BULLETIN 78

BIBLIOGRAPHY OF THE GEOLOGY AND MINERAL RESOURCES OF OREGON

(FIFTH SUPPLEMENT)

January 1, 1961 to December 1, 1970

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

1973

STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building
Portland, Oregon 97201

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Compiled by

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Oregon Department of Geology and Mineral Industries

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Introduction

Bulletin 78 is the fifth supplement to the original "Bibliography of the Geology and Mineral Resources of Oregon," compiled by Ray C. Treasher and Edwin T. Hodge and published in 1936. The fifth supplement lists publications that appeared during the ten years, 1961-1970. Several articles published before those dates but not listed in previous bibliographies are included because of their potential value to the researcher. As in previous bibliographies, this one includes theses, open-file reports, and other unpublished materials which may be available only in certain libraries.

The first section of this bulletin contains an alphabetical listing by author of all citations, complete with publication data. A subject index follows.

The list of serial publications cited is on page iv and is alphabetized by the abbreviations used in the author citations. A listing here does not infer that all issues of a particular journal were searched, although where possible this was done.

The previous supplements to Treasher and Hodge's "Bibliography of the Geology and Mineral Resources of Oregon," 1936, are as follows:

Supplement 1 - Bulletin 33, covers 1936-1945, by John E. Allen
Supplement 2 - Bulletin 44, 1946-1950, Margaret L. Steere
Supplement 3 - Bulletin 53, 1951-1955, Margaret L. Steere and Lillian F. Owen
Supplement 4 - Bulletin 67, 1956-1960, Miriam Roberts

Our appreciation is extended to librarians who assisted in locating source material, especially those at Oregon State Library, University of Oregon, Oregon State University, Portland State University, and the Multnomah County Library. Corrections and additions to this present volume which users may wish to submit will be appreciated by the compilers.

SERIALS CITED

Abs. N. American Geol. - Abstracts of North American Geology
Acta Zool. Cracoviensia (Krakow, Poland)
Am. Assoc. Adv. Sci. Pub. - American Association for the Advancement of Science Publication
Am. Assoc. Petrol. Geologists Bull. - Bulletin of the American Association of Petroleum Geologists
Am. Geophys. Union Trans. - Transactions of the American Geophysical Union
Am. Jour. Sci. - American Journal of Science
Am. Midland Naturalist - American Midland Naturalist
Am. Mineralogist - American Mineralogist
Am. Mus. Nat. Hist. Bull. - Bulletin of the American Museum of Natural History
Am. Mus. Novitates - American Museum Novitates. American Museum of Natural History
Am. Philos. Soc. Trans. - Transactions of the American Philosophical Society
Am. Soc. Civil Engineers Proc., Jour. Waterways and Harbors Div. - Proceedings of the American Society of Civil Engineers, Journal of the Waterways and Harbors Division
Am. Soc. Civil Engineers Proc., Power Div. Jour. - Proceedings of the American Society of Civil Engineers, Journal of the Power Division
Appl. Spectroscopy - Applied Spectroscopy
Arctic Anthropology
Assoc. Amer. Geographers Ann. - Annals of the Association of American Geographers
Bull. Volcanol. - Bulletin Volcanologique
Calif. Acad. Sci. Occas. Paper - Occasional Papers of the California Academy of Sciences
Calif. Acad. Sci. Proc. - Proceedings of the California Academy of Sciences
Calif. Div. Mines and Geology Bull. - California Department of Natural Resources, Division of Mines and Geology Bulletin
Calif. Div. Mines and Geology Min. Inf. Serv. - " " " " " " " Mineral Information Service
Calif. Div. Mines and Geology Spec. Rpt. - " " " " " " " " Special Report
Calif. Mining Jour. - California Mining Journal
Canadian Jour. Earth Sci. - Canadian Journal of Eorth Sciences
Chem. Geology - Chemical Geology
Colo. Univ. Studies Ser. Earth Sci. - University of Colorado Studies, Series in Earth Science
Condor - Condor, Journal of the Cooper Ornithological Society, Berkeley
Contr. Mineral. Petrology - Contributions to Mineralogy and Petrology
Cushman Found. Foram. Research Contr. - Contributions from Cushman Foundation for Foraminiferal Research
Deep-Sea Research
Dissert. Abs. - Dissertation Abstracts
Drill. Internat. Mag. - Drilling International Magazine
Earth and Planetary Sci. Letters - Earth and Planetary Science Letters
Earth Sci. - Earth Science
Ecology
Econ. Geol. - Economic Geology and the Bulletin of the Society of Economic Geologists
Elect. World - Electric World
Eng. Geol. - Engineering Geology
Eng. and Mining Jour. - Engineering and Mining Journal
EOS - American Geophysical Union Transactions
Florida Acad. Sci. Quart. Jour. - Quarterly Journal of the Florida Academy of Sciences
Gems and Minerals
Geochim. Cosmochim. Acta - Geochimica et Cosmochimica Acta
Geol. Assoc. Canada Spec. Paper - Special Paper of the Geological Association of Canada
Geol. Mag. - Geological Magazine, Hertford, England
Geol. Rundschau - Geologisches Rundschau
Geol. Soc. America Bull. - Geological Society of America Bulletin
Geol. Soc. America Mem. - Geological Society of America Memoir

Geol. Soc. America Spec. Paper - Geological Society of America Special Paper
Geol. Soc. Japan Jour. - Journal of the Geological Society of Japan
Geol. Soc. Oregon Country News Letter - Geological Society of the Oregon Country News Letter
Geol. Survey Canada Bull. - Bulletin of the Geological Survey of Canada
Geo-Marine Techn. - Geo-Marine Technology
Geophysics
Geophys. Jour. - Geophysical Journal
GeoSci. Abs. - GeoScience Abstracts
Geotimes
Harvard Univ., Mus. Comp. Zoology Bull. - Bulletin of the Museum of Comparative Zoology, Harvard
Hydrobiologia
Idaho Bur. Mines and Geology Pamph. - Idaho Bureau of Mines and Geology Pamphlet
Internat. Oil and Gas Devel. - International Oil and Gas Development
Irish Naturalists' Jour. - The Irish Naturalists' Journal
Japanese Assoc. Mineral. Petrol. and Econ. Geol. Jour. - The Journal of the Japanese Association of Mineralogists, Petrologists, and Economic Geologists
Jour. Arnold Arboretum - Arnold Arboretum Journal, Harvard University
Jour. Geology - Journal of Geology
Jour. Geol. Educ. - Journal of Geological Education
Jour. Geomagnetism and Geoelectricity - Journal of Geomagnetism and Geoelectricity
Jour. Geophys. Research - Journal of Geophysical Research
Jour. Mammalogy - Journal of Mammalogy
Jour. Marine Res. - Journal of Marine Research
Jour. Materials - Journal of Materials
Jour. Paleont. - Journal of Paleontology
Jour. Petrology - Journal of Petrology
Jour. Sed. Petrology - Journal of Sedimentary Petrology
Jour. Waterways and Harbors Div. - Proceedings of the American Society of Civil Engineers, Journal of the Waterways and Harbors Division
Kansas Geol. Survey Bull. - State Geological Survey of Kansas Bulletin
Kansas Univ. Paleont. Contr. - University of Kansas Paleontological Contributions
Kent State Univ. Research Ser. -Kent State University Research Series
Lapidary Jour. - Lapidary Journal
Limnol. Oceanog. - Limnology and Oceanography
Madroño
Marine Geol. - Marine Geology, International Journal of Marine Geology, Geochemistry and Geophysics
Mazama
Meteoritics
Michigan Univ. Mus. Zoology Occas. Paper - University of Michigan Museum of Zoology Occasional Paper
Michigan Univ. Mus. Paleont. Contr. - Contributions from the Museum of Paleontology, University of Michigan
Milit. Engineer - Military Engineer
Mineralogist
Mineralog. Rec. - Mineralogical Record
Mining Jour. - Mining Journal, London
Moon
Natl. Geographic Mag. - National Geographic Magazine
Natl. Speleol. Soc. Bull. - Bulletin of the National Speleological Society
Nature
New York Acad. Sci. Ann. - Annals of the New York Academy of Sciences
New York Acad. Sci. Trans. - Transactions of the New York Academy of Sciences
Northwest Sci. - Northwest Science
Nova Hedwigia Beihefte
Ocean Indus. - Ocean Industry

Offshore
Oil and Gas Jour. - Oil and Gas Journal
Ore Bin - The ORE BIN
Oregon Acad. Sci. Proc. - Proceedings of the Oregon Academy of Science
Oregon Business Review
Oregon Dept. Geol. and Mineral Indus. Bull - Oregon Department of Geology and Mineral Industries Bulletin
Oregon Dept. Geol. and Mineral Indus. GMS - Oregon Department of Geology and Mineral Industries Geological Map Series
Oregon Dept. Geol. and Mineral Indus. Misc. Paper - Oregon Department of Geology and Mineral Industries Miscellaneous Paper
Oregon Hist. Soc. Quart. - Oregon Historical Society Quarterly
Oregon Mus. Sci. Indus. Student Research Ctr. - Oregon Museum of Science and Industry Student Research Center
Oregon State Engineer Ground Water Report
Oregon Univ. Mus. Nat. Hist. Bull. - University of Oregon Museum of Natural History Bulletin
Oriente Univ. Inst. Oceanography Bol. - Boletin del Instituto Oceanografico de la Universidad de Oriente
Pacific Builder and Engineer
Pac. Discovery - Pacific Discovery
Palaeobotanist
Paleontology
Pure and Appl. Geophysics - Pure and Applied Geophysics
Quart. Jour. Geol. Soc. London - Quarterly Journal of the Geological Society of London
Radiocarbon
Rev. Geophysics - Review of Geophysics
Rev. Paleobot. Palynol. - Review of Paleobotany and Palynology
Royal Astron. Soc. Geophys. Jour. - Geophysical Journal of the Royal Astronomical Society
San Diego Soc. Nat. Hist. Trans. - Transactions of the San Diego Society of Natural History
Science
Seismol. Soc. America Bull. - Bulletin of the Seismological Society of America
Soil Sci. - Soil Science
Soil Sci. Soc. America Proc. - Soil Science Society of America Proceedings
South. Calif. Acad. Sci. Bull. - Southern California Academy of Science Bulletin
State Geologists Jour. - State Geologists Journal
Texas Jour. Sci. - Texas Journal of Science
Torrey Bot. Club Mem. - Torrey Botanical Club Memoirs, Rutgers University
Univ. Calif. Publ. Geol. Sci. - University of California Publications in Geological Sciences
Univ. Utah Bull. - Bulletin of the University of Utah
U.S. Bur. Mines I.C. - U.S. Bureau of Mines Information Circular
U.S. Bur. Mines R.I. - U.S. Bureau of Mines Report of Investigation
U.S. Geol. Survey Bull. - U.S. Geological Survey Bulletin
U.S. Geol. Survey Circ. - U.S. Geological Survey Circular
U.S. Geol. Survey Geophys. Inv. Map - U.S. Geological Survey Geophysical Investigations Map
U.S. Geol. Survey Hydrol. Invest. Atlas - U.S. Geological Survey Hydrologic Investigations Atlas
U.S. Geol. Survey Oil and Gas Inv. - U.S. Geological Survey Oil and Gas Investigations Chart
U.S. Geol. Survey Prof. Paper - U.S. Geological Survey Professional Paper
U.S. Geol. Survey WSP - U.S. Geol. Survey Water Supply Paper
Veliger - The Veliger
Wash. Div. Mines and Geol. Bull. - Washington Division of Mines and Geology Bulletin
Wash. Div. Mines and Geol. R. I. - Washington Division of Mines and Geology Report of Investigations
Wash. State Inst. Tech. Bull. - Washington State Institute of Technology Bulletin
Wash. State Univ. Lab. Anthropology R. I. - Washington State University Laboratory of Anthropology Report of Investigations
Water Resources Res. - Water Resources Research
Yale Univ. Peabody Mus. Nat. Hist. Bull. - Yale University, Peabody Museum of Natural History Bulletin

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