BIBLIOGRAPHY OF GEOLOGY AND HYDROLOGY, SOUTHWESTERN NEW MEXICO

U.S. GEOLOGICAL SURVEY

WATER RESOURCES INVESTIGATIONS 80-20
The southwestern part of New Mexico is recognized as a source of abundant and varied natural resources. This bibliography of over 2,700 references concerned with geology, hydrology, chemistry, and geography has been compiled to assist physical science researchers in their study and development of this region.
BIBLIOGRAPHY OF GEOLOGY AND HYDROLOGY, SOUTHWESTERN NEW MEXICO

BY ANN FINLEY WRIGHT

U.S. GEOLOGICAL SURVEY

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### Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract</td>
<td>1</td>
</tr>
<tr>
<td>Introduction</td>
<td>1</td>
</tr>
<tr>
<td>Method of compilation</td>
<td>3</td>
</tr>
<tr>
<td>Acknowledgments</td>
<td>3</td>
</tr>
<tr>
<td>References</td>
<td>4</td>
</tr>
</tbody>
</table>

### Illustrations

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 1.—Map of the study area</td>
<td>2</td>
</tr>
</tbody>
</table>
Bibliography of geology and hydrology, southwestern New Mexico

by Ann Finley Wright

Abstract

The southwestern part of New Mexico is recognized as a source of abundant and varied natural resources. This bibliography of over 2,700 references concerned with geology, hydrology, chemistry, and geography has been compiled to assist physical science researchers in their study and development of this region.

Introduction

The southwestern part of New Mexico borders the State of Arizona to the west and the Republic of Mexico to the south. This study includes Catron, Dona Ana, Grant, Hidalgo, Lincoln, Luna, Otero, Sierra, and Socorro Counties (fig. 1). The region is an important source of natural resources, including water and mineral resources, wilderness areas, and geothermal potentials.

Because of the continuing interest in this region, a comprehensive listing of citations has been compiled. The bibliography contains over 2,700 references in geology, hydrology, chemistry, and geography, and will help avoid repetitious literature searches by those researching the area.

The citations are dated from 19th-century historical documents through December 1978 and are in English language only. The references are basically in the physical sciences with some representative historical, biological, and archaeological material included as background. The arrangement is by author or corporate author.

1
Figure 1.--Study area
Method of Compilation

The bibliographic citations were accumulated through manual searching with the help of the U.S. Geological Survey Libraries in Reston, Va., and Denver, Colo.; New Mexico State Library, Santa Fe; New Mexico State University Library and New Mexico Water Resources Research Institute, Las Cruces; New Mexico State Engineer Office, Santa Fe; and University of New Mexico, Albuquerque. Each reference was verified as to existence and availability.

Acknowledgments

Thanks are expressed to the following for their help in clarifying and confirming the materials presented here: University of New Mexico, Geology Department faculty and staff; New Mexico State University Library reference staff; and New Mexico Bureau of Mines and Mineral Resources, Technical Editor and staff.
References


Aldrich, M. J., Jr., 1972a, Igneous tectonics of a forcible intrusion; Hanover-Fierro pluton, Grant County, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 4, no. 5, p. 362.


Aldrich, M. J., Jr., 1974a, Santa Rita-Hanover axis, New Mexico; Laramide structure with a late Tertiary basin and range trend [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 5, p. 421.


——1976, Geology and flow directions of volcanic rocks of the North Star Mesa quadrangle, Grant County, New Mexico, in Cenozoic volcanism in southwestern New Mexico: New Mexico Geological Society Special Publication 5, p. 79-81.


Alfredo, Don, 1951, Apache tears and other mineral oddities from the Mogollon Mountains, New Mexico: Rocks and Minerals, v. 26, no. 3-4, p. 138-143.


Allen, E. I., 1955, El Paso and Albuquerque now are linked by this new 248-mile products line: Oil and Gas Journal, v. 54, no. 11, p. 123, 2 figs.


Allen, J. E., Jones, S. M., and others, 1951, Preliminary geologic map of the Capitan quadrangle, Lincoln County, New Mexico, in Guidebook of the Capitan-Carrizozo-Chupadera Mesa region, Lincoln and Socorro Counties, New Mexico: Roswell Geological Society, 5th Field Conference, map.


Allmendinger, R. J., 1974a, Source of ore-forming fluids at the Hansonburg mining district, central New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 7, p. 633.

———1974b, Source of ore-forming fluids at the Hansonburg mining district, central New Mexico [abs.]: Economic Geology, v. 69, no. 7, p. 1176.


———1975b, Map showing anomalous distribution of molybdenum, copper, and zinc in stream-sediment concentrates from the Sierra Cuchillo-Animas uplifts and adjacent areas, southwestern New Mexico: U.S. Geological Survey Miscellaneous Investigations Series I-882, 2 sheets.

———1975c, Map showing anomalous distribution of tungsten, fluorite, and silver in stream-sediment concentrates from the Sierra Cuchillo-Animas uplifts and adjacent areas, southwestern New Mexico: U.S. Geological Survey Miscellaneous Investigations Series I-880, 2 sheets.

Alminas, H. V., Watts, K. C., and Siems, D. L., 1972a, Maps showing fluorite distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-402, 3 sheets.

———1972b, Maps showing lead distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-398, 3 sheets.

———1972c, Maps showing molybdenum distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-399, 3 sheets.
Alminas, H. V., Watts, K. C., and Siems, D. L., 1972d, 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: U.S. Geological Survey Miscellaneous Field Studies Map MF-400, 3 sheets.

———1972e, Maps showing tungsten distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-401, 3 sheets.

———1973a, Maps showing barium distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-496, 3 sheets.

———1973b, Maps showing beryllium distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-498, 3 sheets.

———1973c, Maps showing tin distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-499, 3 sheets.

———1973d, Maps showing zinc and antimony distribution in the Winston and Chise quadrangles and in the west part of the Priest Tank quadrangle, Sierra County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-500, 3 sheets.


———1957c, Zircons from the Animas stock and associated rocks, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 5, no. 4, p. 24.


———1969b, Geological comparison of spacecraft and aircraft photographs of the Potrillo Mountains, New Mexico and Franklin Mountains, Texas, in 6th International Willow Run Laboratory remote sensing of environment symposium: University of Michigan, Ann Arbor, Willow Run Laboratories Proceedings, v. 1, p. 493-515.

Andersen, Carl, 1895, The Cooney mining district, Socorro County (now Catron County), New Mexico: Engineering Mining Journal, v. 59, p. 343-344.


———1951c, New Mexico metal and mining districts, production and trends: New Mexico Miner and Prospector, v. 13, no. 8, p. 8, 12.
References - Continued


Anderson, J. U., and Maker, H. J., 1974, Suitability of New Mexico lands for irrigation: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 276, 12 figs.


———1910b, Steeple Rock mining district, Grant County, New Mexico: South-Western Mines, v. 2, no. 5, p. 3-4.


———1943, Banner Mining Company, New Mexico: Mining World, v. 5, no. 8, p. 5-9.

———1950, Southwestern New Mexico fluor spar mines give promise of big industry: New Mexico Miner and Prospector, v. 11, no. 4, p. 10.

———1952a, Development of perlite at Socorro: New Mexico Miner, v. 14, no. 3, p. 4-5.


———1952c, Operation--metal mining and milling (Bayard mine): New Mexico Miner, v. 14, no. 5, p. 6-7, 21-22.


———1955a, Kennecott's Chino mines (Santa Rita): Sun Trails, v. 8, no. 4, p. 6-11.


———1958b, Why Chino Division (Santa Rita mine) treats mine roads (with road binder): Mining World, v. 20, no. 9, p. 38-41.

— 1959b, Uranium deposits in the Datil Mountains-Bear Mountains region, New Mexico, in Guidebook to west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 134-143.

— 1962, Santa Rita; new projects and equipment improve open pit mining operations: Mining World, v. 24, no. 12, p. 28-29.


— 1963b, Baca Formation in the area around Socorro, New Mexico, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 100-101.

— 1963c, Oil and gas in Socorro County, New Mexico, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 217-219.


Armstrong, A. K., 1959b, Mississippian system of west-central and southern New Mexico [abs.], in Guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 158.


———1963a, Biostratigraphy and paleontology of the Mississippian System, west-central New Mexico, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 112-122.


———1972b, Triclinic adularia from cavities in camptonite sills, Sacramento Mountains, Otero County, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 4, no. 4, p. 273.

———1973b, High-viscosity "conglomerate" channel deposits in Tertiary lamprophyre sill, Sacramento Mountains, New Mexico: Geology, v. 1, no. 4, p. 149-151, 4 figs.

———1973c, High-viscosity "conglomerate" channel deposits in Tertiary lamprophyre sill, Sacramento Mountains, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 5, no. 6, p. 537.


———1975, Late magmatic adularia from cavities in camptonite sills--Sacramento Mountains, Otero County, New Mexico: Texas Journal of Science, v. 26, no. 3-4, p. 331-338, 3 figs.


Babcock, J. S., 1953, The Hanover mine--mining operations: Mining Engineer, v. 5, no. 12, p. 1229-1230, 4 figs.

Bachman, G. O., 1954, Reconnaissance map of an area southeast of Sierra Blanca in Lincoln, Otero, and Chaves Counties, New Mexico, in Guidebook of southeastern New Mexico: New Mexico Geological Society, 5th Field Conference, p. 94B.


References - Continued


———1958b, Stratigraphy of upper Pennsylvanian and lower Permian rocks in the Sand Canyon area, Otero County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 6, no. 3, p. 77.


References - Continued


References - Continued


Ballance, W. C., 1962, Ground-water levels in New Mexico, 1961: New Mexico State Engineer Basic-Data Report, 130 p., 20 figs.

———1963, Ground-water levels in New Mexico, 1962: New Mexico State Engineer Basic-Data Report, 126 p., 20 figs.

———1965, Ground-water levels in New Mexico, and water levels in artesian wells in the Roswell area for a period of record, 1963: New Mexico State Engineer Basic-Data Report, 143 p., 27 figs.


Ballmann, D. L., 1960b, Geology of the Knight Peak area, Grant County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 2, no. 7, p. 4.


———1949a, Drilling and blasting twelve-inch blastholes at Chino, New Mexico: Mining Engineer, v. 1, no. 5, p. 24.


Beane, R. E., 1974a, Barite-fluorite-galena deposits in south-central New Mexico; a product of shallow intrusions, ground water, and epicontinental sediments [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 7, p. 646-647.

———1974b, Barite-fluorite-galena deposits in south-central New Mexico; a product of shallow intrusions, ground water, and epicontinental sediments [abs.]: Economic Geology, v. 69, no. 7, p. 1176.


Beane, R. E., Jaramillo, L. E., and Bloom, M. S., 1975, Geology and base metal mineralization of the southern Jarilla Mountains, Otero County, New Mexico, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 151-156.


———1952, New basic copper phosphate mineral from Santa Rita, New Mexico [abs.]: American Mineralogist, v. 37, no. 3-4, p. 292.


——1953, Pleonaste from the Caballo Mountains, New Mexico [abs.]: American Mineralogist, v. 38, no. 3-4, p. 329-330.


———1960, Intrusion and ore deposition in New Mexico: Economic Geology, v. 55, no. 6, p. 1244-1271, 16 figs.


———1957b, Petroleum exploration map of Dona Ana County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Exploration Map 17, periodically revised.
References - Continued


——1957e, Petroleum exploration map of Luna County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Exploration Map 22, periodically revised.


——1957g, Petroleum exploration map of Sierra County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Exploration Map 21, periodically revised.


——1955, Index of samples of oil and gas well tests in library at Socorro, New Mexico: New Mexico Bureau of Mines and Mineral Resources Circular 30, 24 p. [revised].


Bikerman, Michael, 1972, New K-Ar ages on volcanic rocks from Catron and Grant Counties, New Mexico: Isochron/West, no. 3, p. 9-12.

———1973, Cenozoic K-Ar dates on volcanic rocks from southwestern New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 54, no. 4, p. 496.


———1975, Geology and oil and gas potential of the northeast Otero Platform area, New Mexico, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 323-334, 3 figs.


Blake, W. P., 1894a, Alunogen and bauxite of New Mexico with notes on the geology of the upper Gila region [abs.]: American Geologist, v. 14, p. 196.


———1895a, Alunogen and bauxite of New Mexico with notes on the geology of the upper Gila region: American Institute of Mining Engineers Transactions, v. 24, p. 571-573.


26


Bloodgood, D. W., 1930, The ground water of the middle Rio Grande Valley and its relation to drainage: New Mexico State University, Las Cruces, Agricultural Experiment Station Bulletin 184, 60 p.


References - Continued


———1967, Geology and ground-water conditions adjacent to the San Francisco River near Pleasanton, Catron County, New Mexico: New Mexico State Engineer Open-File Report, 8 p.

References - Continued


Botkin, C. W., 1933, White Sands National Monument [abs.]: Pan-American Geologist, v. 60, no. 4, p. 304-305.


———1908a, Development of San Pedro Mountains, New Mexico: Mining World, v. 28, p. 1021-1024.
Brinsmade, R. B., 1908b, Mining and milling near Silver City, New Mexico: Mining World, v. 29, p. 947-950.


Brookins, D. G., 1974a, Preliminary radiometric age determinations from the Florida Mountains, New Mexico, in Guidebook to the geology of the Florida Mountains: El Paso Geological Society, 8th Field Conference, p. 47-56.

—1974b, Preliminary Rb-Sr study of igneous rocks of the Florida Mountains, New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 55, no. 4, p. 470-471.

—1974c, Radiometric age determinations from the Florida Mountains, New Mexico: Geology, v. 2, no. 11, p. 555-557, 2 figs.


Brookins, D. G., and Corbitt, L. L., 1974, Preliminary Rb-Sr study of igneous rocks of the Florida Mountains, New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 55, no. 4, p. 470-471.


Bruning, J. E., and Chapin, C. E., 1974, The Popotosa Formation—a Miocene record of basin and range deformation, Socorro County, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 5, p. 430.

Bryan, Kirk, 1926, Ground-water reconnaissance in Socorro County, New Mexico, in 7th biennial report, 1924-26: New Mexico State Engineer, p. 81-87.


———1932a, Pediments developed in basins with through drainage as illustrated by the Socorro area, New Mexico [abs.]: Geological Society of America Bulletin, v. 43, no. 1, p. 128-129.
Bryan, Kirk, 1932b, Pediments developed in basins with through drainage as illustrated by the Socorro area, New Mexico [abs.]: Pan-American Geologist, v. 57, no. 1, p. 60.


———1963b, Field trip 8, Sais quartzite quarry, and Montosa thrust fault, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 78.


———1964a, Geologic outline of the Jicarilla Mountains, Lincoln County, New Mexico, in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 82-86.


Burt, D. M., 1968, Control of oxygen fugacity during ore deposition in some pyrometasomatic zinc deposits (New Mexico) [abs.]: Economic Geology, v. 63, no. 6, p. 702.


———1964b, A preliminary range chart of Lake Valley Formation (Osage) conodonts in the southern Sacramento Mountains, New Mexico, in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 73-75.


Busch, F. E., 1966, Ground-water levels in New Mexico, 1964: New Mexico State Engineer Basic-Data Report, 130 p., 27 figs.


Busch, F. E., and Hudson, J. D., 1968, Ground-water levels in New Mexico, 1966: New Mexico State Engineer Basic-Data Report, 71 p., 29 figs.

———1969, Ground-water levels in New Mexico, 1967: New Mexico State Engineer Basic-Data Report, 74 p., 30 figs.

———1970, Ground-water levels in New Mexico, 1968: New Mexico State Engineer Basic-Data Report, 77 p., 31 figs.


———1955b, Stratigraphy of the McRae Formation, Sierra County, New Mexico: Compass, v. 33, no. 1, p. 9-17, 2 figs.
References - Continued

Bushnell, H. P., Kelley, V. C., Silver, Caswell, and Thompson, Sam, III, 1955, Road log third day; northern part of the Caballo Mountains, in Guidebook of south-central New Mexico: New Mexico Geological Society, 6th Field Conference, p. 47-54, 4 figs.


Callaghan, Eugene, 1953a, Basin and range structure in southwestern New Mexico, in Guidebook to southwestern New Mexico: New Mexico Geological Society, 4th Field Conference, p. 116-117.

———1953b, Volcanic rocks of southwestern New Mexico, in Guidebook to southwestern New Mexico: New Mexico Geological Society, 4th Field Conference, p. 143-144.


———1970b, Computerized lineament tectonics and porphyry copper deposits in S.E. Arizona and S.W. New Mexico [abs.]: Dissertation Abstracts International, v. 31, no. 4, p. 2060B.


References - Continued


———1971b, K-Ar age of the La Jara Peak andesite and its possible significance to mineral exploration in the Magdalena mining district, New Mexico: Isochron/West, no. 2, p. 43-44.


Chisolm, F. F., 1889, Notes on some unusual occurrences of galena crystals (Sierra County, New Mexico): Colorado Science Society Proceedings, v. 3, p. 36-37.


References - Continued

Clark, Ellis, Jr., 1895, The silver mines of Lake Valley, New Mexico: American Institute of Mining Engineers Transactions, v. 34, p. 138-167.


Clark, R. D., 1969, Industrial developments for southeastern New Mexico, a case study: New Mexico Institute of Mining and Technology, Socorro, unpublished M.S. thesis.


———1976b, Sierra de las Uvas ash-flow field, south-central New Mexico, in Tectonics and mineral resources of southwestern North America: New Mexico Geological Society Special Publication 6, p. 115-121.


References - Continued


Clifford, J. O., 1911, Vanadium in New Mexico; Caballos Mountains deposits: Mining World, v. 35, p. 857-858.


Coney, P. J., and Elston, W. E., 1978a, Supplemental log no. 6; Alternate stop on Whitewater Mesa, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 89.

———1978b, Supplemental log no. 7; Mogollon to Horse Springs via the Bursum Road, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 90-99.

Conover, C. S., 1952b, Effect of development of ground water west of Red Mountain, Luna County, New Mexico, in 18th, 19th, and 20th biennial reports, 1946-1952: New Mexico State Engineer, p. 11-12.


Cooley, B. B., Jr., 1958, Oil exploration in the area of the Franklin and Hueco Mountains, in Guidebook to the Franklin and Hueco Mountains: West Texas Geological Society, 1958 Field Conference, p. 70-72, 1 fig.


References - Continued


Coppedge, R. O., and Gray, J. R., 1968, Recreational use and value of water at Elephant Butte and Navajo Reservoirs: New Mexico State University, Las Cruces, Agricultural Experiment Station Bulletin 535, 24 p.
References - Continued


———1974c, Structure and stratigraphy of the Florida Mountains, in Guidebook to the geology of the Florida Mountains, Luna County, New Mexico: El Paso Geological Society, 8th Field Conference, p. 16-29.


References - Continued


———1960, Pennsylvanian rocks in the Fra Cristobal quadrangle, Sierra County, New Mexico, in Guidebook to the northern Franklin Mountains and southern San Andres Mountains, with emphasis on Pennsylvanian stratigraphy: Roswell Geological Society, Field Conference, p. 135-148.


Cunningham, J. E., 1966, A Cretaceous vertebrate from the Big Burro Mountains, Grant County, New Mexico [abs.], in Guidebook of the Taos-Raton-Spanish Peaks country: New Mexico Geological Society, 17th Field Conference, p. 119.


Dabney, T. E., 1946a, Kelly--and our Lady of Magdalena, part I--the face on the mountain: New Mexico Magazine, v. 24, no. 11, p. 31-32.

———1946b, Kelly--and our Lady of Magdalena, part II--millions in mineral wealth: New Mexico Magazine, v. 24, no. 12, p. 31-32.

———1947a, Kelly--and our Lady of Magdalena, part III--boom times: New Mexico Magazine, v. 25, no. 1, p. 31-32.

———1947b, Kelly--and our Lady of Magdalena, part IV: New Mexico Magazine, v. 25, no. 2, p. 31-32, 43.


References - Continued


———1916b, Geology and underground water of Luna County, New Mexico [abs.]: Washington Academy of Science Journal, v. 6, p. 449-450.


—1925a, Structural features of New Mexico and Arizona [abs.]: Geological Society of America Bulletin, v. 36, no. 1, p. 163.

—1925b, Structural features of New Mexico and Arizona [abs.]: Pan-American Geologist, v. 43, no. 2, p. 156.


———1938, Tectonics of the southwest [abs.]: Oil and Gas Journal, v. 36, no. 44, p. 46-47.


———1926b, Guadalupe group [abs.]: Pan-American Geologist, v. 45, no. 2, p. 159.

Davie, William, Jr., and Spiegel, Z. E., 1967, Geology and water resources of Las Animas Creek and vicinity, Sierra County, New Mexico: New Mexico State Engineer Hydrographic Survey Report, 44 p.


———1974a, Development of the Mt. Withington cauldron, San Mateo Mountains, Socorro County, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 3, p. 162.

———1974b, Geology of the northern part of the San Mateo Mountains, Socorro County, New Mexico; a study of a rhyolite ash-flow tuff cauldron and the role of laminar flow in ash-flow tuffs [abs.]: Dissertation Abstracts International, v. 35, no. 3, p. 1294B-1295B.


References - Continued


———1965b, Maare of La Mesa, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 204-209.

———1965c, Maare of the Potrillo area of southern New Mexico [abs.], in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 238.


Denison, R. E., 1970, Basement rock framework of parts of Texas, southern New Mexico, and northern Mexico, in The geologic framework of the Chihuahua tectonic belt: West Texas Geological Society and University of Texas, Austin, Symposium in honor of R. K. DeFord, Midland, Texas, p. 4-6.

———1940, Tertiary geology of the San Acacia area, New Mexico: Journal of Geology, v. 48, no. 1, p. 73-106.


———1975, Vegetation of southern New Mexico, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 81-84.


Doraibabu, Peethambaram, 1971a, Trace base metals—petrography—rock alteration of the productive Tres Hermanas stock, Luna County, New Mexico [abs.]: Dissertation Abstracts International, v. 32, no. 12, p. 7112-B.


References - Continued

Dorroh, J. H., 1946a, Certain hydrologic and climatic characteristics of the southwest: University of New Mexico, Albuquerque, Publications in Engineering 1, 64 p.


—-1965, Ground-water supply for the Apollo site, Dona Ana County, New Mexico [abs.], in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 239.


—-1967a, Southwestern closed basins--geography, geology, and hydrology, in Water resources of New Mexico--occurrence, development, and use: New Mexico State Planning Office, p. 250-264.


Dregne, H. E., 1969a, Irrigation water quality and the leaching requirement: New Mexico State University, Las Cruces, Agricultural Experiment Station Bulletin 542, 17 p.

—— 1969b, Prediction of crop yields from quantity and salinity of irrigation water: New Mexico State University, Las Cruces, Agricultural Experiment Station Bulletin 543, 16 p.


———1955b, Spilitic intrusion near Ladron Peak, Socorro County, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 3, no. 4, p. 15.


References - Continued


Eckel, E. B., 1939, Abutment problems at Zuni Dam, New Mexico: Civil Engineering, v. 9, no. 8, p. 490-492, 4 figs.


Edwards, G. H., 1960, Geology of the central Little Burro Mountains, Grant County, New Mexico: University of Kansas, Lawrence, unpublished M.A. thesis.


Ellis, R. D., 1971, Geology and ore deposits of the Winkler anticline, Hidalgo County, New Mexico: University of Texas, Austin, unpublished M.S. thesis.


———1955a, Volcanic succession and possible mineralization in the Dwyer quadrangle, southwestern New Mexico [abs.]: Economic Geology, v. 50, no. 7, p. 773.


———1958c, Geology and mineral resources of Dwyer quadrangle, Grant, Luna, and Sierra Counties, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 6, no. 2, p. 141-142.


References - Continued


———1965b, The Mogollon Plateau volcanic province; possible connection with ring-dike complexes and lunar craters [abs.], in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 239.


———1972, Mid-Tertiary volcanism and tectonism in Basin and Range province, New Mexico; test for plate-tectonic models [abs.]: Geological Society of America, Abstracts with Programs, v. 4, no. 7, p. 499.

———1973, Regional geology of the Mogollon-Datil volcanic province, New Mexico, as a guide to mineralization [abs.]: Geological Society of America, Abstracts with Programs, v. 5, no. 6, p. 478-479.

References - Continued


———1978a, Supplemental log no. 5; Little Dry Creek Canyon, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 87-88.


References - Continued


———1963b, Geology and sedimentation along the lower Rio Salado in New Mexico, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 209-216.
Eveleth, R. W., 1979a, New methods of working an old mine--case history of the Eberle Group, Mogollon, New Mexico: New Mexico Geology, v. 1, no. 1, p. 7-11, 7 figs.


Fay, R. O., 1962, New Mississippian blastoids from the Lake Valley Formation (Nunn Member), Lake Valley, New Mexico: Oklahoma Geology Notes, v. 22, no. 6, p. 189-195.

———1963, New Mississippian blastoids from the Lake Valley Formation (Nunn Member), Lake Valley, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 5, no. 5-422, p. 14.


Fiedler, A. G., 1927, Report on reconnaissance of the ground-water area of the Mimbres Valley, Luna County, New Mexico, in 8th biennial report, 1926-28: New Mexico State Engineer, p. 159-171.


Finnell, T. L., 1976a, Geologic map of the Reading Mountain quadrangle, Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-800.


Fleischhauer, H. L., Jr., 1976, Stratigraphy and sedimentology of lacustrine shoreline features in the lower Animas Valley, Hidalgo County, New Mexico [abs.]: Arizona Academy of Science Journal, v. 11, p. 94.

———1977a, Soil-age relationships of alluvial and lacustrine deposits, lower Animas Valley, southwest New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 9, no. 1, p. 18-19.


———1953c, Paleozoic sedimentary rocks of southwestern New Mexico, in Guidebook to southwestern New Mexico: New Mexico Geological Society, 4th Field Conference, p. 106-112.

———1953d, Road log Franklin Mountains and vicinity, October 15, in Guidebook to southwestern New Mexico: New Mexico Geological Society, 4th Field Conference, p. 11-14.


———1972b, Chemistry, mineralogy, and petrology of the mafic and intermediate lavas of the Black Range, New Mexico [abs.]: Dissertation Abstracts International, v. 32, no. 11, p. 6473B.


———1972b, Skarn formation and sulfide mineralization at the Continental mine, Fierro, New Mexico [abs.]: Dissertation Abstracts International, v. 33, no. 3, p. 1157B.


Foster, R. W., Evans, G. C., and Luce, P. B., 1963, Supplementary road log, southern Ladron Mountains Magdalena to Interstate 25, via Snake Ranch Flats, Rio Salado, and southern Ladron Mountains, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 88-95, 6 figs.


Foster, R. W., and Luce, P. B., 1963a, Road log A, Socorro northward to Valencia County line via Interstate 25, U.S. 85, and U.S. 60, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 6-12, 4 figs.
References - Continued

Foster, R. W., and Luce, P. B., 1963b, Road log B, junction Interstate 25 to Torrance County line via U.S. 60, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 13-19, 4 figs.


———1963d, Road log E, San Antonio, New Mexico (at junction U.S. 380 and U.S. 85) to Lincoln County line via U.S. 380, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 31-37, 2 figs.


Freeman, C. E., Jr., 1968, A pollen study of some post-Wisconsin alluvial deposits in Dona Ana County, New Mexico: New Mexico State University, Las Cruces, unpublished Ph. D. dissertation, 55 p., 9 figs.


81

———1940b, Tin deposits of the Black Range, Catron and Sierra Counties, New Mexico [abs.]: American Geophysical Union Transactions, 21st Annual Meeting, pt. 1, p. 362.


Frische, R. H., 1956, A field study of the ground-water conditions in the Alamogordo area by the induced-polarization method: New Mexico Institute of Mining and Technology, Socorro, 7 p.


References - Continued

Furman, H. van F., 1885, Notes on two ore deposits of southwestern New Mexico: New Mexico Institute of Mining and Technology, Socorro, Quarterly, v. 6, p. 138-142.


———1901b, Nogal mining district, in Mineral resources of New Mexico: International Industrial Record, El Paso, Texas, v. 3, no. 25, p. 35-37.


———1959, Middle Pennsylvanian brachiopods from the Mud Springs Mountains and Derry Hills, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 1, no. 1, p. 18.


———1957b, Volcanic rocks of Nogal Canyon, Socorro County, New Mexico [abs.], in Guidebook to southwestern San Juan Mountains: New Mexico Geological Society, 8th Field Conference, p. 256.
References - Continued


—-1962, A classification of Ca horizons in the soils of a desert region, Dona Ana County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4-1060, p. 57.


—-1967f, Soils of an ancient basin floor near Las Cruces, New Mexico: Soil Science: v. 103, p. 265-276, 5 figs.


References - Continued


——1968b, A petrochemical study of compositionally zoned ash-flow tuffs [abs.]: Dissertation Abstracts International, section B., v. 28, no. 9, p. 3750B-3751B.

References - Continued


———1952c, Uranium deposits in the Blackhawk district, Grant County, New Mexico [abs.]: Economic Geology, v. 47, no. 7, p. 770.


———1953c, Uranium deposits in the Blackhawk district, Grant County, New Mexico [abs.]: American Mineralogist, v. 38, no. 3-4, p. 340.


------1958b, Geology of the central Peloncillo Mountains, Hidalgo County, New Mexico, and Cochise County, Arizona [abs.]: American Geological Institute, Geologic Abstracts, v. 6, no. 4, p. 136-137.


References - Continued


Glass, J. J., Jahns, R. H., and Stevens, R. E., 1944, Helvite and danalite from New Mexico and the helvite group: American Mineralogist, v. 29, no. 5-6, p. 163-191, 5 figs.

Glover, T. J., 1975a, Fluorspar and metallic mineral deposits along the west side of the Organ Mountains, Dona Ana County, New Mexico [abs.], in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 339.


Goodier, B. D., 1929, Haulage system of the Clan and Seven Sisters mine in Grant County, New Mexico: Colorado School of Mines Magazine, Golden, p. 23-26.


—1907d, Some features of the geology of Magdalena and Black Range region [abs.]: Science, new series, v. 25, p. 824-825.


References - Continued


Granger, H. C., and Bauer, H. L., Jr., 1951a, Results of diamond drilling, Merry Widow claim, White Signal, Grant County, New Mexico: U.S. Geological Survey Trace Element Memorandum TEM-146A, 11 p., 2 figs.


Griffitts, W. R., 1959, Non-pegmatitic deposits of beryllium in the United States [abs.]: Mining Engineer, v. 11, no. 12, p. 1227.


———1969, Geochemical evidence for possible concealed mineral deposits near the Monticello Box, northern Sierra Cuchillo, Socorro County, New Mexico [abs.]: Abstracts of North American Geology, May, p. 699.


———1967, Geology and ore deposits of the Steeple Rock mining district, Grant County, New Mexico [abs.]: Abstracts of North American Geology, July, p. 890-891.


———1963a, Field trip 4, Nogal Peak mining district southeastward from Socorro, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 60-66.

———1963b, How to measure rock pressures; new tools and proved techniques aid mine design: New Mexico Bureau of Mines and Mineral Resources Circular 69, 7 p.

———1963c, Index map of the principal mining districts of Socorro County, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 97.

References - Continued

Griswold, G. B., 1964b, Road log from Nogal to Nogal Peak and Bonito Lake, modified by Carl Ulvog and Sam Thompson, III, in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 54-56.


———1968b, Potassic alteration in porphyry copper deposits [abs.]: Economic Geology, v. 63, no. 6, p. 703.


Gunaji, N. N., 1961, Ground-water conditions in Elephant Butte irrigation district: New Mexico State University, Las Cruces, Engineering Experiment Station, 43 p.


References - Continued

Hagerman, Charles de B., 1973, Availability of water for Bosworth tracts, New Mexico project numbers F-021-1 (9) and F-021-1 (13), Otero County, New Mexico: Consulting Professionals, Santa Fe, report to New Mexico Highway Department, 7 p.


Hambleton, A. W., 1959, Interpretation of the paleoenvironment of several Missourian carbonate sections in Socorro County, New Mexico by carbonate fabrics: New Mexico Institute of Mining and Technology, Socorro, unpublished M.S. thesis.

References - Continued


Hanson, M. L., 1968, Irrigation needs in New Mexico for the next hundred years, in 13th annual New Mexico water conference proceedings: New Mexico State University, Las Cruces, p. 137-153.


Hardwick, W. R., 1958, Open-pit mining methods and practices at the Chino Mines Division, Kennecott Copper Corporation, Grant County, New Mexico: U.S. Bureau of Mines Information Circular IC 7837, 64 p., 47 figs.


———1943a, Copper goes to war [Grant County mines]: New Mexico Magazine, v. 21, no. 3, p. 10-11, 31-33.


———1949, New Mexico's big pit (Chino mines, Santa Rita, New Mexico): New Mexico Professional Engineer, v. 1, no. 5, p. 9 and 19.

———1951, Mining revivals at Magdalena: New Mexico Professional Engineer and Contractor, v. 3, no. 2, p. 4-5, 2 figs.


Hatfield, G. D., 1956, Underground-water use and problems in Luna County, in 1st annual New Mexico water conference proceedings: New Mexico State University, Las Cruces, p. 27-29.


1971c, Lava tubes and collapse depressions [abs.]: Dissertation Abstracts International, v. 32, no. 4, p. 2234B.


1970b, Mid-to-late Quaternary erosion-sedimentation patterns as a factor in soil formation in southern New Mexico [abs.]: American Society of Agronomy, Agronomy Abstracts, p. 145.


———1975c, Quaternary history of Dona Ana County region, south-central New Mexico, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 139-150.

———1975d, Road log third day, exit C (south)—Upham interchange to Anthony, New Mexico-Texas via Interstates 25 south and 10 east, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 61-64.


Hawley, J. W., and Kottlowski, F. E., 1965, Exit road log from Blue Mountain to Lordsburg, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 84-86.

———1965c, Road log from Lordsburg to San Simon Valley, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 76-81.


Hawley, J. W., Seager, W. R., and Corbitt, L. L., 1975, Road log third day, exit B (west)—Hatch and Deming via New Mexico 26, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 56-60.


——1978e, Geologic map of the Soldiers Farewell Hill quadrangle, Grant County, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-1033.


——1965, Groundwater in the southwest—a perspective, in Ecology of groundwater in the southwestern United States, a symposium 1961: American Association for the Advancement of Science: Arizona State University, Tempe, Bureau Publication, p. 4-26, 3 figs.


Hendrickson, G. E., 1949c, Ground-water resources of the Carrizozo area, Lincoln County, New Mexico, in 18th, 19th, and 20th biennial reports, 1946-1952: New Mexico State Engineer, p. 9-10.


———1889, The Slayback lode [Catron County, Mogollon Range, New Mexico], a peculiar kind of fissure vein: Engineering Mining Journal, v. 48, p. 27.


Hernon, R. M., 1949, Geology and ore deposits, Silver City region, New Mexico, in Guidebook: West Texas Geological Society, 3rd Field Conference, p. 4-6.


———1969, Ore deposits of the Central mining district, Grant County, New Mexico [abs.]: Abstracts of North American Geology, May, p. 708.


———1965a, Geologic map of the Santa Rita quadrangle, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, in pocket.

———1965b, Some geological features of the Santa Rita quadrangle, New Mexico, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 175-183.


———1897, The geology of a typical mining camp in New Mexico (Kelly, Magdalena district): American Geologist, v. 19, p. 256-262.


———1900a, The geology of the White Sands of New Mexico: Journal of Geology, v. 8, p. 112-128.


———1959b, Geology and mineral deposits of the northern Big Burro Mountains-Redrock area, Grant County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 1, no. 7, p. 2.


Holser, W. T., 1953, Beryllium minerals in the Victorio Mountains, Luna County, New Mexico: American Mineralogist, v. 38, no. 7-8, p. 599-611, 2 figs.


References - Continued


———1953b, Short rations days (Mogollon mining district): New Mexico Magazine, v. 31, no. 1, p. 19, 42-44.


Hudson, J. D., 1971, Ground-water levels in New Mexico, 1969: New Mexico State Engineer Basic-Data Report, 74 p., 31 figs.
Hudson, J. D., 1974, Ground-water levels in New Mexico, 1971: New Mexico State Engineer Basic-Data Report, 73 p., 31 figs.

———1975a, Ground-water levels in New Mexico, 1972: New Mexico State Engineer Basic-Data Report, 72 p., 32 figs.

———1975b, Ground-water levels in New Mexico, 1973: New Mexico State Engineer Basic-Data Report, 99 p., 32 figs.

———1976a, Ground-water levels in New Mexico, 1974: New Mexico State Engineer Basic-Data Report, 112 p., 34 figs.

———1976b, Ground-water levels in New Mexico, 1975: New Mexico State Engineer Basic-Data Report, 128 p., 33 figs.


Hunter, P. L., 1960, New safety program at Chino steps up production, lowers costs: Mining Engineer, v. 12, no. 6, p. 568-569, 577.


Huntington, E. H., and Navarre, R. J., 1957, Basic survey of the Rio Grande River below Caballo Dam to the New Mexico-Texas line, in Fisheries investigations of District No. 3: New Mexico Department of Game and Fish, Santa Fe, Job Completion Report, Federal Aid Project F-11-R-2, p. 21-35.

Huskinson, Ed, Jr., 1972, Fluorspar deposits in the Cross Mountain area, Chise, New Mexico [abs.]: New Mexico Academy of Science Bulletin, v. 13, no. 2, p. 35.


Jacobs, D. C., and Parry, W. T., 1974a, Geochemistry of biotite from the Santa Rita stock and its associated potassic and phyllic alteration zones, Central mining district, Grant County, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 7, p. 809.

——1974b, Geochemistry of biotite from the Santa Rita stock and its associated potassic and phyllic alteration zones, Central mining district, Grant County, New Mexico [abs.]: Economic Geology, v. 69, no. 7, p. 1181.

——1975, Geochemistry of biotite and muscovite as a clue to the development of the phyllic-potassic transition zone of alteration (the "ore shell"); the Chino porphyry copper deposit--a possible example [abs.]: Geological Society of America, Abstracts with Programs, v. 7, no. 7, p. 1131.


——1943a, The pyrometasomatic deposits at Iron Mountain, New Mexico, and their bearing on exploration for beryllium ores [abs.]: Economic Geology, v. 38, no. 1, p. 82-83.
References - Continued


———1955b, Possibilities for discovery of additional lead-silver ore in the Palomas Camp area of the Palomas (Hermosa) mining district, Sierra County, New Mexico--a preliminary statement: New Mexico Bureau of Mines and Mineral Resources Circular 33, 14 p.

———1955c, Road log second day; Sierra Cuchillo and neighboring areas (Truth or Consequences to Iron Mountain, via Winston), in Guidebook of south-central New Mexico: New Mexico Geological Society, 6th Field Conference, p. 25-46, 15 figs.


———1958, The Pelican area, Palomas (Hermosa) district, Sierra County, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 6, no. 2, p. 148-149.

———1974, Ore deposits of the Palomas (Hermosa) district, Sierra County, New Mexico [abs.], in Guidebook to Ghost Ranch (central-northern New Mexico): New Mexico Geological Society, 25th Field Conference, p. 381.
References - Continued


———1954c, Geology and mineral deposits of Lake Valley quadrangle, Grant, Luna, and Sierra Counties, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 2, no. 4, p. 73-74.


———1955a, Correlation of basalt flows in central New Mexico by fusion technique [abs.]: American Mineralogist, v. 40, no. 3-4, p. 323-324.

References - Continued


———1958a, Geology and mineral resources of Mesa del Oro quadrangle, Socorro and Valencia Counties, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 6, no. 4, p. 135-136.


Johnson, Dean, 1953, A magnetometric survey of the Iron Horse magnetite deposit, Socorro County, New Mexico: New Mexico Institute of Mining and Technology, Socorro, unpublished M.S. thesis.


References - Continued


Kelley, V. C., 1947, Geologic and topographic map, eastern Gallinas Mountains, Lincoln County, New Mexico, with text on the geology and fluorspar and iron deposits: U.S. Geological Survey Mineral Investigations (Strategic) Map 3-211.

———1950, Geology and economics of New Mexico iron-ore deposits: University of New Mexico, Albuquerque, Publications in Geology 2, 246 p.


Kelley, V. C., and Branson, O. T., 1946, Shallow, high-temperature pegmatites, Grant County, New Mexico [abs.]: Geological Society of America, v. 57, no. 12, pt. 2, p. 1255.

———1947, Shallow, high-temperature pegmatites, Grant County, New Mexico: Economic Geology, v. 42, no. 8, p. 699-712, 5 figs.


———1904a, Bolson plains and the conditions of their existence: American Geologist, v. 34, p. 160-164.


———1905d, Ore deposits of the Sierra de los Caballos (south central New Mexico): Engineering Mining Journal, v. 80, p. 149-151.


———1909, Genesis of the Lake Valley, New Mexico, silver deposits: American Institute of Mining Engineers Transactions, v. 39, p. 139-169.


———1921, Interglacial volcanic ash [abs.]: Science, new series, v. 54, p. 308.

———1922a, Climatic influences in vadose ore deposition: Pan-American Geologist, v. 37, no. 4, p. 275-287.

———1922b, Discovery of Paleozoic formations in New Mexico; faulting of Bonneville Lake deltas: Pan-American Geologist, v. 38, no. 2, p. 141-145.


———1923, Cosmical derivation of metals; midget coal field of America (O'Mara district, New Mexico); localization of ore values in gouge materials; Tres Amigos gold veins of Arizona: Pan-American Geologist, v. 39, no. 2, p. 152-154, 154-156, 156-159, 159-160, 2 figs.

———1925, Gashed veins on the Queen of Sheba (Arizona); and vanadinite deposits of the Elephant Butte (New Mexico): Pan-American Geologist, v. 44, no. 1, p. 60-62, 67-68.

Keyes, W. S., 1968, Well logging in ground-water hydrology: Ground Water, v. 6, no. 1, p. 10-18, 8 figs.


Kidder, S. J., 1924a, Mining methods in Mogollon district, New Mexico: American Institute of Mining and Metallurgical Engineers Transactions, preprint 1314, 21 p., 8 figs.

———1924b, Mining methods in Mogollon district, New Mexico [abs.]: Mining and Metallurgy, v. 5, no. 207, p. 142-143.


———1971, Geology and ground-water resources of central and western Dona Ana County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 1, 64 p.


Kintzinger, P. R., 1956, Geothermal survey of hot ground water near Lordsburg, New Mexico: Science, v. 124, no. 3223, p. 629-630.


Knopf, Adolph, 1933, Pyrometasomatic deposits, in Ore deposits of the western states: American Institute of Mining and Metallurgical Engineers (Lindgren Volume), p. 537 and 557.


Knowlton, C. S., ed., 1968, International water law along the Mexican-American border: Committee on Desert and Arid Zones Research, Southwestern and Rocky Mountain Division, American Association for the Advancement of Science and University of Texas at El Paso, 44th Annual Meeting: 64 p.


Kopicki, R. J., 1962, Geology and ore deposits of the northern part of the Hansonburg District, Bingham, New Mexico: New Mexico Institute of Mining and Technology, Socorro, unpublished M.S. thesis.

Koschmann, A. H., 1933, Volcanic history of the Magdalena district [abs.]: American Geophysical Union Transactions 14th Annual Meeting, p. 250.


———1958c, Pennsylvanian and Permian rocks near the late Paleozoic Florida Islands, in Guidebook to the Hatchet Mountains and the Cooks Range-Florida Mountains area: Roswell Geological Society, 1958 Field Conference, p. 79-87.


1963b, Pennsylvanian rocks of Socorro County, New Mexico, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 102-111.

1963c, Supplementary road log, Cerros de Amado red bed copper deposits, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 86-87.


1965a, Facets of the Late Paleozoic strata in southwestern New Mexico, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 141-147.


1968c, Late Paleozoic sediments derived from Pedernal uplift [abs.]: Abstracts of North American Geology, October, p. 1491.

1968d, San Andres Limestone west of the Sacramentoos, in The San Andres Limestone, a reservoir for oil and water in New Mexico: New Mexico Geological Society, Special Publication 3, p. 5-11, 6 figs.


———1973, Pre-Pliocene rocks in La Mesa region, southern Dona Ana County, New Mexico, in Guidebook to the geology of southcentral Dona Ana County, New Mexico: El Paso Geological Society, 7th Field Conference, p. 37-45.

———1975a, Mississippian strata of the San Andres Mountains, in Guidebook to Mississippian shelf-edge and basin facies carbonates, Sacramento Mountains and southern New Mexico region: Dallas Geological Society, 1975 Field Conference, p. 119-123, 1 fig.


Kottlowski, F. E., and Hawley, J. W., 1975, Road log first day; Las Cruces to southern San Andres Mountains and return, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 1-16.

Kottlowski, F. E., and Herber, L. J., 1963, Palm Park high-calcium limestone, Apache Valley, Sierra County, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, p. 31-32.


———1974b, Geology of the central Magdalena Mountains, Socorro County, New Mexico [abs.]: Dissertation Abstracts International, v. 35, no. 4, p. 1740B-1741B.


References - Continued


——compiler, 1956a, Geologic map of Hillsboro Peak quadrangle, Grant, Sierra, and Luna Counties: New Mexico Bureau of Mines and Mineral Resources Geologic Map GM-1.


——1958b, Alkali feldspars in a Tertiary porphyry near Hillsboro, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 6, no. 2, p. 86.

——1959a, Geologic map of Hillsboro Peak thirty-minute quadrangle [abs.]: American Geological Institute, Geoscience Abstracts, v. 1, no. 1, p. 3.

References - Continued


Lackey, J. W., 1959, The natural resources industries of New Mexico, in New Mexico and its natural resources 1900-2000: University of New Mexico, Albuquerque, Division of Research, Department of Government, p. 29-32.


Lambert, R. S., 1973, Geology of the country east of the Santa Rita mining district, Grant County, New Mexico--the San Lorenzo area: University of New Mexico, Albuquerque, unpublished M.S. thesis, 81 p.


Lansford, R. R., and others, 1975, Irrigated cropland acreage and source of water used for irrigation in New Mexico, by county: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 305, 39 p.


———1976b, Irrigated cropland acreage and source of water used for irrigation in New Mexico, by county: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 324, 39 p.


———1930a, A colloidal origin of some of the Kennecott ore minerals: Economic Geology, v. 25, no. 7, p. 737-757, 7 figs.

———1930b, Geology and ore deposits of the Ground Hog mine, Central district, Grant County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Circular 2, 14 p.


———1935a, Distribution of silver in base-metal ores (with discussion), in Mining geology: American Institute of Mining and Metallurgical Engineers Transactions, v. 115, p. 69-80, 1 fig.


References - Continued


———1937, Outlook for further ore discoveries in the Little Hatchet Mountains, New Mexico [abs.]: Economic Geology, v. 32, no. 8, p. 1073.


———1938c, Newly discovered section of Trinity age in southwestern New Mexico [abs.]: Oil and Gas Journal, v. 36, no. 44, p. 68, 71.

———1938d, Outlook for further ore discoveries in the Little Hatchet Mountains, New Mexico: Economic Geology, v. 33, no. 4, p. 365-389, 8 figs.


——1941c, Mississippian Formations of Sacramento Mountains, New Mexico [abs.]: Tulsa Geological Society Digest, v. 9, p. 73-75.


Lavery, N. G., and Trauger, F. D., 1977, Addendum to geohydrology of the upper Pipe Line Draw area, Grant County, New Mexico: Exxon Corporation report, 13 p.

Leatherbee, Brigham, 1910, Sierra County, New Mexico, vanadium deposits: Mining World, v. 33, p. 799.


References - Continued


———1965, Groundwater resources of the lower Mesilla Valley, Texas and New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 7, no. 7-977, p. 71.


———1974, The lower Ordovician Florida Mountains Formation stratotype, Luna County, New Mexico, in Guidebook to the geology of the Florida Mountains, Luna County, New Mexico: El Paso Geological Society, 8th Field Conference, p. 36-46.


———1971b, Pennsylvanian system at Silver City, Grant County, New Mexico [abs.], in Symposium on the Pennsylvanian of New Mexico: New Mexico Geological Society and Roswell Geological Society Joint Conference Program, p. 6.


Leopold, L. B., 1956, Data and understanding arroyos in New Mexico, in The future of arid lands: American Association for the Advancement of Science Publication 43, p. 114-120.


———1954a, Correlation of copper mineralization with hydrothermal alteration in the Santa Rita porphyry copper deposit, New Mexico: Geological Society of America Bulletin, v. 65, no. 8, p. 739-768, 16 figs.

———1954b, Correlation of copper mineralization with hydrothermal alteration in the Santa Rita porphyry copper deposit, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 2, no. 3, p. 69.


——1962b, Glauconite in the Cambrian-Ordovician Bliss Formation near Silver City, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4-3323, p. 37.


Lins, T. W., 1975, Geometry of Sierrita fault and its bearing on tectonic development of the Rio Grande Rift, New Mexico; comment and reply: Geology, v. 3, no. 7, p. 357, 1 fig.


———1959, List of stratigraphic names used in northwest and central New Mexico, in Guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 100-111.


———1965, Lexicon of stratigraphic names used in southwestern New Mexico, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 93-111.


Loel, Wayne, 1941, Use of aerial photographs in geologic mapping (with illustrations of Silver City and Shiprock areas, New Mexico): American Institute of Mining and Metallurgical Engineers Transactions, v. 144, p. 356-409, 11 figs.


———1966b, Late Pleistocene and recent chronologies of playa lakes in Arizona and New Mexico [abs.]: Dissertation Abstracts International, section B., v. 27, no. 4, p. 1189B-1190B.


—— 1974, Oxide minerals in miarolitic rhyolite, Black Range, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 6, no. 5, p. 455.


—— 1972b, Tin mineralization within rhyolite flow-domes (Tertiary), Black Range, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 4, no. 7, p. 581.


—— 1973, Tin mineralization within rhyolite flow-domes (Tertiary), Black Range, New Mexico [abs.]: Dissertation Abstracts International, v. 33, no. 8, p. 3717B.


—— 1929c, A remarkable ground sloth (Nothrotherium shastense, from Aden, Dona Ana County) [abs.]: Pan-American Geologist, v. 51, no. 3, p. 238.


References - Continued


McCaslin, J. C., 1965, There just hasn't been enough drilling in Catron County [New Mexico]: Oil and Gas Journal, v. 63, no. 13, p. 225.


— 1966b, Structures of dunes at White Sands National Monument, New Mexico (and a comparison with structures of dunes from other selected areas): Sedimentology, v. 7, no. 1, Special Issue, 136 p.

— 1966c, Structures of dunes at White Sands National Monument, New Mexico (and a comparison with structures of dunes from other selected areas) [abs.]: Petroleum Abstracts, v. 6, no. 49, p. 2891.

— 1967, Structures of dunes at White Sands National Monument, New Mexico (and a comparison with structures of dunes from other selected areas) [abs.]: Abstracts of North American Geology, April, p. 491.


McKinstry, Hugh, 1959, Mineral assemblages in sulfide ores--the system Cu-Fe-S-O (Hanover-Fierro district): Economic Geology, v. 54, no. 6, p. 975-1001.


McNaughton, D. D., 1957, Recent developments in rock drilling at Chino mines: Mining Engineer, v. 9, no. 5, p. 542-543.


——-1977, Geologic map of San Acacia 7 1/2 minute quadrangle, Socorro County, New Mexico: U.S. Geological Survey Geologic Quadrangle Map GQ-1415.


References - Continued


Maker, H. J., Downs, J. M., and Anderson, J. U., 1972a, Soil associations and land classification for irrigation, Sierra County: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 233, 2 figs.

———1972b, Soil associations and land classification for irrigation, Socorro County: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 234, 11 figs.

Maker, H. J., Neher, R. E., and Anderson, J. U., 1972, Soil associations and land classification for irrigation, Catron County: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 229, 9 figs.


—1952, Metal mining in New Mexico (1951), in Mining Yearbook: Colorado Mining Association, p. 74.

—1953a, Metal mining in New Mexico (1952), in Mining Yearbook: Colorado Mining Association, p. 40-41.


—1954a, Gold, silver, copper, lead, and zinc production in New Mexico in 1953, in Mining Yearbook: Colorado Mining Association, p. 78.


Mattox, R. B., ed., 1970, Saline water: Rocky Mountain Division, American Association for the Advancement of Science, Committee on Desert and Arid Zone Research Contribution 13, 105 p.


———1976, Preliminary geologic map of the Winston quadrangle, Sierra County, New Mexico: U.S. Geological Survey Open-File Map 76-858.


Mayo, E. B., 1958, Lineament tectonics and some ore districts of the southwest: Mining Engineer, v. 10, no. 11, p. 1169-1175.

———1959, Reply to discussion of "Lineament tectonics and some ore districts of the southwest" by D. L. Evans: Mining Engineer, v. 11, no. 6, p. 612.


References - Continued


Melvin, J. W., 1963, Cretaceous stratigraphy in the Jornada del Muerto region, including the geology of the Mescal Creek area, Sierra County, New Mexico: University of New Mexico, Albuquerque, unpublished M.S. thesis, 121 p.


—–1973b, Carbonate cement stratigraphy of the Lake Valley Formation (Mississippian), Sacramento Mountains, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 5, no. 7, p. 738-739.

References — Continued

Meyers, W. J., 1974b, Chertification and carbonate cementation in the Mississippian Lake Valley Formation, Sacramento Mountains [abs.]: Dissertation Abstracts International, v. 35, no. 4, p. 1742B.


——— 1975, Stratigraphy and diagenesis of the Lake Valley Formation, Sacramento Mountains, New Mexico, in Guidebook to Mississippian shelf-edge and basin facies carbonates, Sacramento Mountains and southern New Mexico region: Dallas Geological Society, 1975 Field Conference, p. 45-65, 12 figs.


———1976, Carbonate petrology and syndepositional facies of the lower San Andres Formation (middle Permian), Lincoln County, New Mexico: Journal of Sedimentary Petrology, v. 46, p. 463-482.


References - Continued


———1946b, Test drilling in the Miesse area east of Deming, New Mexico, in 16th and 17th biennial report, 1942-1946: New Mexico State Engineer, p. 391-396.


———1948b, Reconnaissance study of ground water in the vicinity of Ruidoso, Lincoln County, New Mexico, in 18th, 19th, and 20th biennial report, 1946-1952: New Mexico State Engineer, p. 11.


———1935, Ventifacts from New Mexico [abs.]: Pan-American Geologist, v. 64, no. 2, p. 150-151.
Needham, C. E., 1936, Vertebrate remains from Cenozoic rocks, New Mexico: Science, new series, v. 84, no. 2189, p. 537.


———1937b, Ventifacts from New Mexico: Journal of Sedimentary Petrology, v. 7, no. 1, p. 31-33, 5 figs.


———1938b, Stratigraphy of Carthage-Tokay district, New Mexico [abs.]: Pan-American Geologist, v. 70, no. 1, p. 73.


———1941, New Mexico, mineral resources: Engineering Mining Journal, v. 142, no. 8, p. 141.


Needham, C. E., and Talmage, S. B., 1939, Heavy minerals in the White Sands of New Mexico [abs.]: Pan-American Geologist, v. 72, no. 1, p. 73-74.


——1959, Uranium in the Datil Mountains--Bear Mountains region, New Mexico, in Guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 135-143.


——1975b, Index map of Dona Ana County showing field trip routes, in Guidebook of the Las Cruces country: 26th Field Conference, p. xiv.


——1965a, Gila River hydrographic survey report, v. 3, Cliff-Gila, Buckhorn-Duck Creek area: 314 p., 1 fig.

——1965b, Gila River hydrographic survey report, v. 4, upper Gila area: 169 p., 1 fig.

——1965c, Gila River hydrographic survey report, v. 5, Glenwood-Mule Creek area: 182 p., 1 fig.

——1966a, Gila River hydrographic survey report, v. 6, Reserve area: 138 p., 1 fig.

——1966b, Gila River hydrographic survey report, v. 7, Luna area: 89 p., 1 fig.

——1966c, Gila River hydrographic survey report, v. 8, Apache Creek-Aragon area: 84 p., 1 fig.

——1974a, Hidalgo County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 30 p., 6 figs.

——1974b, Lincoln County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 29 p., 6 figs.
New Mexico State Engineer, 1974c, Luna County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 28 p., 6 figs.

———1974d, Sierra County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 45 p., 6 figs.

———1974e, Socorro County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 28 p., 6 figs.

———1975a, Catron County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 29 p., 6 figs.

———1975b, Dona Ana County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 33 p., 6 figs.

———1975c, Grant County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 34 p., 6 figs.

———1975d, Otero County profile: New Mexico Interstate Stream Commission and New Mexico State Engineer, Santa Fe, 34 p., 6 figs.

———1977a, Water-resources data for New Mexico calendar year 1975: Surface-water records: 242 p., 2 figs.

———1977b, Water-resources data for New Mexico calendar year 1975: Water-quality records: 345 p., 2 figs.


New Mexico State Planning Office, 1967a, FHA water and sewer area plans, Lincoln County, New Mexico: 36 p.

———1967b, FHA water and sewer area plans, Otero County, New Mexico: 30 p.

———1968a, FHA water and sewer area plans, Dona Ana County, New Mexico: 39 p.

———1968b, FHA water and sewer area plans, Grant County, New Mexico: 63 p.
New Mexico State Planning Office, 1968c, FHA water and sewer area plans, Sierra County, New Mexico: 58 p.
---1969a, FHA water and sewer area plans, Hidalgo County, New Mexico: 71 p.
---1969b, FHA water and sewer area plans, Luna County, New Mexico: 69 p.
---1970a, FHA water and sewer area plans, Catron County, New Mexico: 81 p.
---1970b, FHA water and sewer area plans, Socorro County, New Mexico: 82 p.

New Mexico Water Quality Control Commission, 1967a, Water quality standards--the Gila and San Francisco Rivers in New Mexico: 64 p., 14 figs.


———1947a, Further notes on the Puente-Ladron, New Mexico aerolite (1,068,344): Popular Astronomy, v. 55, no. 6, p. 325-326.

———1947b, Further notes on the Puente-Ladron, New Mexico aerolite (1,068,344): Society of Research on Meteorites, Los Angeles, California, Contributions, v. 4, no. 1, p. 52-54.


———1962, Particle-size distribution of stream bed material in the middle Rio Grande Basin, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4-1490, p. 43.


———1962b, Formation and deposition of clay balls, Rio Puerco, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4-3320, p. 36.


Oppel, T. W., Otte, Carel, Jr., Pray, L. C., and Thompson, Sam, III, 1977, Road log "E" High Rolls, New Mexico through Fresnal Canyon to Tularosa, New Mexico, in Guidebook to the geology of the Sacramento Mountains, Otero County, New Mexico: West Texas Geological Society, 1977 Field Conference, Publication 1977-68, p. 201-209.
References - Continued


References - Continued


———1974, Blue sillimanite in garnet granulite xenoliths from Kilbourne Hole, New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 55, no. 4, p. 482.

———1975, Aluminous, iron-rich orthopyroxene and iron-rich spinel in garnet granulite xenoliths from Kilbourne Hole maar, New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 56, no. 6, p. 465.


Paige, Sidney, 1912a, The geologic and structural relations at Santa Rita (Chino), New Mexico: Economic Geology, v. 7, no. 6, p. 547-559, 1 fig.

—1912b, Gravel as a resistant rock (physiographic history of a portion of the Silver City quadrangle, New Mexico): Journal of Geology, v. 20, p. 49-52.


References - Continued


Pike, W. S., Jr., 1947, Intertonguing marine and nonmarine upper Cretaceous deposits of New Mexico, Arizona, and southwestern Colorado: Geological Society of America Memoir 24, 103 p., 7 figs.

Pitts, P. D., 1949, Temperature relations at the Oswaldo mine, Santa Rita, New Mexico: University of Toronto, Ontario, Canada, unpublished M.A. thesis.


References - Continued


——1939, Basin and shore features of the extinct Lake San Augustin, New Mexico: Journal of Geomorphology, v. 2, no. 4, p. 345-356, 8 figs.


———1967b, Geology of the Hurley West quadrangle, Grant County, New Mexico [abs.]: Petroleum Abstracts, v. 7, no. 32, p. 2127.


———1962, Trap-door intrusion of the Cameron Creek laccolith, near Silver City, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4-1219, p. 11.

———1965a, The Cameron Creek laccolith; a trap-door intrusion near Silver City, New Mexico, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 158-163.

———1965b, Road log to Cameron Creek laccolith, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 43-44.


———1953c, Upper Ordovician and Silurian stratigraphy of the Sacramento Mountains, Otero County, New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 1, no. 3, p. 38.


1961b, Geology of the Sacramento Mountains escarpment, Otero County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 3, no. 3-2507, p. 7.


---------1977h, Stratigraphic and structural features of the Sacramento Mountain escarpment, New Mexico, in Guidebook to the geology of the Sacramento Mountains, Otero County, New Mexico: West Texas Geological Society, 1977 Field Conference, Publication 1977-68, p. 73-89.


Raisz, Erwin, 1969, Mapping landforms from space photos—the sunken craters of Potrillo, New Mexico from G4-R3-20, in Earth resource surveys from spacecraft, v. 2: National Aeronautics and Space Administration, Houston, Texas, Earth Resources Group, p. 70.


Randall, Alan, and Dewbre, Joe, 1972, Inventory of water diversions and rate structures for cities, towns, and villages in New Mexico: New Mexico State University, Las Cruces, Agricultural Experiment Station Research Report 241, 50 p.


Ratte, J. C., 1975a, The geologic setting and revised volcanic stratigraphy of the Mogollon district, Catron County, New Mexico [abs.], in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 342-343.

———1975b, Geologic setting and revised volcanic stratigraphy of the Mogollon mining district, Catron County, New Mexico—talk presented to Symposium on base and precious metal districts of New Mexico and Arizona; Silver City, New Mexico, May 22, 1975: U.S. Geological Survey Open-File Report 75-497, 12 p., 4 figs.


———1978a, Supplemental log no. 3; Cliff to U.S. 180 via Rain Creek Mesa and Moon Ranch, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 83-86.

———1978b, Supplemental log no. 4; Gila mining district, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 86-87.


Ratte, J. C., and Finnell, T. L., 1978, Road log third day; Silver City to Reserve via Glenwood and Mogollon, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 49-64.


———1957b, Geology of the Tecolote Hills, Lincoln County, New Mexico [abs.], in Guidebook to southwestern San Juan Mountains, Colorado: New Mexico Geological Society, 8th Field Conference, p. 257.


———1960b, Ground-water levels in New Mexico, 1956: New Mexico State Engineer Technical Report 19, 251 p., 19 figs.


Reeves, C. C., Jr., 1963a, Economic geology of a part of the Hillsboro, New Mexico mining district: Economic Geology, v. 58, no. 8, p. 1278-1284.


Reeves, C. C., Jr., 1965b, Pluvial Lake Palomas, southern New Mexico and northern Chihuahua, Mexico [abs.], in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 242.


Reilinger, R., and Oliver, J. E., 1976, Modern uplift associated with a proposed magma body in the vicinity of Socorro, New Mexico: Geology, v. 4, p. 573-586.

References - Continued


Reynolds, S. E., 1956, New Mexico water resources, in Proceedings 1st Annual New Mexico Water Conference, Las Cruces, p. 6-17, 2 figs.


———1976, Stratigraphy and structure of the northwestern part of the Mogollon Plateau volcanic province, Catron County, New Mexico, in Cenozoic volcanism in southwestern New Mexico: New Mexico Geological Society Special Publication 5, p. 57-62.


Rich, John Lyon, 1911a, Gravel as a resistant rock (near Silver City, New Mexico): Journal of Geology, v. 19, no. 6, p. 492-506.

Rich, John Lyon, 1911c, Recent stream trenching in the semi-arid portion of southwestern New Mexico, a result of removal of vegetation cover [abs.]: American Association of Geographers Annals, v. 1, p. 135.

———1972, Recent stream trenching in the semi-arid portions of southwestern New Mexico, a result of removal of vegetation cover, in Environmental morphology and landscape conservation; v. 1, prior to 1900: Stroudsburg, Pennsylvania, Dowden, Hutchinson, and Ross, p. 263-271.


Richardson, J. K., 1958, Kennecott Copper Corporation Chino mines: New Mexico Professional Engineer, v. 10, no. 12, p. 8-11.


———1968a, Environment of ore deposition at the Mex-Tex deposits, Hansonburg district, New Mexico, from studies of fluid inclusions: Economic Geology, v. 63, no. 4, p. 336-348, 16 figs.


Rose, A. W., 1958a, Significance of the iron content of sphalerite (Central mining district) [abs.]: Geological Society of America Bulletin, v. 69, no. 12, pt. 2, p. 1635.


———1961, The iron content of sphalerite from the Central district, New Mexico and the Bingham district, Utah: Economic Geology, v. 56, no. 8, p. 1363-1384.


———1968b, Stratigraphy and paleontology of the Mississippian bioherms in the northern part of the Sacramento Mountains, New Mexico [abs.]: Dissertation Abstracts International, section B, v. 28, no. 11, p. 4627B-4628B.


———1961, Landscapes and soils in the southern New Mexico desert; Organ Peak and Las Cruces quadrangles and adjacent areas, Dona Ana County, New Mexico [abs.], in Guidebook of the Albuquerque country: New Mexico Geological Society, 12th Field Conference, p. 194-195.


Sabins, F. F., 1965, Road log from San Simon Valley to Blue Mountain, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 81-84.


———1968b, Stratigraphy and paleontology of the Mississippian bioherms in the northern part of the Sacramento Mountains, New Mexico [abs.]: Dissertation Abstracts International, section B, v. 28, no. 11, p. 4627B-4628B.


———1961, Landscapes and soils in the southern New Mexico desert; Organ Peak and Las Cruces quadrangles and adjacent areas, Dona Ana County, New Mexico [abs.], in Guidebook of the Albuquerque country: New Mexico Geological Society, 12th Field Conference, p. 194-195.


Sabins, F. F., 1965, Road log from San Simon Valley to Blue Mountain, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 81-84.


———1968c, Gravity survey in central Socorro County, New Mexico [abs.]: Petroleum Abstracts, v. 8, no. 23, p. 1341.


———1963a, Field trip 9, N.M.I.M.T. seismograph station, Socorro Mountain, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 79.

———1963b, Microearthquakes near Socorro, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 5, no. 5-2196, p. 47.


Schaller, W. T., 1942, Octahedron-like crystals of calcite (Magdalena district, Socorro County, New Mexico): American Mineralogist, v. 27, no. 2, p. 141-143, 1 fig.

Schern, Mike, 1975, Physical, environmental, and economic aspects of exploration within the Blue Range primitive area [abs.], in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 343.


———1932b, Cartography for mining geology: Economic Geology, v. 27, no. 8, p. 716-736, 4 figs.

———1933b, Summary of the geological and metallogenetic history of Arizona and New Mexico, in Ore deposits of the western states: American Institute of Mining and Metallurgical Engineers, p. 316-326, 1 fig.


Schufle, J. A., 1970, Long term movement of water and soil salinity in the weathering zone of arid zone sediments, in Saline water: Rocky Mountain Division, American Association for the Advancement of Science, Committee on Desert and Arid Zone Research Contribution 13, p. 46-56.


Schupbach, M. A., 1973a, Comparison of slope and basinal sediments of a marginal cratonic basin (Pedregosa Basin, New Mexico) and a marginal geosynclinal basin (southern border of Piemontais geosyncline, Bernina Nappe, Switzerland): Rice University, Houston, Texas, unpublished Ph. D. dissertation, 135 p., 25 figs.


Scott, D. B., 1920a, Ore deposits of the Mogollon district, with discussion by H. C. Ferguson: American Institute of Mining and Metallurgical Engineers Transactions, v. 63, p. 289-310, 5 figs.

———1920b, Ore deposits of the Mogollon district [abs.]: Mining and Metallurgy, no. 158, section 1, p. 33, 1 fig.

———1920c, Ore deposits of the Mogollon district: Mining and Metallurgy, section 33, 22 p., 5 figs.


——1978a, Geologic cross sections through the Emory cauldron, Black Range, New Mexico, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, in pocket.

——1978b, Supplemental log no. 2; Organ and Dona Ana calderas, in Field guide to selected cauldrons of the Datil-Mogollon volcanic field New Mexico: New Mexico Geological Society Special Publication 7, p. 73-82.


——1975, Middle to late Tertiary geology of the Cedar Hills-Selden Hills area, Dona Ana County, New Mexico: New Mexico Bureau of Mines and Mineral Resources Circular 133, 23 p., 14 figs.


Shilling, R. W., 1964, Conversion from rail to truck haulage at the Chino pit: Mining Congress Journal, v. 50, no. 4, p. 29-32, 43.


Shuleski, P. J., 1976a, Seismic fault motion and SV screening by shallow magma bodies in the vicinity of Socorro, New Mexico: New Mexico Institute of Mining and Technology, Socorro, Geoscience Department Open-File Report 8, 94 p.


Sidwell, Raymond, and Warn, G. F., 1951, Pennsylvanian sedimentation in northeastern Socorro County, New Mexico: Journal of Sedimentary Petrology, v. 21, no. 1, p. 3-11, 1 fig.


———1976, Revision of upper Paleozoic stratigraphy in the Magdalena area, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 8, no. 5, p. 629-630.


References - Continued


References - Continued


References - Continued


———1963a, Field trip 5, Socorro Peak and Socorro Mountains, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 66-68.

———1963b, Preliminary notes on the geology of part of the Socorro Mountains, Socorro County, New Mexico, in Guidebook to the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 185-196.


———1951b, A prospector in the Magdalenas: New Mexico Magazine, v. 29, no. 6, p. 16-17, 37, 39-40.

Smith, T. E., 1951d, A prospector in the Magdalenas: New Mexico Magazine, v. 29, no. 10, p. 27, 45, 47, 49.

———1951e, A prospector in the Magdalenas: New Mexico Magazine, v. 29, no. 11, p. 23, 43, 45-47.


Snell, C. C., 1953, The Hanover mine—milling and service: Mining Engineer, v. 5, no. 12, p. 1230-1232, 1 fig.


———1893, Copper crystallization at the Copper Glance and Potosi mines, Grant County, New Mexico: American Institute of Mining Engineers Transactions, v. 21, p. 308-313.


References - Continued


———1967b, Western closed basins—settlement, development, and water use, in Water resources of New Mexico—occurrence, development, and use: New Mexico State Planning Office, p. 179-182.


—— 1957, Full development of water resources in New Mexico and Arizona [abs.]: American Geophysical Union Transactions, v. 38, no. 3, p. 419-420.

—— 1958a, Preliminary proposal for coordinated development of surface and ground water in the Tularosa area, Otero County, New Mexico: New Mexico State Engineer Open-File Report, 4 p.


Spradlin, E. J., 1975, Geologic map and sections of the Joyita Hills area, Socorro County, New Mexico (with emphasis on Tertiary volcanic rocks): U.S. Geological Survey Open-File Map 75-139.


———1947, Brachiopoda of the Percha shale of New Mexico and Arizona: Journal of Paleontology, v. 21, no. 4, p. 297-328.


References - Continued


———1959, Plio-Pleistocene sediments and climates of the San Augustine Plains, New Mexico--a discussion, in Guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 120.


Steele, Hugh, 1957, Underground mining--the trends in 1956-Arizona and New Mexico: Mining Engineer, v. 9, no. 2, p. 177-178.


———1968b, Fusulinidae of the Laborcita Formation, (lower Permian), Sacramento Mountains, New Mexico [abs.]: Petroleum Abstracts, v. 8, no. 8, p. 378.


Stevenson, F. V., 1944, Devonian of New Mexico [abs.]: Dallas Digest, Program of 29th Annual Meeting, American Association of Petroleum Geologists, v. 94-95.


Stock, Chester, 1930, Quaternary antelope remains from a second cave deposit in the Organ Mountains, New Mexico: Los Angeles, California Museum Publication 2, 18 p., 3 figs.


———1949a, Mining methods and costs at the Atlas No. 2 zinc-lead mine, west Pinos Altos mining district, Grant County, New Mexico: U.S. Bureau of Mines Information Circular IC 7524, 11 p., 7 figs.

———1949b, Mining methods and costs at the Atwood copper mine, Lordsburg mining district, Hidalgo County, New Mexico: U.S. Bureau of Mines Information Circular IC 7502, 11 p., 5 figs.


References - Continued


———1944, Ores for the future and use of the spectrograph in seeking them (exemplified by beryllium discovery at Iron Mountain, New Mexico) [abs.]: Geological Society of America Bulletin, v. 55, no. 12, p. 1483.


References - Continued


— 1965b, A preliminary report on New Mexico's geothermal energy resources: New Mexico Bureau of Mines and Mineral Resources Circular 80, 41 p., 1 fig.


— 1966b, The sodium-ion concentration in New Mexico's thermal water [abs.]: New Mexico Academy of Science Bulletin, v. 7, no. 1, p. 27.


— 1969a, Geological survey of thermal ground waters in New Mexico [abs.]: Geological Society of America, Abstracts with Programs, pt. 5, p. 79.

— 1969b, Geological survey of thermal ground waters in New Mexico [abs.]: Petroleum Abstracts, v. 9, no. 18, p. 1167.


———1958b, Santafeite, a new hydrated vanadate from New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 6, no. 3, p. 15.


———1975c, Geochemical studies of two geothermal areas in New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 56, no. 12, p. 1073.


References - Continued


———1933, Source and growth of the white sands of New Mexico [abs.]: Pan-American Geologist, v. 60, no. 4, p. 304.


References - Continued


———1955b, Geology of the southern part of the Fra Cristobal Range, Sierra County, New Mexico: University of New Mexico, Albuquerque, unpublished M.S. thesis, 75 p.

———1961, Geology of the southern part of the Fra Cristobal Range, Sierra County, New Mexico [abs.], in Guidebook of the Albuquerque country: New Mexico Geological Society, 12th Field Conference, p. 199.

Thompson, Sam, III, and Bieberman, R. A., 1975, Oil and gas exploration wells in Dona Ana County, New Mexico, in Guidebook of the Las Cruces country: New Mexico Geological Society, 26th Field Conference, p. 171-174.


Thompson, T. B., 1964, A stratigraphic section of the Sierra Blanca volcanics in the Nogal Peak area, Lincoln County, New Mexico, in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 76-78.


References - Continued


———1973b, Sierra Blanca igneous complex, New Mexico [abs.]: Geological Society of America, Abstracts with Programs, v. 5, no. 6, p. 520.


———1961b, Genesis and control of the Linchburg orebody, Socorro County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 3, no. 3866, p. 56.


———1967, Central closed basins--geography, geology, and hydrology, in Water resources of New Mexico: New Mexico State Planning Office, Santa Fe, p. 97-111.


———1973, Crustal structure in central New Mexico [abs.]: American Geophysical Union (EOS) Transactions, v. 54, no. 11, p. 1141.


Trauger, F. D., 1960, Availability of ground water at proposed well sites in Gila National Forest, Sierra and Catron Counties, New Mexico: New Mexico State Engineer Technical Report 18, 20 p., 2 figs.

———1961, Availability of ground water at proposed well sites in Gila National Forest, Sierra and Catron Counties, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 3, no. 3-2757, p. 60.


———1964, Ground water in relation to the economy and geology of Grant County, New Mexico [abs.], in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 188-189.


———1962b, Ground water in central Hachita Valley northeast of the Big Hatchet Mountains, Hidalgo County, New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4446, p. 42.

Trauger, F. D., and Lavery, N. G., 1976, Geohydrology of the upper Pipe Line Draw area, Grant County, New Mexico: Exxon Corporation report, 48 p.

Trauger, F. D., and Netelbeek, T. A., 1965, Road log from Silver City to Lordsburg, in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 67-76.


Tuan, Y. F., 1962b, Structure, climate, and basin land forms in Arizona and New Mexico [abs.]: American Geological Institute, Geoscience Abstracts, v. 4, no. 4-3495, p. 10.


———1916, Copper in the red beds of New Mexico: Economic Geology, v. 11, p. 594-597.


Turner, S. F., and Halpenny, L. C., 1941, Ground-water investigation in the upper Gila River Valley, New Mexico and Arizona; scope of investigations and methods used: American Geophysical Union Transactions, 22 Annual Meeting, pt. 3, p. 738-744, 4 figs.


———1941b, Water resources of Safford and Duncan-Virden Valleys, Arizona and New Mexico, with analyses by J. D. Hem: Arizona State Water Commissioner, Tucson, 58 p. (15 figs. bound separately).

Ulvog, Carl, and Thompson, Sam, III, 1964a, Road log from Capitan to the Capitan iron deposits, with a note by V. C. Kelley, in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 31-33.


Ulvog, Carl, and Thompson, Sam, III, 1964k, Supplemental road logs--Gallinas to Gallinas Peak; Gallinas to Carrizozo; Roswell to Hondo; Hondo to Ruidoso; Ruidoso to Pajarito Mountain, in Guidebook of the Ruidoso country: New Mexico Geological Society, 15th Field Conference, p. 47-54.


———1969, Water resources development by the U.S. Army, Corps of Engineers in New Mexico: 30 p.


—— 1978b, Water resources management program for New Mexico and Oklahoma: New Mexico State Office, Santa Fe, pages vary.


—— 1942b, Spar (fluorspar) mine, Catron County, New Mexico: War Minerals Report 24, 7 p.

—— 1942c, United States fluorspar mine, Sierra County, New Mexico: War Minerals Report 21, 4 p.


U.S. Bureau of Reclamation, 1914, Map of Mesilla Valley showing various known channels; Rio Grande project, New Mexico-Texas: U.S. Department of the Interior, map.


—— 1972, Unpublished water records for Elephant Butte Reservoir, New Mexico for the years 1917 to date: pages vary.


U.S. Bureau of Reclamation, 1976, New Mexico water resources assessment for planning purposes: U.S. Bureau of Reclamation, New Mexico Interstate Stream Commission and New Mexico State Engineer, 218 p., 31 figs, boxed map folio.


U.S. Department of Agriculture, 1965-1978, the small watershed program in New Mexico: U.S. Department of Agriculture, Soil Conservation Division, annual report.


—1978b, Flood hazard boundary map, Lincoln County, New Mexico: 46 p.

—1978c, Flood hazard boundary map, Luna County, New Mexico: 34 p.

—1978d, Flood hazard boundary map, Otero County, New Mexico: 68 p.
References - Continued


—— 1978f, Flood insurance study, city of Lordsburg, New Mexico, Hidalgo County: 13 p.


—— 1971, Map showing the general depth to ground water in New Mexico: Open-File Map.


—— 1972b, Map showing estimated thickness of aquifers that contain brine in New Mexico: Open-File Map.

—— 1972c, Map showing estimated thickness of aquifers that contain fresh ground water in New Mexico: Open-File Map.

—— 1972d, Map showing estimated thickness of aquifers that contain moderately saline ground water in New Mexico: Open-File Map.

—— 1972e, Map showing estimated thickness of aquifers that contain slightly saline ground water in New Mexico: Open-File Map.

—— 1972f, Map showing estimated thickness of aquifers that contain very saline ground water in New Mexico: Open-File Map.

—— 1972g, Map showing observed changes of ground-water level and hydrographs of selected wells in New Mexico: Open-File Map.

—— 1972h, Map showing the estimated potential yield of water wells in New Mexico: Open-File Map.


References - Continued


——1976d, Water resources data for New Mexico, 1975: Water-Data Report NM-75-1, 603 p., 5 figs.


References - Continued


Van Hylckama, T. E. A., 1963, Growth, development and water use by saltcedar (Tamarix pentandra) under different conditions of weather and access to water, in General Assembly of Berkeley, committee for evaporation: International Association of Scientific Hydrology Publication 62, p. 75-86, 3 figs.


Vaughn, P. P., 1969, Early Permian vertebrates from southern New Mexico and their paleozoogeographic significance: Los Angeles County Museum Contributions to Science 166, 22 p.

References - Continued


Vernon, J. J., 1904, Irrigation investigations at New Mexico Experiment Station, Mesilla Park, New Mexico: U.S. Department of Agriculture Experiment Station Bulletin 158, p. 303-317.


———1956b, Uraniferous magnetite-hematite deposit at the Prince mine, Lincoln County, New Mexico: Economic Geology, v. 51, no. 3, p. 213-222.


Walter, R. J., Jr., 1940, The construction of Caballo Dam, New Mexico: New Mexico Institute of Mining and Technology, Socorro, unpublished professional engineer thesis.

Walters, M. A., 1972, Geological and geochemical evidence for a possible concealed mineral deposit near the Old Hadley mining district, Luna County, New Mexico: Stanford University, Palo Alto, California, unpublished M.S. thesis.


———1959c, Volcanic stratigraphy of southwestern New Mexico and southeastern Arizona [abs.], in Guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 158.

———1960a, Magnetic susceptibility and fusion data for some volcanic rocks from southwestern New Mexico: Geological Society of America Bulletin, v. 71, no. 1, p. 87-92, 4 figs.
Wargo, J. G., 1960b, Magnetic susceptibility and fusion data for some volcanic rocks from southwestern New Mexico [abs.]: American Geological Institute, Geologic Abstracts, v. 2, no. 3, p. 35.


—1963a, Cenozoic volcanic rocks of Socorro County, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 132-143.

References - Continued


———1963a, Field trip 1, western Bear Mountains northwestward from Socorro via U.S. 60 and N.M. 52, in Guidebook of the Socorro region, New Mexico: New Mexico Geological Society, 14th Field Conference, p. 38-41.


References - Continued

Wedekind, F. E., 1962, Geochemical survey of tungsten along the Young America fault, Magdalena mining district, New Mexico: New Mexico Institute of Mining and Technology, Socorro, unpublished M.S. thesis.


———1966, Geology and availability of ground water in the northern part of the White Sands Missile Range and vicinity, New Mexico [abs.]: Abstracts of North American Geology, May, p. 534.


———1959b, Foreword to guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 11.


References - Continued


Wengerd, S. A., 1959, Regional geology as related to petroleum potential of the Lucero region, west-central New Mexico, in Guidebook of west-central New Mexico: New Mexico Geological Society, 10th Field Conference, p. 121-134.


West Texas Geological Society and Southwestern New Mexico Section, American Institute of Mining and Metallurgical Engineers, 1949, Guidebook to geology and ore deposits of Silver City region, New Mexico: 3rd Field Conference, 45 p.


———1931b, Preliminary report on the ground-water supply of Mimbres Valley, New Mexico, in 9th biennial report, 1928-30: New Mexico State Engineer, p. 131-152.

———1932, Progress report on the ground-water supply of the Mimbres Valley, New Mexico, in 10th biennial report, 1930-32: New Mexico State Engineer, p. 183-228.


White, W. N., and Guyton, W. F., 1951, Ground water in the Mimbres Valley, New Mexico with special reference to the available water supply in the Miesse district, east of the Florida Mountains: White and Guyton, Austin, Texas, 33 p.


Wilbanks, J. R., 1965, A description of an inexpensive method to separate zircon and interpretation of zircon data from the Copper Flat intrusive, Hillsboro, New Mexico [abs.], in Guidebook of southwestern New Mexico II: New Mexico Geological Society, 16th Field Conference, p. 244.


References - Continued


———1969d, Influence of local structures on sedimentary cycles of late Pennsylvanian beds of the Sacramento Mountains, Otero County, New Mexico [abs.]: Petroleum Abstracts, v. 9, no. 21, p. 1360.


———1970, Upper Paleozoic history of the western Diablo Platform, west Texas and south-central New Mexico, in Symposium on the geologic framework of the Chihuahua tectonic belt: West Texas Geological Society and University of Texas, Austin, p. 57-64.


———1975b, Regional Mississippian facies and thickness in southern New Mexico and Chihuahua, in Guidebook to Mississippian shelf-edge and basin facies carbonates, Sacramento Mountains and southern New Mexico region: Dallas Geological Society, 1975 Field Conference, p. 125-128, 3 figs.


Wilson, R. P., and White, N. D., 1976, Maps showing ground-water conditions in the San Simon area, Cochise and Graham Counties, Arizona, and in Hidalgo County, New Mexico, 1975: U.S. Geological Survey Water-Resources Investigations 76-89, 2 sheets.


———1921b, Geology of Alamosa Creek Valley, Socorro County, New Mexico with special reference to the occurrence of oil and gas [abs.]: Washington Academy of Science Journal, v. 11, no. 11, p. 260.


Winkler, H. A., 1951a, Preliminary report of some geophysical ground-water exploration at Lake Valley, Sierra County, New Mexico: New Mexico Institute of Mining and Technology, Socorro, Research and Development Division Report GI-4, 4 p., 1 fig.

———1951b, Preliminary report of some geophysical ground-water exploration in Sierra County, New Mexico: New Mexico Institute of Mining and Technology, Socorro, Research and Development Division Report GI-3, 6 p., 3 figs.

———1952a, A comparison between seismic and resistivity depth profiles between Willow and Hughes Hills near Carrizozo, New Mexico: New Mexico Institute of Mining and Technology, Socorro, Research and Development Division Report GI-2, 3 p., 1 fig.

———1952b, Geophysical exploration for shallow ground water near Pinon, Otero County, New Mexico: New Mexico Institute of Mining and Technology, Socorro, Research and Development Division Report GI-20, 4 p., 4 figs.

———1952c, Preliminary report, Ruidoso geophysical ground-water survey: New Mexico Institute of Mining and Technology, Socorro, Research and Development Division Report GI-8, 15 p., 4 figs.

———1953a, Ground-water survey at Silver City, New Mexico: New Mexico Institute of Mining and Technology, Socorro, 18 p.

———1953b, Resistivity reconnaissance for ground water in the Tularosa Basin, Otero County, New Mexico: New Mexico Institute of Mining and Technology, Socorro, Research and Development Division Report GI-16, 9 p., 3 figs.


Woodyard, K. E., 1956, Clays of St. John's vicinity, Arizona and New Mexico: University of Texas, Austin, unpublished M.A. thesis.


———1930, Milling methods and costs at the Black Hawk concentrator, Hanover, New Mexico: U.S. Bureau of Mines Information Circular IC 6359, 15 p., 3 figs.


Wright, W. S., 1943, Records of Black Hawk operations at Mogollon: American Institute of Mining Engineering and Mining Technology Publication 1564, v. 7, no. 2.


Wuestra, Herman, 1931, The minerals of Silver City, New Mexico, district: Rocks and Minerals, v. 7, no. 4, p. 121-125.

References - Continued

Wynn, J. C., and Dansereau, D. A., 1978, Complete Bouguer gravity map of the San Lorenzo and Hillsboro quadrangles, Grant and Sierra counties, New Mexico: U.S. Geological Survey Miscellaneous Field Studies Map MF-900-M.


———1962, Changes in quantity of ground water, in 6th annual New Mexico water conference: New Mexico State University, Las Cruces, p. 23-30.


—1975, Basin margin sedimentation, Rancheria Formation, Sacramento Mountains, New Mexico, in Guidebook to Mississippian shelf-edge and basin facies carbonates, Sacramento Mountains and southern New Mexico region: Dallas Geological Society, 1975 Field Conference, p. 67-86.


References - Concluded


References - Concluded

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