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UNITED STATES GEOLOGICAL SURVEY

CHARLES D. WALCOTT, DIRECTOR

CATALOGUE AND INDEX

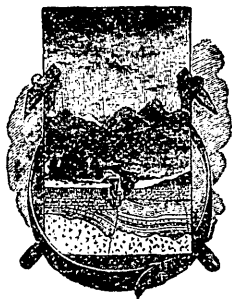
OF CONTRIBUTIONS TO

NORTH AMERICAN GEOLOGY

1732-1891

BY

NELSON HORATIO DARTON



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CATALOGUE AND INDEX OF CONTRIBUTIONS TO NORTH AMERICAN GEOLOGY.

BY N. H. DARTON.

INTRODUCTION.

The scope of this work includes geologic literature published in North America, and such literature on North America (excepting Greenland and Central America) wherever published. Chronologically it includes publications from 1732 to those received prior to the close of 1891.

On pages 11-14 is given a list of serials examined. It covers the principal publications in which geologic contributions have appeared, excepting some odd volumes which were not accessible to me. In official literature there have been examined all the reports in Prime's catalogue,¹ with some additional and all later ones. Many privately published separate works are included, a few of which are known only from notices in reviews or book lists. Paleontologic papers which are purely biologic are not included, nor are papers on mineralogy in which rocks are not described or discussed.

The entries are comprised in two classes, which are arranged in single alphabetic sequence. They are as follows:

1. *Principal entries.*—These consist of full titles of separate contributions, classified by authors, with chronologic subarrangement, together with as much of the usual bibliographic information as appears necessary in a work of this kind. All composite works are segregated into the separate contributions of individual authors as far as practicable. The date is that of the volume imprint of the earliest regular publication of the contribution whenever possible. Accordingly, contributions published in proceedings of societies are given the imprint date of the volume in which they are contained. The size of the volume is given only when it is other than octavo. The extent of papers less than a page in length is indicated thus: ($\frac{1}{2}$ p.), ($\frac{1}{4}$ col.), (3 lines). Place of publication is given for official and separate publications and some obscure journals. Information which I have supplied is placed within brackets.

¹Catalogue of official reports on geological surveys of the United States and Territories and British North America. Am. Inst. Mining Engineers, Trans., vol. 7, pp. 455-522; vol. 8, pp. 466-478; vol. 9, pp. 621-633.

2. *Subject index references.*—These are geographic, stratigraphic, and miscellaneous geologic headings, under which are listed condensed titles of the papers, and the author's name for cross reference to the principal entry. The subarrangement is chronologic. A key to these references is given on pages 7-10. A few general text-books of geology and very general papers have not been indexed.

I am indebted to the catalogue by Prime, the lists of maps by Jules Marcou and J. B. Marcou,¹ lists of papers on the Lake Superior copper region by J. D. Whitney,² a bibliography of Texas, Arkansas, Louisiana, etc., by J. B. Marcou (in manuscript), and to many gentlemen for information or advice. I am also indebted for special courtesies to the librarians of the Academy of Natural Sciences at Philadelphia, the New York Academy of Sciences, the Boston Society of Natural History, the Astor Library of New York, and the Boston Public Library.

Additional references or information for a supplement to this catalogue will be gratefully received by the author, care of the United States Geological Survey, Washington, D. C., U. S. A.

¹ Bull. U. S. Geol. Survey No. 7, 1884.

² Bull. Mus. Comp. Zool. Harvard College, vol. 7, 1884.

CLASSIFIED KEY TO THE SUBJECT ENTRIES.

I. GEOGRAPHIC SUBJECTS.

Africa.
Alabama.
Alaska.
Arizona.
Arkansas.
Asia.
Australasia.
Bermuda.
California.
Canada, with subheadings as follows:
 Provinces of Quebec and Ontario, and Canada in general.
 New Brunswick.
 Nova Scotia, Prince Edward Island, and Cape Breton Island.
 Newfoundland.
 Labrador.
 Manitoba to Rocky Mountain region.
 British Columbia.
 Northern British America (and Greenland).
Central America.
Colorado.
Connecticut.
Dakotas.
Delaware.
East Indies.
Europe.
Florida.
Georgia.
Hawaiian and other Pacific islands.
Idaho.
Illinois.
Indiana.
Indian Territory (and Oklahoma).
Iowa.
Kansas.
Kentucky.

Louisiana.
Maine.
Maryland (including District of Columbia).
Massachusetts.
Mexico.
Michigan.
Minnesota.
Mississippi.
Missouri.
Montana.
Nebraska.
Nevada.
New Hampshire.
New Jersey.
New Mexico.
New York.
North Carolina.
Ohio.
Oregon.
Pennsylvania.
Rhode Island.
South America.
South Carolina.
Tennessee.
Texas.
Utah.
Vermont.
Virginias.
Washington.
West Indies.
Wisconsin.
Wyoming.

II. STRATIGRAPHIC SUBJECTS.

Archean and Algonkian (including all unclassified crystalline rocks),
with subheadings as follows:

New England.

New York, Pennsylvania, New Jersey.

Maryland to Alabama.

Great Lakes region (Michigan, Wisconsin, Minnesota, and Canada
contiguous to lakes Superior and Huron).

West of the Mississippi River (excepting Minnesota).

Eastern (and northern) Canada.

Western Canada (Lake of the Woods region to the Pacific).

General.

Cambrian, with subheadings as follows:

New England.

- New York, Pennsylvania, New Jersey.
- Southern Appalachians (Maryland to Alabama).
- Lakes Superior, Michigan, and Huron region.
- Dakota, Iowa, Nebraska.
- Missouri.
- Texas.
- Rocky Mountains to Pacific coast.
- Canada (excepting adjoining Lake Superior).
- Carboniferous, with subheadings as follows:
 - New England.
 - New York, Pennsylvania, Maryland, Virginia.
 - Ohio.
 - Kentucky, Tennessee, Alabama, Georgia.
 - Michigan.
 - Illinois, Indiana.
 - Iowa, Nebraska, Kansas, Missouri, Arkansas, Indian Territory, Texas.
 - Rocky Mountains to the Pacific coast.
 - Canada (including all of British America).
 - General.
- Cretaceous, with subheadings as follows:
 - Atlantic coast region.
 - Gulf region (Alabama to Louisiana to Kentucky).
 - Dakota and Minnesota to Texas.
 - Rocky Mountains to Great Basin region.
 - Pacific States.
 - Canada.
 - General.
- Devonian, with subheadings as follows:
 - New England.
 - Appalachian (New York to Alabama).
 - West of Appalachians to the Mississippi and Minnesota.
 - West of the Mississippi, excepting Minnesota.
 - Canada (including all of British America).
 - General.
- Juratrias, with subheadings as follows:
 - Massachusetts to North Carolina.
 - Eastern Canada.
 - Dakota to Texas.
 - Rocky Mountain region.
 - California to Washington.
 - Western Canada and Alaska.
 - General.
- Pleistocene, with subheadings as follows:
 - New England.
 - New York.
 - Pennsylvania.

New Jersey.
Maryland, Delaware, Virginia.
North Carolina, South Carolina, and Georgia region.
Gulf region, Florida to Texas and Arkansas.
Ohio, Indiana, Illinois, Kentucky, Tennessee.
Minnesota, Michigan, Wisconsin.
Iowa, Missouri, Nebraska, Kansas region.
Rocky Mountains to Great Basin.
Pacific States.
Eastern Canada.
Western British America.
Alaska.
General.

Silurian, with subheadings as follows:

New England.
Appalachian (New York to Alabama).
West of the Appalachians to the Mississippi River and Minnesota.
West of the Mississippi River, excepting Minnesota.
Canada (including all of British Columbia).
General.

Tertiary, with subheadings as follows:

Atlantic coast region (Massachusetts to Georgia).
Gulf region (Florida to Texas and Kentucky).
Dakotas, Nebraska, Kansas.
Rocky Mountains to Great Basin.
Pacific States.
Canada.
Arctic and Alaska.
West Indies.
General.

III. OTHER SUBJECTS.

Geologic philosophy, with subheadings as follows:

Chemic geology (excepting metamorphism and rock decay).
Origin of coal, petroleum, etc.
Dynamic geology.
Petrology.
Glaciology.
Geological climate.
Volcanism.
Rock decay.
Degradation.
Sedimentation.
Geomorphy.
Coral reefs.
Miscellaneous.

Petrography.

LIST OF SERIALS EXAMINED.

- Akademie der Wissenschaften, Sitzungsberichte, vols. 1-68. Wien.
 Albany Institute, Proceedings, vols. 1, 2, and parts 1-2 of vol. 3. Albany, N. Y.
 ——— Transactions, vols. 1-10. Albany, N. Y.
 American Academy of Arts and Sciences, Proceedings, vols. 1-26. Boston, Mass.
 ——— Memoirs, 1st series, and vols. 1-9, new series. Boston, Mass.
 American Anthropologist, vols. 1-2. Washington, D. C.
 American Association for the Advancement of Science, Proceedings, vols. 1-39. Salem, Mass.
 American Association of Geologists and Naturalists, Transactions, vol. 1 to end of 1848. Boston.
 American Chemical Journal, vols. 1-5. New York.
 American Geographical Society, Bulletin, vols. 19-21. New York.
 American Geologist, vols. 1-8. Minneapolis, Minn.
 American Journal of Conchology, vols. 1-7. Philadelphia.
 American Institute of Mining Engineers, Transactions, vols. 1-19. Easton, Pa., and New York, N. Y.
 American Journal of Science, 1st series, 2d series, and vols. 1-42, 3d series. New Haven, Conn.
 American Mineralogical Journal (Bruce), 1 vol.
 American Mining Gazette and Geological Magazine, 1 vol. New York.
 American Museum of Natural History, Bulletins, vol. 1 to vol. 3, p. 194. New York.
 American Naturalist, vols. 1-25. Philadelphia.
 American Philosophical Society, Proceedings, vols. 1-29 (to No. 135). Philadelphia.
 ——— Transactions, 1st series, vols. 1-16 (part 3).
 American Quarterly Journal of Agriculture and Science, vols. 1-7. New York.
 Annals of Science, vol. 1; vol. 2, Nos. 1-4. Cleveland, Ohio.
 Appalachia, vols. 1-6. Boston.
 Boston Journal of Natural History, vols. 1-7. Boston.
 Boston Society of Natural History, Proceedings, vols. 1-25 (to part 2). Boston.
 ——— Memoirs, vols. 1-4, No. 11, and anniversary volume.
 British Association for the Advancement of Science, Reports, vols. 1-60. London.
 Brookville Society of Natural History, Proceedings, Nos. 1-2. Brookville, Ind.
 Buffalo Society of Natural History, Bulletin, vols. 1-5 (to No. 3). Buffalo, N. Y.
 California Academy of Sciences, Transactions, vols. 1-7. San Francisco.
 ——— Memoirs, vols. 1-2.
 ——— Bulletins, vols. 1-5.
 ——— Bulletins, vols. 1-2.
 ——— Proceedings, vols. 1-2.
 Canada, Royal Society, Transactions, vols. 1-8. Montreal.
 Canadian Institute and Canadian Journal, 1st series, vols. 1-3; new series, vols. 1-15. Toronto.
 ——— Proceedings, vols. 1-7. Toronto.
 ——— Transactions, vol. 1. Toronto.
 Canadian Naturalist, 1st series; new series, vols. 1-10. Montreal.
 Canadian Record of Science, vols. 1-4. Montreal.
 Central Ohio Scientific Association, Proceedings, vol. 1, part 1.

- Central Ohio Scientific Society, Proceedings, vol. 1. Urbana.
 Chicago Academy of Science, Bulletin, vol. 1, Nos. 1-4, 6, 9. Chicago.
 ——— Transactions, vol. 1.
 Cincinnati Society of Natural History, Journal, vols. 1-14, No. 2.
 Cincinnati Quarterly Journal of Science, vols. 1-2.
 Cleveland Academy of Sciences, Proceedings, No. 1.
 Colorado Academy of Sciences, Proceedings, vols. 1-3 (part 2). Denver.
 Congrès Géologique International, Comptes Rendus, 1st, 3d, and 4th sessions.
 Connecticut Academy of Sciences, Transactions, vols. 1-5. New Haven, Conn.
 ——— Memoirs, vols. 1-7; vol. 8, part 1.
 Cornwall Royal Geological Society, Transactions, vols. 1-11. Penzance.
 Davenport Academy of Sciences, Proceedings, vols. 1-5, part 1. Davenport, Iowa.
 Denison University, Scientific Laboratories, Bulletin, vols. 1-5. Granville, Ohio.
 Des Moines Academy of Sciences, Bulletin, vol. 1, No. 1. Des Moines, Iowa.
 Deutsche Geologische Gesellschaft, Zeitschrift, vols. 1-42. Berlin.
 E. M. Museum of Geology and Archeology, College of New Jersey, vol. 1, No. 1. Princeton.
 Edinburgh Geological Society, Transactions, vols. 1-6 (to No. 2).
 Elisha Mitchell Scientific Society, Journal, 1883-1890. Raleigh, N. C.
 Elliott Society of Natural History, Journal, vol. 1, Nos. 1-2. Charleston, S. C.
 ——— Proceedings, vol. 1, vol. 2 (to 1886).
 Engineering and Mining Journal, vols. 32-37, 40-52. New York.
 Essex Institute, Proceedings, vols. 1-6. Salem, Mass.
 ——— Bulletin, vols. 1-22 (to No. 6).
 Essex Natural History Society, Journal, vol. 1. Salem, Mass.
 Forum, 1888, 1890. New York.
 Franklin Institute, Proceedings, vols. 1-127. Philadelphia.
 Geological Society of America, Bulletin, vols. 1-2. Washington.
 Geologists' Association, Proceedings, vols. 1-12. London.
 Geological Magazine, vols. 2-12; 2d decade, vols. 1-10; 3d decade, vols. 1-8. London.
 Geological Society, Transactions, vols. 1-6, 2d series, vols. 1-7. London.
 ——— Quarterly Journal, vols. 1-47.
 Geologist, The, 1842-1843. London.
 Geological Society of Dublin, Journal, vols. 1-10.
 Gesellschaft für Erdkunde zu Berlin, Zeitschrift, vols. 1-21.
 Glasgow Geological Society, Transactions, vols. 1-9 (to part 1).
 Geological and Scientific Bulletin, vol. 1, Nos. 2-7, 9-12. Austin, Tex.
 Geologiska Föreningens i Stockholm, Förhandlingar, vols. 8-12, 1-3.
 Hamilton Association, Journal and Proceedings, vols. 1-3. Hamilton, Ontario.
 Hartford Natural History Society, Transactions, No. 1. Hartford, Conn.
 Harvard College, Museum of Comparative Zoology, Bulletins, vols. 1-22 (to No. 2). Cambridge, Mass.
 ——— ——— Memoirs, vols. 1-13, 16 (to No. 3).
 Illinois Natural History Society, Transactions, vol. 1. Springfield.
 International Congress of Geologists, American Committee's Reports, 1888.
 Iowa Academy of Sciences, Proceedings, 1887-1889. Des Moines.
 Iowa Historical Record, vols. 1-4. Des Moines, Iowa.
 Iowa State University, Laboratories of Natural History, Bulletin, vols. 1; 2, No. 1. Iowa City.
 Ireland, Royal Geological Society, Journal, vol. 17, part 2; vol. 18, part 2. Dublin.
 Johns Hopkins University, Circulars, Nos. 1-94. Baltimore.
 Journal de Géologie, 3 vols. Paris.
 Kansas Academy of Sciences, Proceedings, vols. 2-12. Topeka.
 Kansas Board of Agriculture, Reports, 4th and 5th Annual and 1st and 6th Biennial. Topeka.

- Kansas City Review, vols. 1-8. Kansas City.
 Kirtland Society of Natural Sciences, Papers, No. 1.
 Lackawanna Institute of History and Science, Proceedings, vol. 1. Scranton, Pa.
 Lansing Scientific Association, Proceedings, No. 1. Lansing, Mich.
 Liverpool Geological Association, Transactions, vols. 7-10.
 Liverpool Geological Society, Proceedings, vols. 1-6 (to part 2).
 Liverpool Literary and Philosophical Society, Proceedings, vol. 41. Liverpool.
 London, Edinburgh, and Dublin Philosophical Magazine, new series, vols. 1-23.
 Maclurian Institute, Proceedings, No. 1.
 Manchester Geological Society, Transactions, vols. 1-21 (to part 12). Manchester.
 Manitoba Historical and Scientific Society, No. 20. Winnipeg.
 Maryland Academy of Sciences, Transactions, vol. 1, pp. 1-170. Baltimore.
 Meriden Scientific Association, Transactions, vols. 1-4. Meriden, Conn.
 Mining Magazine and Journal of Geology, vol. 12, Nos. 6, 13; vol. 13, Nos. 1-2. New York.
 Minnesota Academy of Natural Sciences, Bulletin, vols. 1-3 (to No. 1). Minneapolis.
 Monthly American Journal of Geology and Natural Science, Featherstonhaugh, vol. 1. Philadelphia.
 National Academy of Sciences, Memoirs, vols. 2-3; vol. 4, part 1. Washington.
 National Geographic Magazine, vols. 1-3. Washington.
 National Institute, Proceedings, vols. 1-2. Washington.
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 Neues Jahrbuch für Mineralogie, Geologie, und Paleontologie, 1833-1891. Stuttgart.
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 New Orleans Academy of Sciences, Papers, vol. 1, No. 1.
 ——— Proceedings, vol. 1, part 1.
 Newport Natural History Society, Documents, Nos. 1-3. Newport, R. I.
 New York Academy of Science, Transactions, vols. 1-6 (to No. 6). New York.
 ——— Annals, vols. 1-5.
 New York Agricultural Society, Transactions, 1842-1848, 1850-1876. Albany.
 New York Linnæan Society, Transactions, vol. 1. New York.
 New York Literary and Philosophical Society, Transactions, vol. 1; vol. 2, No. 2. New York.
 New York Lyceum of Natural History, Annals, vols. 1-11. New York.
 ——— Proceedings, vols. 1-2 (to No. 4).
 New York State Museum of Natural History, Bulletins 1-10. Albany.
 Nova Scotian Institute of Natural Science, Transactions, vols. 1-7. Halifax.
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 Ohio Mechanics' Institute of Science, Proceedings, vols. 1-2 (to No. 3).
 Ohio Mining Journal, vol. 1, No. 4; vol. 2, Nos. 1-3; vol. 3, No. 1.
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 Pennsylvania Medical Society, Transactions, 2d series, vols. 1-5; 3d series, vols. 1-3; 4th series, vols. 1-2, 14-16, vol. 12, part 2, vol. 13, part 2.
 Pennsylvania Geological Society, Transactions, vol. 1. Philadelphia.
 Peoria Scientific Association, Bulletin, vol. 1. Peoria, Ill.
 Petermann's Mitteilungen, vols. 1-31 and supplements.
 Philadelphia, Academy of Natural Sciences, Proceedings, vols. 1 to end of 1891. Philadelphia.
 ——— Journal, 1st series, new series, vols. 1-8; vol. 9, part 2.
 Popular Science Monthly, complete to end of 1891 and supplements. New York.

- Portland Society of Natural History, Journal, vol. 1. Portland, Me.
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Pottsville Scientific Association, Bulletin, vol. 1. Pottsville, Pa.
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Quebec Literary and Historical Society, Transactions, vols. 1-5 and 1863-1886. Montreal.
Rochester Academy of Sciences, Proceedings, vol. 1, pp. 1-100. Rochester, N. Y.
Royal Geographical Society, Proceedings, vol. 11. London.
Royal Institution of Great Britain, Proceedings, vols. 1-4. London.
St. Louis Academy of Science, Transactions, vols. 1-4; vol. 5, Nos. 1-2. St. Louis, Mo.
Santa Barbara Society of Natural History, Bulletin, vol. 1, No. 2. Santa Barbara, Cal.
School of Mines, Quarterly, vols. 1-12; vol. 13, No. 1. New York.
Science, vols. 1-18. New York.
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Scientific American Supplement, vols. 1-22, 24-30. New York.
Scientific Journal, 1 vol. New York.
Science Observer, vol. 4. Boston.
Scottish Geographical Magazine, vols. 3-6. Edinburgh.
Sedalia Natural History Society, Bulletin No. 1. Sedalia, Mo.
Société Géologique de Belgique, Annales, vols. 1-12.
Société Géologique de France, Bulletin, 1st series; 2d series; 3d series, vols. 1-18.
Société Géologique du Nord, Annales, vols. 1-19. Lille.
Société Géologique du Normandie, Bulletin, vols. 4-10.
Staten Island, Natural Science Association, Proceedings, 1886-1889.
Technology Quarterly, vols. 3-4. Boston.
Trenton Natural History Society, Journal, Nos. 1-2. Trenton, N. J.
Texas, University of, School of Geology, Circular No. 1. Austin.
Vassar Brothers' Institute, Transactions, vols. 1-5. Poughkeepsie, N. Y.
Virginias, The, vols. 1-6. Staunton, Va.
Wagner Free Institute, Transactions, vols. 1-3. Philadelphia.
Washburn College, Bulletins Nos. 1-11. Topeka, Kans.
Washington, Philosophical Society, Bulletin, vols. 1-10, vol. 11, pp. 1-496. Washington.
Wisconsin Academy of Sciences, Proceedings, vols. 1-7. Madison.
Wyoming Historical and Geological Society, Publications, 1-3. Wilkesbarre, Pa.
Yorkshire Geological and Polytechnic Society, Proceedings, vols. 1-6; new series, vols. 7-9; vol. 11, parts 1-2.

CATALOGUE AND INDEX.

A.

A. Proofs that general and powerful currents have swept and worn the surface of the earth.

Am. Jour. Sci., vol. 11, pp. 100-104, 1826.

Abbot, Henry L. The physics of the Mississippi River.

Van Nostrand's Eng. Mag., vol. 20, pp. 1-6, 1879.

— **Humphreys, A. A., and.** Report upon the physics and hydraulics of the Mississippi River, upon the protection of the alluvial regions against overflow, and upon the deepening of the mouths. Based upon surveys and investigations [etc.]. U. S. Army, Corps of Topographical Engineers, Prof. papers, No. 4, xiii, 456, cxlvii pages, 20 plates, 4^c, Philadelphia, 1861. Also Washington, 1861. Again, 214 pages, 1 plate, Washington, 1867. With additions, 691 pages, 25 plates (Prof. papers, No. 13), Washington, 1876.

Reviewed by J. B. Eads, Van Nostrand's Eng. Mag., vol. 19, pp. 211-229, 1878.

Abbott, C. C. Primitive industry; or illustrations of the handiwork in the stone, bone, and clay of the native races of the northern Atlantic seaboard of America.

Peabody Acad. Sci., Salem, 1881. [Not seen.]

— A recent find in the Trenton gravels.

Boston Soc. Nat. Hist., Proc., vol. 22, pp. 96-104, 1884.

Abbott, Charles A. On the antiquity of man in the valley of the Delaware.

Boston Soc. Nat. Hist., Proc., vol. 23, pp. 424-426, 1888.

Abert, J. J. Annual report Bureau of Topographical Engineers, 1839.

Message Prest. U. S., 26th Cong., 1st sess., H. R. Ex. Doc. No. 2, pp. 632-893 [Washington, 1840].

Abert, J. W. Journal from Bent's Fort to St. Louis in 1845.

Message Prest. U. S., 29th Cong., 1st sess., Senate Doc. No. 438, pp. 2-75, 12 plates, maps, Washington, 1846.

— [Notes from Fort Leavenworth to Bent's Fort.]

Emery's notes of a military reconnoissance, pp. 386-414, Washington, 1848.

— Report on examination of New Mexico in the years 1846-47.

Report Sec. War, 30th Cong., 1st sess., Senate Doc. No. 23, pp. 3-130, 24 plates, map [Washington, 1848]; 30th Cong., 1st sess., Ex. Doc. No. 41, pp. 417-546 [Washington, 1848].

Abert, S. J. Report [on a survey and reconnoissance] of the Arkansas River.

Letter Sec. War, 41st Cong., 2d sess., H. R. Ex. Doc. No. 295, pp. 3-33 [Washington, 1870].

Abert, S. T. Examination of Catawba River from South Carolina line to Old Fort, North Carolina.

U. S. Army, Chief of Engineers, Report for 1876, part 1, pp. 367-376, Appendix G, 1876.

— **Geology.**

Letter from the Acting Secretary of War, transmitting report of S. T. Abert on the survey of a line to connect the waters of the Cape Fear and Neuse rivers [etc.], 44th Cong., 1st sess., Senate Ex. Doc. No. 35, pp. 15-18, 1876.

Adams, C. B. First annual report on the geology of the State of Vermont, 92 pages, map, Burlington, 1845.

Includes letter by E. Hitchcock, pp. 64-68; report by Hall and Thompson, pp. 68-78, and letter by Thayer, pp. 77-79.

— Second annual report on the geology of the State of Vermont, 267 pages, Burlington, 1846.

Includes notes by S. R. Hall, pp. 174-214; letter by E. Hitchcock, pp. 247-252; report by Z. Thompson, pp. 259-261.

Adams, C. B. Notice of an example of apparent drift furrows dependent on structure.

Am. Jour. Sci., 2d series, vol. 3, pp. 433-434, 1847.

— Third annual report on the geology of the State of Vermont, 32 pages, Burlington, 1847.

— Observation on a polished rock [Winoski, Vt.].

Read to Assoc. Am. Geol.

Am. Jour. Sci., 2d series, vol. 5, p. 110 ($\frac{1}{2}$ p.), 1848.

Am. Quart. Jour. Agri. and Sci., vol. 6, pp. 215-216 ($\frac{1}{2}$ p.), October number, 1848.

— Fourth annual report on the geological survey of Vermont, 8 pages, Burlington, 1848.

— On the Taconic rocks.

Read to Assoc. Am. Geol.

Am. Jour. Sci., 2d series, vol. 5, pp. 108-110, 1848.

Can. Nat., vol. 6, pp. 324-325, 1861.

Am. Quart. Jour. Agri. and Sci., vol. 6, p. 212 (November number, 1847) [1848?].

— Suggestions on changes of level in North America during the drift period.

Am. Assoc. Adv. Sci., Proc., vol. 4, pp. 60-64, 1851.

— and **Gray, Alonzo.** Elements of geology, 354 pages, Cincinnati, 1853. [Not seen.]

Adams, Frank D. Notes on the microscopic structure of some rocks of the Quebec group.

Geol. Surv. Canada, report of progress, 1880-81-82, pp. 8 A-23 A, Montreal, 1883.

— On the occurrence of the Norwegian "Apatitbringer" in Canada, with a few notes on the microscopic characters of some Laurentian amphibolites.

British Assoc., Report of 54th meeting, p. 717 ($\frac{1}{2}$ p.), 1885.

— On the presence of zones of certain silicates about the olivine occurring in anorthosite rocks from the River Saguenay.

Am. Nat., vol. 19, pp. 1087-1090, 1885.

— On the coal-bearing rocks of Canada.

British Assoc., Report of 56th meeting, 1886, pp. 639-641, 1887.

— The anorthosite rocks of Canada.

British Assoc., report of 56th meeting, 1886, pp. 666-667, 1887.

— [Analyses; shell marl from Anticosti, and carbonaceous schist from Lake of the Woods.]

Canada Geol. and Nat. Hist. Surv., Report 1880, Part T, p. 41 ($\frac{1}{2}$ p.), 1887.

Adams, Frank D. [Summary of observations in 1887 in Montcalm and Joliette counties.]

Canada, Geol. Surv., Reports, vol. 3, new series, part 1, Report A, pp. 27-28, Montreal, 1888.

— [Account of explorations in the eastern townships of Quebec.]

Canada, Geol. Surv., Reports, vol. 3, new series, part 1, Report A, pp. 84-85, Montreal 1888.

— Notes on the lithological character of some of the rocks collected in the Yukon district and adjacent northern portion of British Columbia.

Canada, Geol. Surv., Reports, vol. 3, new series, part 1, Report B, pp. 235-240, Montreal, 1888.

— On the microscopical character of the ore of Treadwell mine, Alaska.

Am. Geol., vol. 4, pp. 88-93, 1889.

Abstract Am. Nat., vol. 23, p. 721 (6 lines), 1889.

— Notes to accompany a tabulation of the igneous rocks, based on the system of Prof. H. Rosenbush.

Canadian Rec. of Sci., vol. 4, pp. 463-469, pl., 1890.

— [Summary report on surveys in the St. Maurice district, eastern townships.]

Canada, Geol. Surv., Reports, vol. 4, new series, Report A, pp. 34-35 ($\frac{1}{2}$ p.), 1890.

— On some granites from British Columbia and the adjacent parts of Alaska and the Yukon district.

Canadian Rec. of Sci., vol. 4, pp. 344-358, 1891.

— and **Lawson, Andrew C.** On some Canadian rocks containing scapolite, with a few notes on some rocks associated with the apatite deposits.

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- Examination by Hall of Silurian collection, Honeyman.
- Carboniferous of Cape Breton, Gilpin.
- Faults and foldings of Pictou coal field, Gilpin.
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- Southern invertebrates on shores of Acadia, Ganong.
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- Relations of Nova Scotia minerals, Gilpin.
- Glacial geology of Nova Scotia, Honeyman.
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- Cambrian group of North America, Walcott.
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1858. Coal fields of the United States, etc., Rogers, H. D.
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- Notes on Charlotte County, Matthew.
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- Bed of coal among lean beds, Hendry.
- Reiseskizzen aus New Brunswick, Credner.
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- Fauna of primordial in vicinity of St. John, Matthew.
- Albertite of New Brunswick, Hitchcock, C. H.
1866. Map of Canada, etc., Logan and Hall.
1868. Grand Manan, Verrill.

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1869. Origin of albertite and allied minerals, Peckham.
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1870. Geology of New Brunswick and Nova Scotia, Hind.
- Report on part of New Brunswick, Robb.
1871. Metalliferous deposit of Gloucester, Henwood.
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- Copper ore on Grand Manan, Chapman.
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1888. Basal series of Cambrian in Acadia, Matthew.
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1842. Excursions in Newfoundland in 1839 and 1840, Jukes.
1843. Report on survey of Newfoundland, Jukes.
1844. Newfoundland in 1842, Bonycastle.
1846. Bonaventure River district, Murray, A.

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1862. Geology and physical characteristics of Newfoundland, Perley.
1866. Report of survey of Newfoundland for 1865, Murray, A.
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1868. Survey of Newfoundland for 1868, Murray, A.
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1873. Geologic map of Newfoundland, Murray, A.
1874. Coal and lower Carboniferous of western Newfoundland, Gilpin.
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1875. Gander River, Murray, A.
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- 1851. Glaciation on shore of Labrador, Wyman. Subsidence of shore of Labrador, Wyman.
 - 1860. Coast of Labrador, Lieber. Tertiary fossils from Labrador, Maine, etc., Dawson, J. W.
 - 1861. Expedition nach Labrador, Lieber.
 - 1864. Supposed glacial drift in Labrador and western Canada, Hind.
 - 1866. Drift phenomena of Labrador, Packard. Glacial phenomena of Labrador and Maine, Packard.
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 - 1852. Geology of Lake of the Woods, Bigsby.
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1861. Country between Lake Superior and the Pacific, Hector.
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1863. Fossil plants collected on northwest boundary, Newberry.
1865. Sub-Carboniferous conglomerate in the far West, Lesquereux.
1869. Certain physical features of Upper Mississippi River, Warren, G. K.
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Cretaceous and Tertiary plants from Yellowstone, Newberry.
1870. Later extinct flora of North America, Newberry.
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1873. Reconnaissance from Lake Superior to Fort Garry, Selwyn.
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1874. Geology, Canada Pacific Railway, Macoun.
Boring in Manitoba, Ward.
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1875. Lignite formation of the West, Dawson, G. M.
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1877. Borings in Northwestern Territory in 1875, Ellis.
Notes on Lower Peace and Athabasca rivers, Macoun.
1878. Reconnaissance of Leech River vicinity, Dawson, G. M.
1879. North American Mesozoic and Cenozoic, Miller, S. A.
Country between Lake Winnipeg and Hudson Bay, Bell.
1880. Silurian and Devonian fossils from Manitoba, etc., Whitceaves.
1881. Borings in Souris River Valley, Selwyn.

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Plants from Tertiary of Souris River, Manitoba, Dawson, J. W.
Ancient outlet of Lake Manitoba, Treherne.
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1882. Southward discharge of Lake Winnipeg, Dana, J. D.
1883. Lake Agassiz, Upham.
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Fauna and extent of the Laramie, White, C. A.
Silurian near Winnipeg, Pantton.
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1884. Glacial boundary in Ohio, Indiana, and Kentucky, Wright, G. F.
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1885. Silurian in Red River Valley, Pantton.
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Vertebrata of the Swift Current Creek region, Cope.
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Cascade coal field, Merritt.
1887. Coal rocks of Canada, Adams, F. D.
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 Formations of Belly River, Cope.
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1888. On Sceptropora, Ulrich.
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1829. Geology of Lake Superior, Bayfield.

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1838. Report of State geologist of Michigan, 1837, Houghton.
1839. Report on Wayne and Monroe counties, Mich., Hubbard, B.
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1843. Geology of New York, first district, Mather.
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1869. Geology of portions of Minnesota, Hall, J.

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1870. Recent changes in northeastern Wisconsin, Stuntz.
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Hay, O. P.
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1854. Exploration between thirty-eighth and forty-first parallel in 1853-54, Schiel.
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1856. Reconnaissance from the Mississippi to Los Angeles, Cal., Marcou, J.
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1861. Report on Colorado River, Newberry.
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1863. Silver mines of Arizona, Pumphelly.
1866. Gaylussite from Nevada, Silliman.
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1886. Glacial action, Copper River, Allen, H. T.
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