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NEVADA BUREAU OF MINES

Vernon E. Scheid, Director

REPORT 8

BIBLIOGRAPHY OF GRADUATE THESES  
ON  
NEVADA GEOLOGY

By Roland V. Wilson

MACKAY SCHOOL OF MINES

UNIVERSITY OF NEVADA

RENO, NEVADA

1965

STATE OF NEVADA

Grant Sawyer, Governor

UNIVERSITY OF NEVADA

Charles J. Armstrong, President

MACKAY SCHOOL OF MINES

Vernon E. Scheid, Dean

NEVADA BUREAU OF MINES

NEVADA MINING ANALYTICAL LABORATORY

Vernon E. Scheid, Director

Stanley E. Jerome, Associate Director

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# BIBLIOGRAPHY OF GRADUATE THESES ON NEVADA GEOLOGY

By Roland V. Wilson

## INTRODUCTION

Graduate theses were a valuable source in compilation of Nevada Bureau of Mines Map 16, "Progress Geologic Map of Nevada" in 1962. Richard Olson, Nevada Bureau of Mines geologist, had compiled a list of theses on Nevada geology in 1961 which served as an excellent starting point both for that compilation and for the present bibliography. Upon publication of the geologic map, the author, in an effort to further the geologic coverage of the State of Nevada, began a thorough search of all theses describing Nevada geology. It now seems appropriate to make this compilation available in a convenient form so all may use it.

The 1961 list was compared with the following sources: "Bibliography of Theses in Geology" by John Chronic and Halka Chronic and Petroleum Research Corporation, published in 1958; "Dissertation Abstracts" published by University Microfilms, Inc.; and the "Bibliography of Geology Theses" by Daniel S. Turner for Petroleum Research Co. Many additional references were obtained from these sources. Letters then were sent to the geology departments of all the schools from which these theses originated, in an effort to obtain complete lists of all their theses relating to Nevada geology.

Most of these theses were then obtained for examination, either on interlibrary loan, or in the form of a microfilm copy purchased from the particular school or from University Microfilms, Inc. Theses received on interlibrary loan, were microfilmed by the Audio-Visual Center of the University of Nevada, also, thereby making available an extensive reference set of theses in a single format. Although it has not been possible to obtain all of the theses, a continuing effort will be made to complete and keep up to date a microfilmed reference set.

The microfilms have been placed in the Mackay School of Mines Library, where they will be available to all who care to use them. No microfilm will be available on loan from the library, however. Persons who wish to inspect copies of theses that were written in fulfillment of degrees awarded by the University of Nevada, should obtain them on interlibrary loan from the Interlibrary Loan Department, University of Nevada Library, Reno, Nevada, 89507, or by applying in person to the Mackay School of Mines Library on the Reno campus. A person who wishes to obtain any other thesis listed in this report, should attempt to borrow it on interlibrary loan from the school in which it originated, or in the case of Ph.D. theses, purchase the microfilm from University Microfilms, Inc.

The Nevada Bureau of Mines would appreciate receiving corrections or additions so that any future edition might be as complete and accurate as possible.

This bibliography consists of three parts: an ALPHABETICAL LIST OF GRADUATE THESES; an INDEX, in which each thesis is listed under one or more appropriate headings; and an INDEX TO THESIS GEOLOGIC MAPS IN NEVADA, on which are located all geologic maps that are parts of the theses.

The help of Richard Olson was very much appreciated, not only in compiling the original 1961 list, but in allowing the use of his files. A very major contribution also was made by Michael Fitzgerald, graduate assistant in the Mackay School of Mines in assembling and editing the references and in assembling of the microfilms.

*(Supplemental list attached in back)*

## ALPHABETICAL LIST OF GRADUATE THESES

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"Geology of the Cherry Creek district, Nevada"  
M.S., Univ. of Utah, 1961  
Map Scale: 1:31,680
2. ALEXANDER, SHELTON S.  
"Surface wave propagation in the western United States"  
Ph.D., Calif. Inst. of Tech., 1963
3. ALT, DAVID O.  
"Isotope geochemistry of boron"  
Ph.D., Univ. of Texas, 1961
4. ANDERSON, GEORGE H.  
"Geology of the north half of the White Mountain quadrangle,  
California-Nevada"  
Ph.D., Calif. Inst. of Tech., 1933
5. ARMSTRONG, RICHARD L.  
"Geochronology and geology of the eastern Great Basin in  
Nevada and Utah"  
Ph.D., Yale Univ., 1963
6. AVENT, JON C.  
"Structure and stratigraphy of the Antelope Range, N.E.  
White Pine County, Nevada"  
M.S., Univ. of Washington, 1962  
Map Scale: 1:35,200
7. BAILLY, PAUL A.  
"Geology of the southeastern part of Mineral Ridge, Esmeralda  
County, Nevada"  
Ph.D., Stanford Univ., 1951  
Map Scale: 1:6,000
8. BAROSH, JAMES P.  
"Lower Permian stratigraphy of east-central Nevada and ad-  
jacent Utah"  
Ph.D., Univ. of Colorado, 1965
9. BARR, FRANK T.  
"Paleontology and stratigraphy of the Pennsylvanian and Permian  
rocks of Ward Mountain, White Pine County, Nevada"  
M.A., Univ. of Calif., 1957  
Map Scale: 1:42,300
10. BARTON, PAUL B., JR.  
"Preliminary report on interpretation and evaluation of uranium  
occurrences in the Bird Spring and adjacent mining districts,  
Nevada"  
M.A., Columbia Univ., 1954  
Map Scale: 1:43,100
11. BARTON, PAUL B., JR.  
"Interpretation and evaluation of the uranium occurrences near  
Goodsprings, Nevada"  
Ph.D., Columbia Univ., 1955  
Map Scale: 1:62,500
12. BEAL, LAURENCE H.  
"Wallrock alteration in the western portion of the Robinson  
mining district, Kimberly, Nevada"  
M.A., Univ. of Calif., 1957  
Map Scale: 1:2,400
13. BEHNKE, JEROLD J.  
"Geology of the southern portion of Martins Ridge, Monitor  
Range, Nye County, Nevada"  
M.S., Univ. of Nevada, 1961  
Map Scale: 1:18,000
14. BERGE, JOHN S.  
"Stratigraphy of the Ferguson Mountain area, Elko County,  
Nevada"  
M.A., Brigham Young Univ., 1960  
Map Scale: 1:19,200
15. BLUE, DONALD M.  
"Geology and ore deposits of the Lucin mining district, Box  
Elder County, Utah and Elko County, Nevada"  
M.S., Univ. of Utah, 1960  
Map Scale: 1:22,600
16. BONHAM, HAROLD F., JR.  
"Areal geology of the northern half of Washoe County, Nevada"  
M.S., Univ. of Nevada, 1962  
Map Scale: 1:250,000
17. BOOTH, G. M., III  
"Heavy mineral study of the Coal Valley sediments in the lower  
Truckee River Canyon, Washoe County, Nevada"  
M.S., Univ. of Nevada, 1960  
Map Scale: 1:2,300
18. BORTZ, LOUIS C.  
"Geology of the Copenhagen Canyon area, Monitor Range,  
Eureka County, Nevada"  
M.S., Univ. of Nevada, 1959  
Map Scale: 1:24,000
19. BREDEHOEFT, JOHN D.  
"Hydrogeology of the lower Humboldt River Basin, Nevada"  
Ph.D., Univ. of Illinois, 1962  
Map Scale: 1:250,000
20. BREW, DAVID A.  
"Synorogenic sedimentation of Mississippian Age, Eureka,  
quadrangle, Nevada"  
Ph.D., Stanford Univ., 1963  
Map Scale: 1:48,000 and 1:15,480
21. BRODERICK, ALAN T.  
"The geology of the southern part of the San Antonio Mountains,  
Nevada"  
Ph.D., Yale Univ., 1949  
Map Scale: 1:40,800
22. BROOKS, HOWARD  
"Geology of a uranium deposit in the Virginia Mountains,  
Washoe County, Nevada"  
M.S., Univ. of Nevada, 1956  
Map Scale: 1:2,400
23. BRUNTON, GEORGE D.  
"The crystal structure of callaghanite"  
Ph.D., Indiana Univ., 1957
24. BRYSON, ROBERT P.  
"Faulted fanglomerates at the mouth of Perry Aiken Creek,  
northern Inyo Range, California-Nevada"  
M.S., Calif. Inst. of Tech., 1937  
Map Scale: 1:20,000
25. BURCHFIEL, B. C.  
"Structure and stratigraphy of the Specter Range quadrangle,  
Nye County, Nevada"  
Ph.D., Yale Univ., 1961  
Map Scale: 1:62,500
26. BURNHAM, C. W.  
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northern Mexico"  
Ph.D., Calif. Inst. of Tech., 1955
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"Contact metamorphic deposits at Concepcion De Ore, Mexico;  
Tem Piute, Nevada; and Silver Bell, Arizona"  
Ph.D., Columbia Univ., 1962  
Map Scale: Unknown
28. BUSHNELL, KENT O.  
"The geology of the Rowland quadrangle, Nevada"  
Ph.D., Yale Univ., 1955  
Map Scale: 1:62,500

9. CAMERON, EUGENE N.  
"Geology and mineralization of the northeastern Humboldt Range, Nevada"  
Ph.D., Columbia Univ., 1939  
Map Scale: 1:60,000
10. CAMPBELL, DONALD F.  
"Geology of the Bonanza King mine, Humboldt Range, Pershing County, Nevada"  
M.S., Cornell Univ., 1938  
Map Scale: 1:8,180
11. CAMPBELL, IAN  
"The petrography of the Tonopah mining district, Nevada; including some observations on the ore deposits and the rock alteration"  
Ph.D., Harvard Univ., 1931
12. CARPENTER, JOHN T.  
"A tentative correlation of northwestern Tertiary strata"  
M.S., Univ. of Idaho, 1932
13. CARSS, BRIAN W.  
"A lithological and environmental study of the Ely Springs Dolomite, Arrow Canyon Range, Nevada"  
M.S., Univ. of Illinois, 1962
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"Microfacies study of Upper Devonian rocks, Arrow Canyon Range, Clark County, Nevada"  
Ph.D., Univ. of Illinois, 1964
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"Maximum felt intensities of earthquakes as a factor of the seismicity of the western United States"  
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16. CAVENDER, WAYNE S.  
"Integrated mineral exploration in the Osgood Mountains, Humboldt County, Nevada"  
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"The Lower and Middle Ordovician stratigraphy in south-central Nevada"  
M.S., Univ. of Nebraska, 1957
18. CHRISTY, ROBERT B.  
"Some Permian fusulinid faunas near Lee Canyon, Clark County, Nevada"  
M.S., Univ. of Illinois, 1958
19. CHURCH, JOHN A.  
"The Comstock Lode, its formation and history"  
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20. CLARK, CLIFTON W.  
"Geology and ore deposits of the Santa Fe district, Mineral County, Nevada"  
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Map Scale: 1:6,350
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"Paragenesis of the magnesite deposit at Gabbs, Nye County, Nevada"  
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24. COASH, JOHN R.  
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Map Scale: 1:34,000
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"A contribution to the geology of the Comstock Lode"  
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Map Scale: 1:12,000
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Map Scale: 1:30,000
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Map Scale: 1:20,000
37. DEFFEYES, KENNETH S.  
"Petrology of a group of Cenozoic tuff samples from Nevada"  
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"Late Cenozoic sedimentation and tectonic development of central Nevada"  
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"The ostracoda and cladocera of the Humboldt Formation in northeastern Nevada"  
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60. DICKSON, FRANK W.  
"Geochemical and petrographic aspects of mercury ore deposits"  
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61. DIVENS, DONALD F.  
"Geology of the Telegraph Pass area, Diamond Range, White Pine County, Nevada"  
M.S., Univ. of Nevada, 1957  
Map Scale: 1:24,000
62. DOLGOFF, ABRAHAM  
"The volcanic geology of the Pahrangat Range and certain adjacent areas, Lincoln County, southeastern Nevada"  
Ph.D., The Rice Inst., 1960  
Map Scale: Unknown
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Ph.D., Columbia Univ., 1955  
Map Scale: 1:79,600
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65. DOVER, JAMES H.  
"Geology of the northern Palmetto Mountains, Esmeralda County, Nevada"  
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66. DREWES, HAROLD  
"Structural geology of the southern Snake Range, Nevada"  
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Map Scale: 1:31,680
67. DUDLEY, WILLIAM W. JR.,  
"Seismic-refraction and earth-resistivity investigation of hydrogeologic problems in the Humboldt River basin, Nevada"  
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68. DULEY, DALE H.  
"Mississippian stratigraphy of the Meadow Valley and Arrow Canyon Ranges, southeastern Nevada"  
M.A., Univ. of Calif., 1957
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"The Paragenesis and geochemistry of the antimony-mercury deposits of the Antelope Springs mining district, Pershing County, Nevada"  
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Map Scale: 1:125,000
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Map Scale: 1:24,000
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"Geologic controls of base-flow of mountain streams in northern Nevada"  
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Map Scale: 1:24,000
82. FIFER, HENRY C., JR.  
"Geology of a portion of the Jarbidge 1 quadrangle, Elko County, Nevada"  
M.S., Univ. of Oregon, 1960  
Map Scale: 1:24,000
83. FINDLAY, WILLIAM F.  
"Geology of a part of Buck Mountain quadrangle, east-central Nevada"  
M.A., Univ. of Southern Calif., 1960  
Map Scale: 1:37,500
84. FISHER, DONALD G.  
"Geology of the Iron King magnetite deposit, Jackson Mountains, Nevada"  
M.S., Univ. of Utah, 1962  
Map Scale: Unknown
85. FISSELL, DONALD E.  
"Geology of the post-Paleozoic section of the Illipah region, Nevada"  
M.A., Univ. of Southern Calif., 1955  
Map Scale: 1:40,000
86. FLYNN, DAN B.  
"Geology of a part of the Dixie Flats quadrangle, Elko County, Nevada"  
M.A., UCLA, 1957  
Map Scale: 1:24,000
87. FOLGER, DAVID W.  
"Geology of the lower Jack Creek area, Elko County, Nevada"  
M.A., Columbia Univ., 1958  
Map Scale: 1:12,000

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"Geology of the southern Sulphur Springs Mountains"  
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Map Scale: 1:24,000
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"The origin of the colemanite deposits of the western United States"  
Ph.D., Univ. of Calif., 1923
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"Lower Pennsylvanian stratigraphy of the southern Egan Range, Nevada"  
M.A., Columbia Univ., 1953
91. FOURNIER, ROBERT O.  
"Mineralization of the porphyry copper deposit near Ely, Nevada"  
Ph.D., Univ. of Calif., 1958
92. FRITZ, WILLIAM H.  
"Structure and stratigraphy of Telegraph Canyon area, northern Egan Range, east central Nevada"  
M.S., Univ. of Washington, 1957  
Map Scale: 1:42,300
93. FRITZ, WILLIAM H.  
"Structure and stratigraphy of the northern Egan Range, White Pine County, Nevada"  
Ph.D., Univ. of Washington, 1960  
Map Scale: 1:48,000
94. FROST, STANLEY H.  
"The stratigraphy and paleontology of the Piute Formation, Arrow Canyon Range, Nevada"  
M.S., Univ. of Illinois, 1963
95. FYOCK, TAD L.  
"The structure and stratigraphy of the Virgin Valley-Thousand Creek area, northwestern Nevada"  
M.S., Univ. of Washington, 1963  
Map Scale: 1:9,000
96. GAAL, ROBERT  
"Geology of the central portion of the Green Springs quadrangle, Nevada"  
M.A., Univ. of Southern Calif., 1958  
Map Scale: 1:40,000
97. GATES, OLCOTT  
"Tertiary volcanism and brecciation in the Shoshone Range, Nevada"  
Ph.D., Johns Hopkins Univ., 1956  
Map Scale: 1:62,500 & 1:15,480
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"Geology of the Silver City district and the southern portion of the Comstock Lode"  
Ph.D., Columbia Univ., 1936  
Map Scale: 1:27,000
99. GILDER, KERRY L. VAN  
"The manganese orebody at the Three Kids mine, Clark County, Nevada"  
M.S., Univ. of Nevada, 1963  
Map Scale: 1:2,400
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"Geology of the east-central part of the Spring Mountain Range, Nevada"  
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Map Scale: 1:80,000
101. GODWIN, LARRY H.  
"Geology of the west side of Peavine Mountain, Washoe County, Nevada"  
M.S., Univ. of Nevada, 1958  
Map Scale: 1:31,250
102. GORDON, JOAN E.  
"The upper Devonian stratigraphy and paleontology of the Silverhorn Dolomite, West Range Limestone, and Pilot Shale at Dutch John Mountain, Lincoln County, Nevada"  
M.S., Univ. of Illinois, 1962
103. GOULD, HOWARD R.  
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Ph.D., Univ. of Southern Calif., 1953
104. GRAY, RAYMOND F.  
"Geology of a portion of the Pine Nut Mountains, Nevada"  
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Map Scale: 1:34,800
105. GREEN, HOWARD R.  
"A Paleozoic section in the Egan Range near Sunnyside, Nevada"  
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"Structural control of mineralization at the Aurora mining district, Mineral County, Nevada"  
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"Paleozoic stratigraphy of Clear Creek Canyon, Monitor Range, Nye County, Nevada"  
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Map Scale: 1:4,800
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Ph.D., Univ. of Calif., 1953  
Map Scale: 1:125,000
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Map Scale: 1:31,680  
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113. HANSEN, HARRY J., III  
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Map Scale: Unknown
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"Paleozoic south lower North Fork Canyon, northern Independence Range, Elko County, Nevada"  
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Map Scale: 1:48,000
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122. HILPMAN, PAUL L.  
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## EXPLANATION OF INDEX

The general Index has been divided into 14 categories corresponding to major divisions of the geological sciences. Each thesis was examined by the author, and listed under one or more of these headings. The numbers following each heading correspond to the number of the reference in the alphabetical listing.

The geologic map index applies to those theses that contain geologic maps. The geographic center of the thesis map has been used as a point location in plotting on the Index map. The scale of the thesis map has been included in each reference to give some idea of the amount of detail shown. The approximate size of the map can often be inferred from the title and scale of each. In the case of those theses that contain maps the scale of which is listed as unknown, the map was either missing or the information was missed during compilation, and the location is an approximate location.

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