Introduction

The purpose of this bibliography and accompanying index map is to provide ready information concerning theses dealing with Oregon's geology in the hope that it will further research on geology of the State.

Information for this compilation was obtained by contacting a selected number of colleges and universities. Of 52 inquiries sent out, 17 reported at least one thesis, while 35 reported no theses. A complete tabulation of schools contacted follows the bibliography (see page 14). This sampling of the colleges is thought to represent more than 90 percent of the graduate studies made in the State. It was considered impractical to contact all colleges, therefore the possibility exists that some theses have been missed.

Most universities maintain interlibrary loan service, and persons desiring to consult any of the theses should make arrangements for borrowing them from their local university or state library.

Acknowledgment is gratefully extended to libraries, geology departments, and individuals for their cooperation in supplying the information.

It is intended that this publication be corrected and kept up to date, therefore any information that will help to make this list more accurate or complete will be greatly appreciated.


* Numbers correspond to locations on index map.


Bowen, Charles E., see Winslow, Gilbert F.


Butler, John W., Jr., see Barnes, Farrell F.


Campbell, Ian, 1923, A geologic reconnaissance of the McKenzie River section of the Oregon Cascades with petrographic descriptions of some of the more important rock types: Oreg. Univ. Master's Thesis, illus., geol. map.


Conger, B., see Hardin, E.


Hagen, George L., see Every, Arthur H.


Holt, Theodore, see Warner, C. T.


Leach, Arthur D., see Taylor, Douglas W.


111. Stokesbury, Walter A., 1933, A faunal study of the Dallas area in an attempt to determine the faunal horizon or horizons present and to correlate with other Oregon and California horizons: Oreg. State Coll. Master's Thesis, 74 p., illus., geol. map.


Wilson, M. E., 1909, Granodiorites and related rocks of southwestern Oregon: Iowa State Univ. Master's Thesis. (Thesis reported missing from Iowa Univ. Library.)


SCHOOLS CONTACTED

Schools Having Theses in Libraries

<table>
<thead>
<tr>
<th>School Name</th>
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<td>University of Michigan</td>
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<td>University of Oregon</td>
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<td>University of Wisconsin</td>
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<td>Yale University</td>
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Schools Having No Theses in Libraries

- University of Arizona
- Baylor University
- Brigham Young University
- University of British Columbia
- University of California at Los Angeles
- University of Southern California
- Colorado School of Mines
- Colorado State College
- University of Colorado
- Fresno State College
- Harvard University
- Idaho State College
- University of Idaho
- University of Illinois
- State University of Iowa
- Johns Hopkins University
- University of Kansas
- Michigan State College

- University of Minnesota
- Montana School of Mines
- Montana State College
- Montana State University
- University of Nevada
- New Mexico Institute of Mining
- University of New Mexico
- Ohio State University
- Pennsylvania State University
- Pomona State College
- College of Puget Sound
- University of Redlands
- San Jose State College
- Utah State College
- University of Utah
- State College of Washington
- University of Wyoming
BIBLIOGRAPHY OF THESSES AND DISSERTATIONS ON OREGON GEOLOGY
From January 1, 1959 to December 31, 1965

Supplement to
Miscellaneous Paper 7,
Bibliography of Theses on Oregon Geology

Compiled by
Miriam Roberts

1966

Governing Board
Frank C. McCallloch, Chairman
Harold Banta
Fayette I. Bristol

Portland
Baker
Grants Pass

Hollis M. Dale
State Geologist
## Contents

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<th>Section</th>
<th>Page</th>
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<td>Alphabetical listing of graduate theses and dissertations</td>
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<td>Selected references</td>
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<td>Bibliographic publications of Oregon Department of Geology and Mineral Industries</td>
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<td>Institutions queried</td>
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<tr>
<td>Index map of Oregon</td>
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<tr>
<td>Topographic maps of Oregon, 1965</td>
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Introduction

"Bibliography of Theses on Oregon Geology," compiled by Herbert G. Schliicker, geologist with the State of Oregon Department of Geology and Mineral Industries, was published by the Department in 1959 as Miscellaneous Paper 7. Of theses listed, 137 were numbered to correspond to locations which were delineated on an index map. In addition, there were 54 theses whose subject or areal extent did not lend themselves to this treatment. Therefore, a total of 191 theses was catalogued in the original Miscellaneous Paper 7, thought to represent more than 90 percent of the graduate studies which had been made in Oregon through 1958. This included 30 bachelor's theses.

The present compilation has been limited to graduate studies, and covers the period from January 1, 1959 to December 31, 1965. Information for this supplement was obtained by reference to various published sources listed in the Selected References (see page 9) and by writing letters to 56 colleges and universities. Of these, 14 reported theses that had been accepted, and 24 reported having no theses on Oregon geology completed during this period. A tabulation of the schools queried follows the bibliography (see page 10).

The 1959-1965 supplement comprises 96 theses and dissertations, of which 70 are shown on the accompanying map; 26 additional ones are listed in the text but are not delineated by map numbers.

Overprinted numerals in red on the index map refer to the numbers on the alphabetical list of graduate students. The notation (GMI) following certain of the theses indicates that copies of them are in the library of the Oregon Department of Geology and Mineral Industries in Portland, where they may be used. Anyone wishing to borrow theses, however, should attempt to borrow copies on interlibrary loan from the school of origin or, in the case of doctoral dissertations, purchase the microfilm or authorized reprint from University Microfilms, Inc., Ann Arbor, Michigan.

Deep appreciation is extended to librarians, members of geology department staffs, and staff members of the Oregon Department of Geology and Mineral Industries for their cooperation in the preparation of this report. It is the intent that this publication shall be corrected and kept up to date by later supplements. Therefore, any information that will help to make this list more accurate and more complete will be valued.
THESES AND DISSERTATIONS ON OREGON GEOLOGY
January 1, 1959 to December 31, 1965

*1. ANDERSON, Robert W.
   Geology of the northwest quarter of the Brownsville quadrangle, Oregon.
   62p., 4 figs., 2 tables, 18 plates incl. geologic map and cross sections. **(GMI)

+ BALLARD, Ronald Lee
   Distribution of beach sediment near the Columbia River.
   82p., illus., no geologic map.

2. BATEMAN, Richard Lloyd
   The geology of the south-central part of the Sawtooth Creek quadrangle, Oregon.
   97p., 4 figs., 1 table, 25 plates incl. geologic map and cross sections. (GMI)

3. BEESON, Marvin H.
   The geology of the north-central part of the Sawtooth Creek quadrangle, Oregon.
   92p., 3 figs., 27 plates incl. geologic map and cross section. (GMI)

4. BEESON, Melvin H.
   Geology of part of the Lostine Valley, Wallowa County, Oregon.
   105p., 5 figs., 37 plates, 2 tables, 5 geologic maps.

+ BEATTIE, John Alfred
   Groundsurfaces and soils in the Willamette Valley, Oregon.
   100p., 14 figs., no geologic map. (GMI)

5. BORN, Stephen Michael
   Geology of the southeastern third of the Powers quadrangle, Oregon.
   83p., 5 figs., 20 plates incl. geologic map and cross section. (GMI)

6. BRISTOW, Milton M.
   The geology of the northwestern third of the Marcola quadrangle, Oregon.
   70p., 1 table, 18 plates incl. geologic map. (GMI)

+ BRUEMMER, Jerry Lee
   Gravity models for peridotite injection and local metamorphism along north-northeast-trending zones of tectonism, southwest Oregon.
   124p., 5 figs., 5 tables, 11 plates incl. geologic map. (GMI)

+ BURNS, Lory Kent
   Sedimentary petrography of the Umpqua Formation in the axial part of the southern Coast Range, Oregon.
   154p., 16 figs., 5 tables, 29 plates.

7. BURT, William Dexter
   The geology of the Collier Butte area, southwest Oregon.
   93p., 19 figs., geologic map and tectonic map. (GMI)

+ BUSHNELL, David C.
   Continental shelf sediments in the vicinity of Newport, Oregon.
   107p., 19 illus., geologic map (sediment types).

* Numbers correspond to locations on index map. ** (GMI) indicates thesis is on file in the Portland library of the Oregon Department of Geology and Mineral Industries, where it may be consulted. + Thesis area thus indicated is not adaptable to the index map.
8. CARNAHAN, Gory Leon  
Geology of the southwestern port of  
Eagle Cop quadrangle, Wallowa  
Mountains, Oregon.  
108p., 17 tables, 19 figs., 8 plates incl. geologic map. (GMI)

9. CLARK, Terry E.  
Zeolites from the Kings Valley and  
Coffin Butte areas, Benton County,  
Oregon.  
59p., 17 figs., 7 plates, 5 tables.

10. CROWLEY, Karl C.  
Geology of the Seneca-Silvies area,  
Grant County, Oregon.  
44p., 1 fig., 12 plates incl.  
geologic map. (GMI)

+ COOPER, William C.  
Intertidal foraminifera of the California  
and Oregon coast.  

11. DODDS, R. Kenneth  
Geology of the western half of the  
Svensen quadrangle, Oregon.  
114p., 8 figs., 12 plates incl.  
geologic map. (GMI)

+ ENBYSK, Betty Joyce  
Distribution of foraminifera in the  
northeastern Pacific.  
Washington Univ. doctoral dissertation,  
1960. 244p.

12. FORTH, Michael  
Geology of the southwest quarter of  
the Dayville quadrangle, Oregon.  
75p., 22 figs., 5 plates incl.  
geologic map. (GMI)

13. FRYBERGER, John Summers  
The geology of the Steens Mountain,  
Oregon.  
65p., 6 figs., 2 tables, 14 plates  
inecl. geologic map.  
[Also recorded in Misc. Paper 7.] (GMI)

+ GIRARD, William W.  
Stereonet analysis of moderately  
deformed sedimentary strata.  
50p., 10 figs., tectonic map.

14. GLENN, Jerry Lee  
Late Quaternary sedimentation and  
geologic history of the north Willomette  
Valley, Oregon.  
Oreg. State Univ. doctoral dissertation,  
1965. 231 p., 47 figs., 25 tables, geologic map. (GMI)

15. GOEBEL, Leo R.  
Geology of a portion of the Lostine  
River Valley, Wallowa County, Oregon.  
46p., 1 fig., 20 plates incl.  
geologic map. (GMI)

+ GONSALVES, Ronald  
Foraminifera from the type Astoria  
Formation.  
153p., 13 figs., incl. geologic maps  
of type Astoria Formation, Yaquina Bay  
area, and Alsea Bay area.

16. GRAHAM, Alan Keith  
The Sucker Creek-Trout Creek Miocene  
floras of southeastern Oregon.  
411p., 12 tables, 5 figs., 27 plates. (GMI)

+ GRAY, Jane  
Plant microfossils from the Miocene of  
the Columbia Plateau, Oregon.  
329p., 4 figs., 30 plates. No geologic  
map. [Mascoll, Blue Mountains, and  
Stinking Water fossil localities discussed.]
17. GREEN, Arthur R.
Geology of the Crowley area, Malheur County, Oregon.
149p., 6 figs., 1 table, 26 plates incl. geologic map.

18. GREENE, Frank F.
Geology of the northeast corner of the Sparta quadrangle and vicinity, Oregon.
114p., 13 photographs, 3 maps and diagrams.

19. GREGORY, Cecilio Dolores
Geology of the Stinking Water Creek area, Harney County, Oregon.
59p., geologic map.

20. HADDOCK, Gerold H.
Geology of the Cougar Peak volcanic area, Lake County, Oregon.
72p., 19 figs., 2 tables, 3 plates incl. geologic map. (GMI)

21. HAGOOD, Allen Roland
Geology of the Monument Peak area, Malheur County, Oregon.
165p., 4 figs., 2 tables, 24 plates incl. geologic map.

22. HAM, Herbert Hoover
The ground-water geology of the south-western quarter of the Eugene quadrangle, Oregon.
90p., geologic map. (GMI)

23. HAUCK, Samuel M.
Geology of the southwest quarter of the Brownsville quadrangle, Oregon.
82p., 3 figs., 5 tables, 14 plates incl. geologic map and sections. (GMI)

24. HICKS, Donald L.
Geology of the southwest quarter of the Roseburg quadrangle, Oregon.
65p., 5 figs., 1 table, 13 plates incl. geologic map and cross sections. (GMI)

25. HIXSON, Harry C.
Geology of the southwest quarter of the Dixonville quadrangle, Oregon.
97p., 11 figs., 14 plates incl. geologic map and cross section. (GMI)

26. HOWARD, John K.
Stratigraphy and structure of the Cope Sebastian-Crook Point area, southwest Oregon.
52p., 5 plates, 6 figs., incl. geologic map.

27. IKEAGWAUNI, Frederick Duako
Photogeology of the Picture Rock Pass area, Lake County, Oregon.
75p., 10 figs., 2 tables, geologic map. (GMI)

28. JARMAN, Gory Davis
Recent foraminifera and associated sediments of the continental shelf in the vicinity of Newport, Oregon.
117p., 8 plates, area map and bathymetric chart. (GMI)

29. JOHNSON, Arvid M.
Stratigraphy and lithology of the Deer Butte Formation, Malheur County, Oregon.
144p., 7 figs., 3 tables, 18 plates incl. geologic map. (GMI)

30. JOHNSON, George Daniel
Geology of the northwest quarter Alwold Lake Three quadrangle, Oregon.
75p., 19 figs., 1 table, 3 plates incl. geologic map. (GMI)
31. JOHNSON, Wallace Ray  
Structure and stratigraphy of the southeastern quarter of the Roseburg 15' quadrangle, Douglas County, Oregon.  
85p., 7 figs., 3 tables, 18 plates incl. geologic map. (GMI)

32. JONES, Robert W.  
Lower Tertiary foraminifera from Waldport, Oregon.  
81p., illus., geologic map. (GMI)

33. KAISER, William R.  
The late Mesozoic geology of the Pearse Peak Diorite, southwestern Oregon.  
75p., 22 figs., geologic map and sections. (GMI)

34. KITTLEMAN, Laurence R., Jr.  
Geology of the Owyhee Reservoir area, Oregon.  
174p., 12 figs., 6 tables, 21 plates incl. geologic map and cross sections. (GMI)

35. KLECK, Wallace Dean  
The geology of some zeolite deposits in the southern Willamette Valley, Oregon.  
108p., 15 figs., 1 table, 24 plates incl. geologic map. (GMI)

36. KOCH, John Gerhard  
Geology of the Humbug Mountain area, southwest Oregon.  
33p., 11 plates. Geologic map. (GMI)

37. KOCH, John Gerhard  
Late Mesozoic orogenesis and sedimentation, Klamath Province, southwest Oregon coast.  
282p., 72 figs., 3 plates incl. geologic map and cross section. (GMI)

38. LARSON, Edwin Eric  
The structure, stratigraphy, and paleomagnetics of the Plush area, southeastern Lake County, Oregon.  
166p., 4 tables, 57 figs., 4 plates incl. geologic map. (GMI)

39. LAWRENCE, John Knowlton  
Geology of the southern third of the Sutherlin quadrangle, Oregon.  
100p., 3 figs., 16 plates incl. geologic map. (GMI)

40. LINDSLEY, Donald H.  
Geology of the Spray quadrangle, Oregon, with special emphasis on the petrography and magnetic properties of the Picture Gorge Basalt.  
226p., 65 figs., 3 geologic maps. (GMI)

41. LUKANUSKI, James N.  
Geology of part of the Mitchell quadrangle, Jefferson and Crook Counties, Oregon.  
98p., 7 tables, 20 figs., 2 plates incl. geologic map. (GMI)

42. LUTTON, Richard J.  
Geology of the Bohemia Mining District, Lone County, Oregon.  
172p., 7 tables, 31 plates incl. geologic map. (GMI)

+ KULM, L. D.  
Sediments of Yaquina Bay, Oregon.  
184p., 37 illus. Geologic map (sediment types).

+ KLUCKING, Edward Paul  
A study of an upper Oligocene flora from north-central Oregon.  

+ McKAY, Rodney H.  
Texture and mineralogy of Oregon beach sand.  
70p., 13 figs., 3 tables, 1 plate, no geologic map. (GMI)
43. McKnight, Brion Keith
A stratigraphic study of the marine
Cretaceous rocks near Mitchell;
Oregon.
89p., 25 figs., 6 tables, 9 plates incl.
geo logic map. (GMI)

44. McMurray, Jay M.
Geology of the Freezout Mountain
area, Malheur County, Oregon.
87p., 4 figs., 6 tables, 18 plates incl.
geo logic map and cross sections. (GMI)

45. Maddox, Terrance
Geology of the southern third of
the Marcola quadrangle, Oregon.
78p., 4 figs., 3 tables, 18 plates incl.
geo logic map and cross sections. (GMI)

46. Maloney, Neil J.
Geology of the eastern part, Beaty's
Butte Four quadrangle, Oregon.
87p., 14 figs., 1 table, 15 plates incl.
geo logic map. (GMI)

47. Millhollen, Gary L.
The petrography of the basalts of the
Cow Creek Lakes area, Malheur
County, Oregon.
72p., geo logic map.

The pre-Tertiary geology of the Snake
River canyon between Cache Creek and
Dug Bar, Oregon-Idaho boundary.
195p., 22 figs., 43 plates, geo logic
map and cross sections. (GMI)

49. Nelson, Carlton Hans
Geological limnology of Crater Lake,
Oregon.
175p., 11 tables, 7 figs., cross section,
pollen chart, and bathymetric chart.

50. Ojala, Gary L.
Geology of the Oregon King mine and
vicinity, Jefferson County, Oregon.
123p., 60 figs., 5 plates incl.
geo logic maps.

51. Patterson, Peter V.
Geology of the northern third of the
Glide quadrangle, Oregon.
83p., 17 plates, 3 figs., incl.
geo logic map. (GMI)

52. Patterson, Robert L.
Geology of the northeast quarter of the
Mitchell quadrangle, Oregon.
97p., 24 figs., 4 tables, geo logic map.
(GMI)

53. Payton, Charles
The geology of the middle third of the
Sutherlin quadrangle, Oregon.
81p., 2 figs., 16 plates incl.
geo logic map. (GMI)
54. PECK, Dallas Lynn
   Geological reconnaissance of the Western Cascades in Oregon north
   of latitude 43°.
   xiii-232p., figs., tables, geologic map and sections.

   + PETERSON, Gary Lee
   Regional Cretaceous sequences in northern California and Oregon.
   103p., illus., no geologic map.

55. PIGG, John Henry, Jr.
   The lower Tertiary sedimentary rocks in the Pilot Rock and Heppner areas, Oregon.
   67p., 4 figs., 4 tables, 18 plates incl. geologic map. (GMI)

56. PROSTKA, Harold J.
   Geology of the Sparta quadrangle,
   Oregon.
   236p., 74 figs., 1 plate (geologic map). (GMI)

   + RINEHART, Verrill Joanne
   Investigation of 12 earthquakes off the Oregon and northern California coasts.
   41p., 12 figs., 13 tables, 1 plate. (GMI)

   + RUSSELL, Don Eugene
   Clarendonian (Pliocene) fauna of Juntura, Oregon.
   94p., map.

57. RUSSELL, Robert Guy
   Geology of the Cedar Mountain quadrangle, eastern Oregon.
   41p., 4 figs., 6 plates incl. geologic map and sections. (GMI)

58. SCHWAB, Frederic Lyon
   Geology of the Quosatana Butte area, central Curry County, southwest Oregon.
   114p., 2 figs., 6 tables, 16 plates incl. geologic map and tectonic map. (GMI)

59. SHAW, John Holmes
   Petrography and petrology of some intrusive bodies in the southern Willamette Valley, Oregon.
   77p., 23 figs., 10 plates, 8 tables.

60. SMEDES, Harry Wynn
   Geology of part of the northern Wallowa Mountains, Oregon.
   217p., 23 figs., 4 tables, 32 plates incl. geologic map. (GMI)

   + STEEN, Virginia Carol
   Effects of weathering environment on the refractive index of pumice glass from Glacier Peak, Wash., and Mount Mazama (Crater Lake), Ore.
   147p., tables, no illus. or geologic map.

61. TAYLOR, Edward M.
   The geology of the Clarno basin, Mitchell quadrangle, Oregon.
   173p., 2 plates, 9 tables, 24 figs., and geologic map. (GMI)

62. THOMS, Richard Edwin
   Biostratigraphy of the Umpqua Formation, southwest Oregon.
   219p., 8 figs., geologic maps.

63. VIGRASS, Laurence W.
   Geology of the Suplee area, Crook, Grant, and Harney Counties, Oregon.
   256p., geologic map.
   [Also recorded in Misc. Paper 7.]

64. WEEDEN, Dennis A.
   Geology of the Harper area, Molheur County, Oregon.
   94p., 5 figs., 18 plates incl. geologic map and cross sections. (GMI)
65. WESTHUSING, James K.
The geology of the northern third of
the Sutherlin quadrangle, Oregon.
111 p., 1 table, 3 figs., 23 plots incl.
geologic map. (GMI)

66. WETHERELL, Clyde E.
Geology of part of the southeastern
Wallowa Mountains, northeastern
Oregon.
208 p., 69 figs., and geologic map. (GMI)

67. WHITE, Willis Harkness
Geology of the Picture Gorge
quadrangle, Oregon.
167 p., 28 figs., 11 tables,
geologic map. (GMI)

68. WIDMIER, John Michael
Mesozoic stratigraphy of the west-central
Klamath Province: a study of eugeo-
synclinal sedimentation.
122 p., 9 figs., 2 tables, 14 plates incl.
geologic map and structure sections. (GMI)

+ WITT, Bobby Joe
Gravity profiles of the central Coast
Range of Oregon.
113 p., 6 figs., 7 plates, 1 table.
geologic map.

+ WOLFE, Jock Albert
Early Miocene floras of northwest
Oregon.

69. WOLFF, Ernest
The geology of the upper Willow Creek-
Cow Valley area of northern Molheur
County, Oregon.
93 p., 3 figs., 13 plates incl.
geologic map. (GMI)

70. WOLFF, Ernest
Geology of the northern half of the
Caviness quadrangle, Oregon.
200 p., 21 figs., 32 plates incl.
geologic map and sections. (GMI)
Selected References


Bibliographic Publications of the Oregon Department of Geology and Mineral Industries

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<th>Bulletin</th>
<th>Description</th>
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<td>33</td>
<td>Bibliography (first supplement) of the geology and mineral resources of Oregon, 1947: J. E. Allen</td>
<td>$ 1.00</td>
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<tr>
<td>44</td>
<td>Bibliography (second supplement) of the geology and mineral resources of Oregon, 1953: M. L. Steere</td>
<td>1.00</td>
</tr>
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<td>53</td>
<td>Bibliography (third supplement) of the geology and mineral resources of Oregon, 1963: M. L. Steere and L. F. Owen</td>
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<td>7</td>
<td>Miscellaneous Paper 7: Bibliography of theses on Oregon geology, 1959: H. G. Schlicker</td>
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</table>
Institutions Queryed

Universities Reporting Completed Theses

University of Arizona
University of California, Berkeley:
  Department of Geology
  Department of Paleontology
University of California, Los Angeles
University of Colorado
Harvard University
Johns Hopkins University
University of Kansas
University of Minnesota
University of Montana

Oregon State University:
  Department of Geology
  Department of Oceanography
University of Oregon
Stanford University
Washington State University
University of Washington:
  Department of Geology
  Department of Oceanography
University of Wisconsin

Universities Reporting No Theses Completed

Brigham Young University
University of British Columbia
California Institute of Technology
University of California, San Diego
University of California, Santa Barbara
University of Chicago
University of Cincinnati
Colorado School of Mines
University of Idaho
University of Illinois
State University of Iowa
Massachusetts Institute of Technology

Michigan State University
Missouri School of Mines and Metallurgy
Montana College of Mineral Science and Technology
Montana State University
University of Nevada, Mackay School of Mines
New Mexico Institute of Mining and Technology
Ohio State University
Princeton University
University of Puget Sound
University of Rochester (New York)
Utah State University
University of Utah
**TOPOGRAPHIC MAPS OF OREGON—1965**

7½" Maps are indexed under original 15' sheet in this order.

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<th>Abbots Butte</th>
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<th>McMinville</th>
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**Price:** 30 cents per sheet.