

Thesis and Dissertation Index of Arizona Geology to December 1979

From The University of Arizona, Arizona State University, and Northern Arizona University

compiled by

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Introduction

This list is a compilation of all graduate theses and dissertations completed at The University of Arizona, Arizona State University, and Northern Arizona University concerning the geology of Arizona. The list is complete through December 1979.

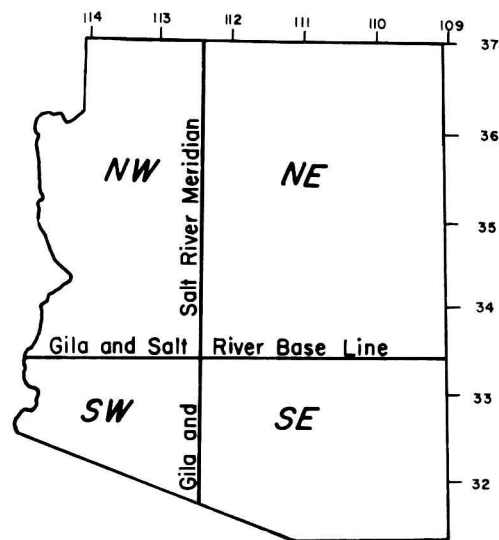
To facilitate the use of this list as a reference, papers are arranged alphabetically into five sections on the basis of study area. Four sections cover the four quadrants of the state of Arizona using the Gila and Salt River Meridian and Base Line (Fig. 1), and the fifth section contains theses that pertain to the entire state. A thesis or dissertation that includes work in two quadrants is listed under both sections. Those covering subjects or areas outside of the geology of Arizona are omitted.

This list was compiled from tabulations of geology theses graciously supplied by each university. Although care was taken to include all theses, some may have been inadvertently overlooked. It is hoped that readers will report any omissions so they may be included in Digest XIII.

Digest XIII will contain an update of work completed at Arizona universities, as well as a list of theses and dissertations on Arizona geology completed at universities outside of the state.

Grateful acknowledgment is made of the assistance of Tom L. Heidrick, who inspired the project and who, with Joe Wilkins, Jr. and Anne Candeia, reviewed the compilation. Georgia Recchio compiled and typed the list. Each of the universities is thanked for its cooperation.

Fig. 1. Map of Arizona showing division of the state into four quadrants using the Gila and Salt River Meridian and Base Line.



Northeast Quadrant

- Agasie, John M., 1967 M.S., UA
Upper Cretaceous palynomorphs from Coal Canyon, Coconino County, Arizona, 104 p.
- Akers, J. P., 1960 M.S., UA
The Chinle Formation of the Paria Plateau area, Arizona and Utah, 83 p.
- Alexander, William J., 1974 M.S., NAU
Reconnaissance geology and geomagnetics of western Flagstaff, Coconino County, Arizona, 67 p.
- Anderson, Susan Leslie, 1973 M.S., ASU
Investigation of the Mesa earth crack, Arizona, attributed to differential subsidence due to groundwater withdrawal, 111 p.

¹Gulf Mineral Resources Co., Tucson,
AZ 85705

- Aylor, Joseph Garnett, Jr., 1973 M.S., ASU
The geology of Mummy Mountain, Phoenix, Arizona, 86 p.
- Bailey, James S., 1955 Ph.D., UA
A stratigraphic analysis of Rico strata in the Four Corners region, 88 p.
- Baldwin, Evelyn Joan, 1971 Ph.D., UA
Environments of deposition of the Moenkopi Formation in north-central Arizona, 208 p.
- Baskin, Jon Alan, 1975 M.S., UA
Small vertebrates of the Bidahochi Formation, White Cone, northeastern Arizona, 105 p.
- Bejnar, Waldomere, 1952 Ph.D., UA
Geology of the Ruin Basin area, Gila County, Arizona, 103 p.
- Belden, William A., 1954 M.S., UA
The stratigraphy of the Toroweap Formation, Aubrey Cliffs, Coconino County, Arizona, 77 p.
- Benfer, Jon Alan, 1971 M.S., NAU
The petrology of the eastern phase of the Toroweap Formation, Walnut Canyon, Arizona, 85 p.
- Bishop, Ottey M., 1935 M.S., UA
Geology and ore deposits of the Richmond Basin area, Gila County, Arizona, 50 p.
- Bladh, Katherine Laing, 1972 M.S., UA
Petrology of the O'Leary Peak volcanics, Coconino County, Arizona, 129 p.
- Bladh, Katherine Laing, 1976 Ph.D., UA
Rapakivi formation of O'Leary Peak porphyry, 125 p.
- Bladh, Kenneth W., 1973 M.S., UA
The clay mineralogy of selected fault gouges, 70 p.
- Bollin, Edgar M., 1955 M.S., UA
The geology of the Kaibab Formation, Marble Platform, Coconino County, Arizona, 105 p.
- Boyce, Joseph Michael, 1972 M.S., NAU
The structure and petrology of the older Precambrian crystalline rocks, Bright Angel Canyon, Grand Canyon, Arizona, 88 p.
- Boyer, Jeffrey Alan, 1974 M.S., UA
Hydrogeology of the Carefree Ranch area, Maricopa County, Arizona, 75 p.
- Briscoe, Melanie, 1974 M.S., NAU
An investigation of the invertebrate paleontology of the Tsegi and Naha formations in Tsegi Canyon, Arizona, 77 p.
- Broomhall, Robert W., 1978 M.S., NAU
Geology of Dry Creek—West Fork area, central Arizona, 99 p.
- Brown, J. W., 1969 M.S., UA
Stratigraphy, petrology, and depositional history of the Kaibab Formation between Cameron and Desert View, Coconino County, Arizona, 119 p.
- Burgert, Barrett L., 1972 M.S., NAU
Petrology of the Cambrian Tapeats Sandstone, Grand Canyon, Arizona, 156 p.
- Callahan, Joseph T., 1951 M.S., UA
The geology of the Glen Canyon Group of the Echo Cliffs region, Arizona, 100 p.
- Christenson, Gary E., 1976 M.S., ASU
Environmental geology of the McDowell Mountains area, Maricopa County, Arizona: Part I, 69 p.
- Clayton, Nancy Ann, 1975 M.S., ASU
Land use planning: Dinosaur Mountain area, Pinal County, Arizona, 57 p.
- Condit, Christopher D., 1973 M.S., NAU
The geology of Shadow Mountain, Coconino County, Arizona, 71 p.
- Conrad, Robert D., 1964 M.S., UA
Pre-Devonian unconformity, Gila County, Arizona, 56 p.
- Cooley, Maurice E., 1957 M.S., UA
Geology of the Chinle Formation in the upper Little Colorado River drainage area, Arizona and New Mexico, 317 p.

- Cordy, Gail E., 1978 M.S., ASU
Environmental geology of the Paradise Valley quadrangle, Maricopa County, Arizona: Part II, 89 p.
- Dalton, Russell O., 1972 M.S., NAU
Stratigraphy of the Bass Formation, 140 p.
- Daneker, Thomas M., 1975 M.S., NAU
Sedimentology of the Precambrian Shinumo sandstone, Grand Canyon, Arizona, 195 p.
- Deslauriers, Edward C., 1977 M.S., ASU
Geophysics and hydrology of the lower Verde River valley, Maricopa County, Arizona, 61 p.
- DeWitt, Ed, 1976 M.S., UA
Precambrian geology and ore deposits of the Mayer-Crown King area, Yavapai County, Arizona, 150 p.
- Dodge, Constance Nuss, 1973 M.S., UA
An analysis and comparison of pebbles from the Chinle and Morrison Formations, Arizona and New Mexico, 49 p.
- Dunlap, Richard E., 1969 M.S., UA
The geology of the Pinta Dome-Navajo Springs helium fields, Apache County, Arizona, 73 p.
- Durand, Harvey S., 1967 M.S., UA
Geology of the Sahuaro Lake area, Maricopa County, Arizona, 51 p.
- Earl, Thomas A., 1973 Ph.D., UA
A hydrogeologic study of an unstable open-pit slope, Miami, Gila County, Arizona, 154 p.
- Emmons, Patrick Jay, 1978 M.S., UA
Relationship between seismic velocity, degree of weathering, and seepage potential: Watershed 12, Beaver Creek watershed, Coconino County, Arizona, 71 p.
- Evans, Thomas J., 1971 M.S., UA
A stratigraphic study of the Toroweap Formation (Permian) between Sycamore and Oak Creek Canyons, Arizona, 111 p.
- Evensen, Charles G., 1953 M.S., UA
A comparison of the Shinarump conglomerate on the Hoskinnini Mesa with that in other selected areas in Arizona and Utah, 88 p.
- Evensen, James M., 1969 Ph.D., UA
Geology of the central portion of the Agua Fria mining district, Yavapai County, Arizona, 121 p.
- Fielden, John R., III, 1975 M.S., ASU
Ground water and nitrate in Paradise Valley, Arizona, 77 p.
- Fodor, Ronald Victor, 1969, M.S., ASU
Petrography and petrology of the volcanic rocks in the Goldfield Mountains, Arizona, 66 p.
- Fouts, James Allen, 1974 Ph.D., UA
Petrology and chemistry of some diabase sills in central Arizona, 158 p.
- Frazier, Robert H., 1961 M.S., UA
The Fort Apache limestone of east-central Arizona, 58 p.
- Gebel, Dana Carl, 1978 M.S., NAU
Stratigraphy of the Nankoweap Formation, eastern Grand Canyon, Arizona, 129 p.
- Gerrard, Thomas A., 1964 Ph.D., UA
Environment studies of the Fort Apache Member, Supai Formation (Permian), east-central Arizona, 187 p.
- Gilman, Chandler, R., 1965 M.S., UA
Geology and geohydrology of the Sitgreaves Mountain area, Coconino County, Arizona, 87 p.
- Gordon, Arthur J., 1977 M.S., ASU
Trace element geochemistry of the San Francisco Peaks, Arizona, 96 p.
- Gottesfeld, Allen Saul, 1971 M.S., UA
Paleoecology of the Chinle Formation in the Petrified Forest National Park, Arizona, 87 p.

- Gray, Gary W., 1977 M.S., ASU
Cobalt, iron, nickel and grain size distribution, Meteor Crater, Arizona, 128 p.
- Gray, Irving B., 1961 Ph.D., UA
Nature and origin of the Moenkopi-Shinarump hiatus in Monument Valley, Arizona and Utah, 94 p.
- Grundy, Wilbur D., 1953 M.S., UA
Geology and uranium deposits of the Shinarump conglomerate of Nakai Mesa, Arizona and Utah, 88 p.
- Harrison, Gary Clyde, 1976 M.S., NAU
Facies analysis of the Devonian of the Black Mesa Basin, Arizona, 57 p.
- Harshbarger, John W., 1948 M.S., UA
The Upper Jurassic stratigraphy of Black Mesa, Arizona, 117 p.
- Harshbarger, John W., 1949 Ph.D., UA
Petrography and stratigraphy of Upper Jurassic rocks of central Navajo Reservation, Arizona, 216 p.
- Hazenbush, George Cordery, 1972 Ph.D., UA
Stratigraphy and micropaleontology of the Mancos Shale (Cretaceous), Black Mesa Basin, Arizona, 182 p.
- Hendricks, John D., 1972 M.S., NAU
Younger Precambrian basaltic rocks of the Grand Canyon, Arizona, 122 p.
- Henkle, William R., Jr., 1976 M.S., NAU
Geology and engineering geology of eastern Flagstaff, Coconino County, Arizona, 123 p.
- Hereford, Richard, 1971 M.S., NAU
Cambrian-Devonian stratigraphy and Cambrian petrology in northern Yavapai County, Arizona, 137 p.
- Hevley, Richard Holmes, 1964 Ph.D., UA
Pollen analysis of Quaternary archeological and lacustrine sediments from the Colorado Plateau, 124 p.
- Hillier, Mark R., 1978 M.S., ASU
A geochemical study of the latite of Government Well, Superstition Mountains, Arizona, 69 p.
- Holway, Jeffrey V., 1977 M.S., ASU
Environmental geology of the Paradise Valley quadrangle, Maricopa County, Arizona: Part I, 64 p.
- Honey, James Gilbert, 1977 M.S., UA
The paleontology of the Browns Park Formation in the Maybell, Colorado area, and a taphonomic study of two fossil quarries, Colorado and Arizona, 197 p.
- Hughes, Scott Stevens, 1978 M.S., NAU
Geology of the southwestern part of Bill Williams Mountain quadrangle, Coconino County, Arizona, 79 p.
- Iberall, Eleanora Roberta, 1972 M.S., UA
Paleoecological studies from fecal pellets: Stanton's Cave, Grand Canyon, Arizona, 67 p.
- Ijirigho, Bruce Tajinere, 1977 M.S., UA
Pennsylvanian subsurface stratigraphy of the Black Mesa Basin and Four Corners area in north-eastern Arizona, 62 p.
- Jackson, Robert L., 1951 M.S., UA
The stratigraphy of the Supai Formation along the Mogollon Rim, central Arizona, 82 p.
- Johnson, Allen H., 1967 M.S., UA
Stratigraphy and paleoenvironment of the Dinosaur Canyon Member of the Moenave Formation (Upper Triassic) in the southern part of the Navajo and Hopi Indian Reservations, Arizona, 123 p.
- Johnston, Ian McKay, 1975 Ph.D., UA
A detailed stratigraphic and environmental analysis of the San Rafael Group (Jurassic) between Black Mesa, Arizona, and the southern Kaiparowitz Plateau, Utah, 510 p.

- Kayler, Kyle L., 1978 M.S., ASU
Geology of the Humboldt Mountain area, Arizona, 101 p.
- Kent, W. Norman, 1975 M.S., NAU
Facies analysis of the Mississippian Redwall Limestone in the Black Mesa region, 186 p.
- Kiven, Charles Wilkinson, 1976 M.S., UA
Kinematics of deformation at the southwest corner of the Monument uplift, 84 p.
- Kluth, Charles F., 1974 M.S., NAU
Geology of the Elden Mountain area, Coconino County, Arizona, 89 p.
- Kokalis, Peter George, 1971 M.S., ASU
Terraces of the lower Salt River valley, Arizona, 104 p.
- Kovas, Edward J., 1978 M.S., NAU
The geology of the Sheep Basin Mountain area, northern Sierra Anchas, Gila County, Arizona, 96 p.
- Kypfer, Marvin Douglas, 1979 M.S., UA
Environmental geology of ski area developments, 102 p.
- Laidley, Richard A., 1966 Ph.D., UA
An X-ray fluorescent analysis study of the distribution of selected elements within the Hopi Buttes volcanics, Navajo County, Arizona, 99 p.
- Lange, Nixon Richard, 1976 M.S., UA
A paleomagnetic study of the Pliocene mudstones of the Verde Formation, northern, Arizona, 68 p.
- Langman, James W., 1977 M.S., NAU
The Shinarump Member of the Chinle Formation in northern Arizona and southern Utah, 106 p.
- Lausen, Carl, 1923 M.S., UA
Geology of the Old Dominion mine, Globe, Arizona, 155 p.
- Legge, John A., 1939 M.S., UA
Paragenesis of the ore minerals of the Miami mine, Arizona, 47 p.
- Lipinski, Paul William, 1976 M.S., UA
The Gamma Member of the Kaibab Formation (Permian) in northern Arizona, 183 p.
- Little, Lynne A., 1975 M.S., ASU
Geology and land-use investigation in the Pinnacle Peak area, Maricopa County, Arizona, 102 p.
- Livingston, Donald E., 1969, Ph.D., UA
Geochronology of older Precambrian rocks in Gila County, Arizona, 224 p.
- Loyal, David B., 1976 M.S., NAU
Structural analysis of the Lake Mary Field area with the hydrologic interpretations, Coconino County, Arizona, 123 p.
- Lowery, Carol Janette, 1964 M.S., ASU
Sedimentation of Cenozoic deposits in western Salt River valley, Arizona, 22 p.
- Lufholm, Peter Henry, 1975 M.S., NAU
The geophysical analysis of the Gray Mountain area, Coconino County, Arizona, 54 p.
- Malone, Gary Bruce, 1972 M.S., ASU
The geology of the volcanic sequence in the Horse Mesa area, Arizona, 68 p.
- Marshall, Donald R., 1972 M.S., NAU
Gravity gliding at Gray Mountain, Coconino County, Arizona, 83 p.
- Martinsen, Randi S., 1975 M.S., NAU
Geology of a part of the East Verde River Canyon, near Payson, Arizona, 117 p.
- Mayer, Larry, 1979 M.S., UA
The geology and geomorphology of the Buckhead Mesa area, Gila County, Arizona, 112 p.
- McCabe, Kirk W., 1971 M.S., NAU
Geology and botany of Stoneman Lake area, Coconino County, Arizona, 104 p.

- McCain, Ronald Gordon, 1976 M.S., NAU
Relationship between water loss from stream channels and gravity and seismic measurements: Beaver Creek Watershed 7, Coconino County, Arizona, 101 p.
- McLain, John P., 1965 M.S., UA
Photographic analysis of lineaments in the San Francisco volcanic field, Coconino and Yavapai Counties, Arizona, 31 p.
- Meador, Norman Mark, 1977 M.S., UA
Paleoecology and paleoenvironments of the Upper Devonian Martin Formation in the Roosevelt Dam-Globe area, Gila County, Arizona, 124 p.
- Merrill, Robert Kimball, 1970 M.S., ASU
The glacial geology of the Mount Baldy area, Apache County, Arizona, 118 p.
- Merrill, Robert Kimball, 1974 Ph.D., ASU
The late Cenozoic geology of the White Mountains, Apache County, Arizona, 202 p.
- Merrin, Seymour, 1954 M.S., UA
The Cretaceous stratigraphy and mineral deposits of the east face of Black Mesa, Arizona, 93 p.
- Murray, Kent Stephen, 1978 M.S., NAU
Geology of the Woody Mountain volcanic field, Coconino County, Arizona, 89 p.
- Passmore, Virginia L., 1969 M.S., UA
Subsurface stratigraphy of the Supai Formation in east-central Arizona, 48 p.
- Peacock, Edward W., 1979 M.S., NAU
Paleomagnetic and geomagnetic studies in the Lake Mary area, Coconino County, Arizona, 83 p.
- Pederson, Edward Peter, 1969 M.S., ASU
Sedimentology and stratigraphy of basinfill sediments of the Payson Basin, Gila County, Arizona, 136 p.
- Peirce, H. Wesley, 1962 Ph.D., UA
Stratigraphy of the De Chelly Sandstone of Arizona and Utah, 208 p.
- Peters, Dusty, 1979, M.S., ASU
The sedimentologic history of the sandstones of Tempe Butte, Arizona, 197 p.
- Pettengill, James Gardner, 1970 M.S., NAU
Structural analysis of the Coconino Point, Coconino County, Arizona, 86 p.
- Pfirman, Richard S., 1968 M.S., UA
Stratigraphy and history of Toroweap Formation (Permian) between Grindstone Canyon and Sycamore Canyon, Coconino County, Arizona, 108 p.
- Pickens, Caroline M., 1974 M.S., ASU
The Dakota Formation, Black Mesa Basin, Arizona—a deltaic complex, 130 p.
- Pope, Clifton Washington, Jr., 1974 M.S., ASU
Geology of the lower Verde River valley, Maricopa County, Arizona, 104 p.
- Pope, Robert William, 1976 M.S., NAU
An analysis of the carbonate facies of the Hermosa Formation (Pennsylvanian) of northeastern Arizona, 134 p.
- Price, William E., Jr., 1948 M.S., UA
Rim rocks of Sycamore Canyon, Arizona, 93 p.
- Pugmire, Ralph U., 1977 M.S., NAU
The geology of Bill Williams Mountain, Coconino County, Arizona, 97 p.
- Reed, Stephen V., 1976 M.S., NAU
Stratigraphy and depositional environment of the upper Precambrian Hakatai shale, Grand Canyon, Arizona, 163 p.
- Reid, Reginald E., 1975 M.S., NAU
Geologic hazards in a portion of east Flagstaff, Coconino County, Arizona, 120 p.
- Reid, Sue Ann, 1972 M.S., UA
Microfauna from selected Pennsylvanian (Naco) sections in south-central Arizona, 229 p.
- Roadifer, Jack E., 1966 Ph.D., UA
Stratigraphy of the Petrified Forest National Park, Arizona, 152 p.

- Robertson, Fredrick N., 1975 M.S., ASU
Hexavalent chromium in the ground water in Paradise Valley, Maricopa County, Arizona, 121 p.
- Roe, Robert Ralph, 1976 M.S., UA
Geology of the Squaw Peak porphyry copper-molybdenum deposit, Yavapai County, Arizona, 102 p.
- Rogers, Ralph David, 1977 M.S., UA
Copper mineralization in Pennsylvanian-Permian rocks of the Tonto Rim segment of the Mogollon Rim in central Arizona, 65 p.
- Sabels, Bruno Erich, 1960 Ph.D., UA
Late Cenozoic volcanism in the San Francisco volcanic field and adjacent areas in north-central Arizona, 135 p.
- St. Clair, Charles S., 1957 M.S., UA
Geologic reconnaissance of the Agua Fria River area, central Arizona, 76 p.
- Schofield, Richard Edward, 1976 M.S., UA
The petrology and geochemistry of the Cienega Falls diabase sill, Salt River Canyon area, Gila County, Arizona, 68 p.
- Scholtz, Judith Fessenden, 1968 M.S., NAU
Geology of the Woods Canyon drainage basin, Coconino County, Arizona, 40 p.
- Schulten, Cathy S., 1979 M.S., ASU
Environmental geology of the Tempe Quadrangle, Maricopa County, Arizona: Part I, 101 p.
- Scott, Phyllis Wilk, 1979 M.S., NAU
Hydrogeological-structural analysis of the Woody Mountain well field area with geophysical interpretations, Coconino County, Arizona, 79 p.
- Scott, Kenneth Charles, 1975 M.S., NAU
Hydrogeologic and geophysical analysis of selected diatremes in the Hopi Buttes area, Arizona, 129 p.
- Sedgeley, Davis R., 1976 M.S., ASU
A paleomagnetic study of some welded tuffs in central Arizona, 110 p.
- Shank, Douglas Carl, 1973 M.S. ASU
Environmental geology in the Phoenix Mountains, Maricopa County, Arizona, 39 p.
- Smith, Jeffrey William, 1974 M.S., NAU
The petrology of the Mississippian Redwall Limestone in northern Yavapai County, Arizona, 88 p.
- Smith, Riley S., 1957 Ph.D., UA
A study of the Chinle-Shinarump beds in the Leupp-Holbrook area, Arizona, 170 p.
- Soule, Charles H., 1978 M.S., UA
Tectonic geomorphology of Big Chino fault, Yavapai County, Arizona, 114 p.
- Staab, Robert F., 1978 M.S., NAU
Analysis of gravity and magnetic surveys transecting monoclinial flexures in Yavapai, County, Arizona, 87 p.
- Stevenson, Gene M., 1973 M.S., NAU
Stratigraphy of the Dox formation, Precambrian, Grand Canyon, Arizona, 225 p.
- Stuckless, John Shearing, 1969 M.S., ASU
The geology of the volcanic sequence associated with the Black Mesa caldera, Arizona, 79 p.
- Suneson, Neil H., 1976 M.S., ASU
The geology of the northern portion of the Superstition-Superior volcanic field, Arizona, 123 p.
- Tahmazian, Garabad A., 1964 M.S., UA
Petrography of the Troy and Martin clastics sequence at Roosevelt Dam, Gila County, Arizona, 95 p.
- Thompson, John Robert, Jr., 1968 M.S., NAU
Geology of the Wet Beaver Creek Canyon, Yavapai County, Arizona, 69 p.
- Throop, Allen H., 1970 M.S., ASU
The nature and origin of black chrysocolla at the Inspiration mine, Arizona, 56 p.

- Tilford, Norman Ross, 1966 M.S., ASU
Engineering geology—Steward Mountain Dam site, 42 p.
- Travena, Arthur Spencer, 1975 M.S., UA
Depositional models and the Shinarump Member and the Sonsela Sandstone Bed of the Chinle Formation, northeastern Arizona and northwestern New Mexico, 162 p.
- Turek, Frank, 1975 M.S., ASU
Environmental geology of the Apache Junction quadrangle, Arizona, 58 p.
- Turner, Christine E., 1974 M.S., NAU
Facies of the Toroweap Formation, Marble Canyon, Arizona, 120 p.
- Urdike, Randall Groves, 1969 M.S., ASU
The glacial geology of the San Francisco Peaks, Arizona, 154 p.
- Urdike, Randall Groves, 1977 Ph.D., ASU
The geology of the San Francisco Peaks, Arizona, 423 p.
- VanKooten, Gerald K., 1975 M.S., ASU
Olivine zoning and petrology of a crater in the San Francisco volcanic field, Arizona, 82 p.
- Wadell, James Sanders, 1972 M.S., ASU
Sedimentation and stratigraphy of the Verde Formation (Pliocene), Yavapai County, Arizona, 110 p.
- Wagner, Charles Gregory, 1979 M.S., UA
A geophysical study of the Cave Creek basin, Maricopa County, Arizona, 61 p.
- Webb, William Felton, 1979 M.S., UA
Precambrian geology and ore deposits near Poland Junction, Yavapai County, Arizona, 113 p.
- Welsch, Dennis G., 1977 M.S., ASU
Environmental geology of the McDowell Mountains area, Maricopa County, Arizona: Part II, 68 p.
- Wilkins, Joe, Jr., 1974 M.S., UA
An induced-polarization survey at Meteor Crater, Arizona
- Williams, George A., 1951 Ph.D., UA
The coal deposits and Cretaceous stratigraphy of the western part of Black Mesa, Arizona, 307 p.
- Wilson, Robert L., 1956 Ph.D., UA
Stratigraphy and economic geology of the Chinle Formation, northeastern Arizona, 255 p.
- Witter, Donald Paul, Jr., 1976 M.S., UA
Conodont biostratigraphy of the Upper Devonian in the Globe-Mammoth area, Arizona, 98 p.
- Woodell, Charles E., 1927 M.S., UA
The Mississippian fauna of the Redwall Limestone near Jerome, Arizona, 117 p.
- Yidiz, Mehmet, 1961 M.S., UA
Structure and petrography of Black Rock, Apache County, Arizona, 41 p.

Northwest Quadrant

- Auld, Thomas W., 1976 M.S., NAU
Facies analysis of the Virgin Limestone Member, Moenkopi Formation, northwest Arizona and southwestern Utah, 83 p.
- Avedisian, Gary Edward, 1966 M.S., ASU
Geology of the western half of Phoenix South Mountain Park, Arizona, 52 p.
- Billingsley, George H., Jr., 1970 M.S., NAU
Geology of Tuckup Canyon, central Grand Canyon, Mohave County, Arizona, 115 p.
- Bressler, Stephen Lyle, 1977 M.S., UA
Paleomagnetism of the Pliocene Verde Formation, Yavapai County, Arizona, 95 p.
- Brook, Doyle Kenneth, 1974 M.S., UA
Relative ages of strata-form sulfide ore and wall rock determined by a structural analysis of the Copper Queen mine, Yavapai County, Arizona, 60 p.

- Bradshaw, Emily C., 1975 M.S., NAU
Structure in the Mazatzal Quartzite, Del Rio, Arizona, 67 p.
- Burgert, Barrett L., 1972 M.S., NAU
Petrology of the Cambrian Tapeats Sandstone, Grand Canyon, Arizona, 156 p.
- Celestian, Susan M., 1979 M.S., NAU
A faunal analysis of the Devonian Martin Formation in the Verde Valley, Arizona, 68 p.
- Christman, Jerry L., 1978 M.S., UA
Geology, alteration and mineralization of the Copper Basin porphyry copper deposit, Yavapai County, Arizona, 76 p.
- Cloran, Courtenay A., 1977 M.S., ASU
Geophysics, hydrology, and geothermal potential of the Tonopah Basin, Maricopa County, Arizona, 109 p.
- Dalton, Russell O., 1972 M.S., NAU
Stratigraphy of the Bass Formation, 140 p.
- Daneker, Thomas M., 1975 M.S., NAU
Sedimentology of the Precambrian Shinumo sandstone, Grand Canyon, Arizona, 195 p.
- Deal, Edmond Grahm, 1969, M.S., ASU
Volcanic geology of the Interior Valley, San Francisco Mountains, Arizona, 82 p.
- DeWitt, E., 1976 M.S., UA
Precambrian geology and ore deposits of the Mayer-Crown King area, Yavapai County, Arizona, 150 p.
- Gambell, Neil Austin, 1973 M.S., NAU
A heavy mineral reconnaissance of a portion of the Copper Basin mining district, Yavapai County, Arizona, 69 p.
- Gray, Robert S., 1959 M.S., UA
Cenozoic geology of Hindu Canyon, Mohave County, Arizona, 62 p.
- Harding, Lucy E., 1978 M.S., UA
Petrology and tectonic setting of the Livingston Hills formation, Yuma County, Arizona, 85 p.
- Hendricks, John D., 1972 M.S., NAU
Younger Precambrian basaltic rocks of the Grand Canyon, Arizona, 122 p.
- Hereford, Richard, 1971 M.S., NAU
Cambrian-Devonian stratigraphy and Cambrian petrology in northern Yavapai County, Arizona, 137 p.
- Hook, Donald L., 1956 M.S., UA
Late Cenozoic stratigraphy and structure of a part of the Walnut Grove Basin, Yavapai County, Arizona, 50 p.
- Hughes, Paul W., 1950 M.S., UA
The stratigraphy of the Supai Formation in the Chino Valley area, Yavapai County, Arizona, 95 p.
- Iberrall, Eleanora Roberta, 1972 M.S., UA
Paleoecological studies from fecal pellets: Stanton's Cave, Grand Canyon, Arizona, 67 p.
- Ibrahim, Mohamed S., 1962 M.S., UA
Subsurface geology and the chemical quality of ground water in Buckeye Valley, Arizona, 97 p.
- Janders, David J., 1978 M.S., ASU
Comparative sedimentology, stratigraphy, and economic potential of two Tertiary lacustrine deposits in Arizona, 140 p.
- Jemmett, Joe Paul, 1966, Ph.D., UA
Geology of the northern Plomosa Mountain Range, Yuma County, Arizona, 128 p.
- Jones, William C., 1974 M.S., UA
General geology of the northern Plomosa Mountain range, Yuma County, Arizona, 128 p.
- Kessler, Edward Joseph, 1976 M.S., UA
Rubidium-Strontium geochronology and trace element geochemistry of Precambrian rocks in the northern Hualapai Mountains, Mohave County, Arizona, 73 p.
- Lane, Charles L., 1977 M.S., NAU
Pennsylvanian-Permian stratigraphy of west-central Arizona, 120 p.

- Langman, James W., 1977 M.S., NAU
The Shinarump Member of the Chinle Formation in northern Arizona and southern Utah, 106 p.
- Larson, Peter Brennan, 1976 M.S., UA
The metamorphosed alteration zone associated with the Bruce Precambrian volcanogenic massive sulfide deposits, Yavapai County, Arizona, 99 p.
- Lausen, Carl, 1931 Ph.D., UA
Gold veins of the Oatman and Katherine districts, Arizona, 91 p.
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