

**BIBLIOGRAPHY
OF ALASKAN GEOLOGY
1965 - 1968**

SPECIAL REPORT 25
.....

**Compiled by:
CRAWFORD E. FRITTS and ELLEN J. TUELL**

**State of Alaska
Department of Natural Resources
DIVISION OF GEOLOGICAL SURVEY
College, Alaska
1972**

STATE OF ALASKA

William A. Egan - Governor

DEPARTMENT OF NATURAL RESOURCES

Charles F. Herbert - Commissioner

DIVISION OF GEOLOGICAL SURVEY

William C. Fackler - Assistant Commissioner for Minerals



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QUADRANGLES OF ALASKA LISTED BY GEOGRAPHIC REGIONS (Continued)

Southeastern Alaska

Arlin
Bradfield Canal
Craig
Dixon Entrance
Juneau
Ketchikan
Mount Fairweather
Mount Saint Elias

Petersburg
Port Alexander
Prince Rupert
Sitka
Skagway
Sumdum
Taku River
Yakutat

Southwestern Alaska

Adak
Afognak
Amukta
Atka
Attu
Bristol Bay
Chignik
Cold Bay (Fort Randall)
False Pass
Gareloi Island
Kaguyak
Karluk
Kiska
Kodiak

Mount Katmai
Naknek (part)
Port Moller
Rat Islands
Samalga Island
Seguam
Simeonof Island
Stepovak Bay
Sutwik Island
Trinity Islands
Ugashik
Umnak
Unalaska
Unimak

Western Alaska

Baird Inlet
Bendeleben
Bethel
Black
Candle
Cape Mendenhall
Dillingham (part)
Goodnews
Hagemeister Island
Holy Cross
Hooper Bay
Hughes (part)
Iditarod
Iliamna (part)
Kateel River
Kotzebue (part)
Kuskokwim Bay
Kwiguk
Lake Clark (part)
Lime Hills (part)
Marshall
McGrath (part)
Medfra

Melozitna
Naknek (part)
Nome
Norton Bay
Nulato
Nunivak Island
Nushagak Bay
Ophir
Pribilof Islands
Ruby
Russian Mission
Selawik (part)
Shishmaref
Shungnak (part)
Sleetmute
Solomon
Saint Lawrence
Saint Matthew
Saint Michael
Taylor Mountains
Teller
Unalakleet

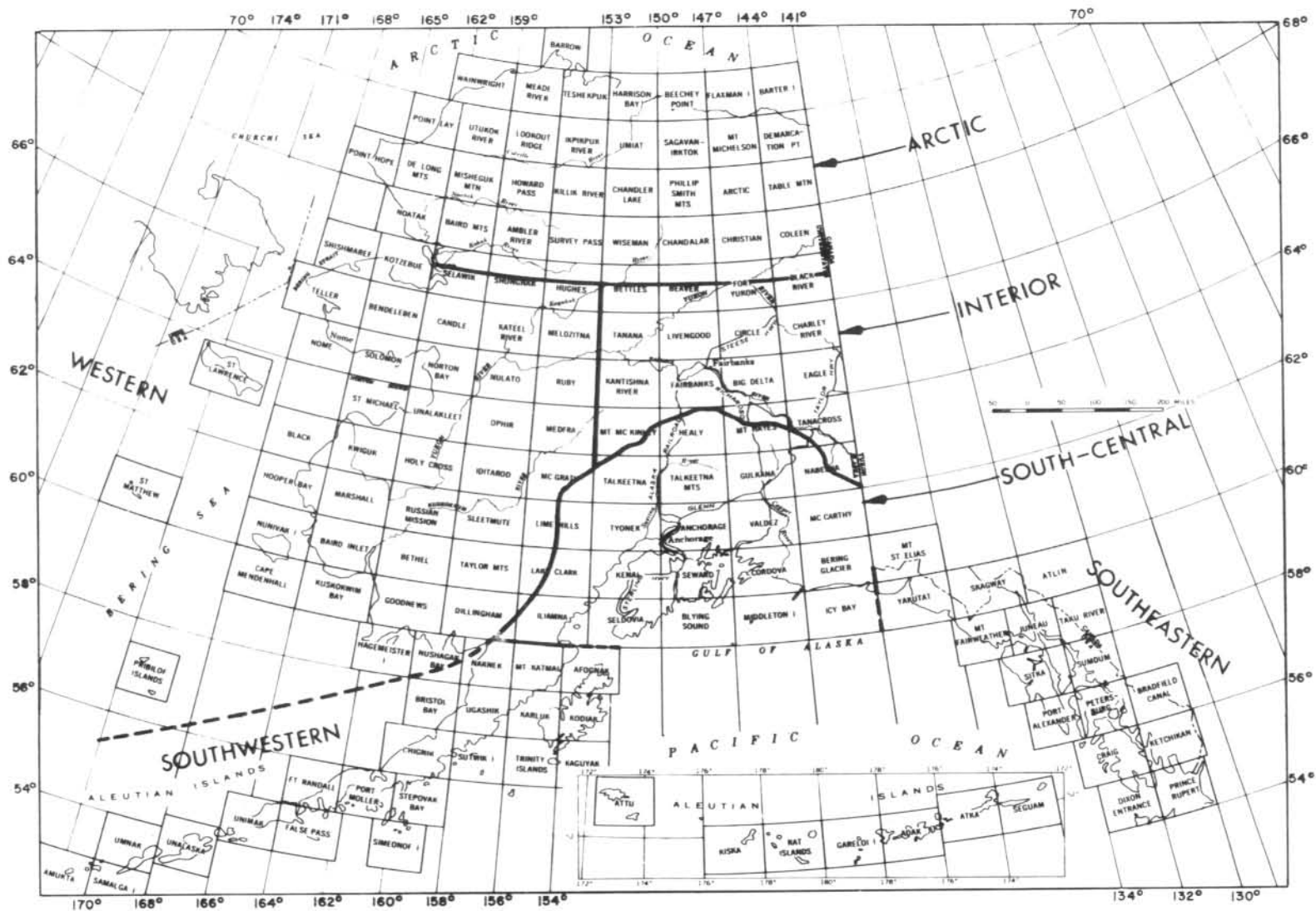


Figure 1. Quadrangles and geographic regions of Alaska as used by the Alaska Geological Survey. (Ft. Randall quadrangle in Southwestern Alaska also is known as Cold Bay quadrangle.)

I N T R O D U C T I O N

PURPOSE, SOURCE AND FORMAT

The Bibliography of Alaskan Geology, 1965-1968, is the fifth volume of a series designed specifically for geologists and others who seek geological literature about Alaska. Except for reports by Mulligan (1959) and Lorain, Wells, Mihelich, Mulligan, Thorne and Herdlick (1958), all other entries listed here were obtained from four volumes of the Bibliography of North American Geology (U. S. Geological Survey Bulletins 1235, 1266, 1267 and 1268). Data from that source have been modified only slightly to facilitate use of the material by the reader, as explained below. No effort was made to confirm the data by firsthand observation of each article or report. Thus information concerning corrections or additions to this volume will be appreciated.

The basic format used here is similar to that adopted by the U. S. Geological Survey. The main part of this volume consists of a bibliography in which all entries are arranged alphabetically by last names of authors or senior authors. The year of publication of each article or report has been moved to a position immediately after its author or authors to facilitate use of the index, which follows the bibliography. In the index, each reference to a given subject is listed by author and year of publication.

Under most major headings in the index, subject material and references are listed according to six arbitrary geographic regions of the State shown in Figure 1. This regional classification currently is used by the Alaska Geological Survey for convenience in report writing and related work. Boundaries are based on bedrock geology, topography, parallels of latitude, and meridians of longitude. The six regions are as follows:

Arctic Alaska, including the Brooks Range and other parts of the State north of the Arctic Circle, which is near latitude $66^{\circ}32'25''$ N.

Interior Alaska, including that part of the State south of the Arctic Circle, north of the Alaska Range, and east of meridian 153° W.

South-central Alaska, including the Alaska Range, adjacent mountainous terrain, and intermediate lowlands north of parallel 59° N. and west of meridian 141° W.

Southeastern Alaska, including all of the State east of meridian 141° W.

Southwestern Alaska, including the Aleutian Islands, Kodiak Island, and the Alaska Peninsula south of parallel 59° N.

Western Alaska, including the Seward Peninsula, Pribilof Islands, and other parts of the State south of the Arctic Circle, northwest of the Alaska Range, and west of meridian 153° W.

In using this volume, the reader may wish to consult the subject index first to find an appropriate reference cited by author and year of publication. The complete reference then can be found in the bibliography under the same author and year. Abbreviations used there are explained under the headings Serial Publications, Other Publishing Media, and Miscellaneous Abbreviations. Finally, the reader may seek the article or report in a suitable library.

COMPILATION

Volumes 1 through 5 of the Bibliography of Alaskan Geology contain the titles of nearly 3400 reports, articles and maps pertaining to earth science in or near Alaska, which were published during a 138-year period, as follows:

(1)	1831-1918	88 years	750 entries	(8.5/year)
(2)	1919-1949	31 years	670 entries	(21.6/year)
(3)	1950-1959	10 years	599 entries	(59.9/year)
(4)	1960-1964	5 years	616 entries	(123.2/year)
(5)	1965-1968	4 years	761 entries	(190.2/year)
<hr/>				
TOTAL		138 years	3396 entries	(24.6/year)

This tabulation shows at least a 22-fold increase in the rate of publication of geologic literature during that period. Some of the reasons for such an increase were given briefly in volume 1.

Preparation of a series such as this is complicated by the fact that publication media, bibliographic form, spelling, abbreviations, indexing categories, and arbitrary geographic divisions of Alaska all have varied with time. In volumes 1 through 4, the senior author attempted to reach some degree of standardization by revising many bibliographic entries and expanding certain indexing categories, especially in volumes 1 and 2. In volume 5, on the other hand, such changes were held to a minimum. Thus the reader probably should check more than one category of the present index when seeking certain kinds of information. For example, a geologic quadrangle map indexed under "MAPS, GEOLOGIC" may not appear under "AREAL GEOLOGY," in spite of the fact that it obviously includes pertinent areal data.

ACKNOWLEDGEMENTS

Final typing and all of the preliminary extraction and compilation of data for this volume were done by the junior author, Mrs. Tuell. Most of the checking and revising of individual entries plus the final compilation, indexing and editing were done by the senior author. We wish to express our appreciation to members of the U. S. Geological Survey, College, Alaska, and members of the faculty and library staff of the University of Alaska at College for assistance in locating, checking, and(or) translating several of the entries listed here. The spelling of all foreign-language entries included in this volume is approximately the same as shown in the Bibliography of North American Geology, but the authors are aware that other spellings may be permissible or perhaps more desirable. The senior author accepts full responsibility for the final wording of all translations, which are given here rather freely.

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Académie des Sciences Comptes Rendus [Academy of Sciences Proceedings]
Paris, France
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Akademii Nauk SSSR Izvestiya, Fizika Zemli. Izdatel'stvo "Nauka" [Proceedings
of the Academy of Sciences of the Union of Soviet Socialist Republics, Earth
Physics. Published by "Nauka," meaning Science]
Moscow, U.S.S.R.
- Akad. Nauk SSSR Izv. Ser. Geofiz.
Akademiya Nauk SSSR Izvestiya, Seriya Geofizicheskaya [Proceedings of the
Academy of Sciences of the Union of Soviet Socialist Republics, Geophysical
Series]
Moscow, U.S.S.R.
- Alaska Div. Mines and Minerals Geochem. Rept.
State of Alaska Department of Natural Resources
Division of Mines and Minerals Geochemical Report
Juneau, Alaska
- Alaska Div. Mines and Minerals Geol. Rept.
State of Alaska Department of Natural Resources
Division of Mines and Minerals Geologic Report
Juneau, Alaska
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State of Alaska Department of Natural Resources,
Division of Mines and Minerals Report (Annual)
Juneau, Alaska
- Alaska Univ. Anthropol. Papers
Anthropological Papers of the University of Alaska
College, Alaska
- Alaska Univ. Geophys. Inst. [Rept. Ser.]
Geophysical Institute, University of Alaska [Report Series]
College, Alaska
- Alaska Univ. Mineral Industry Research Lab. Rept.
University of Alaska Mineral Industry Research Laboratory Report
College, Alaska
- Alaska(n) Sci. Conf. ... Proc.
Proceedings of the Alaska(n) Science Conference. Alaska Division of the
American Association for the Advancement of Science. [See: Sci. Alaska]
College, Anchorage or Juneau, Alaska

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American Antiquity. Society of American Archeology
Washington, D. C.
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Bulletin of the American Association of Petroleum Geologists
Tulsa, Oklahoma
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Memoir of the American Association of Petroleum Geologists
Tulsa, Oklahoma
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American Geophysical Union Geophysical Monograph (National Academy of Science -
National Research Council Publication)
Washington, D. C.
- Am. Geophys. Union Trans.
Transactions of the American Geophysical Union
Washington, D. C.
- Am. Jour. Sci.
American Journal of Science. Kline Geological Laboratory, Yale University
New Haven, Connecticut
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American Midland Naturalist. University of Notre Dame
Notre Dame, Indiana
- Am. Mineralogist
American Mineralogist. Mineralogical Society of America
Washington, D. C.
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Proceedings of the American Society of Civil Engineers,...Journal of the
Soil Mechanics and Foundations Division
New York, New York
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American Society for Testing and Materials Special Technical Publication
Philadelphia, Pennsylvania
- Am. Water Works Assoc. Jour.
Journal, American Water Works Association
New York, New York
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[Geophysical Annals. Review of the National Institute of Geophysics]
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Montreal, Quebec, Canada; Washington, D. C.

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Arctic Institute of North America Research Paper
Montreal, Quebec, Canada; Washington, D. C.
- Arctic Inst. North America Tech. Paper
Arctic Institute of North America Technical Paper
Montreal, Quebec, Canada; Washington, D. C.
- Assoc. Am. Geographers Annals
Annals of the Association of American Geographers
Washington, D. C.
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Petroleum Geologists, Edmonton Geological Society, and Saskatchewan
Geological Society. Alberta Society of Petroleum Geologists
Calgary, Alberta, Canada
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Volcanologie et de Chimie de l'Interieur de la Terre de l'Union
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Proceedings of the International Geological Congress. Academia
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Ann Arbor, Michigan

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Micropaleontology. American Museum of Natural History
New York, New York

Mil. Engineer

Military Engineer. Society of American Military Engineers
Washington, D. C.

Mining Eng.

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Petroleum Engineers
New York, New York

Natl. Acad. Sci.-Natl. Research Council Pub.

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Washington, D. C.

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Society of Economic Paleontologists and Mineralogists Special Publication
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Madison, Wisconsin
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Washington, D. C.
- Tectonophysics
Tectonophysics. International journal of geotectonics and the geology and
physics of the interior of the Earth. Elsevier Publishing Company
Amsterdam, Netherlands
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Terra. Suomen Maantieteellisen Seuran Aikakauskirja (Geografiska Sällskapet
i Finland Tidskrift) [Terra. Finnish Scientific Society Magazine (Geograph-
ical Society of Finland Periodical)]
Helsinki, Finland
- U. S. Air Force Weapons Lab. Tech. Rept.
United States Air Force Weapons Laboratory, Research and Technology Division,
Air Force Systems Command Technical Report
Kirtland Air Force Base, New Mexico
- U. S. Army Corps Engineers Coastal Eng. Research Center Tech. Memo.
United States Army, Corps of Engineers, Coastal Engineering Research Center
Technical Memorandum
Washington, D. C.
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United States Army, Materiel Command, Cold Regions Research and Engineering
Laboratory Research Report
Hanover, New Hampshire
- U. S. Army Materiel Command Cold Regions Research and Eng. Lab. Tech. Rept.
United States Army, Materiel Command, Cold Regions Research and Engineering
Laboratory Technical Report
Hanover, New Hampshire
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United States Bureau of Mines Information Circular
Washington, D. C.

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United States Bureau of Mines Report of Investigations
Washington, D. C.
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United States Coast and Geodetic Survey (Special Publication)
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Rockville, Maryland
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United States Geological Survey Bulletin
Washington, D. C.
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Washington, D. C.
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U. S. Geological Survey Geologic Quadrangle Map
Washington, D. C.
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United States Geological Survey Hydrologic Investigations Atlas
Washington, D. C.
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United States Geological Survey Miscellaneous Geologic Investigations Map
Washington, D. C.
- U. S. Geol. Survey Prof. Paper
United States Geological Survey Professional Paper
Washington, D. C.
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Washington, D. C.
- Water Resources Research
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Washington, D. C.

World Petroleum

World Petroleum. The management publication of the international petroleum industry. World Petroleum
New York, New York

Zisin

Zisin. Journal of the Seismological Society of Japan
Tokyo, Japan

OTHER PUBLISHING MEDIA

- Akad. Nauk SSSR Otdeleniye Nauk o Zemli, Sovet po Seysmologii
Akademiya Nauk SSSR Otdeleniye Nauk o Zemli, Sovet po Seysmologii [Academy of
Sciences of the Union of Soviet Socialist Republics, Division of Earth
Sciences, Seismological Council]
Moscow, U.S.S.R.
- Alaska Geol. Soc.
Alaska Geological Society
Anchorage, Alaska
- Alberta Soc. Petroleum Geologists
Alberta Society of Petroleum Geologists
Calgary, Alberta, Canada
- Am. Inst. Mining, Metall. and Petroleum Engineers
American Institute of Mining, Metallurgical and Petroleum Engineers
New York, New York
- Am. Iron and Steel Inst.
American Iron and Steel Institute (Superseded American Iron and Steel Assoc-
iation)
New York, New York
- Am. Soc. Photogrammetry
American Society of Photogrammetry
Falls Church, Virginia
- Canada Dept. Energy, Mines and Resources
Canada Department of Energy, Mines and Resources
Ottawa, Ontario, Canada
- Elsevier Publishing Co.
Elsevier Publishing Company
London, England; Amsterdam, Netherlands
- Indiana Univ. Press
Indiana University Press
Bloomington, Indiana; London, England
- Inst. Low Temperature Sci.
Institute of Low Temperature Science
Sapporo, Japan
- Internat. Tin Council
International Tin Council
London, England
- John Wiley and Sons
John Wiley and Sons
New York, New York; London, England

- Mezhduevedomstv. Geofiz. Kom. USSR, Rezul'taty Issled. po Programme Mezhdunarod. Geofiz. Goda, Razdel 10, Okeanologicheskive Issledovaniya
 Mezhduevedomstvennyi Geofizicheskii Komitet USSR, Rezul'taty Issledovaniya po Programme Mezhdunaradnogo Geofizicheskogo Goda, Razdel 10, Okeanologicheskive Issledovaniya [Joint Geophysical Committee (of the Presidium) of the Union of Soviet Socialist Republics (Academy of Sciences), Results of Investigations under the Program of the International Geophysical Year, Section 10, Oceanological (Oceanographic) Investigations]
 Moscow, U.S.S.R.
- Moscow University Press
 Moscow University Press
 Moscow, U.S.S.R.
- Nebraska Acad. Sci.
 Nebraska Academy of Sciences and affiliated societies. University of Nebraska
 Lincoln, Nebraska
- Oregon State Univ. Press
 Oregon State University Press
 Corvallis, Oregon
- Sci. Council Japan, Div. Mtg. Solid Earth Physics
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 Tokyo, Japan
- Sierra Club
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 San Francisco, California
- Stanford Univ. Press
 Stanford University Press
 Stanford, California
- United Nations
 United Nations
 New York, New York
- Univ. Michigan, Willow Run Labs.
 University of Michigan, Willow Run Laboratories
 Ann Arbor, Michigan
- Univ. Utah Press
 University of Utah Press
 Salt Lake City, Utah
- U. S. Air Force Cambridge Research Labs., Office Aerospace Research
 United States Air Force Cambridge Research Laboratories, Terrestrial Sciences Laboratory, Office of Aerospace Research
 Bedford, Massachusetts (Defense Documentation Center, Alexandria, Virginia)

- U. S. Atomic Energy Comm. Rept.
United States Atomic Energy Commission Report
Washington, D. C.
- U. S. Bur. Reclamation
United States Bureau of Reclamation
Denver, Colorado
- U. S. Dept. Commerce
United States Department of Commerce
Washington, D. C.
- U. S. Environmental Sci. Services Adm., Coast and Geod. Survey
United States Environmental Science Services Administration, Coast and
Geodetic Survey
Rockville, Maryland
- U. S. Govt. Printing Office
United States Government Printing Office
Washington, D. C.
- W. H. Freeman and Co.
W. H. Freeman and Company
San Francisco, California; London, England
- Yale Univ. Press
Yale University Press
New Haven, Connecticut

MISCELLANEOUS ABBREVIATIONS

abs.	- abstract
art.	- article
Assoc.	- Association
Calif.	- California
Chap.	- Chapter
Colo.	- Colorado
Conf.	- Conference
Cong.	- Congress
D. C.	- District of Columbia
Eng.	- Engineering
geol.	- geological
ibid.	- ibidem (Latin, in the same place)
illus.	- illustration(s)
incl.	- include or including
Ind.	- Indiana
Inst.	- Institute
Internat.	- International
Ltd.	- Limited
Md.	- Maryland
Mt.	- Mount
Nebr.	- Nebraska
no(s).	- number(s)
p.	- page(s)
Proc.	- Proceedings
pt(s).	- part(s)
Sci.	- Science
Sec.	- Section
ser.	- series
spec.	- special
U.S.A.	- United States of America
Va.	- Virginia
vol. or v.	- volume(s)
2d	- second
3d	- third
16th	- sixteenth
23d	- twenty third

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I N D E X

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