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INTRODUCTION

The bibliography of North American geology, including paleontology, petrology, and mineralogy, for the year 1949, lists publications on the geology of the Continent of North America and adjacent islands and on Panama, the Hawaiian Islands, and the Island of Guam. It includes textbooks and papers of a general character by American authors, but not papers by foreign authors, except those that appear in American publications.

The papers, with full title and medium of publication, are listed under the names of their authors, which are arranged in alphabetical order. The author list is followed by an index to the literature cited.

The bibliography of North American geology to the end of 1947 is contained in the following bulletins of the United States Geological Survey: 746 and 747 (1785–1918) and 823 (1919–28), by John M. Nickles; 937 (1929–39), 938 (1940–41), 949 (1942–43), and 952 (1944–45), by Emma Mertins Thom; 958 (1946–47) and 968 (1948), by Emma Mertins Thom Marjorie Hooker, and Ruth Reece Dunaver.
SERIALS

The following list gives both the abbreviated citation and the full name of the periodicals and serials which have been examined in the preparation of the bibliography. The place of publication is also given.


Am. Sci.—American Scientist. New Haven, Conn.


Arctic—Arctic. Montreal.


Auk.—The Auk. Lancaster, Pa.
Black Hills Eng.—Blacks Hills Engineer. Rapid City, S. Dak.
Canada Dominion Observatory Pub.—Canada Dominion Observatory Publications. Ottawa.
Canadian Alpine Jour.—Canadian Alpine Journal. Banff, Alberta.
Ciencia—Ciencia. Mexico City.
Compass—The Compass. Menasha, Wis.


Desert Mag.—Desert Magazine. El Centro, Calif.


Earthquake Notes—Earthquake Notes. Washington.

Ecol. Mon.—Ecological Monographs. Durham, N. C.

Ecology—Ecology. Brooklyn, N. Y.

Econ. Geology—Economic Geology. Urbana, Ill.

Econ. Geology Mon.—Economic Geology Monographs. Urbana, Ill.


Field & Lab.—Field & Laboratory. Dallas, Texas.

Fieldiana; Botany—Fieldiana; Botany. Chicago.

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Fieldiana; Zoology—Fieldiana; Zoology. Chicago.


Geophysics—Geophysics. Austin, Texas.


Hopper—The Hopper. Norman, Okla.


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Los Angeles Mus. Quart.—Los Angeles Museum Quarterly. Los Angeles.

Maryland Naturalist—Maryland Naturalist. Baltimore, Md.
Mazama—Mazama. Portland, Oregon.
Meddelelser om Grønland—Meddelelser om Grønland. Copenhagen, Denmark.
Mil. Eng.—Military Engineer. Washington.
Mineralogist—The Mineralogist. Portland, Oregon.
Min. Eng.—Mining Engineering. New York.
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Naturaliste Canadien.—Le Naturaliste Canadien. Quebec City.


Ohio Jour. Sci.—Ohio Journal of Science. Columbus, Ohio.


Oil and Gas Jour.—Oil and Gas Journal. Tulsa, Okla.


Palaeontographica Americana—Palaeontographica Americana. Ithaca, N. Y.


Petroleo Interamericano—Petroleo Interamericano. Tulsa, Okla.

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Pop. Astronomy—Popular Astronomy. Northfield, Minn.

Precambrian—The Precambrian. Winnipeg, Manitoba.


Royal Canadian Inst. Proc.; Trans.—Royal Canadian Institute Proceedings; Transactions. Toronto.
Texas Geog. Mag.—Texas Geographic Magazine. Dallas, Texas.
Texas State Bd. Water Eng. [Rpt.]—Texas State Board of Water Engineers [Reports]. Austin, Texas.
Torreia, Museo Poey, Univ. Habana—Torreia, Museo Poey, Universidad de la Habana. Habana, Cuba.
Volcano Letter—The Volcano Letter. Honolulu.
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Friends Station: Hawkes, H. E., 1.
Texas, Montezuma-Chinati area: McMillan, W. D.
Utah, Bingham area: Hunt, R. N.

Zirconium, minerals, synthesis, stability: Maurice, O. D., 2.