, Robert K. Evans, (with a section on An Aeromagnetic Survey and Interpretation by Andrew Griscom) 1972 --- (Studies Related to Wilderness - Primitive Areas)

Circulars

601-1 - Water Facts and Figures for Planners and Managers by J.H. Feth, 1973

Maps

I-792-A - Map Showing Rock Fractures and Veins in the Tungsten Quadrangle, Boulder, Gilpin, and Jefferson Counties, Colorado by Dolores J. Gable, 1973

MF-490 - Preliminary Geologic Map of Western Traverse Mtns. and Northern Lake Mtns., Salt Lake and Utah Counties, Utah, by William J. Moore, 1973

Open File Reports

Geochemistry of the Altered Area at Goldfield, Nevada, Including Anomalous and Background Values for Gold and Other Metals by R.P. Ashley and W.J. Keith, 1973

Distribution of Gold and Other Ore-Related Elements Near Ore Bodies in the Oxidized Zone at Goldfield, Nevada by R.P. Ashley and J.P. Albers, 1973

NEW MEXICO

Circulars

137 - Computer Program for Monte Carlo Economic Evaluation of a Mineral Deposit by Ronald J. Roman and George W. Becker, 1973

THESIS

A Geologic and Mineralogic Study of the Bethlehem Copper Property at Highland Valley, British Columbia (M.Sc. Thesis) by Allan Deane Wood, 1968

MISCELLANEOUS

Statistics and Data Analysis in Geology by John C. Davis

American Bureau of Metal Statistics, Year Book, Fifty-Second Annual Issue - 1973

Men Who Matched the Mountains by Edwin A. Tucker and George Fitzpatrick, 1973 (The Forest Service in the Southwest)

Statistical Analysis of Geological Data by George S. Koch, Jr. and Richard F. Link, 1971 (2 volumes)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARYUSGSBulletins

1367 - A Disseminated Silver-Lead-Zinc Sulfide Occurrence at Hahns Peak, Routt County, Colorado by E.J. Young and Kenneth Segerstrom, 1973

1374 - Placer Deposits of Alaska by Edward H. Cobb, 1973

1381 - Geochemical Characteristics of Mineralized Breccia Pipes in the Red Mountain District, San Juan Mountains, Colorado by Frederick S. Fisher and Willard P. Leedy, 1973

1382-B - Radioelement and Trace-Element Content of the Ione Formation, Central California by H.A. Wollenberg and F.C.W. Dodge, 1973

Professional Papers

629-B - Igneous Rocks in the Bingham Mining District, Utah by William J. Moore, 1973

712-B - Geohydrology of the Eastern Part of Pahute Mesa, Nevada Test Site, Nye County, Nevada by Richard K. Blankennagel and J.E. Weir, Jr., 1973

726-D - Geophysical Studies in the Yuma Area, Arizona and California by R.E. Mattick, F.H. Olmsted, and A.A.R. Zohdy, 1973

729-A - Geology of Pre-Tertiary Rocks in the Northern Part of Yellowstone National Park, Wyoming by Edward T. Tuppel, 1972

734-A - Harebell Formation (Upper Cretaceous) and Pinyon Conglomerate (Uppermost Cretaceous and Paleocene), Northwestern Wyoming by J.D. Love, 1973

736 - Regional Geophysical Investigations in the Central Colorado Plateau by J.E. Case and H.R. Joesting, 1972

748 - Structural Geology of the Santa Rita Mountains, Southeast of Tucson, Arizona by Harald Drewes, 1972

775 - Petrography of Some Granitic Bodies in the Northern White Mountains, California-Nevada by Dwight F. Crowder and Donald C. Ross, 1973

797 - Petrology of the Welded Tuff of Devine Canyon, Southeastern Oregon by Robert C. Greene, 1973

798-A - Geochemistry and Potassium-Argon Ages of Plutonic Rocks in the Battle Mountain Mining District, Lander County, Nevada by Ted G. Theodore, Miles L. Silberman, and David W. Blake, 1973

Circulars

681 - CRIB - The Mineral Resources Data Bank of the U.S. Geological Survey by James A. Calkins, Olaf Kays, and Eleanor K. Keefer, 1973

Reports of Investigation

7715 - Analysis of the Geometry of Fractures in San Manuel Copper Mine, Arizona by M.A. Mahtab, D.D. Bolstad and F.S. Kendorski, 1973

USGS

Maps

GP-861 - Aeromagnetic Map of the Carlsbad Area, New Mexico and Texas, 1973

GQ-1013 - Geologic Map of the Benton Quadrangle, Monto County, California, and Esmeralda and Mineral Counties, Nevada by Dwight F. Crowder, Paul F. Robinson and Dahl L. Harris, 1972

I-719 - Geologic Map of the Wall Quadrangle, Nye County, Nevada by E.B. Ekren, E.N. Hinrichs, and G.L. Dixon, 1972

MF-483 - Preliminary Geologic Map of Eastern Sonoma County and Western Napa County, California, 1973

MF-528 - Preliminary Geologic Map of the Coal Mine Basin Quadrangle, Elko County, Nevada, by Keith B. Ketner, 1973

Open File Maps

Nevada Bureau of Mines and Geology 1967-1970, Bibliography of Graduate Theses on Nevada Geology

Combination Mine, Goldfield, Nevada

Aeromagnetic Map of the Vya and Part of the McDermitt 1^o By 2^o Quadrangles, Nevada

Geologic and Bouguer Gravity Maps of the Reveille Quadrangle, Nye County, Nevada

THESES

Bibliography of Theses in Geology, 1967-1970 by Dederick C. Ward, Special Paper 143, Geological Society of America

A Conceptual Study for Maximizing the Information from Analysis of Drill Hole Samples, (M.Sc. Thesis) by Charles C. Pineo, III, June 1973

MEXICO

Visita Postconvencion a La Unidad, Santa Barbara, Chih., ASARCO Mexicana, S.A. Octubre 13, 1973

Programa Oficial y Resumenes Tecnicos, X Convencion Nacional, Octubre 7 a 11 - 1973 Chihuahua, Chih.

Excursiones - X Convencion Nacional, Parral Naica, Chihuahua, 1973, Libreto Guia

NEVADA

Geochemical Analyses of Bedrock Samples Collected in the Gold Acres and Tenabo Areas, Northern Shoshone Range, Nevada by Chester T. Wrucke, et al 3/73 (National Technical Information Service, U.S. Dept. of Commerce - PB-220-645)

UTAH

Mineralogical and Chemical Data for Alteration Studies, Spor Mountain Beryllium Deposits, Juab County, Utah, by D.A. Lindsey, et al, 1973

MISCELLANEOUS

An Investigation of Volcanic Depressions. Part 1: Airfall and Intrusive Pyroclastic Deposits. Part 2: Subaerial Pyroclastic by H. Williams et al, 5/1/69

An Investigation of Volcanic Depressions. Part 1: Geologic and Geophysical Features of Calderas by Howel Williams, et al, 1/22/68

Gravity and Tectonics by Kees A. DeJong and Robert Scholten (Editors)

USGS PROFESSIONAL PAPERS

535 - Geology and Ore Deposits of the Eureka and Adjoining Districts, San Juan Mountains, Colorado by Wilbur S. Burbank and Robert G. Luedke, 1969

378-A - Geology and Ore Deposits of the South Silverton Mining Area, San Juan County, Colorado by David J. Varnes, 1963

J.D. Sell

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

November 15, 1974

MEMORANDUM TO GEOLOGISTS:

Competitor Activity
Arizona, New Mexico, Nevada,
California

Please update the attached list by adding any new information you have on work and results, and by adding any new activity. Legible handwritten comments will suffice.

W. L. Kurtz

WLK:1b

KCC continued "assessment" drilling at Copper Butte and large claim block to west north of Gila River

Kerr-McGee "assessment" drilling on large block at ... P. 24 in '76

? Magma ...

Occidental assessment drilling at ...

Sells

WZK
JWS

Abundant
Competitive activity

Kennecott. Copper Butte & West
Continued assessment drilling on a
very large block of ground

Beaver Creek NE Winkelman
± 8 holes in large altered zone
SE of Chintanas.

Ken-McGee Riverside-Kelvin
Continued assessment drilling on
a large block of ground. Cities
Service may be declining for joint
venture possibilities.

Cities Service West Kelvin
Dry drilling on second hole (both
to ± 2500') on Johnson Claims west
of Ken-McGee holdings. Complex
flat faulting region

Acidental Cherry Flat Reservation
Assessment drilling area SE
of Nevada. Planned to be ± 15
holes in area.

1974 Competitor Activity: (Arizona)

<u>Company</u>	<u>Area</u>	<u>Work</u>	<u>Results</u>
Amoco Mineras	NW Silver Bell	land acquisition, surface and aerial geophysics, limited drilling	
Phelps Dodge	Red Hills	drilling	8 drill holes completed rumored dropping option 2nd quarter
Kennecott	Florence-Grayback	I.P. Survey	
Arizona Portland Cement	West Empire Mtns.	drilling	
ANAMAX	Oak Tree Canyon	claim staking	
Kerr-McGee	Red Mtns.	drilling	
Noranda	Ventura & 4 Metals	assessment drilling	
U.V. Industries	Finley-Adams Canyon	drilling	
Phelps Dodge	W of Four Metals	drilling	
Bear Creek	West Empire Mtns.	acquired land position	
U.S. Borax	W. of Silver Bell	rotary drilling	
Sierra Minerals	NE of Charleston	surface trenching & drilling	
W.G. Mounts, Agent for J.D. Lowell	N of Tombstone	rotary drilling	

(New Mexico)

Exxon	Copper Flat, Hillsboro Dist. Sierra County	claim staking	
Conoco	Pecos Mine, Santa Fe Co. & Jones Mine, Santa Fe Co.	land acquisition, drilling, & underground exploration	

(Nevada)

Phelps Dodge	Germany Canyon, Nye Co.	claim staking
Simplot	Clifford, Nye Co.	drilling
U.V. Industries	B.C. Spring, Nye Co.	drilling
Cominco	Sul Property, Nye Co.	drilling
Bethlehem Copper	E. of Luning, Mineral Co.	drilling
AMAX	E. of Mina, Mineral Co.	drilling
Phelps Dodge	Majuba Prospect, Pershing Co.	acquisition of prospect
Duval	Seven Troughs, Pershing Co.	claim staking

From Wallace Miner: (April 1974)

Anaconda Company Pine Nut Mountains, Nevada

claim acquisition

From John Balla (newspaper clipping)-4/12/74:

Goldex, Inc. 15 mi. NE of Wickenburg, Ariz.

rehabilitate & explore a former
gold producing mine (Gold Bar
Property)

From JDSell's monthly reports on Superior East Project:

Utah International

Patagonia Area

started a 10,000' test in Sept.

Kayser

Grayback Group, Gibson Area

coring in Sept.

Arizona Mng. Co.

Hole L-2

Hole bottomed around 4900'

Phelps Dodge

Lindburg-Grayback claims

optioned in August?

Newmont

Hole B-5

hole lost in June - caving;
Geophysical crew back in June

ICC

"to the northeast"

drilling in May

1974

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

BUREAU OF MINES

Reports of Investigation

7801 - Reactions of Copper Sulfide Minerals with Chlorine in an Aqueous System
by Rees D. Groves and Paulette B. Smith, 1973

USGS

Maps

GQ-1012 - Geologic Map of the White Mountain Peak Quadrangle, Mono County,
California by Dwight F. Crowder and Michael F. Sheridan, 1972

→ GQ-1014 - Geologic Map of the Laguna Dam 7.5-Minute Quadrangle, Arizona and
California by F.H. Olmsted, 1972

I-606 - Geologic Map of the Duffer Peak Quadrangle, Humboldt County, Nevada
by James G. Smith, 1973

√ I-843-A - Index and Description of Flood-Prone Area Maps in the Tucson-Phoenix
Area, Arizona, Compiled by E.S. Davidson, 1973

I-844-A - Map of Land Status in the Tucson Area, Arizona, 1973

I-844-B - Map of Irrigated Land in the Tucson Area, Arizona, 1973

I-844-C - Map Showing Distribution and Estimated Thickness of Alluvial Deposits
in the Tucson Area, Arizona, Compiled by M.E. Cooley, 1973

I-844-D - Map Showing Depth to Water in Wells in the Tucson Area, Arizona, 1972,
by W.R. Osterkamp, 1973

I-844-E - Ground-Water Recharge in the Tucson Area, Arizona by W.R. Osterkamp, 1973

I-844-F - Map Showing Distribution of Recoverable Ground Water in the Tucson
Area, Arizona, by W.R. Osterkamp, 1973

I-844-G - Map Showing Potential for Copper Deposits in the Eastern Three-Quarters
of the Nogales 2⁰ Quadrangle, Tucson, Arizona, 1973

I-845-A - Map of Land Status in the Phoenix Area, Arizona, 1973

I-845-B - Map of Irrigated Land in the Phoenix Area, Arizona, 1973

↪ I-845-C - Map Showing Distribution and Estimated Thickness of Alluvial Deposits
in the Phoenix Area, Arizona, Compiled by M.E. Cooley, 1973

MF-537 - Preliminary Geologic Map of the Carlin Gold Mine, Eureka County, Nevada,
by Arthur S. Radtke, 1973

→ MF-538 - Reconnaissance Geologic Map of the West Side of the Sierrita Mountains,
Palo Alto Ranch Quadrangle, Pima County, Arizona by Harald Drewes and
John R. Cooper, 1973

USGS (maps) con't

MF-539 - Preliminary Geologic Map of the Hunter Quadrangle, Elko County, Nevada by Keith B. Ketner, 1973

Open File Maps

95 - Bouguer Gravity Map of Nevada, Winnemucca Sheet, 1971

106 - Complete Bouguer Gravity Map of Part of the Walker Lake Quadrangle, California and Nevada, 1973

107 - Complete Bouguer Gravity Map of the Mariposa and Part of the Goldfield Quadrangles, California and Nevada, 1973

108 - Bouguer Gravity Map of Nevada, Reno Sheet, 1973

109 - Bouguer Gravity Map of Nevada, Millett Sheet, 1973

CALIFORNIA DIVISION OF MINES AND GEOLOGY

Maps

Bouguer Gravity Map of California, Kingman Gravity, 1973

NEW MEXICO

Circulars

132 - Trace Base Metals, Petrography, and Alteration Tres Hermanas Stock, Luna County, New Mexico, by P. Doraibabu and Paul Dean Proctor, 1973

Maps

27 - Geologic Map and Sections of Rancho del Chaparral Quadrangle, New Mexico, 1973

28 - Geologic Map and Sections of La Ventana Quadrangle, New Mexico, 1973

29 - Geologic Map and Sections of Bishop Cap-Organ Mountains Area, New Mexico, 1973

THESES

Geology of Orange Hill, Alaska by George W. Linn (M.A. Thesis), May 1, 1973

The Geology of the Klondike Mining District, Esmeralda County, Nevada, by Eddie Ray Chipp (M.Sc. Thesis), June, 1969

The Geology and Ore Deposits of the Antelope (Majuba Hill) Mining District, Pershing County, Nevada, by David Lee Stevens (M.Sc. Thesis), June, 1971

The Geology of the Cuprite Mine Area, Pima County, Arizona, by Jonathan F. Browne (M.Sc. Thesis), 1958

MISCELLANEOUS

Reconnaissance Geologic Map of the State of Baja California - Compiled by R. Gordon Gastil, Richard P. Phillips, and Edwin C. Allison, 1971

Copper by Ira B. Joralemon, 1973

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

USGS

Bulletins

1305 - A Geochemical Reconnaissance for Gold in the Sedimentary Rocks of the Great Lakes Region, Minnesota to New York by David A. Seeland, 1973

1319-B - Studies Related to Wilderness Primitive Areas, Jack Creek Basin, Madison County, Montana by George E. Becraft and Thor H. Killsgaard and Ronald M. Van Joy, 1970

1349 - General Geology of the Hahns Peak and Farwell Mountain Quadrangles, Routt County, Colorado, by Kenneth Segerstrom and E.J. Young, 1972

1351 - Geology and Description of the Thorium-Bearing Veins, Lemhi Pass Quadrangle, Idaho and Montana, by Mortimer H. Staatz, 1972

1361 - An Integrated System of Geologic Mapping and Geochemical Sampling by Light Aircraft, by C.L. Sainsbury, K.J. Curry, and J.C. Hamilton, 1973

→ 1379 - Radiometric Ages of Igneous Rocks from Pima, Santa Cruz, and Cochise Counties, Southeastern Arizona, by Richard F. Marvin, T.W. Stern, S.C. Creasey, and Harald H. Mehnert, 1973

→ 1385-A - Mineral Resources of the Chiricahua Wilderness Area, Cochise County, Arizona, by Harald Drewes and Frank E. Williams, 1973

Professional Papers

→ 486 - Geohydrology of the Needles Area, Arizona, California, and Nevada by D.G. Metzger and O.J. Leoltz, 1973

521-A - Regional Hydrogeology of the Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah, by M.E. Cooley, J.W. Harshbarger, J.P. Akers, and W.F. Hardt, 1969

740 - Paleozoic and Precambrian Rocks of Alaska and Their Role in its Structural Evolution, by Michael Churkin, Jr., 1973

818-A - Hydrothermal Alteration Associated with Beryllium Deposits at Spor Mountain, Utah, by David A. Lindsey, Harold Ganow, and Wayne Mountjoy, 1973

Circulars

668 - Reports and Maps of the Geological Survey Released Only in the Open Files, 1972 by Betsey A. Weld, Kathleen T. Isero and Marvin L. Millgate, 1973

Journal of Research

January-February 1974, Volume 2, Number 1

Open File Maps

68 - Mineral Resource and Geology of Churchill County, Nevada, by Ronald Willder and Robert C. Speed, September 1968

Open File Maps (continued)

- 86 - Geologic Map of Lander County, Nevada, by John H. Stewart and Edwin H. McKee, 1970
- 88 - Preliminary Geologic Map of Elko County, Nevada, by Roger A. Hope, 1970
- 94 - Aeromagnetic Map of the Dixie Valley Area, West-Central Nevada, by Thomas E. Smith, 1971
- 98 - Preliminary Geologic Map of the Red Mountain Mining District, Nevada, 1972
- 103 - Aeromagnetic Map of Parts of the Lovelock, Reno and Millett 1° x 2° Quadrangles, Nevada, 1972
- 105 - Geochemical Sample Localities, Goldfield Mining District, Esmeralda and Nye Counties, Nevada, 1972
- 110 - Aeromagnetic Map of the Fencemaker Quadrangle, Pershing County, Nevada 1973
- 111 - Aeromagnetic Map of the Leach Hot Springs and Cherry Creek Quadrangles, Pershing, Humboldt, and Lander Counties, Nevada, 1973
- 112 - Aeromagnetic Map of the McCoy, The Cedars, and Carico Lake Quadrangles, Lander County, Nevada, 1973
- 113 - Aeromagnetic Map of the Mount Tobin, Buffalo Springs, Cain Mountain, and Mount Moses Quadrangles, Pershing and Lander Counties, Nevada, 1973
- 114 - Bouguer Gravity Map of Parts of Esmeralda and Mineral Counties, Nevada and Inyo and Mono Counties, California, 1973

BUREAU OF MINES

Information Circulars

- 8598 - An Economic Appraisal of the Supply of Copper from Primary Domestic Sources by Harold J. Bennett, Lyman Moore, Lawrence E. Welborn, and Joseph E. Toland, 1973
- 8602 - Estimated Costs to Produce Copper at Kennicott, Alaska, by R.P. Maloney and R.G. Bottge, 1973

NEW MEXICO

Memoir

- 25 - Strippable Low-Sulfur Coal Resources of the San Juan Basin in New Mexico and Colorado, Compiled and Edited by John W. Shomaker, Edward C. Beaumont, and Frank E. Kottowski, 1971

Circulars

- 138 - Mineral Resources and Water Requirements for New Mexico Minerals Industries by Earl F. Sorensen, Ronald B. Stotelmeyer, Don H. Baker, Jr., 1973

NEVADA

Nevada Bureau of Mines Bulletins

72 - Correlation of Great Basin Stratigraphic Units, 1973

82 - Forecasts for the Future - Minerals by Arthur Baker, III, N.L. Archbold, and W.J. Stoll, 1972

Nevada Bureau of Mines Maps

43 - Topographic Map of Nevada, Edition of 1972, by Susan L. Nichols and Ira Lutsey

44 - Modified Geologic Map of Nevada, by N.L. Archbold, 1972

THESES

A Geophysical Investigation of Hydrologic Boundaries in the Tucson Basin, Pima County, Arizona, by Richard W. Davis (PhD Dissertation), 1967 (ABSTRACT)

A Reconnaissance Gravity Survey of the Ruby-Pena Blanca Area, Santa Cruz County, Arizona, by Stephen Wayne Hench (M.Sc. Thesis) 1968 (ABSTRACT)

Hydrogeology of the Sells Area, Papago Indian Reservation, by John Radley Matis, (M.Sc. Thesis) 1970 (ABSTRACT)

A Geophysical Study of the Hydrogeology of the Walnut Gulch Experimental Watershed, Tombstone, Arizona, by Daniel Patrick Spangler (PhD Dissertation) 1969 (ABSTRACT)

Reconnaissance Geology of the Bernardino Volcanic Field, Cochise County, Arizona, by Daniel James Lynch (M.Sc. Thesis) 1972 (ABSTRACT)

The Structure of the Pantano Beds in the Northern Tucson Basin, by M.M. Abuajamieh, (M.Sc. Thesis) 1966 (ABSTRACT)

An Analysis of Some Regional Gravity Data in Arizona, by Ganesh Ch. Bhuyan (M.Sc. Thesis) 1965 (ABSTRACT)

The Characteristics of the Deeper Crust of Central Arizona, by Milford James Benham (PhD Dissertation) 1972

Geologic and Geochemical Investigations of Geophysical Anomalies, Sierra Rica, Hidalgo County, New Mexico, by Peter M. Van Der Spuy

Financial Evaluation of Mineral Industry Capital Projects by Harry Joseph Winters, Jr., (PhD Dissertation) 1972

MISCELLANEOUS

Standard Mathematical Tables, 21st Edition (filed in N. Whaley's room)

Handbook of Chemistry and Physics, 54th Edition, 1973-74 (filed in Whaley's room)



Copper Porphyries by Alexander Sutulov, 1974

The Mineral Position of the United States, 1975-2000, edited by Eugene N. Cameron

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

BUREAU OF MINES

Information Circulars

8535 - Cost Analyses of Model Mines for Strip Mining of Coal in the United States, 1972

CALIFORNIA

Bulletins

198 - Urban Geology - Master Plan for California - 1973

Miscellaneous

→ Guidebook: Death Valley Region, California and Nevada
Field Trip No. 1 - Cordilleran Section 70th Annual Meeting
March 29-31, 1974 Las Vegas, Nevada

NEVADA

Nevada Bureau of Mines Reports

→ 19 - Guidebook to the Geology of Four Tertiary Volcanic Centers in Central Nevada - 1974

20 - Interbasin Ground-Water Flow in Southern Nevada - 1974

Miscellaneous

Fine Gold Occurrence at Carlin, Nevada by D. M. Hausen

NEW MEXICO

New Mexico Bureau of Mines Bulletins

100 - Geology of Souse Springs Quadrangle, New Mexico, by Russell E. Clemons and William R. Seager, 1973

Progress Report

8 - A New Approach to the Open-Pit Mining Sequence Problem by Ronald J. Roman & Allan L. Gutjahr - 1973

Miscellaneous

Annual Report, July 1, 1972 to June 30, 1973, New Mexico Bureau of Mines and Mineral Resources

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARYAIME PREPRINTS

- 74-AM-79 Predictable Blasting with In Situ Seismic Surveys by
C. D. Broadbent AIME Annual Meeting, Dallas, Texas 2/24 - 28/74
- 74-AR-14 Geometric Programming, A New Tool for Mining Engineers by
T.M. Vegulalp (AIME Annual Meeting, Dallas Feb. 24-28, 1974)
- 74-AR-61 An Analysis of Leasing by J. T. Crawford (AIME Annual Meeting,
Dallas, Texas, Feb. 24-28, 1974)
- 74-AS-53 Fluid Flow and Mass Transport in Fractured Rocks by Hossein Kazemi
and J. E. McElhiney (AIME Annual Meeting, Dallas, Texas Feb. 24-28,
1974)
- 74-B-35 Photochemical Reactions at the ZnS-H₂O Interface by D.R. Dixon,
R.O. James, and T.W. Healy (AIME Annual Meeting, Dallas, Texas,
Feb. 24-28, 1974)
- 74-B-36 Structure and Orientation of Sodium Dodecyl Sulfate Adsorbed on
Cu(OH) by R.H. Yoon and T. Salman (AIME Annual Meeting, Dallas,
Texas, Feb. 24-28, 1974)
- 74-B-65 Copper Recovery from Concentrated Solution Utilizing Kelex Solvent
Extraction by J.A. Hartlage and A.D. Cronberg (AIME Annual Meeting,
Dallas, Texas, Feb. 24-28, 1974)
- 74-B-72 Formation and Detection of Elemental Sulfur on the Surface of Sphalerite
in Aqueous Systems by R.K. Clifford and J.D. Miller (AIME Annual Meeting,
Dallas, Texas, Feb. 24-28, 1974)
- 74-B-86 Mineral Processing Chemicals, Operational Mechanisms and Environmental
Effects by Dr. George F. McIntyre (AIME Annual Meeting, Dallas, Texas,
Feb. 24-28, 1974)
- 74-F-82 Reclamation Processes in the Western Coal Mines by Thomas A. Gwynn
(AIME Annual Meeting, Dallas, Texas, Feb. 24-28, 1974)
- 74-H-20 Challenges to Geologic Exploration in Next Three Decades by
Edwin W. Tooker (AIME Annual Meeting, Dallas, Texas, Feb. 24-28, 1974)
- 74-H-45 Geology, Mining, Milling and Marketing of Silica Sands for the Foundry
Industry by Paul K. Edwards and Dee C. Rose (AIME Annual Meeting,
Dallas, Texas, 2/24-28/74)
- 74-H-58 Refractory Clay Mining and Land Reclamation by Charles E. Stack and
William P. Nowell (AIME Annual Meeting, Dallas, Texas, 2/24-28/74)
- 74-H-80 Salt Domes as a Source of Geothermal Energy by Jacoby and Paul,
AIME 2/24-28/74)

AIME Preprints (continued)

74-1-10 The Effect of A Retaining-Wall Supported Berm on the Stability
of a Tailings Dam by Doolittle, Sack, Schuster, (AIME Annual
Meeting, Dallas, Texas, 2/24-28/74)

MISCELLANEOUS - A.I.M.E.

Solution Mining Symposium by F. F. Aplan, W. A. McKinney,
A. B. Pernichele (AIME Annual Meeting, Dallas, Texas,
February 25-27, 1974)

MISCELLANEOUS

Modern Techniques of Excavation by H. L. Nichols (filed in
N. Whaley's office)

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

ARIZONA - Miscellaneous Publications

Geology of Northern Arizona - Part I - Regional Studies - For Geological Society of America - Rocky Mountain Section Meeting, Flagstaff, Arizona 1974

Geology of Northern Arizona - Part II - Area Studies and Field Guides - For Geological Society of America - Rocky Mountain Section Meeting, Flagstaff, Arizona - 1974

THESIS

The Geology and Ore Deposits of the Engels and Superior Mines, Plumas County, California by Charles A. Anderson - 1928

CANADA

Information Circular

IC- 302 Mineralogical and Textural Study of the Copper-Molybdenum Deposit of Brenda Mines Limited. South-Central British Columbia by A. E. Johnson, Mineral Sciences Division. March 1973

USGS

Maps

GQ-1053 - Geology of the Creede Quadrangle, Mineral and Saguache Counties, Colorado by Thomas A. Steven and James C. Ratte'

GQ-1078 - Geology of the Davis Mountain Quadrangle, Esmeralda and Mineral Counties, Nevada and Mono County, California by Paul T. Robinson and Dwight F. Crowder

GQ-1085 - Geology of the Ruth Quadrangle, White Pine County, Nevada by A. L. Brokaw, H. L. Bauer, and R. A. Breitrack

I-754 - Geology Map of the Wheelbarrow Peak-Rainier Mesa Area, Nye County, Nevada by K. A. Sargent and P. P. Orkild

Open File Maps - (FILED IN THE DRAFTING ROOM)

Aeromagnetic Map of the Morenci-Monticello Area, Southeastern New Mexico (4 Sheets)

49 Geologic Map of Ackerman Canyon Quadrangle, Nevada 1968 (2 Sheets)

Open File Maps (continued)

- 50 Geologic Map of Southwestern Part of Lander County, Nevada
1968 (2 Sheets)
- 51 Geologic Map of Southeastern Part of Lander County, Nevada
1968 (2 Sheets)
- 52 Geologic Map of West-Central Part of Lander County, Nevada
1968 (2 Sheets)
- 64 Geologic Map Index of Nevada 1955-1967
- 65 Preliminary Geologic Map of the Southwestern Part of the Mountain
City Quadrangle, Elko County, Nevada 1968
- 66 Geologic Map and Schematic Cross Section of the Circle Creek Rhyolite
Lekolith, Elko County, Nevada 1968 (1 Sheet)
- 67 Preliminary Geologic Map of the Owyhee Quadrangle, Nevada-Idaho,
1968 (2)
- 70 Geologic Map of Carico Lake Quadrangle, Lander County, Nevada, 1969
- 71 Geologic Map of the Cedars Quadrangle, Lander County, Nevada 1969
- 72 Geologic Map of the Hall Creek and Western Part of the Walthi Hot
Springs Quadrangles, Lander County, Nevada, 1969
- 73 Geologic Map of the McCoy Quadrangle, Lander County, Nevada, 1969
- 74 Geologic Map of Mt. Moses and Southeast Part of Buffalo Springs
Quadrangles, Lander County, Nevada 1969 (3 Sheets)
- 75 Geologic Map of the Battle Mountain and Part of the Dunphy
Quadrangles, Nevada 1969 (3 Sheets)
- 77 Preliminary Geologic and Geochemical Maps of the Buckhorn Mine
Area, Eureka County, Nevada 1969 (14 Sheets)

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District of the San Juan Mountains, Colorado by Willard Page
Leedy, 1944



cc: JDS

please call E.S. Davidson,
Tucson, Arizona, telephone
number 792-6671

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Western Mineral Resources Branch
345 Middlefield Road
Menlo Park, California 94025



For Release: AUGUST 16, 1974

NEW MAP AIDS SEARCH FOR COPPER IN ARIZONA

A new map classifying land according to its relative potential for the occurrence of copper deposits throughout an area of more than 4,000 square miles northeast of Tucson, Arizona, has been released for public inspection by the U.S. Geological Survey.

The area, mapped at a scale of 4 miles to the inch, extends from the Tucson Mountains west of Tucson to the Sulfur Springs Valley, near Willcox, and northward to include the southern part of the San Carlos Indian Reservation. This map outlines areas of relatively high, intermediate and low potential for the discovery of copper deposits, and to a lesser extent indicates areas favorable to explore for associated zinc, lead, gold, and silver deposits.

Zones of relative mineral potential are plotted on a greatly simplified geologic map along with the locations of known copper deposits and minor copper occurrences. The map is part of a series of mineral potential maps planned to eventually cover a large part of southern Arizona extending from Nogales to north of Phoenix.

These maps are intended to provide basic mineral potential information for land-use planners, governmental agencies, conservation groups, and companies or individuals interested in the mineral industry.

USGS Open-File Map 74-143 titled, "Preliminary map showing potential for copper deposits in the east half of the Tucson 2° quadrangle, Arizona," is available for inspection at the following locations:

- USGS Library, Rm. 4A100, 12201 Sunrise Valley Dr., Reston, VA 22092
- *USGS Library, Bldg. 25, Federal Center, Denver, CO 80225
- *USGS Library, 345 Middlefield Rd., Menlo Park, CA 94025
- *1012 Federal Bldg., Denver, CO 80202
- 8102 Federal Office Bldg., Salt Lake City, Utah 84111
- *504 Custom House, 555 Battery St., San Francisco, CA 94111
- *7638 Federal Bldg., 300 N. Los Angeles, Los Angeles, CA 90012
- *Arizona Bureau of Mines, University of Arizona, Tucson, AZ 85721

*Material from which copies can be made at private expense is available at these depositories.

September 13, 1974

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- I-762 Geologic Map and Sections of the Nogales and Lochiel Quadrangles, Santa Cruz County, Arizona by Frank S. Simons, 1974
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January 7, 1975

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Bulletins

1386 - Silurian, Devonian, and Mississippian formations of the Funeral Mountains in the Ryan Quadrangle, Death Valley region, California, by J.F. McAllister. 1974

Professional Papers

352-J Chemical Weathering, Soil Development, and Geochemical Fractionation in a Part of the White Mountains, Mono and Inyo Counties, California, by D.E. Marchand, 1974

772 Gold-bearing Gravel of the Ancestral Yuba River, Sierra Nevada, California by Warren E. Yeend, 1974

Journal of Research

November-December 1974, Volume 2, Number 6

ARIZONA

Miscellaneous

Field Trip to the Massive Sulphides, Porphyry Copper Deposits of Arizona, December 14 to 22, 1974 (University of Western Ontario)

February 12, 1975

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USGS

Professional Papers

866 - Tectonic Features of the Precambrian Belt Basin and Their Influence on Post-Belt Structures, by Jack E. Harrison, Allan B. Griggs, and John D. Wells, 1974

Reports of Investigations

7935 Drilling and Sampling Tertiary Gold-bearing Gravels at Badger Hill, Nevada County, California, by Russell R. McLellan, Richard D. Berkenkotter, Richard C. Wilmot, and Robert L. Stahl, 1974

NEW MEXICO

Isochron/West

No. 11, December 1974

THESIS

Geothermometry, Geochemistry, and Alteration at the San Manuel Porphyry Copper Orebody, San Manuel, Arizona by Jerry Dean Davis, 1974

MISCELLANEOUS

1973 Keystone Coal Industry Manual

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- 189 - Index of Mining Properties in Pima County, Arizona by Stanton B. Keith, 1974
- 190 - Bibliography of the Geology and Mineral Resources of Arizona 1965-1970, by J.S. Vuich and J.C. Wilt

NEVADA

Nevada Bureau of Mines (University of Nevada)

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- 83 - Geology and Mineral Deposits of Churchill County, Nevada by Ronald Willden and Robert C. Speed, 1974

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Nevada

- MF-609 - Preliminary geologic map of Nevada by J.H. Stewart & J.E. Carlson, 1974

New Mexico

- 30 - Geologic Map and Sections of Silver City Quadrangle, New Mexico, 1974

Open File Map

- 74-112 - Geologic and geochemical maps showing distribution and abundance of Cu, Pb, Zn, Ag, Bi, Mo, W, and Ag, central Peloncillo Mtns, Hidalgo County, New Mexico by M. L. Silverman, R.B. Carten, and A.K. Armstrong - (filed in Drafting Room)

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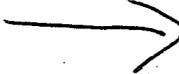
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Hydrothermal Alteration in the Goldfield District, Nevada, by R. Harvey, 1960, Indiana University

Integrated Mineral Exploration in the Osgood Mountains, Humboldt County, Nevada, by Wayne Sherrell Cavender, Ph.D., 1963

Thesis

Late Paleozoic and Mesozoic Tectonic Events in West Central Nevada,
by John Richard MacMillan, Evanston, Illinois, June 1972
Northwestern University

 The Relationship of Mineralization to Volcanic Stratigraphy, in the
Kirkland Lake Area, Ontario by Roland Hartley Ridler, University of
Wisconsin, Ph.D., 1969

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- 1330 - Geochemistry of gold in the weathering cycle, by H.W. Laking, G.C. Curtin, and A.E. Hubert, 1974

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- 599-1 Geology of the Lunar Crater Volcanic Field, Nye County, Nevada by David H. Scott and N.J. Trask, 1971
- 901 - Explanatory text to accompany the geologic map of the United States, by P.B. King and H.M. Beikman, 1974

Maps

- GQ-1174 Geologic map of the Golconda Quadrangle, Humboldt County, Nevada
- I-744 Geology, structure, and uranium deposits of the Escalante quadrangle, Utah and Arizona

BUREAU OF MINES

Special Publication

- SP-2-74 List of Bureau of Mines Publications and Articles January 1 to December 31, 1973 - with Subject and Author Index Compiled by Rita D. Sylvester

Information Circulars

- 8656 - Comparative Porphyry Copper Mining and Processing Costs-Alaska and Arizona, 1974

Reports of Investigations

- 7904 - Detecting and Sorting Disseminated Native Copper Ores, by Vernon R. Miller, Robert W. Nash, and Alfred E. Schwaneke, Rolla Metallurgy Research Center, Rolla, Mo., 1974
- 7989 - A Mathematical Model to Guide the Discovery of Ore Bodies in a Coeur D'Alene Lead-Silver Mine, by George S. Lock, Jr., John H. Schuenemeyer, and Richard F. Link Division of Mine Systems Engineering, Denver, Colorado, 1974

USGS - Journal of Research

January-February 1975

MISCELLANEOUS

Engineering Bulletin 45 - Remote Sensing Environmental and Geotechnical Applications, August 1974

ARIZONA

Miscellaneous Publications

Symposium on American Mineral Law Relating to Public Land Use
March 21, 22, and 23, 1966 Presented by College of Mines and Law
College University of Arizona in cooperation with the Bureau of
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Geoscience Daze - April 3 and 4, 1975. Sponsored by the Department
of Geosciences, University of Arizona.

Arizona Water Commission Bulletins

Bulletin 9 - Annual Report on Ground Water in Arizona with emphasis on
Gila Bend Basin, McMullen Valley and the southeast part
of the Harquahala Plains
Spring 1973 to Spring 1974

NEW MEXICO

Isochron/West

No. 12 - April 1975

UTAH

Utah Geological Association

Pub. 3 - Geology of the Milford Area 1973

Aime Annual Meeting - New York, N.Y. - February 16-20, 1975

- 75-AM-9 Influence of Rock Fractures and Block Boundary Weakening on Cavability by M.A. Mahtab and J.D. Dixon
- 75-B-44 Cyanidation Practice at Carling Gold Mining Company by J.D. Mc Beth
- 75-B-68 Leaching of Primary Sulfide Ores in Sulfuric Acid Solutions at Elevated Temperatures and Pressures by D. L. Leach and R. L. Braun
- 75-K-49 The Role of Mid-Eastern Oil Money in Future World-Wide Mineral Development, by Wallace Macgregor
- 75-K-90 Public Relations Challenges for the Pending Minerals Crunch by John B. Rigg
- 75-K-98 The Future Role of the Mining Company in the International Arena by Gordon R. Haworth and Henry R. Colen
- 75-L-4 Use of Oxide Coated Stream Gravels in Geochemical Survey: A Test Case, by Philip R. Whitney
- 75-L-5 Gold in Early Precambrian Plutonic Rocks: The Relation between Geochemical Abundance and Concentration to Exploitable Levels by W.J. Wolfe
- 75-L-13 Geophysical Exploration of Mineral Resources in Brazil by Eudes Prado Lopes and Jose Alosio Paione
- 75-L-24 Fe-Mn Oxide Coatings vs. -80 Mesh Alluvium in Stream Sediment Geochemical Surveys by Robert H. Carpenter, Timothy A. Pope and Robert L. Smith
- 75-L-34 Development of Rock Geochemical Techniques for Detecting Buried Sulphide Deposits by G.J.S. Govett, W.D. Goodfellow
- 75-L-43 Gamma Ray Logging in the Iron Formations of Western Australia by E. A. Wieselmann
- 75-L-54 Geochemical Prospecting for Gold in Alabama by John B. Gustavson and Thornton L. Neatherly
- 75-L-82 The Magnetometric Resistivity Method by R.N. Edwards
- 75-L-93 Pulse Electromagnetic - PEM Ground Method and Equipment as Applied in Mineral Exploration by J. Duncan Crone
- 75-S-2 Geology and Mineralization of the Cerro Colorado Copper-Porphyry Deposit Republic of Panama by Paul Kents

AIME PREPRINTS (continued)

- 75-K-52 Foreign Mineral Development; Should We Retreat?
by Charles Bruce
- 75-S-27 Lithologic, Geochemical and Metallogenic Belts in the Northern
Andes, and Their Structural Relationships by Pierre J. Goossens
- 75-S-35 Locomotive-Type Post-Ore Conglomerates as Exploration Guides
for Porphyry Copper Deposits by James N. Lukanuski, Andrew E.
Nevin and Sidney A. Williams
- 75-S-65 Lead-Zinc Exploration at Gays River District, Nova Scotia
by Patrick Hannon and Fenton Scott
- 75-S-72 Geology and Isotope Geochemistry of the Lime Creek MoS₂ Orebody,
Alice ARM, British Columbia by David L. Giles and Donald E.
Livingston



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April 17, 1975

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Leicester, LE1 7RD
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Enclosed please find our draft in the amount of 12.60 English pounds sterling for 3 copies of the Leicester Department of Geology Special Publication #1, "Sedimentary Ores, Ancient and Modern (Revised)", edited by C. H. James (1969), from the Proceedings 15th Inter-University Geological Congress (1967). The 12.60 includes postage and insurance. Thank you.

Very truly yours,

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May 8, 1975

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

BUREAU OF MINES

Information Circulars

8660 - Mineral Resources of the Black Hills Area, South Dakota and Wyoming, 1974

MAPS

GQ-1106 Geologic Map of the Winkelman Quadrangle, Pinal and Gila Counties, Arizona

GQ-1109 Geologic Map of the Putnam Wash Quadrangle, Pinal County, Arizona by Medora H. Krieger, 1974

Satellite Image Base Map (1972-1973) filed Mr. Kurtz's office

USGS OPEN FILE MAPS - ARIZONA

74-128 Aeromagnetic Map of Parts of the Chiricahua Peak and Portal Quadrangles, Cochise County, Arizona

NEVADA

Bureau of Mines

Report No. 22 Guidebook to the Quaternary Geology Along the Western Flank of the Truckee Meadows, Washoe County, Nevada by E.C. Bingler, 1975

MISCELLANEOUS

Geology, Principles and Concepts, a Programmed Text, by Dennis P. Cox and Helen R. Cox, 1974

June 5, 1975

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BUREAU OF MINES

Technical Bulletins.

#4 Placer Examination Principles and Practice
July, 1969

A.I.M.E.

Symposium

Eighteenth Annual Mineral Symposium, Colorado Plateau Section AIME,
Grand Junction, Colorado, May 30, 1975
"Geology and the Economic Potential of the Platoro Caldera,
Southeast San Juan Mountains, Colorado" by W.H. Bird

ARIZONA

Miscellaneous

Department of Mineral Resources

Annual Report: 35th Annual Report, Fiscal Year 1973-1974

The Effects of Tax Changes on Employment and Personal Income from
the Arizona Copper Industry - November, 1974

The Impact of Changes in State Tax Laws on Local Tax Revenues from
the Arizona Copper Industry - December, 1974

Field Trips

Field Trip Baja & Mexico, The University of Arizona Department of
Geosciences Economic Geology Field Trip, 1975 (Spring)

THESIS

A Geologic Reconnaissance and Mineral Evaluation, Wheeler Wash Area,
Hualpai Mountains by John Steven Vuich, M.S., 1974

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Japan

Geology of Kuroko Deposits - Mining Geology Special Issue No. 6, 1974

ATOMIC ENERGY

International Atomic Energy Agency

Symposium on the Formation of Uranium Ore Deposits - held in Athens,
Greece, May 1974

July 8, 1975

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USGS

Bulletin

- 1385-C Mineral resources of the San Pedro Parks Wilderness and vicinity, Rio Arriba and Sandoval Counties, New Mexico, by Elmer S. Santos, Robert B. Hall and Robert C. Weisner, 1975

Professional Papers

- 843-A Distribution of gold and other ore-related elements near ore bodies in the oxidized zone at Goldfield, Nevada, by R.P. Ashley and J.P. Albers, 1975
- 852 Evolution of the Platoro caldera complex and related volcanic rocks, southeastern San Juan Mountains, Colorado, by P.W. Lipman, 1975
- 867-A Stratigraphy of Paleozoic rocks in the Carlin-Pinon Range area, Nevada, by J. Fred Smith, Jr. and Keith B. Ketner, 1975
- 883 Discrimination of rock types and detection of hydrothermally altered areas in southcentral Nevada by the use of computer-enhanced ERTS images, by L.C. Rowan, P.H. Wetlaufer, A.F.H. Goetz, F.C. Billingsley, and J.H. Stewart, 1974
- 900 Geological Survey Research 1974 (1975)

Journal of Research

May-June 1975 - Volume 3, Number 3

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Arizona

- I-844-H Map showing vegetation in the Tucson area, Arizona, by R.M. Turner, 1974
- I-844-I Dissolved-solids content of ground water in Tucson area, Arizona, by L.R. Kiste, 1974
- I-844-J Maps showing nonmetallic mineral deposits in Tucson area, by Richard T. Moore, Wm. C. Jones and John W. Peterson, 1974
- I-844-K Map showing ground-water velocities in the uppermost saturated alluvial deposits of the Tucson area, by W.R. Osterkamp, 1974

July 8, 1975

Maps
Arizona (continued)

I-844-L Map showing chemical quality, Tucson area, by W.R. Osterkamp and R.L. Laney, 1974

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GQ-1116 Geologic Map of the Rodeo Creek Ne Quad., Eureka County, Nevada by James G. Evans, 1974

GQ-1117 Geologic Map of the Welches Canyon Quadrangle, Eureka County, Nevada by James G. Evans, 1974

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Mexico

Open File Map

→ 75-70 A mineralogical study of the Guanajuato, Mexico, silver ores, by I.F. Wilson, Charles Milton, and J.R. Houston

THESIS

→ Volcanogenic Iron Ore of Cerro De Mercado and Its Setting Within the Chupaderos Caldera, Durango, Mexico by James Irwin Lyons, Jr., B.S., 1975

MISCELLANEOUS

Geology and Exploration

→ Copper the Anatomy of an Industry by Sir Ronald Prain, 1975

Drilling

Diamond Drill Handbook by J.D. Cumming (Filed in N. Whaley's office)

CANADA

Symposium - International Geochemical Exploration, Vancouver, Canada 1974

August 11, 1975

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USGS

Survey Circulars

706 Reports and Maps of the Geological Survey Released Only
in the Open Files, January through April, 1974

Journal of Research

July-August 1975 - Volume 3, Number 4

NEW MEXICO

Open File Map

75-108 Geologic Map of the Hillsboro Quadrangle, Sierra and Grant
Counties, New Mexico, Description of Map Units by
D.C. Hedlund, 1975

A.I.M.E.

Transactions, Vol. 258, No. 2, June 1975

October 2, 1975

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September-October 1975 - Volume 3, Number 5

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102 - Geology of Sierra Alta Quadrangle Doña Ana County,
New Mexico by Wm. Seager, Russell E. Clemons and John W. Hawley,
1975.

Isochron/West

No. 13 - August 1975

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AIME/SME Fall Meeting, Salt Lake City, Utah - September 10-12, 1975

75-305 Geology and Geochemistry of the Gatchell Disseminated Gold
Deposit, Humboldt County, Nevada, by Bryon R. Berger

THESIS

Zoned Hydrothermal Alteration and Ore Deposits in Sedimentary Rocks
Near Mineralized Intrusions, Ely Area, Nevada by Laurence P. James,
PhD, 1971. The Pennsylvania State University

The Occurrence of Gold at the Gatchell Mine, Nevada by Peter Joralemon,
PhD, 1949. Harvard University

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Geology and Exploration

Sedimentary Ores Ancient & Modern (Revised), Edited by Clifford H. James
Proceedings 15th Inter-University Geological Congress, University of
Leicester, England, December 1967

Mineral Resources

Mineral Recognition by Iris Vanders and Paul F. Kerr, 1967

Rare Metals Handbook, edited by Clifford A. Hampel, 1961

States/Countries

Australia - 25th International Geological Congress, Sydney Australia
16-25 August 1976 (2nd Circular)

November 12, 1975

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USGS

Professional Papers

- 798-B Geology and Geochemistry of the Copper Canyon Porphyry Copper Deposit and Surrounding Area, Lander County, Nevada by Ted G. Theodore and David W. Blake, 1975
- 940 Mineral Resource Perspectives 1975

BUREAU OF MINES

Information Circulars

- 8679 Ground Support Systems in Block-Cave Mining, A Survey by P.C. McWilliams and A.E. Gooch, 1975

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Maps

- GQ-1107 Geologic Map of the Crozier Peak Quadrangle, Pinal County Arizona by Medora H. Krieger, 1974
- I-832 Geologic Map and Sections of the Happy Valley Quadrangle, Cochise County, Arizona by Harald Drewes, 1974

Open File Maps

- 75-295 Geologic Map of Bellota Ranch, Pima County, Arizona
- 75-314 Preliminary Geologic Map of the Teapot Mountain Quadrangle, Pinal County, Arizona, 1974

Water Commission Maps

- H-1 Maps showing Ground-water Conditions in the Waterman Wash Area, Maricopa and Pinal Counties, Arizona - 1975, by E.E. Denis

NEVADA

Maps

- GQ-1186 Geologic Map of the Piper Peak Quadrangle, Nevada-California by John H. Stewart, Paul T. Robinson, John P. Albers, and Dwight Crowder.

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Maps

- I-821 Geologic Map of the Tybo Quadrangle, Nye County, Nevada by
W.D. Quinlivan and C.L. Rogers - 1974
- MF-647 Geologic Map of gold acres-Tenabo area Shoshone range, Lander
County, Nevada

THESIS

- The Geology of Buchans Mine, Newfoundland by B.H. Relly (Partial Thesis)
McGill University, Montreal, Canada - 1960
- Engine House Orebody, Buchans, Newfoundland by D.J. Catherall as part
of B.Sc (Special) - University ?, England - 1960?

SOCIETY OF ECONOMIC GEOLOGISTS

Guidebooks

- Bingham Mining District - Sponsored by the Society of Economic
Geologists - October 23, 1975

A.I.M.E.

- Transactions, Vol. 258 No. 3, September 1975

GEOLOGY AND EXPLORATION

- Schlumberger Log Interpretation Charts - 1969 Edition
Schlumberger Engineered Open Hole Services
Schlumberger Engineered Production Services - 1/70

- AIPG - Guide- The Use of Geology in Reclamation of Surface Mined Land (tentative)
(filed in Bob Crists's off

MINERAL RESOURCES

- American Institute of Professional Geologists - Guide
Understanding Mineral Resources (tentative) -(In Bob Crist's Office)
- Valuation of Metallic Ore Deposits - Guide - (in Bob Crist's Office)
(tentative)

December 8, 1975

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USGS

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Arizona

74-34 Leasable Mineral and Waterpower Land Classification Map.
Phoenix Quadrangle, Arizona.

75-93 Preliminary Geologic Map of the Garnet Mountain Quadrangle,
Mohave County, Arizona.

Nevada

74-176 Tectonic Map of Yucca Flat, Nevada

NEVADA

Nevada Bureau of Mines

Reports:

No. 23 Induced Polarization (Resistivity) and Magnetic Surveys
of Altered Tertiary Volcanic Rocks Near Reno, Nevada by
John W. Erwin - 1975.

No. 24 Bibliography of Nevada Mining and Geology, 1966-1970.

NEW MEXICO

Guidebook 1975 Guidebook of the Las Cruces Country, November 13-15, 1975.
New Mexico Geological Society

MISSOURI

Guidebook Symposium on the Geology and Ore Deposits of the Viburnum Trend,
Missouri. Rolla, Mo. October 17-18, 1975.

THESIS

Geology and Ore Deposits of the Alpine Mining District, Esmeralda County, Nevada,
by Edward Irvin Phariss, MS Geo., 1974

Petrology of the Ryan Canyon Stock, Mineral County, Nevada by Ronald D. Luethe,
MS Geo., 1974

Geology and Mineral Deposits of the Pyramid District, Southern Washoe County, Nev.,
by Andy B. Wallace, PhD, 1975.

1976

January 8, 1976

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USGS

Bulletins

- 1384 - Aeromagnetic & limited gravity studies and generalized geology of the Bodie Hills region, Nev. and Ca., by F.J. Kleinhample.....1975

Circulars

- 722 United States Geological Survey Alaska Program, 1975
- 726 Assessment of geothermal resources of the United States. 1975

Professional Papers

- 712-C Hydrogeologic and hydrochemical framework, south-central Great Basin Nevada-Ca. by I.J. Winograd.....
- 818-B Mineralization halos and diagenesis in water-laid tuff of the Thomas Range, Utah, by D.A. Lindsey. 1975
- 827 Geology of the Sierra Foothills Melange and adjacent areas, Amador County, Ca. by W.A. Duffield.....1975
- 876 Cauldron subsidence of Oligocene age at Mount Lewis, northern Shoshone Range, Nevada, by C.T. Wrucke.....
- 907-A A, Grade and tonnage relationships among copper deposits, by D.A. Singer
-B
- 918 Lithium in unconsolidated sediments and plants of the Basin and Range province, southern Ca. and Nev. by H.L. Cannon.....1975

Journal of Research

November-December 1975 - Volume 3, Number 6

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ALASKA

- MR-52 Antimony Occurrences in Alaska compiled by Edward H. Cobb, 1970
- MR-53 Bismuth Occurrences in Alaska compiled by Edward H. Cobb, 1970
- MR-54 Mercury Occurrences in Alaska compiled by Edward H. Cobb, 1970
- MR-56 Uranium, Thorium, and Rare-earth Elements in Alaska compiled by Edward H. Cobb, 1970

MAPS (continued)

CALIFORNIA

GQ-1155 Geologic Map of the Mount Abbot Quadrangle, Central Sierra Nevada, California by John P. Lockwood and Phillip A. Lydon, 1975

NEW MEXICO

Bureau of Mines

35 Geologic Map and Sections of South Half San Diego Mountain Quadrangle, New Mexico, 1975

USGS

GQ-1234 Geologic Map of the Galisteo Quadrangle, Santa Fe County, New Mexico, by Ross B. Johnson, 1975

OPEN FILE REPORTS

NEVADA

74-369 Bootstrap window, Elko and Eureka Counties, Nevada by J.G. Evans. 1974

75-213 Stratigraphic sequence of Paleozoic and Mesozoic rocks exposed in central Elko County, Nev. by K.B. Ketner, 1975

75-363 Lithology and chemical analyses of core and cuttings from USGS drill hole near Gold Acres, Lander County, Nev. by C.T. Wrucke

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76-AG-75	Ground-Water Hydrology Henderson Mine, Colorado by Charles S. Robinson, Charles S. Robinson & Associates, Inc. Golden, Co.
76-A0-13	Ore Estimation at Cyprus Pima Mine by Donald R. Williamson, Edward R. Mueller
76-AR-2	A Comparative Study of the Geostatistical Ore Reserve Estimation Method over the Conventional Methods by Harvey P. Knudsen, Young C. Kim, Edward Mueller
76-AR-94	A Review of Recent Developments in Geostatistics by H.M. Parker and R. L. Sandefur
76-AS-36	In Situ Mining A Design for Positive Results by Albert L. St. Peter
76-B-73	Hydrochloric Acid Leach Processes for Copper Concentrates by W.W. Harvey, F.O. Dudas
76-H-8	Investment for Mineral Exploration and Development in Foreign Countries-Problems and Positive Factors by L. Nahai
76-H-76	Geology and Planning - The Missouri Experience by James A. Martin, Ardel W. Rueff
76-H-82	Pending Legislation Affecting the Minerals Industry by Sheldon P. Wimpfen
76-H-84	Remote Subdivisions and Their Possible Effect on Mineral Production in Arizona by Ted H. Eyde
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76-I-3	Geology of the Twin Buttes Copper Deposit by James L. Kelley
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- 76-I-55 Flambeau - A Precambrian Supergene Enriched Massive Sulfide Deposit by Edward R. May
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- 76-I-102 Igneous Activity, Tectonics, and Hydrothermal Precious-Metal Mineralization in the Great Basin During Cenozoic Time by Miles L. Silberman, Edwin H. McKee and John H. Stewart
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- 76-L-1 Selection of Sample Sites in Stream Sediment Reconnaissance by H.E. Hawkes
- 76-L-38 A National Hydrogeochemical Sampling Program for Uranium by David H. Dahlem
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- 76-L-92 Geophysics and Geochemistry for Exploration in Deep Carbonate Terranes by John B. Custavson
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- 76-S-23 Porphyry Copper Mineralization at the Tapadaa Prospect, Northern Sulawesi, Indonesia by Garry G. Lowder, John A.S. Dow
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Paper

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- 971 Structural geology of Confusion Range, West-Central Utah, by R.K.Hose, 1977.
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Program, Flagstaff, Arizona, May 10-14/76 (U of California)

A Survey of Known Mineral Deposits in Canada that are not Being Mined, 1976
Dept. of Energy, Mines & Resources, Canada.

Selected Papers from the December Northwest Mining Association Convention:
(from J.C.Balla, Spokane Office)

"Regaining the Initiative" - G.F.Joklik (Kennecott Copper Corp) 1976

"Geologic Factors Controlling Distribution of Placer Gold Deposits of
the Seward Peninsula, Alaska" by Pete Sainsbury, 1976.

"The Coeur D'Alene Silver Belt - Past, Present and Possible Future",
by D.Springer, 1976

"Silver: A Perspective for the New Year", by Irwin Shishko, 1976

"Alaska Gold - A Century of Highs & Lows" by D.J.Cook, Fairbanks Univ.
1976.

"Age Determination of Late Cenozoic Porphyry Copper Deposits of the North
American Cordillera", a paper which appeared in the November 1976 issue of
the Transactions of the Institution of Mining & Metallurgy - by R.L.Armstrong,
J.E.Harakal and V.F.Hollister. (this has been circulated to most of the S.W.
Exploration Department)

OPEN FILE REPORTS

77-127 Some Observations that Bear on the Origin of Porphyry Copper
Deposits, by Norman G.Banks and Norman J.Page, 1977.

76-454 Fluid flow and ionic diffusion and their roles in the genesis of
sandstone-type uranium orebodies, by H.C.Granger, 1976

76-476 Plumbotectonics IIA, Precambrian massive sulfide deposits, by
J.S.Stacey, B.R.Doe, L.T.Silver and R.E.Zartman, 1976.

76-649 A Review of selected laws and governmental programs in COLORADO,
as related to mineral resource management and surface mining,
by Edgar Imhoff, 1976

76-764 Maps showing mines, mineralization and alteration in the Tortolita
Mountains quadrangle, ARIZONA, by M.G.Banks, R.D.Dockter and
J.A.Briskley, 1976.

77-403 Listing of analytical results for rock, stream-sediment, water
and algae samples; calculated minimum thermal-reservoir temper-
atures; and the statistical summary of the analytical results
for rock and stream-sediment samples, Charles Sheldon Wilderness
Study Area, Humbolt and Washoe Counties, NEVADA, and Lake County,
OREGON, by J.B.Cathrall, E.F.Cooley, T.M.Billings, R.J.Smith,
G.L.Crenshaw and M.L.Marchitti, 1977.

May 1977

PUBLICATIONS RECEIVED (continued)

MEXICO

Ph.D Dissertation: The Geochemical Environment of Ore Deposition in the Pachuca-Real Del Monte District, Hidalgo, Mexico, by J.E.Drier, 1976.

Journal of Research: May-June 1977 - Vol.5, No.3

Economic Geology: May 1977 - Vol.72, No.3

MORE MISCELLANEOUS:

'Mission to Earth: Landsat Views the World' by NASA - 1976.

Modeling of Diatreme Emplacement by Fluidization, reprinted from "Physics and Chemistry of the Earth, Vol.9, by T.S.Woolsey, M.E.McCallum and S.A.Schumm, 1974.

June 1977.

JDS

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY

MISCELLANEOUS

Aerial Photography Summary Record System Catalog 2 (January 1977)
from the National Center (U.S. Geological Survey)

NOTE: There is now a separate section marked "Landsat" in the
Library (last isle on the right side of room)

ARIZONA

Arizona Statistical Review - (September 75 issue)

CALIFORNIA

Professional Paper 920: Metamorphism and Plutonism Around the
Middle and South Forks of the Feather River, California - 1976
by Anna Hietanen.

Geologic Guidebook to Southwestern Mojave Desert Region, California
(prepared for October 9/10, 1976 Field Trip (by South Coast Geological
Society.

Geology and Ore Deposits of the South-Central Calico Mountains,
by Alan Mayo, 1972

* map on attached sheet

NEVADA and NEW MEXICO

* maps on attached sheet

Geologic Quadrangle Maps

- ✓ GQ-1325. Geologic map of the Rhyolite Ridge quadrangle, Esmeralda County, NEVADA, by P. T. Robinson, J. H. Stewart, R. J. Moiola, and J. P. Albers. 1976 (1977). Lat $37^{\circ}45'$ to 38° , long $117^{\circ}45'$ to 118° . Scale 1:62,500 (1 inch = about 1 mile). Contour interval 80 feet. Sheet 27 by 37 inches. \$1.75.

Miscellaneous Field Studies Maps

623
✓ MF-823. Geologic map of Galisteo Creek area, Lamy to Canoncito, Santa Fe County, NEW MEXICO, by F. O. Booth III. 1977. Scale 1:12,000 (1 inch = 1,000 feet). Sheet 29 by 37 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.
JDS

MF-833. Preliminary generalized geologic map of the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 30 by 46 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-834. Mineral resource potential of the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 30 by 33 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-835-A. Geochemical and generalized geologic map showing distribution of iron in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-835-B. Geochemical and generalized geologic map showing distribution of copper in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-835-C. Geochemical and generalized geologic map showing distribution of lead in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-835-D. Geochemical and generalized geologic map showing distribution of zinc in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-835-E. Geochemical and generalized geologic map showing distribution of silver in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

MF-835-F. Geochemical and generalized geologic map showing distribution of molybdenum in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat $38^{\circ}37'30''$ to $38^{\circ}45'$, long 117° to $117^{\circ}07'30''$. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75¢. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

Miscellaneous Field Studies Maps-Continued

✓ MF-835-G. Geochemical and generalized geologic map showing distribution of antimony in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat 38°37'30" to 38°45', long 117° to 117°07'30". Scale 1:24,000 (1 inch = about 2,000 feet). Sheet 27 by 30 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

✓ MF-835-II. Geochemical and generalized geologic map showing distribution of arsenic in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat 38°37'30" to 38°45', long 117° to 117°07'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

✓ MF-835-I. Geochemical and generalized geologic map showing distribution of tungsten in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat 38°37'30" to 38°45', long 117° to 117°07'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

✓ MF-835-J. Geochemical and generalized geologic map showing distribution of barium in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat 38°37'30" to 38°45', long 117° to 117°07'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

✓ MF-835-K. Geochemical and generalized geologic map showing distribution of boron in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat 38°37'30" to 38°45', long 117° to 117°07'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

✓ MF-835-L. Geochemical and generalized geologic map showing distribution of potassium in the Round Mountain quadrangle, Nye County, NEVADA, by D. R. Shawe. 1977. Lat 38°37'30" to 38°45', long 117° to 117°07'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 27 by 30 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

✓ JDS MF-840. Geologic map of the Chinese Camp and Meccasin quadrangles, Tuolumne County, CALIFORNIA, by B. A. Morgan. 1976 (1977). Lat 37°45' to 37°52'30", long 120°15' to 120°30'. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 38 by 40 inches. 75c. NOTE: Because this map is preliminary and was printed in a very limited edition, no automatic distribution will be made.

JDS

July 1977.

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

MISCELLANEOUS

USGS Open File Reports:

- 77-216 Geochemical-exploration studies in the Coeur D'Alene district, Idaho and Montana, by G.B.Gott and J.B.Cathrall.
- 77-217 The Triassic chitistone limestone, Wrangell Mountains, Alaska, by A.K.Armstrong and E.M.MacKevett, Jr.

Table of contents only - "Proceedings of the First International Conference on the New Basement Tectonics, Salt Lake City, Utah - June 3-7, 1974" (Text available from the U of A Science Library upon request).

U.S.Bureau of Labor Statistics - "Wholesale Prices and Price Indexes, Data for April 1977".

ARIZONA

1977 Arizona Yearbook - A Guide to Government in Arizona.

Open File Reports:

- 77-343 Map of Arizona showing selected alluvial, structural, and geomorphic features, by M.E.Cooley.

Water-Resources Investigation (open-file report):

- 77-35 Maps showing ground-water conditions in northern part of Chinle area, Apache County, Arizona(1976), by G.W.Levings and C.D.Farrar.

CALIFORNIA

Map Sheet 36 Geology of the Southern Mother Lode, Tuolumne and Mariposa Counties, by J.R.Evans and O.E.Bowen, 1977

County Report 6 Mines and Mineral Resources of Shasta County, by P.A.Lydon and J.C.O'Brien, 1974.

Special Report 125 Mines and Mineral Deposits in Death Valley National Monument, by J.R.Evans and J.S.Rapp, 1976.

continued...

July 1977

NEW MEXICO

Open File Report:

77-324

Geological map of the Mogollon quadrangle, New Mexico, (Craton County), by J.C.Ratte, 1977.


Jan Hennig

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September 1977

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

MISCELLANEOUS

Open File 77-349 Characteristic Analysis of Geochemical Exploration Data, by J.M.Bothol, R.Sinding-Larsen, R.B.McCammon, and G.B.Gott.

Geochemical Exploration Methods for Mineral Deposits, by A.A.Beus and S.V.Grigorian (Moscow), 1975 (hard cover book)

→ Mineral Industry Costs, 1977, by the Northwest Mng. Association.

Catalogue Des Publications 1977 (de la France).

Abstract: Intrusive Fragmental Rocks Directly or Indirectly of Igneous Origin, by E.B.Mayo (date - ?) *Published in Asbestos Soc. News X 1974*

ARIZONA

Open File 77-500 Magmatic Behavior of Cu, S, Cl, F, and H₂O in Igneous Rocks Associated with the Ray Porphyry Copper Deposit, by Norman G. Banks, 1977.

Halogen Contents of Igneous Minerals as Indications of Magmatic Evolution of Rocks Associated with the Ray Porphyry Copper Deposit, by Norman G. Banks (taken from Journal of Research, Vol.4, No.1 - Jan/Feb'76)

Ph.D Dissertation: The Relationship of structure and alteration to some ore bodies in the Bisbee (Warren) District, Cochise County, by Thomas S. Nye, 1968.

Minerals Availability System, Arizona Asbestos (Arizona Dept. of Mineral Resources) June 25/76

New Spirit Asbestos Company Inc. --- An Investment Proposal, May 1977.

Groundwater Maps:

77-41 Conditions in the southern part of the Black Mesa area, Navajo, Apache, and Coconino Counties, 1976, by Gary W. Levings and C.D.Farrar.

77-44 Conditions in the Monument Valley and northern part of the Black Mesa areas, Navajo, Apache, and Coconino Counties, 1976, by G.W.Levings and C.D.Farrar.

CALIFORNIA

Open File 77-347 The Hydrothermal System of Long Valley Caldera, by M.L.Sorey, R.E.Lewis, and F.H.Olmsted

continued...

CALIFORNIA - continued

California Div. of Mines and Geology:

Special Report 115 Index to graduate theses & dissertations on
California geology, 1962 through 1972.

Geologic Data Map No.1: Fault map of California, with locations of
volcanoes, thermal springs, and thermal wells,
scale 1:750,000, compiled by C.W.Jennings, 1975.

Department of Water Resources Bulletins:

91-21 Water wells and springs in Ivanpah Valley, San Bernardino County,
January 1972.

143-7 Geothermal wastes and the water resources of the Salton Sea Area,
February 1970.

COLORADO

USGS Misc. Investigation Series:

I-973-A Map showing types of bedrock and surficial deposits in the Telluride
quadrangle, San Miguel, Ouray and San Juan Counties, by R.G.Luedke,
and W.S.Burbank, 1976.

I-762 Geologic map of the Lake City caldera area, western San Juan Mtns.,
SW Colorado, by P.W.Lipman, (date ?) 1975

NEVADA

Open File 77-356 Summary of the Geology and Physical Properties of the
Climax Stock, Nevada Test Site, by Florian Maldonado.

USGS Professional Paper:

867-C Tectonic events since early Paleozoic in the Carlin-Pinon Range
area, by J.F.Smith,Jr and K.B.Ketner, 1977.

USGS Bulletin:

1423 Geology of the Red Mountain mining district, Esmeralda County,
by W.J.Keith, 1977.

Nevada Bureau of Mines:

Bull.81 Radioactive Mineral Occurrences in Nevada, by L.J.Garside, 1973.

Miscellaneous Field Studies:

MF-563 Geochemical, aeromagnetic, and generalized geologic maps showing
distribution and abundance of Au and Ag, Brooks Spring quadrangle,
Humboldt County, by R.L.Erickson and S.P.Marsh, 1974.

GSA MC-14 Geologic map of the Humboldt Lopolith and surrounding terrane,
Nevada, by R.C.Speed, 1976.

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NEVADA - continued

Index to geological mapping of Nevada map, scale 1:750,000 and text, 1976 issue.

OREGON

Misc. Investigations Series:

I-902 Geologic map of Oregon, east of the 121st Meridian, by G.W.Walker, 1977.


Jan Hennig.

73rd Annual Meeting of the
Cordilleran Section

The Geological Society of America

Sacramento, California

April 1977

INDEX OF GUIDEBOOKS

- A. Paleozoic - Mesozoic Rocks of the Northern Sierra Nevada, G.C.Bond, M.Menzies, E.M.Moore, et al, 31 pages, 6 illustr.
- B. Geology of the Klamath Mountains, Northern California, Nancy Lindsley-Griffin, J.Curtis Kramer, 162 pages.
- C. Fieldtrip Guide to the Kings-Kaweah Suture, Southwestern Sierra Nevada Foothills, California, Jason B.Saleeby, U of C, 47 pages.
- D. Plate Tectonic History of the Yolla Bolly Junction, Northern California, M.C.Blake, Jr., & D.L.Jones, USGS, 14 pages, plus itinerary.
- E. Tectonics and Stratigraphy of the Calaveras Complex, Central Sierra Nevada Foothills, W.H.Wright III, & R.A.Schweickert, 17 pages.
- F. Geological Road Log for the California Mother Lode Country along Highway 49 between Mariposa and Grass Valley, C.C.Plummer, 13 pages.

NOTE: These papers are all bound together in one cover, and will be in the "GSA" section of the downstairs library.

JDS

December 1977

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED FOR THE LIBRARY:

MISCELLANEOUS:

Journal of Research - November/December 1977 - Vol.5, No.6

Thesis: Intrusive Fragmental Rocks Directly or Indirectly of Igneous Origin, by Evans B. Mayo (from FTG office, date - ?)

Article: "Exploration Philosophy", by Stanley W. Holmes (date - ?)

"Genesis of Mineral Deposits", by Brian J. Skinner and Paul B. Barton, Jr. - taken from Annual Review of Earth & Planetary Science, Vol.1, 1973.

Digest of Mining Claims Laws - compiled and edited by Robert G. Pruitt, Jr. Rocky Mountain Mineral Law Foundation (a copy kept in JHC secretary office).

Status of the Mineral Industries 1977, U.S.Bureau of Mines.

Webster's New Geographical Dictionary, 1972 edition - kept in NPW office.

Bureau of Mines,
Mineral Perspectives:

MP-1 Far East and South Asia, by K.P.Wang & staff.

MP-3 Mineral Industries of the People's Republic of China, July 1977.

Information Circular:

IC-8714r Assaying Ores, Concentrates, and Bullion, by H.H.Heady and K.G. Broadhead, 1977 (revision of IC-7695)

ARIZONA:

Report of Investigations: (Bureau of Mines)

RI-8236 In Situ Leaching Research in a Copper Deposit at the Emerald Isle Mine, Arizona 1977, by D.V.D'Andrea, et al.

CALIFORNIA:

Thesis: The Geology of a Portion of the Northern Warner Mountains, Modoc County, by P.W.Martz, 1968 (awaiting maps)

COLORADO:

Caldera-collapse breccias in the Western San Juan Mountains, by Peter W. Lipman, (taken from GSA Bulletin, October 1976).

NEVADA:

Abstract: East-west patterns of cenozoic igneous rocks, aeromagnetic anomalies, and mineral deposits, Nevada and Utah, by J.H.Stewart, Wm.J.Moore, and I.Zeitz, (taken from GSA Bull, January 1977, V.88)

Ph.D Dissertation:

Volcanic Geology of Santa Rosa Range, Humboldt County, by W.E.LeMasurier, June 1965.

Open File Report:

77-683 List of principal facts and gravity anomalies for an area between Orovada, Nevada and Adel, Oregon, by Donald Plouff.

Bureau of Mines: (Nevada)

Bull.88 Geology and mineral deposits of Lander County, Part I and II, 1977, by J.H.Stewart, E.H.McKee and H.K.Stager.

Map 57 Million-scale geologic map of Nevada, by J.H.Stewart and J.E.Carlson.

USGS Misc.Field Studies:

MF-563 Geochemical, Aeromagnetic, and generalized geologic maps showing distribution and abundance of gold and silver, Brooks Spring quadrangle, Humboldt County, by R.L.Erickson and S.P.March, 1974.

SOUTH AMERICA: (maps)

USGS Misc.Field Studies:

MF-868-A Geology of South America, scale 1:15,000,000, by Gus H. Goudarzi, 1977.

MF-868-C Pb-Zn Deposits, South America, scale 1:15,000,000, by Gus H. Goudarzi, 1977.

MF-868-F Cu Deposits, South America, scale 1:15,000,000, by Gus H. Goudarzi, 1977.

MF-868-G Precious Metals, South America, scale 1:15,000,000, by Gus H. Goudarzi, 1977.

ALSO:

Staff Report on Competition in the Sulfuric Acid Industry, Federal Trade Commission (Bureau of Economics - May 1977)

Mining and Mineral Operations in the Rocky Mountain States: A Visitor Guide, by Bureau of Mines State Liaison Officers, 1977.

THE FOLLOWING HAVE BEEN RECEIVED AND ARE IN LIBRARY

JDS

MISCELLANEOUS:**"Applied Earth Sciences" publications:**

- Review of knowledge of metalliferous brines and related deposits, by J.S.Tooms (1970) Vol.79
- A geological model for the genesis of the lead-zinc ores of the Mississippi Valley, USA, by J.J.Dozy (1970) Vol.79
- Chloride-rich brines from sabkha sediments and their possible role in ore formation, by P.R.Bush, (1970) Vol.79
- Stratigraphic habitat of Mississippi Valley type orebodies, by F.W.Beales and E.P.Onasick (1970) Vol.79
- Recent halite rock, Baja California, Mexico, by D.J.Shearman, (1970) Vol.79
- Methods of analysis of subsurface waters, by P.J.Moore, (1970) Vol.79
- Paper: Precipitation of lead-zinc ores in carbonate reservoirs as illustrated by Pine Point ore field, Canada, by F.W.Beales and S.A.Jackson, 1966 (Vol.75)

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Grand Junction Uranium Symposium - Dec.7/8, 1977, geologic summations given (from JDS)

Preliminary Study of the Uranium Favorability of Tertiary Rocks, SE Oregon; E.Klamath, Southern Lake, Hatney, and W.Malheur Counties, by E.H. Erikson and W.E.Curry, Nov.77.

AIME - Transactions, June 1976 - Vol.260, No.2

(Quarterly of the Colorado School of Mines) - "Effects of State Taxation on the Mining Industry in the Rocky Mountain States" by Glenn J.S.Lang, April 1977.

Bureau of Mines (Dept. Interior):

R.I.8231 - Directionally controlled drilling to horizontally intercept selected strata, Upper Freeport Coalbed, Greene County, Pennsylvania, by Wm.P.Diamond, et al, 1977.

Idaho Bureau of Mines:

Pamphlet 161 - Geology and ore deposits of Silver City-DeLamar-Flint region, Owyhee County, Idaho, by Arthur J.Pansze, Jr., December '75.

←

USGS:

Bulletin 1408 - New and refined methods of trace analysis useful in geochemical exploration, edited by F.N.Ward.

Open-File 77-142 - Summary of results of frictional sliding studies at confining pressures pu to 6.98 kb, in selected rock materials (author?).

USGS (cont'd):

Professional Paper 999 - Stillwater Complex, MONTANA: Rock Succession, Metamorphism, and Structure of the Complex and Adjacent Rocks, by N.J. Page, 1977.

Map MF-868-B - (2 copies) Cr, Mo, Sn, W, V Deposits, South America, scale 1:15,000,000, by G.H. Goudarzi, 1977.

"Arizona Mines - including SW New Mexico" 1956, from LA Chamber of Commerce (from JHC files)

Paper: (by CSIRO - Minerals Research Labs) "Chemical Ore Genesis Models for the Precipitation of Carnotite in Calcrete" by A.W. Mann, October 1974.

Book: "Exploration and Mining Geology" 1978, by Wm.C. Peters, (NPW may have)

ARIZONA

Thesis: "The Geology of the Cabeza Prieta Game Range" by H.L. Simmons, May 1965

Arizona Land Status and Ownership Determination, by John C. Lacy (small booklet)

Airborne Geophysical Survey, SE Arizona, GJO-1643, prepared for ERDA by Texas Instruments, 1975.

Water-Resources Investigation Maps: (open-file reports)

77-113 Ground-water conditions....Lower Verde River area, Maricopa, Yavapai and Gila Counties, 1976, by P.P. Ross.

77-106 Annual summary of ground-water conditions in Arizona, Spring 1976 to 1-77, by H.M. Babcock.

CALIFORNIA

Thesis: "The Geology and Geochemistry of Wilbur Springs, Quicksilver District, Colusa and Lake Counties, California (Stanford 1966) by A.N. Moisseff, 1932.

USGS:

Map MR-49 - Reported occurrences of selected minerals in the south third of California, by M.B. Smith, et al, 1974.

Map OM-215 - Oil and gas investigations, Distribution and configuration of basement rocks in California, 1964 by M.B. Smith.

COLORADO

Open File 77-706: Geochemical and mineralogy of the carbonates of the Creede Mining District, Colorado, by P.H. Wetlaufer, USGS.

Karst-Related Features and Controls on Ore Mineralization in the Leadville Formation, Central Colorado, by Jorge H. Posada, 1973 (~~JDS may have~~)

NEVADA

Thesis:

Late Cenozoic Sedimentation and Tectonic Development of Central Nevada,
K.S.Deffeyes, 1959.

Geology, Uranium Deposits and Uranium Favorability of the Hartford Hill Rhyolite
and Truckee Formation, SW Washoe County, Nevada, and E.Lassen County,
CALIFORNIA, (author, date?)

ERDA: Preliminary Study of Favorability for Uranium in Selected Areas in the
Basin and Range Province, Nevada, G.M.Cupp, et al, October 1974.

GSA Special Paper 178: Stratigraphy and Depositional History of the Star
Peak Group (Triassic), NW Nevada, by K.M.Nichols, N.J.Silberling,
1977.

Nev. Bureau of Mines:

Map 58 - Bouguer Gravity Map of Nevada - Reno sheet, by J.W.Erwin
and J.C.Berg, 1977.

Report 30 - An Index to the Drill Core and Cuttings in the Collection,
by J.H.Schilling, 1977 (Mackay School of Mines) (date?)

USGS:

Open-File Map
77-141 Geological map of S.Torbin Range, Pershing County, Nevada, by
D.B.Burke.

Map GQ-1099 - Geological map of Glass Mountain quadrangle, Mono County
California and Mineral County, Nevada, by K.B.Krauskopf and
P.C.Bateman, 1977.

THE FOLLOWING PUBLICATIONS HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

MISCELLANEOUS:

"Geochemical Transport & Kinetics", edited by A.W.Hofman, B.J.Giletti, H.S.Yoder, Jr., and R.A.Yund (hard-bound) -- papers presented at a conference at Airlie House, Virginia, June 1973.

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& Taylor
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"Physics and Chemistry of Minerals", edited by S.S.Hafner, A.S.Marfunin, and C.T.Prewitt, Vol.1, No.1, 1977.

"Recommendations on the Management of the National Wildlife Refuge System", February 1978.

"The FLuvial System", Short Course, March 1978 (Fort Collins, Colorado) (memo from JDS, w/attachments).

GSA Cordilleran Meeting, Paleozoic Symposium, Tempe, Arizona (memo from JDS, w/attachments) April 4, 1978.

Stanford Research Institute - Annual Report: "Development of a Computer-Based Consultant for Mineral Exploration", by R.O.Duda, et al October 1977.

Tucson Chamber of Commerce - Buyer's Guide and Membership Directory 1977-78.

AIME Preprints:

77-I-374 Literature Search as an Exploration Tool, by R.J.Lundin, 1977.

78-I-19 Quantitative Measurement of Wallrock Alteration in the Exploration of Buried Mineral Deposits, by D.M.Hausen, Newmont Exploration -- presented at 1978 AIME Annual Meeting in Denver, Feb.28-Mar.2, 1978.

Papers:

(A partial copy of) The Occurrence of Copper in Clays in Altered Plagioclase Phenocrysts, by E.M.Schern, May 1975.

The Concepts of Supergene vs Hypogene Emplacement of Uranium at Rabbit Lake Saskatchewan, Canada, by H.D.Knipping, Toronto (date?)

Abstracts:

Tellurium, A Guide to Mineral Deposits, by J.R.Watterson, et al (USGS) (date?)

Stratigraphy and Structure of La Encantala Mine Area, Coahuila, Mexico, by Gian Paolo Lozej and Frank Beales, University of Toronto (from GSA Bulletin, Dec.1977).

USGS:

PP.1015 Proceedings of the 1st Annual Wm.T.Pecora Memorial Symposium - October 1975, Sioux Falls, South Dakota.

MISCELLANEOUS (continued)

USGS (continued)

Open-File Reports:

- 77-526 Summary Proposals for Investigations of Techniques in Mineral Exploration Suited to the Special Needs of Tropical Regions, by R.L.Erickson.
- 77-556 Statistical Data Summaries, Mineral Industries of South American Countries, by G.L.Shaffer, March 1977.

ARIZONA

Thesis: Alteration and Mineralization, Silver Bell, Arizona, by P.F.Kerr and J.C.Playter, 1948 (maps are in folio - Drafting)

Water Resources Investigations:

- 78-15 Map showing ground-water conditions in the House Rock Area Coconino County, Arizona - 1976, by G.W.Levings and C.D. Farrar.

CALIFORNIA

California Div. of Mines:

County Report 8 Mines and Mineral Resources of Alpine County, by Wm. B.Clark, 1977.

The Geologic Map of California (scale 1:750,000) with topographic contours (rolled - 2 copies: FTG and Drafting office)

USGS:

PP.1027 Paleozoic-Mesozoic boundary in the Berry Creek quad., NW Sierra Nevada, California, by Anna Hietanen, 1977.

Bulletin 1436 Geology of the Yreka Quadrangle, Siskiyou County, by P.E. Hotz, 1977.

NEVADA

Nevada Bureau of Mines:

Bulletin 89 Geology and Mineral Deposits of Pershing County, by M.G. Johnson (of USGS), 1977.

USGS:

Bulletin 1394-E The Auld Lang Syne Group of Late Triassic and Jurassic(?) Age, North Central Nevada, by D.B.Burke and N.J.Silberling, 1973.

NEW MEXICO

New Mexico Bureau of Mines:

Bulletin 106 Bibliography of New Mexico Geology and Mineral Technology
1971-1975, by J.R.Wright and J.A.Russell, 1977.

Memoir 33 Geology of Albuquerque Basin, New Mexico, by V.C.Kelley, 1977.

Memoir 34 Fluorspar in New Mexico, by Wm.N.McAnulty, 1978.

A handwritten signature in cursive script, appearing to be 'Jm', located in the lower right quadrant of the page.

THE FOLLOWING PUBLICATIONS HAVE BEEN ENTERED INTO LIBRARY:

MISCELLANEOUS:

(Following from Doug Smith's library):

The Underlying Principles of the Limestone Replacement Deposits of the Mexican Province - I, by B.Prescott: E/MJ, Vol.122, No.7, p.246-253, 1926.

The Underlying Principles of the Limestone Replacement Deposits of the Mexican Province - II, by B.Prescott: E/MJ, Vol.122, No.8, p.289-296, 1926.

Lead-Zinc Chimneys in Limestone, by J.E.Spurr: E/MJ, Vol.122, No.8, p.296-298, 1926.

Mexico's Lead-Silver Manto Deposits and Their Origin, by A.R.Fletcher: E/MJ, Vol.127, No.13, p.509-513, 1929.

E/MJ - Operating Handbook of Mineral Surface Mining and Exploration (Volume 2), 1978

NW Mining Association - Service Directory (1977)

"Basic Procedures for Soil Sampling and Core Drilling", by W.L.Acker III, 1974.

"Paleozoic Paleogeography of the Western United States - Pacific Coast Paleogeography Symposium I", edited: J.H.Stewart, et al, April 22, 1977.

Thesis: - Arsenic as an Indirect Geochemical Guide to Epithermal Precious Metal Deposits, by D.H.Osborne, June 1963.

- Oxidation-Leaching, and Enrichment Zones of a Porphyry Copper Deposit -- A Mineralogic and Quantitative Chemical Study, by B.A.Koenig, 1978.

Bureau of Mines - Dept. of the Interior:

MCP-12 "Zinc", by V.A.Cammarota,Jr., May 1978.

MCP-14 "Aluminum", by J.W.Stamper & H.F.Kurtz, May 1978.

(MCP is "Mineral Commodity Profile)

USGS:

Circular 769: A Theoretical Basis for Exploration for Native Cu in Northern Wisconsin, by W.S.White , 1978.

ARIZONA

USGS: Maps

continued...

I-470 Geological map of the Benson quadrangle, Cochise and Pima Counties, by S.C.Creasey, 1967.

I-977 Geological map and sections of the Rincon Valley quadrangle, Pima County, by H.Drewes, 1977.

GQ-1391 Geological map of the Hayden quadrangle, Pinal & Gila Counties, by N.G.Banks & M.H.Krieger, 1977.

MF-909 Geology of Ninety-Six Hills NW, NE, SE, & SW quadrangles, (scale 1:62,500) 1976, by Yeend et al.

Professional Paper: (USGS)

PP 1008 Large landslides, composed of megabreccia, interbedded in Miocene basin deposits, SE Arizona, by M.H.Krieger, 1977.

U of A:

List of Available Publications (1977) Bureau of Geology & Mineral Technology.

Preliminary Map: Geothermal Energy Resources of Arizona, Geothermal Map No.1, compiled by W.R.Hahman, Sr., C.Stone, and J.C.Witcher, Feb.1978.

Sixth Annual Geoscience Daze Colloquim (at U of A), March 1-3, 1978.

Paper: "The Domestic Copper Industry - An Industry Under Seige", Wm.Dresher, (date?)

Thesis: "Chemical and Thermal Variations Accompanying Formation of Garnet Skarns near Patagonia", by T.L.Surles, June 1978.

Arizona Bureau of Mines:

Bulletin 182 Coal, Oil, Natural Gas, Helium, and Uranium in Arizona, by H.W.Pierce, S.B.Keith, and J.C.Wilt, 1970.

Bulletin 187 Index of Mining Properties in Cochise County, by S.Keith, 1973

Bulletin 189 " " " Pima County, by S.Keith, 1974

Bulletin 191 " " " Santa Cruz Co., " 1975

Bulletin 192 " " " Yuma County, " 1978

CALIFORNIA

Ca.Division of Mines:

Map Sheet 38 - Keeler quadrangle (15') by M.C.Stinson

Geologic Map Sheets (1:250,000) - Alturas
- Susanville

Open-File map 78-12 Geologic map of Yreka quadrangle and parts of the Fort Jones, Etna, and China Mountain quadrangles, (USGS) by P.E.Hotz.

Thesis: "Volcanogenic Massive Sulfides at Campo Seco (Calaveras Co.)",
by J.M.Schmidt, March 1978.

COLORADO

USGS:

Map Index to Topographical maps of Colorado - January 1977.

I-360	Geology of Moab quadrangle, by Williams, 1964
I-560	" LaJunta " by Scott, 1968
I-558	" Trinidad " by Johnson, 1969
I-629	" Cortez " by Haynes, 1972
I-944	" Lamar " by Sharp, 1976
I-972	" Graig " by Tweto, 1976

MF-760	Preliminary geologic map of Leadville quadrangle, Tweto 1976
MF-761	" " Montrose " "
MF-788	" " Colorado (1:500,000) "

MR-58 Map showing location and amount of metallic mineral production
in Colorado, by March and McQueen, 1974.

Bulletin 1434 Geology and mineral deposits of the Needle Mtns. District,
SW Colorado, by L.J.Schmitt and W.H.Raymond, 1977.

NEVADA

Nevada Bureau of Mines:

Report 31 Bibliography of Graduate Theses on Nevada Geology to 1976, by
Ira L.Lutsey.

USGS Professional Paper 798-C - Geology/Geochemistry of West Ore Body....
Copper Canyon Porphyry Copper Deposits, Lander Co., by
T.G.Theodore and D.W.Blake, 1978.

USGS GQ-1395 Geologic map of Boulder City, 15' quadrangle, Clark Co.,
by R.E.Anderson, 1977.

From NTIS: Nevada Mineral Exploration and Mine Development 1950-72,
University of Nevada, January 1976.

NEW MEXICO

USGS - maps:

MF-900-A Geology of the Hillsboro and San Lorenzo quads., 1:48,000,
by Hedlund, 1977.

MF-900-B Mineral Resources of the Hillsboro and San Lorenzo quads.,
by Hedlund, 1977.

New Mexico Geological Society:

Special Publication No.7 Field Guide to Selected Cauldrons and Mining
Districts of the Datil-Mogollon Volcanic Field,
1978.

NEW PUBLICATIONS

June 15 - July 12, 1978

MAPS:

USGS: GQ-1392, Geologic Map of the Lafayette Quad., Adams, Boulder and Jefferson Counties, Colorado

GQ-1401, Geologic Map of the Jones Hole Quad., Uinta County, Utah and Moffat County, Colorado (in Colorado file drawer)

GQ-1408, Geologic Map of Zenobia Peak Quad., Moffat County, Colorado

GSA: MC-22, Geologic Map of Part of the Spanish Peaks Dike System, South-Central Colorado (Filed as CO-16A)

USGS: OFR 73-285, Recon. Geologic Map of the Dillon 15' Quad., Grand, Summit and Eagle Counties, Colorado

OFR 73-286, Recon. Geologic Map of the Mt. Powell 15' Quad., Grand, Summit and Eagle Counties, Colorado

OFR 73-287, Recon. Geologic Map of the Mt. Elbert 15' Quad., Lake Chaffee, Pitkin Counties, Colorado

OFR 73-288, Recon. Geologic Map of the Ute Peak 15' Quad., Grand Summit Counties, Colorado

PUBLICATIONS:

USGS: Prof. Pap. 904, Cenozoic Rocks as Discussion to Accompany the Geologic Map of the U.S.

Prof. Pap. 1054A, Hydrothermal Alteration and Self-Sealing in Y-7 and Y-8 Drill Holes in Northern Part of Upper Geyser Basin, Yellowstone National Park, Wyoming

OFR 78-359, Uranium in Sedimentary Rocks, with Emphasis on Sandstone-type Deposits

OFR 78-383, Comparison of Rock & Soil Samples for Geochemical Mapping of 2 Porphyry Metal Systems.

OFR 78-388, Mahd adh Dhahab Precambrian Epithermal Au Deposit in Saudi Arabia

AIME: Tech. Publ. 154, Deposition of Ore in Pre-existing Limestone Caves,
1928

Tech. Publ. 442, Occurrence of Pb-Zn Ores in Dolomitic Limestone
in Northern Mexico, 1931

Beartooth Planning Group: Supply-Demand Analysis for Five Specific Metal
Commodities Located in the Stillwater Complex, South-
Central Montana.

Journal of Geochemical Exploration, 1976.

THE FOLLOWING PUBLICATIONS HAVE BEEN ENTERED INTO THE LIBRARY:

MISCELLANEOUS:

U.S. Bureau of Mines:

MCP-15 Iron and Steel - July 1978, by D.H.Desy.

MCP-16 Tin - July 1978, by K.L.Harris.

MCP-17 Iron Ore - May 1978, by F.L.Klinger

Submitted by WLK: (various papers)

"Report on Trip to Visit Some Australian Proterozoic Ore Deposits.....
May 1975", by F.R.Edmunds, August 1975.

"Field Trip No.1 - Lead/Zinc Deposits of SE British Colombia (GAC-SEG
Annual Meeting, Vancouver, 1977)", by F.R.Edmunds, et al.

"Sullivan Mine (Cominco Ltd.), Kimberly, B.C." (1973?)

Submitted by PGV: GSA - Abstracts with Programs (from 1973 to 1976)

Submitted by GJS: U.S.Bur.Mines, Computer Printouts re: "Minerals
Availability System" - AMS listing
(see attached sheet)

1978 AIME Annual Meeting, Denver, Colorado (February 28 to March 2, 1978)
(see attached list of Preprints)

SEPM Pacific Section (Short Course), Anaheim, California 1973,
"Turbidites and Deep Water Sedimentation"

Open File Reports:

78-314 Preliminary Structural and Mineralogical Analysis of the
Deer Trail Mtn - Alunite Ridge Mining Area, UTAH, by
C.G.Cunningham, T.A.Steven, and C.W.Naeser, 1978.

78-327 Mineral Resources of the Cabinet Mtns. Wilderness, Lincoln
and Sanders County, MONTANA, by D.A.Lindsey, et al, (maps
filed in drafting room), 1978.

PLEASE SEE ADDITIONAL SHEETS FOR LISTINGS OF Professional Papers, Bulletins,
Circulars, and miscellaneous maps received from the USGS.

ARIZONA:

USGS Water Resources Investigation Maps:

78-40 Maps showing ground-water conditions in western part of
Salt River Valley area, Maricopa County, by P.P.Ross, 1977.

ARIZONA (continued):

- 78-61 Maps showing ground-water conditions in eastern part of Salt River Valley area, Maricopa and Pinal Counties, by R.L.Laney, P.P.Ross, and G.R.Littin, 1977.
- 78-60 Maps showing ground-water conditions in the Willcox Area, Cochise and Graham Counties, by L.J.Mann, et al, 1977
- 78-62 Maps showing ground-water conditions in the Yuma Area, Yuma County, by D.W.Wilkins, 1975
- 78-83 Maps showing water-level declines, land subsidence, and earth fissures in south-central Arizona, by R.L.Laney, et al, June 1978.

Extract from June 1978 GSA Bulletin:

"Cenozoic stratigraphy and geological history of SW Arizona",
by L.D.Eberly and T.B.Stanley, Jr., (Exxon Company)

CALIFORNIA:

California Division of Mines & Geology:
County Report 7: Geology and Mineral Resources of Imperial County,
by P.K.Morton, 1977

NEVADA:

USGS:

Bulletin 1439 Studies related to wilderness areas -- Jarbridge Wilderness, Nevada, 1977, by R.R.Coats, R.C.Green, L.D.Cress, and L.Y.Marks.

Open-File Maps:

- 78-216 Preliminary geologic map of Cockalorum Wash quad., Nye and Eureka Counties, by R.K.Hose, 1978.
- 78-280 Aeromag map of northeastern Nevada.
- 78-281 " " east-central "

Open-File Report:

78-228 Geochemical Exploration for Gold Deposits at Goldfield, by R.P.Ashley, et al.

SEE ATTACHED SHEETS FOR OTHER MAPS.

U.S. Bureau of Mines

Western Field Operations Center (California & Nevada)

MINERALS AVAILABILITY SYSTEM
MINERAL INDUSTRY LOCATION SYSTEM
COMPUTER PRINTOUT

(AMS listing)

cf
San Diego

Needles

El Centro

Santa Ana

Kingman (California & Nevada)

Trona

San Bernardino

Death Valley (California & Nevada)

Salton Sea

(G.Stathis brought from California)

Presented at the 1978 AIME Annual Meeting, Denver, Colorado (February 28 to March 2, 1978)

Preprint Number	Name and Author
78-H-64	The Occurrence and Exploitation of Amphibole Asbestos in South Africa, C.J.B.Dreyer, Consulting Geologist.
78-H-69	Geology and Evaluation of the Asbestos Hill Orebody, R.V.Stewart, Ch.Geol.Engineer, Asbestos Corp.Limited, Montreal, Canada.
78-H-71	Exploration Forecasts and Exploitation Realities at the Woodsreef Mine, New South Wales, Australia, Barrie C. Butt, Expl.Geologist, Woodsreef Mines Limited, Australia.
78-H-84	The Pyke Asbestos Deposits, New Zealand, R.C.Babcock, Jr., V.P., Bear Creek Mining Co., Spokane, Washington.
78-H-103	The "Asbestos" Controversy, E.G.Hoover, National Crushed Stone Assoc., Washington, D.C.
78-I-19	Quantitative Measurement of Wallrock Alteration in the Exploration of Buried Mineral Deposits, D.M.Hausen, Newmont Exploration Limited, Connecticut.
78-I-41	The Green Mountain Copper Mine, An Unusual California Foothills Massive Sulfide Occurrence, J.W.Motter, Exploration Resources, Reno, Nevada.
78-I-49	The Bruce Mine - A Case for Metamorphic Remobilization of Precambrian Massive Sulfides, R.L.Clayton, Cyprus Mines Corp., Tucson, Arizona.
78-I-52	The Exploration and Development of Nickel Laterites, R.J. Weege, UOP Inc., Des Plaines, Illinois.
78-K-95	A Historical Review of the Relation of Gold to Money in the U.S. and Abroad, G.H.Willis, Department of the Treasury, Washington, D.C.
78-L-53	The Significance of Silver-Gold Ratios at the Tayoltita Mine, Durango, Mexico, D.M.Smith,Jr., ASARCO Incorporated, Tucson, Arizona.
Open-File Report 78-233	Geochemical anomalies and Isotopic ages in the Willow Creek mining district, southwestern Talkeetna Mtns., Alaska, March 1978.

Professional Papers:

- P 904. The Cenozoic rocks; a discussion to accompany the geologic map of the United States, by P. B. King and H. M. Beikman. 1978. 82 p. \$2.75.

The Cenozoic rocks represented on the geologic map of the United States are summarized. The stratified sedimentary rocks of marine and continental origin that are exposed at the surface are treated for each series, from Paleocene to Holocene. This is followed by a discussion of the volcanic rocks of the same ages, which are extensive in the Western United States. At the end is a brief summary of the intrusive rocks of Cenozoic age.

- P 1050. Geological Survey research 1977. 1977 (1978). 411 p. \$6.

A summary of the more significant research findings in mineral resources, water resources, engineering geology and hydrology, regional geology principles and processes, laboratory and field methods, topographic surveys and mappings, management of resources on public lands, land information and analysis, and investigations in other countries. Also contains lists of investigations in progress, cooperating agencies, and Geological Survey offices.

- P 1054-A. Hydrothermal alteration and self-sealing in Y-7 and Y-8 drill holes in northern part of Upper Geyser Basin, Yellowstone National Park, WYOMING, by T. E. C. Keith, D. E. White, and M. H. Beeson. 1978. p. A1-A26. \$1.40. (Hydrothermal studies in Yellowstone National Park, Wyoming.)

Two research drill holes penetrate originally similar stratigraphic sections consisting of obsidian-rich sand and gravel underlain by vitrophyric rhyolite and pumiceous tuff which have been and are being hydrothermally altered. Y-7 drill hole is outside the present local upflow system whereas Y-8 drill hole is directly involved with upflowing hydrothermal fluids. Differences in hydrothermal mineralogy and chemistry are correlated with original rock composition, temperatures, pressures, and compositions of the fluid phases.

Bulletin:

- B 1452. Thermodynamic properties of minerals and related substances at 298.15 K and 1 bar (15⁵ pascals) pressure and at higher temperatures, by R. A. Robie, B. S. Hemingway, and J. R. Fisher. 1978. 456 p. \$4.75.

Selected values for the entropy (S°), molar volume (v°), and for the enthalpy and Gibbs free energy of formation (ΔH_f° and ΔG_f°) are given for the elements, 133 oxides, and 212 other minerals and related substances at 298.15 K. For those materials for which high-temperature heat-capacity or heat-content data are also available ($H_f^\circ - H_{298}^\circ/T$, S_f° , $G_f^\circ - H_{298}^\circ/T$, C_p° , $\Delta H_{f,T}^\circ$, $\Delta G_{f,T}^\circ$, and $\log K_{f,T}$) are tabulated at 100-K intervals for temperatures up to 1,800 K.

Circulars:

- C 771: Worldwide directory of national earth-science agencies, compiled by W. E. Bergquist, R. L. Miller, A. L. Falk, and J. A. Tyskowski. 1978. 77 p. (Supersedes Circular 716.)

This directory lists, for 159 countries, national agencies that are engaged in geologic, hydrologic, cartographic, and regulatory earth-science operations.

- C 777. A guide to obtaining information from the USGS 1978, compiled by P. F. Clarke, H. E. Hodgson, and G. W. North. 1978. 36 p.

Information about the Nation's mineral, land, and water resources, collected and analyzed by the Geological Survey, is released in a variety of map, book, and other formats. This guide was prepared to assist in obtaining these information products and to aid in locating both general and specific unpublished information within the USGS.

Geologic Quadrangle Maps:

GQ-1391. Geologic map of the Hayden quadrangle, Pinal and Gila Counties, ARIZONA, by N. G. Banks and M. H. Krieger. 1977 (1978). Lat 33° to 33°07'30", long 110°45' to 110°52'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 33 by 44 inches. Accompanied by 15-page text. \$1.75.

The main physiographic feature is the Dripping Spring Mountains, which trend northwest-southeast through the center of the mapped area and consist of Precambrian schist, quartz monzonite, sedimentary rocks, and diabase; Paleozoic sedimentary rocks; Cretaceous volcanic rocks; and a wide variety of Cretaceous and Tertiary dikes and sills. Oligocene and Miocene sedimentary deposits occupy the basins northeast and southwest of the mountains. Text describes general geology, details of stratigraphy and petrology, structure, and mineral deposits and occurrences.

GQ-1442. Geologic map of the El Capitan Mountain quadrangle, Gila and Pinal Counties, ARIZONA, by H. R. Cornwall and M. H. Krieger. 1978. Lat 33°07'30" to 33°15', long 110°45' to 110°52'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 34 by 44 inches. \$1.75.

The El Capitan Mountain quadrangle is underlain by Precambrian granite, diabase, and clastic rocks, and Paleozoic limestone and dolomite. These rocks have been moderately to intensely deformed by steep normal and strike-slip faults and intruded by Mesozoic and Tertiary granodioritic plutons and rhyodacitic dikes. Intermontane basins contain Tertiary alluvial and lakebed deposits. Several gold, silver, and base-metal deposits occur in the quadrangle.

GQ-1394. Geologic map of the Black Canyon 15-minute quadrangle, Mohave County, ARIZONA, and Clark County, NEVADA, by R. E. Anderson. 1978. Lat 35°45' to 36°, long 114°30' to 114°45'. Scale 1:62,500 (1 inch = about 1 mile). Sheet 27 by 28 inches. \$1.75.

Miscellaneous Field Studies Maps:

MF-873. Map showing mineral exploration potential in the Death Valley quadrangle, CALIFORNIA and NEVADA, compiled by R. M. Smith. 1977. Lat 36° to 37°, long 116° to 118°. Scale 1:250,000 (1 inch = about 4 miles). Sheet 24 by 36 inches. 75¢. (Reprinted 1978.)

continued...

Miscellaneous Field Studies (continued):

- MF-900-C.** Map showing anomalous silver distribution in stream sediment concentrates, Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by H. V. Alminas, K. C. Watts, D. F. Siems, and V. E. Kraxberger. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 38 by 50 inches. 75¢.
- MF-900-E.** Map showing anomalous molybdenum distribution in stream sediment concentrates, Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by H. V. Alminas, K. C. Watts, D. F. Siems, and V. E. Kraxberger. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 38 by 50 inches. 75¢.
- MF-900-F.** Map showing anomalous zinc distribution in stream sediment concentrates, Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by H. V. Alminas, K. C. Watts, D. F. Siems, and V. E. Kraxberger. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 38 by 50 inches. 75¢.
- MF-900-G.** Interpretive geochemical map of the Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by H. V. Alminas and K. C. Watts. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 38 by 50 inches. 75¢.
- MF-900-I.** Map showing anomalous tungsten and gold distribution in stream sediment concentrates, Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by K. C. Watts, H. V. Alminas, J. M. Nishi, and W. C. Crim. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 42 by 50 inches. 75¢.
- MF-900-J.** Map showing anomalous lead distribution in stream sediment concentrates, Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by K. C. Watts, H. V. Alminas, J. M. Nishi, and W. C. Crim. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 41 by 50 inches. 75¢.
- MF-900-K.** Map showing anomalous bismuth distribution in stream sediment concentrates, Hillsboro and San Lorenzo quadrangles, exclusive of the Black Range Primitive Area, Sierra and Grant Counties, NEW MEXICO, by K. C. Watts, H. V. Alminas, J. M. Nishi, and W. C. Crim. 1978. Lat 32°45' to 33°, long 107°30' to 108°. Scale 1:48,000 (1 inch = 4,000 feet). Sheet 42 by 50 inches. 75¢.
- MF-924.** Geologic map of the Coyote Peak and Brockman quadrangles, Hidalgo and Grant Counties, NEW MEXICO, by C. H. Thorman. 1977 (1978). Lat 32° to 32°07'30", long 108°22'30" to 108°37'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 35 by 58 inches. 75¢.

THE FOLLOWING PUBLICATIONS HAVE BEEN ENTERED INTO THE LIBRARY:MISCELLANEOUS:

U. S. Bureau of Mines: (Mineral Commodities Profiles)

MCP-17 Stone, by A.H.Reed, July 1978.
 -18 Titanium, by L.E.Lynd, August 1978.
 -19 Vermiculite, by C.M.Patterson, August 1978.
 -20 Fluorine, by C.K.Quan, August 1978.
 -22 Platinum, by J.H.Jolly, September 1978.
 -24 Silver, by H.J.Drake, September 1978.

Thesis: "Fluid Inclusion Studies of the Tayoltita Mine and Related Areas, Durango, Mexico", by Dawn Albinson, December 1978.

"Model for the Distribution of Selected Metal Provinces in a Cordilleran-Type Plate-Tectonic Regime and Its Comparison with Northern Mexico", by Douglas M. Smith, Jr. October 1973.

Theses (list) of the Mackay School of Mines, University of Nevada - Reno (June 15, 1978)

"Wrigglite", or swirly layered structure, (papers from H.C.Williamson, Asarco Australia, 1978) (Literature Search)

"Uranium in Volcanic Environments in the Great Basin", July 1978 (from the Department of Energy)

"Control Leveling" - from National Geodetic Survey NOAA Technical Report NOS 73 NGS 8, May 1978 (sponsored by U.S.Dept.of Commerce).

State of Oregon - Bulletin 95: "North American Ophiolites", edited by R.G.Coleman and W.P.Irwin of USGS, 1977.

IAGOD - 5th Symposium, Snowbird, Utah, August 1978 - notes (via JDS)

USGS:

Professional Paper 1033 "The Structure of the Olympic Mountains, Washington -- Analysis of a Subduction Zone", by R.W.Tabor and W.M.Cady, 1978.

Open-File 78-701 "Short Papers of the Fourth International Conference, Geochronology, Cosmochronology, Isotope Geology, 1978," edited by R.E.Zartman. *Nothing in file.*

ARIZONA:

Arizona Dept. of Mineral Resources (from RBC office):

Mineral Report 1 Arizona Zeolites, 1978 (no author listed)
 " " 2 Arizona Industrial Minerals, by E.A.Elevatorski, 1978
 Special Report 1 Uranium - A Prospector's Guide, by K.A.Phillips and M.N.Greeley, 1978

ARIZONA (continued):

USGS: Open-File Reports

- 78-566 Gravity stations.....Superstition Mountains, by J.C.Wynn and S.A.Manydeeds
- 78-468 Mineral Mountain 7.5 quadrangle map, by T.G.Theodore (in drafting office)

USGS Maps - MF Series:

- | | | | | |
|--------|---------------------|-------------------|-----------------|------|
| MF-931 | Reconnaissance..... | Vekol Mtns. quad, | scale 1:62,500, | 1978 |
| MF-934 | " | Silver Reef Mtns. | " | " |
| MF-935 | " | Santa Rosa Mtns. | " | " |
| MF-939 | " | Jackson Mtn. | " | " |

CALIFORNIA:

USGS Open-File Map:

- 78-523 Walker Lake 1° x 2° quadrangle, scale 1:250,000.
- GQ-1399 Geologic map of the Marion Peak quadrangle, Fresno Co., by J.G.Moore, 1978.

COLORADO/WYOMING:

Geological Survey of Wyoming

- Report of Investigation No.12 - "Diamond in State-Line Kimerlite Diatremes, Albany County, Wyoming, Larimer County, Colorado," by M.E.McCallum and C.D.Mabarak, Sept.1976.

NEVADA:

- Nevada Collection of Maps and Aerial Photos, by Mary B. Ansari (1976) (this is a booklet) - Camp Nevada Monograph No.2

- Buckskin Mine, Douglas County, Lion Hill Mines Data, by J.D.Williams, March 1978 (brought in by GJS)

Nevada Bureau of Mines:

- Report 32 Guidebook to Mineral Deposits of the Central Great Basin, edited by D.R.Shawe, 1978.

USGS Open-File Reports:

- 78-376 Roberts Creek Mtn. quadrangle map, scale 1:31,250
- 78-407 Dun Glen quadrangle, scale 1:48,000

USGS Maps:

- I-1041 Geologic map of Tertiary rocks, Lincoln Co., by E.B.Ekren et al, 1977

NEVADA (continued):

GQ-1407 Goldrun Creek, Humboldt County, scale 1:24,000, 1978

MF-930 Sources of Data for Geologic Maps of Nevada, (Stewart and Carlson 1978.

NEW MEXICO:

USGS Map
MF-900-D Copper in Stream Sediments, Hillsboro and San Lorenzo quads,
Sierra and Grant Counties, New Mexico, by Alminas et al, 1978.

UTAH:

Open-File
78-114 Mineral Potential of Altered Rocks near Blawn Mountain,
Wah Wah Range, by D.A.Lindsey and L.M.Osmonson.

THE FOLLOWING HAVE BEEN RECEIVED AND ARE IN THE LIBRARY: JDSMISCELLANEOUS:

Programs & Abstracts - (IAGOD) 5th Symposium, August 1978
Snowbird, Utah

Mineral Commodities Profiles:

- MCP-21 Tungsten, by B.A.Hornhauser and P.T.Stafford, Sept.1978
MCP-23 Sand & Gravel, by J.R.Evans, Sept.1978
MCP-25 Gold, by W.C.Butterman, October 1978

Paper: Single Stage vs Two Stage Ore Deposition in Subduction-Related Volcanoplutonic Arcs, by F.J.Sawkins, U of Wisconsin (presented at IAGOD meeting, summer 1978).

Theses: Predicting Fragmentation Characteristics of a Block Caving Orebody, by D.H.White, 1977.

A Study of the Carbonate Rocks from Mt.Isa, Queensland, Australia, by D.G.Carlile, 1977.

Exploration and Mining Geology, by Wm.C.Peters, 1978 (circulated December 1978).

Mineral Leasing as an Instrument of Public Policy, edited by M.Crommelin and A.R.Thompson, 1978 (paperback)

Uranium Geology & Exploration, by R.H.DeVoto, March 1978 (from The Colorado School of Mines and Geology)

ck
AAPG Reprint No.10 Facies and the Reconstruction of Environments (8 selections)

American Assoc. of Petroleum Geologists:

Memoir 27 Carbonate Rock Constituents, Textures, Cements, and Porosities, by Peter A. Scholle, 1978.

U.S.Bureau of Mines:

IC 8654 The Bureau of Mines Minerals Availability System and Resource Classification Manuel, by Staff 1974.

Open-File Report 78-791 Unprospected Zone of Pyrite Alteration in West-Central Utah, by Morris.

USGS Map:

MF-202 Geologic map of part of Beaver quadrangle, Utah, by E.Callaghan and R.L.Parker, 1961.

ARIZONA:

Open-File Reports:

76-262 Middle Tertiary Plutonism in the Santa Catalina and Tortolita Mountains, by S.C.Creasey, et al.

ARIZONA: (continued)

78-596 Mineral Resources of Rincon Wilderness Study Area, Pima County, by Thorman, Drewes and Lane.

USGS:

Bulletin 1278-D Geochem Exploration Techniques Based on Distribution of Selected Elements in Rocks, Soils, and Plants, Mineral Butte Copper Deposit, Pinal County, by M.A. Chaffee, 1976.

ck
Map I-1003 Geology, Structure, and Uranium Deposits of the Marble Canyon 1°x2° quadrangle, Arizona, by D.D.Haynes and R.J.Hackman, 1978.

CALIFORNIA:

Open-File

ck
78-670 Preliminary geologic map of Las Vegas 1°x2° quadrangle, Nevada, Arizona and California, by Bohannon.

COLORADO:

USGS:

Map GQ-291 Geology of the Iron-ton quadrangle, by W.S.Burbank, and R.G.Luedke, 1964.

Professional Paper 988-A,B Uranium in Phosphate Rock, and Uranium and Vanadium Resources in Moab 1°x2° quad., Utah and Colorado, by A.P.Butler et al, 1978.

Colorado School of Mines - Catalogue of Thesis Maps
(note: we are now on their mailing list for future supplementals...)

NEVADA:

Open-Files:

78-670 (As above) - under CALIFORNIA)

78-790 Geochem analyses of rock and soil samples, Eureka Mining District and vicinity, Eureka and White Pine Counties, by Chaffee et al.

MS Thesis: Guides to Exploration in the Sierra Nevada Tungsten Province, by J.V.Tingley, U of Nevada, June 1963.

NEW MEXICO:

NM Bureau of Mines:

Circular 158: Geology of Central Peloncillo Mtns., Hidalgo Co., by A.K.Armstrong et al, 1978.

1979

JDS

THE FOLLOWING PUBLICATIONS HAVE BEEN ENTERED INTO THE LIBRARY:

MISCELLANEOUS:

→ Conceptual Models in Exploration Geochemistry (copied from "Journal of Geochemical Exploration", Special Issue, Vol.9, No.2/3, 1978)

Abstracts of papers delivered at The 7th International Geochemical Exploration Symposium (Association of Exploration Geologists), April 17-19, 1978, Golden, Colorado.

MCP-26 Cement, by Wm.B.Hall and R.E.Ela, November 1978
(Mineral (U.S.Bureau of Mines)
Comodity
Profile)

USGS Professional Paper
1076-A World nonbauxite aluminum resources - Alunite, by R.B.Hall, 1978.

USGS Bulletin
1394-A Changes in Stratigraphic Nomenclature by the U.S.Geological Survey, 1972.

Open-File Report
78-861 Map of Oregon: RARE II mineral potential.

ARIZONA:

→ USGS Maps:
MF-937 Quijotoa Mtns quad., Pima County, by J.J.Rutuba, et al, 1978, 1:62,500.

→ MF-964 Reconnaissance geologic map of Comobabi quad., Pima Co., scale 1:62,500, 1978

→ MF-965 " " " " Gu Achi quad., Pima Co.,
" " " "

→ MF-990 Reconnaissance geologic map of Eloy quad, 1:62,500, 1978.

(Note: MF-975 - Maps showing potential in Needles 1° x 2° quad., Ca/Az, 1:125,000 - was requested, but not yet available. We are asked to re-order in six months...)

Water Resources Investigations
78-144 Annual Summary of Ground-Water Conditions in Arizona, Spring 1977 to Spring 1978, by USGS, Nov.1978.

→ Open-File Reports:
78-860 Map... base- and precious-metal resource appraisal, Arizona. By USGS, 1978.

→ 78-547 Prelim. reconnaissance bedrock geologic map of Casa Grande Mtns. quad., Pinal County, by Berquist, et al, 1978.

CALIFORNIA:

USGS Map

GP-918 Aeromagnetic and generalized geologic map, by M.C.Blake, et al,
1:1,000,000, 1978.

Open-File Report:

78-895 RARE II areas, California, for platinum, chromium, nickel,
copper, lead, zinc, gold, silver, tungsten, molybdenum, iron,
manganese, and mercury, by J.P.Albers.

California Bureau of Mines:

MS-31 Geology of the Willow Creek quad., Humboldt and Trinity Counties,
by J.C.Young, scale 1:62,500, 1978.

COLORADO:

Professional Paper

1017 Ore deposits of the Gilman District, Eagle County, by T.S.Lovering,
et al, 1978.

NEVADA:

Nevada Bureau of Mines:

Map 60 Geological map of the Schurz quadrangle, by E.C.Bingler, 1978.

USGS map:

MF-992 Dun Glen quadrangle, Pershing County, scale 1:125,000.

Open-File Reports:

78-585 ...Battle Mtn-Eureka, using Landsat images, by D.M.Krohn, et al.

78-695 Composite aeromag map of Nevada, by R.A.Sweeney, et al.

78-841 Tonopah mining district, Nye & Esmeralda Counties, (Silberman et al)

78-877 Map of Nevada....RARE II areas, by Stager et al.

78-915 Map....Luning NE quad., Mineral and Nye Counties, 1:48,000 (E.B.Ekren
et al)

78-916 " " NW quad., " " " " "

78-917 " " SW quad., " " " " "

78-918 " " SE quad., " " " " "

78-926 Relation of Mercury, Uranium, and Lithium Deposits to the McDermitt
Caldera Complex, Nevada-Oregon, by J.J.Rytuba, et al.

NEW MEXICO:

1978 International Symposium on the Rio Grande Rift (Program & Abstracts),
October 8-17, 1978 (from the Los Alamos Scientific Laboratory).

NEW MEXICO (continued)

Open-File Report

- 78-859 Map...RARE II proposed roadless areas, by Maxwell.
- 78-607 ...map of Socorro 1° x 2° quadrangle, Central New Mexico, by M.M.Machete.

UTAH:

USGS Map:

- MF-962 Sevier SW quadrangle., by T.A.Steven, 1:24,000, 1978.

Open-File Reports:

- 78-914 map.....RARE II proposed roadless areas, Utah, by Bromfield.
- 78-866 map.....Utah.....RARE II areas, by Hooker, et al.
- 78-705map of Delta 2° quadrangle, West-Central Utah, by H.T.Morris.
- 78-602map of Richfield 1° x 2° quadrangle, by T.A.Steven, et al.

JDS

March - April 1979

THE FOLLOWING HAVE BEEN RECEIVED AND ARE IN THE LIBRARY:

MISCELLANEOUS:

Mineral Commodities Profiles (MCP):

MCP Update "Phosphate" by W.F.Stowasser, January 1979 (update of a May 1977 issue).

"Barite", by R.J.DeFilippo, February 1979.

"Silicon", by F.J.Schottman, February 1979.

USGS Open-File Report:

78-986 A magnesium correction for the Na-K-Ca geothermometer, by R.O.Fournier, et al.

Bulletin (USGS)

1421-B Thermodynamic Properties of the Coexisting Phases and Thermochemical Properties of the NaCl Component in Boiling NaCl Solutions, by J.L.Haas, 1976.

Professional Paper (USGS)

907-E The Potential for Porphyry Copper-Moly Deposits in the Eastern United States, by R.G.Schmidt, 1978.

National Geodetic Network: Status of Vertical Control and Status of Horizontal Control of the United States - October 1, 1978 (2 maps), from the U.S. Dept. of Commerce.

7th Annual Geoscience Colloquim, Dept. of Geosciences, Univ. of Arizona (March 28-30, 1979).

Formation of Uranium Ores by Diagenesis of Volcanic Sediments, by C.D.Henry and A.W.Walton, Univ. of Texas, 1978.

Isotopic Composition of Lead in Mexican Mineral Deposits, by S.E.Kesler, Univ. of Toronto, and G.L.Cumming, Univ. of Alberta (1977).

Geology of the Thompson Creek Moly Deposit, Custer County, IDAHO, by E.A.Schmidt Cyprus Exploration (presented at 84th Annual Convention, N.W. Mining Assoc., Dec.2,1978)

Zinc-Lead-Barite Mineralization in Upper Paleozoic Marine Sedimentary Rocks at the Red Dog Deposit, Delong Mtns, ALASKA, by J.T.Plahuta et al, (Cominco) Dec. 1978.

Geology of the Sun Volcanogenic Massive Sulphide Deposit, Ambler District, ALASKA, by C.D.Marrs, et al (date?)

"Field Permeability Test Methods with Application to Solution Mining," Woodward-Clyde Consultants, Report 13719 (A final report of BuMines Contract J0265045), Aug.1977, 180 pages

ARIZONA:

Open-File
78-1096

Preliminary geologic map of Ajo 1° x 2° quadrangle, by K.Kalhe, et al (scale 1:250,000)

Thesis:

"The Geologic and Mineral Deposits of the Silver District, Trigo Mountains, Yuma County, Arizona," by Frank Z. Parker, August 1966.

CALIFORNIA:

Open File
76-274

Preliminary Aeromag map of the Nevada City quadrangle, California.

COLORADO:

USGS

Bulletin 1420

La Garita Wilderness, by T.A.Steven, C.L.Beiniewski, G.P.Eaton, 1977.

Professional Paper

956

Geology of the Minturn 15-minute quadrangle, Eagle and Summit Counties, by O.Tweto and T.S.Lovering, 1977.

NEVADA:

Nevada Bur. of Mines:

Map 48

Vya sheet (aeromag map) 1974.

USGS Bulletin

1423

Geology of the Red Mountain Mining District, Esmeralda County, by W.J.Keith, 1977.

1457-D

Abandonment of the Name Hartford Hill Rhyolite Tuff and Adoption of New Formation Names for Middle Tertiary Ash-Flow Tuffs in the Carson City - Silver City Area, Nevada, by E.C.Bingler, 1978.

Professional Papers:

458-C

Hydrology, Activity, and Heat Flow of the Steamboat Springs Thermal System, Washoe County, by D.E.White, 1968.

1060

Deformation of the Roberts Mountains Allochthon in North-Central Nevada, by J.G.Evans and T.G.Theodore, 1978.

Open-File

78-1002

Mineral resources of the Charles Sheldon Wilderness Study area, Humboldt and Washoe Counties, NEVADA, and Lake and Harney Counties, OREGON, by J.B.Cathrall et al.

Maps:

I-1028

Geologic map of the Carlin-Pinon Range area, Elko and Eureka Counties, Nevada, by J.F.Smith, and K.B.Ketner, 1978.

NEVADA: (continued)

Maps (continued)

GP-922 Aeromag map of Nevada, Color-Coded Intensities, by I. Zeitz, F.P. Gilbert, and J.R. Kirby, 1978.

NEW MEXICO:

Open-File

78-964 Summary of geologic and resources of uranium in the San Juan Basin and adjacent region, NEW MEXICO, Arizona, Utah, and Colorado, by J.L. Ridgley, et al. (this will be added to "New Mexico" section of Library)

USGS Maps:

I-1151 Geologic map - Gary and Lordsburg quadrangles, Hidalgo County, N.M., by C.H. Thorman and H. Drewes. 1978.

MF-1027 Anomaly patterns for Selected Metals in Heavy Mineral Concentrates and Ocalic Acid Residues, Dwyer Quadrangle, Grant and Luna Counties, by Watts, et al, 1975.

MF-1033 Geologic map of Soldiers Farewell Hill quad., scale 1:24,000, by Hedlund, 1978.

MF-1034 as above - Ninetysix Ranch quad.

MF-1035 " " - Gold Hill quad.

MF-1036 " " - Hurley East quad.

MF-1038 " " - Werney Hill quad.

MF-1039 " " - C-Bar Ranch quad.

IDAHO:

Open-File

78-1059 Geologic map of the Challis quadrangle, Custer County, scale 1:62,500, by D.H. McIntyre and S.W. Hobbs.

THE FOLLOWING PUBLICATIONS HAVE BEEN ENTERED INTO THE LIBRARY:MISCELLANEOUS:Mineral Commodity Profiles: (from Bureau of Mines)

Molybdenum, May 1979, by J.T.Kummer
 Cesium, May 1979, by K.L.Harris
 Rare Earths, May 1979, by C.M.Moore
 Nickel, May 1979, by N.A.Matthews
 Boron, May 1979, by S.T.Absalom
 Diamond-Industrial, June 1979, by W.Timothy Adams
 Rhenium, June 1979, by L.J.Alverson
 Antimony, June 1979, by J.A.Rathjen
 Tantalum, June 1979, by T.S.Jones

Paper: "Petrological Report on the Sulfide Zone of the Pueblo Viejo Mine Area, Dominican Republic," by Steven Catlin, 1978.

"Management of Fuel and Nonfuel Minerals in Federal Land," from the U.S. Office of Technology Assessment, April 1979.

"Statistical Data of the Uranium Industry," by USDOE/GJO, (GJO-100(79)) note - microfiche was substituted until paper copy was available (filed in microscope room).

Society of Mining Geologists of Japan:
 Mining Geology - Journal of the Society of Mining Geologists of Japan: Vol.28 (4), No.150
 Vol.28 (5), No.151

"Groundwater," by R.Allan Freeze and John A.Cherry, 1978. (Univ. of Waterloo, Ontario, Canada) (HGK has presently)

Selected Articles on Western Cascades - Gold, Oregon, 1977-1978.

Special Report No.6 - "Zoning and Financial Incentives for Reservation of Mineral Lands in Wisconsin, December 1976, (from the University of Wisconsin (WEX))

University of Wisconsin: Information Circulars

- No.16 Geology of the Upper Mississippi Valley Base-Metal District, 1970 (revised 1978), by A.V.Heyl, et al.
- No.23 Mineral Prospecting and Mining Transactions, by P.E.McKeever & J.Preston, March 1975.
- No.24 Model Mineral Reservation and Mine Zoning Ordinance, by J.Preston et al, Nov.1974.
- No.26 Mineral Resources, Mining, and Land-Use Planning in Wisconsin, by T.O.Fritz, Feb.1975.

MISCELLANEOUS: (continued)

GSA: Memoir 97 - Handbook of Physical Constants, edited by
S.P.Clark, Jr., 1966.

AIME: Annual Meeting, Programs (New Orleans, Feb.18-22,1979).

Preprint 72-I-79 "Geology and Geochemistry of the
Denali Prospect, Alaska," by C.Stevens
(Feb.20-24,1979).

U.S.G.S.:

Professional Paper 1035-A, "Principal Unconformities in Triassic
Jurassic Rocks, Western Interior U.S. -- A Preliminary
Survey," by G.N.Pipiringos and R.B.O'Sullivan, 1978.

Open-File Reports:

- 79-352 Preliminary Report on Orange & Gove Copper Mines, Strafford,
Vermont, by W.S.White, et al (1943).
- 79-353 Preliminary Report on Milan Mine, Coos County, New Hampshire,
by J.H.Eric (1943).
- 79-354 Memorandum on Mary Louise Copper Mine near Charlemont,
Massachusetts, by A.Quinn (1943)
- 79-355 Preliminary Report on the Berkshire Mine, Franklin County,
Vermont, by J.H.Eric (1943)

ARIZONA:

U.S.G.S. - Water Resources Investigations:

- 79-58 Map showing ground-water conditions in the Kaibato and
Tuba City Areas, Coconino & Navajo Counties, 1978, by
C.D.Farrar.
- 79-57 Map showing ground-water conditions in the Virgin River,
Grand Wash, and Shivwits Areas, Mohave County, 1976, by
G.W.Levings & C.D.Farrar.
- 79-56 Maps showing ground-water conditions in the Lower Santa
Cruz Area, Pinal, Pima and Maricopa Counties, 1977, by
A.D.Konieczki & C.S.English, (March 1979)

Map I-1091-A Map Showing Distribution, Composition, and Age of
Late Cenozoic Volcanic Centers in Arizona and
New Mexico, by R.G.Luedke & R.L.Smith, 1978.

Open File Report:

- 79-291 Mineral Resources of the Aravaipa Canyon Designated Wilder-
ness Area, Pinal and Graham Counties, by M.H.Krieger, et al.
Note: this is on microfiche - filed in Microscope Room.

CALIFORNIA:

California Division of Mines & Geology:

Special Report 130 Index to Geological Maps of California,
1969-75, by E.W.Kiessling & D.H.Peterson,
(1977)

U.S.G.S. Open-File Reports:

79-378 Computer-plotted map of chromium, copper, gold, lead,
manganese, silver, tungsten, and zinc deposits, Mariposa
County, (from CRIB)
Note: this is on microfiche - filed in Microscope Room.

79-436 Preliminary geologic map of Cenozoic deposits of Sutter
Creek quadrangle, California, by J.H.Bartow and D.E.
Marchand (2 sheets)

NEVADA:

U.S.G.S.

Map MF-138 Geological map of Clark County, by B.Bowyer,
E.H.Pampeyan, and G.R.Longwell, 1958.

Open-File Reports:

79-225 Preliminary geologic map of Mount Siegal quadrangle,
Nevada-California, by J.H.Stewart & D.C.Noble (Scale 1:62,500)

79-541 Uranium, Thorium, and Mercury Distribution Through the
Evolution of the McDermitt Caldera Complex, by J.J.Rytuba.

79-582 Age Control for the Latest Movements on the Melones Fault
Zone in the Sierra Nevada Foothills Belt from K-Ar Dates
for Late Tertiary Intrusions, by J.Alan Barstow.

The following reports filed in Drafting Office:

Regional Gravity and Magnetic Anomalies in part of Eureka
County, Nevada.

Aeromagnetic map of the Eureka Region, Eureka and White
Pine Counties.

Geologic and Total Intensity Aeromagnetic map in the
vicinity of Eureka, Nevada.

NEW MEXICO:

New Mexico Bureau of Mines:

Geologic Map 47 "Geology of Jarosa quadrangle, NM," by L.A.Woodward
and R.S.Timmer, 1979.

NEW MEXICO: (continued)

U.S.G.S. Maps:

- MF-1031 Geologic map of the White Signal quadrangle, Grant County, by Hedlund, 1978 (scale 1:24,000)
- MF-1037 Geologic map of the Tyrone quadrangle, by Hedlund, 1978 (scale 1:24,000)
- MF-1040 Geologic map of the Burro Peak quadrangle, by Hedlund, 1978 (scale 1:24,000)

UTAH:

U.S.G.S Maps:

- GQ-1493 Geologic map of Thermo 15' quadrangle, Beaver and Iron Counties, 1978, by P.D.Rowley.
- MF-635 Preliminary geologic map of Crystal Peak quadrangle, Millard County, by L.F.Hintze, 1974.
- MF-637 Preliminary geologic map of Wah Wah Summit quadrangle, Millard & Beaver Counties, by L.F.Hintze, 1974.

Open-File Reports:

- 79-434 Environments favorable for the occurrence of uranium within the Mt. Belknap caldera, Beaver Valley and Sevier River Valley, west-central Utah, by C.G.Cunningham and T.A.Stevens.

The following reports filed in Drafting Office:

- Aeromagnetic map of part of Richfield and Cedar City, scale 1:250,000 (1972)
- Aeromagnetic map of parts of Delta and Richfield, scale 1:250,000 (1972)

THE FOLLOWING HAVE BEEN ENTERED INTO THE LIBRARY:

MISCELLANEOUS:

MCP Series (reports) - from the U.S. Bureau of Mines

Manganese (update of Oct.77 issue), by G.L.Huff &
T.S.Jones, July 1979,
Clays, by S.G.Ampian, July 1979,
Asbestos, by R.A.Clifton, July 1979,
Cadmium, by J.M.Lucas, August 1979,
Bismuth, by J.F.Carlin,Jr., August 1979,
Beryllium, by B.Petkof, August 1979,
Perlite, by A.C.Meisinger, August 1979,
Copper, by H.J.Schroeder, September 1979,
Lithium, by R.H.Singleton, September 1979.

Bureau of Mines

R.I.8368 Carbon-in-pulp gold adsorption from cyanide leach slurries,
by Hussey, Salisburg, and Potter, 1979.

USGS

P.P.1038 Stillwater Complex, Montana - Structure, Mineralogy, and
Petrology of the Basal Zone with Emphasis on the occurrence
of Sulfides, by N.J.Page, 1979.

Maps

I-1090 Generalized geological map of the Coeur D'Alene District,
Idaho and Montana, by G.B.Gott and J.B.Cathrall, 1979.

Geologic Map Indexes for Arizona, Nevada, New Mexico, Utah, compiled by
W.L.McIntosh and M.F.Fisher, 1976, USGS.

Geological Society of America

Memoir 152 Cenozoic Tectonics and Regional Geophysics of the Western
Cordillera, 1978.

"The Potential for Using Geothermal Energy for Space Cooling at Williams
AFB, Arizona," by the U.S.Department of Energy, June 1979.

"Paragenesis and Geochem of the Granite Gold District, Grant County, Oregon,"
by J.S.Young, 1979 (MS Thesis)

"Theoretical and Practical Aspects of Uranium Geology," Series A, Vol.291,
No.1381 (a series of discussions of the Royal Society of
London, held Dec.7-8, 1977).

"Statistical Data of the Uranium Industry", January 1, 1979, by US Dept. of
Energy - Colorado office.

MISCELLANEOUS (continued)

Northwest Field Conference (September 1970) Road Logs, Salmo and Kootenay Lake Areas, B.C., - Society of Economic Geology.

(State of Washington - Bulletin 70 "Zinc and Lead Ore Deposits in Carbonate Rocks, Stevens County, Washington," by J.W.Mills, 1977. ~~4300~~

The 16th International Symposium - "Applications of Computers and Operations Research in the Mineral Industry," edited by T.J.O'Neil, 1979.

ARIZONA

Open-File Reports:

(79-390 Preliminary reconnaissance bedrock geologic map of the Casa Grande West quad., Pinal County, by J.R.Berquist and P.M.Blacet.

(79-391 Preliminary reconnaissance bedrock geologic map of the Casa Grande East quad, (same as above).

(79-716 Tertiary volcanic rocks of Mineral Mountain and Teapot Mtn. quads, Pinal County, by Wm.J.Keith and T.G.Theodore.

(79-775 Tectonic map of SE Arizona, by H.Drewe.

Water Resources Investigations:

79-1068 Maps showing ground-water conditions in the New River - Cave Creek Area, Maricopa and Yavapai Counties - 1977, by G.R.Litten (June'79)

79-1070 Maps showing ground-water conditions in the Kanab Area, Coconino and Mohave Counties, 1976, by G.W.Levings and C.D.Farrar (June'79)

79-1488 Maps showing ground-water conditions in the Bodaway Mesa Area, Coconino County - 1977, by C.D.Farrar, Sept.'79.

CALIFORNIA

Open-File Report:

79-584 Base- and Precious-Metal Occurrences along the San Andres Fault, Point Delgada, by R.J.McLaughlin et al.

Professional Paper

1086 Regional Metamorphism in the Condrey Mtn. quad., north-central Klamath Mtns., 1979, by P.E.Hotz.

Geologic Maps: scale 1:250,000

San Diego - El Centro sheet, 1962

Salton Sea sheet, 1967

San Bernardino sheet, 1969

Santa Ana sheet, 1966

Needles sheet, 1964

COLORADO

Open-File Report:

- 79-1093 Piocene intrusive Rocks and Mineralization near Rico, Colorado, by C.W.Naeser, et al.
- 79-1177 Mineralogy as a guide for exploration in the Montezuma District, central Colorado, by T.Botinelly.

NEW MEXICO

Open-File Reports:

- 79-657 Preliminary geologic map of Arroyo Del Agua quad., Rio Arriba County, by J.L.Ridgley.
- 79-708 Preliminary complete Bouguer gravity anomaly map of the Silver City 2^o sheet, NM and Az, by J.C.Wynn and D.A.Dansereau.
- 79-599 Geologic map and sections of the Crystal quad., San Juan and McKinley Counties, NM, by V.P.Byers.

USGS Map:

- MF-1076 Preliminary geologic map of the Burnham Trading Post quad., San Juan County, by Scott, O'Sullivan, and Heller, 1979.

NM Bureau of Mines:

- Resource Map 9 Mines, processing plants, and power plants in New Mexico, by W.T.Siemers and G.S.Austin, 1979.

NEVADA

Open-File Reports:

- 79-530 Metals in Devonian Kerogenous Marine Strata at Gibellini and Bisoni properties in S. Fish Creek Range, Eureka County, by G.A.Desborough et al.
- 79-764 Massive Zunyite Rock from Western Elko County, by R.R.Coats, et al.
- 79-769 Preliminary moly occurrence map of Nevada, by R.A.Leveque, et al.
- 79-960 Detection and mapping of hydrothermally altered rocks in the vicinity of the Comstock Lode, Virginia Range, by R.P.Ashley, et al.
- 53-12 Geologic map of the Golconda tungsten deposit, Humboldt County, by P.C.Bateman, 1953.

Professional Paper:

- 712-E Geochemistry of ground-water associated with Tuffaceous Rocks, Oasis Valley, Nevada, 1979, by A.F.White.

USGS Map

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- 79-9 New Directions for the NURE Program, by D.L.Everhart, NURE
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- 79-50 Mineralization Controls, Pine Point District, Northwest
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- 79-51 The Timing and Mechanisms of Formation of the Proterozoic
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- 79-88 Mineral Property Selection, Improvement and Disposition, How
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- 79-91 Geologic, Fluid Inclusion, and Stable Isotope Studies of the
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MF-1083 Blue Jay quad, by Berquist, scale 1:24,000, 1979.

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79-1145 Geologic map of Miller Mtn. and Columbus quads, Mineral and Esmeralda Counties.

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December 18, 1979

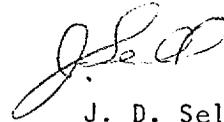
FILE MEMORANDUM

Geological Map of Eastern
Great Basin, Eastern Nevada
and Western Utah

A fall-out of the recent Great Basin Symposium field trip conducted by the Rocky Mountain Association of Geologists (RMAG) and the Utah Geological Association (UGA) was the general release of the 1:250,000 scale geologic map compilation of the Eastern Great Basin area. The three-sheet map (2 geology, 1 cross-section) appears to be an excellent compilation, editing, and printing undertaking. A copy is available, (filed in the drafting office).

The map was compiled by E.L.Howard, an oil geologist with extensive experience in the region and hence the grouping of sediments are somewhat arranged to fit their use, plus syncline, thrust fault, oil tests, dip and strike symbols etc., are an added feature.

The RMAG-UGA Symposium Guidebook is also in the library.



J. D. Sell

JDS:jlh

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- 79-1469 Road Log and Trip Guide to the Geology of the Northern Pinon Range and vicinity, North-Central Nevada, by K.B.Ketner & F.G.Poole.
- 79-1474 Aeromag map of Southern Nevada, by the USGS - 1979.
- 79-1244 Preliminary Report on the Geology and Geophysics of Drill Hole UE25a-1, Yucca Mountain, Nevada Test Site, by R.W.Spengler, et al, (MICROFICHE)

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Bulletin 1451 Gila Primitive Area and Gila Wilderness, by J.C.Ratte, et al, 1979.

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79-1507 Landsat Linear Feature Data of the Gallup-Grants Uranium District, New Mexico, by R.S.Zech & D.H.Knepper, Jr.

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 MF-1107 Monroe NW " " by Steven, 1979
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I-1177 Uranium in Central Mining Area, Marysvale District, West Central Utah, by C.G.Cunningham and T.A.Steven, 1979.

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- 79-1076 Preliminary Report on Tertiary Volcanism and Uranium Mineralization in
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- 79-1304 Evaluation of the Potential for Uranium and Other Mineral Resources of
the Deep Creek Mountains Withdrawal Area, Juab County, by R.A.Cadigan,
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- 79-1354 Possible Uranium Mineralization, Mineral Mountains, Utah, by W.R.Miller,
J.B.McHugh, & W.H.Ficklin.
- 79-1367 Aeromag map of the Richfield Area, by the USGS.
- 79-1471 Preliminary geologic map of the Milford quadrangle, Beaver County,
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1981

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Editor J. H. Schilling

Studies of the Base Metal Sulfide Deposits at McArthur River, Northern
territory, Australia: III. The Stable Isotope Geochemistry of the HVC,
Ridge, and Cooley Deposits.
Editors Rye and Williams

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Molybdenum

Perlite

A chapter from Mineral Facts and Problems, 1980 Edition.

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MF 1162-D Sierra Ancha Wilderness & Salome Study Area, AZ

MF 1162-E Geochemical Map of Minerals, Sierra Ancha Wilderness &
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Map 59 Geologic Map of the New Empire Quadrangle, by E.C. Bingler,
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Technical Information Center U.S. Dept. of Energy, Geothermal Energy Update-
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80-5293 Ontario: Geological Survey, Genesis of Archean, Volcanic-Hosted
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Edited by R. G. Roberts

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MF 1162-D Sierra Ancha Wilderness & Salome Study Area, AZ

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MF 1160-D Villalobos and Hamm-Mineral Resource Potential, Paiute
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- 80-1273 Selected Commodity Occurrence Maps for the Ophiolite Belts of the
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- 81-418 Map showing ground-water conditions in the Sacramento Valley Area, Mohave County, Arizona, by C. L. Pfaff and D. M. Clay, 1979.
- 80-1303 Compilation of Isotopic Ages within the Needles, Arizona and California, (paper & micro-fiche).

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GQ-1532 Geologic map of the Telescope Peak Quadrangle, California, by A. L. Albee, T. C. Labota, M. A. Lanphere and S. D. Mc Dowell, 1981.

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Mineralization, zoning and paragenesis of sulfide ores at the Ground Hog Mine, Central District, New Mexico, by Steven Allen Catlin, 1981, (4).

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C-176 Pennsylvania stratigraphy, petrography, and petroleum geology of Big Hatchet Peak section, Hidalgo County, New Mexico, by S. Thompson and A. D. Jacka, 1981.

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- 81-0097. Geology of the Carlin Gold Deposit, Nevada, by A. S. Sadtke, 1981, (221 p. and 7 plates).

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"The Nevada Mineral Industry-1980". by John Schilling, Special Publication MI-1980, (University of Nevada, Reno).

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Resource Map 12 Satellite photomap of New Mexico, 1981. Black and White lithograph at 1:1,000,000 scale of the mosaic compiled by the Agricultural Stabilization and Conservation Service of the U.S. Department of Agriculture.

Resource Map 13 Precambrian rocks of the southwestern U.S. and adjacent areas of Mexico, by Kent C. Condie, 1981, scale 1:1,500,000. Delineates precambrian outcrops in all or part of eight states and Mexico, includes reference list.

Geologic Map 50 Precambrian rocks of Red River Wheeler Peak Area, New Mexico, by Kent C. Condie, 1980, scale 1:48,000. This map covers an area bounded by Cabresto Creek drainage (north), Lucero Canyon (south), the escarpment of the Sangre de Cristo Mountains (west), and the Moreno Valley (east).

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- OFR 81-772 Geochemical data from Precambrian meta-iron-formation and related rocks of the Keystone Area, South Dakota, 1981, by William H. Raymond, 13p.
- OFR 81-920 Preliminary analysis of Arizona streamflow-data network for regional information, 1981, by P.L. Stiehr, 25p.
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- OFR 81-951 Geologic map of the Beaver 15 minute Quadrangle, Beaver County, Utah, 1981, by Michael N. Machette, et al, 11p., 1 sheet, scale 1:50,000.
- OFR 81-960 Analytical results for 78 ground-water samples from the Casa Grande vicinity, Arizona, 1981, by Walter H. Ficklin, 16p.
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March 22, 1982

To: All SWED Geologists
From: W. D. Payne
Subject: Two new articles for suggested reading from New York Office

The following two articles were recently received from F. T. Graybeal who suggested they be put on everyone's recommended reading list.

They are on the "new material" stand in the library where they will stay until put away, in about one month's time, in their proper location.

- 1) Goldie, R. and Bottrill, T. J., 1981, Seminar on Sea-Floor Hydrothermal Systems. Geoscience Canada, vol. 8, no. 3, p. 93-104. (To be filed under preprints - misc. by author.)
- 2) Campbell, I. H., et al., 1981, Rare Earth Elements in Felsic Volcanic Rocks Associated with Cu-Zn Massive Sulphide Mineralization. Ontario Geological Survey, Misc. Paper 98: Summary of Research 1980-1981, p. 45-53.

WDP/cg

cc: K. Sommers

Missing on Sierra Gorda Expedition
Supplement to Arizona and New Mexico
Compiled by Eberhard A. Schmidt. 1969

Alp listings:

Map.

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James D. Sell

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