

Province of Manitoba

DEPARTMENT OF MINES AND NATURAL RESOURCES

MINES BRANCH

PUBLICATION 51-2

Bibliography of

Geology, Palaeontology, Industrial Minerals, and Fuels

In The Post-Cambrian Regions of Manitoba

to 1950

WINNIPEG 1 9 5 1



Province of Manitoba

DEPARTMENT OF MINES AND NATURAL RESOURCES

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Compiled by Lillian B. Kerr

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PREFACE

This bibliography was compiled to provide a convenient index of geological publications dealing with the part of Manitoba underlain by rocks of post-Cambrian age. A similar bibliography, listing publications to the end of 1945 was published in 1949. Several errors which appeared in the earlier bibliography have been corrected, some publications formerly omitted have been included, some publications included in the earlier edition have been omitted because they contained only very slight reference to Manitoba, and the list has been made as complete as possible to the end of 1950. A similar bibliography has been compiled dealing with the Precambrian area of Manitoba.

The bibliography has been divided into two parts. In Part I the publications are indexed by authors in alphabetical and chronological order. Where more than one report by any author appears with the same date, they are distinguished, for reference purposes, by an artificial a, b, etc. as 1947a and 1947b. Part II is divided into two sections; the first contains publications dealing with geology and palaeontology, and the second contains publications dealing with industrial minerals and fuels. In Part II, the authors' names, the names of the publications and dates are given, and the reader is referred to Part I for the complete reference.

Although every effort has been made to make this a complete bibliography of the subjects concerned it is possible that some publications have been omitted. Suggestions for supplements or revisions will be appreciated.

Acknowledgement is made of the kind assistance offered by the staffs of the Science Library of the University of Manitoba, the Manitoba Provincial Library, and the Library of the Geological Survey of Canada.

PART I

REFERENCES INDEXED BY AUTHORS

- Allan, J. D.

 (1949a): (and Kerr, L. B.). Manitoba Subsurface Yields

 Oil Hope in Madison Lime Find.

 Oil in Canada, vol. 1, No. 51, pp. 12-13.

 (1949b): (and Kerr, L. B.). Geological Horizons Higher
 - (1949b): (and Kerr, L. B.). Geological Horizons Higher at Second Manitoba Test Well.
 Oil in Canada, vol. 2, No. 3, pp. 12-14.
 - (1950): (and Kerr, L. B.). Oil and Gas Exploration in Manitoba.

 The Precambrian, vol. 23, No. 10, pp. 8-10.
- Anrep, A.

 (1912a): Investigation of the Peat Bogs and Peat Industry
 of Canada, 1910-11.

 Mines Branch, Canada, Bull. No. 8 (Rept. No. 151),
 49 pp.
- (1912b): Investigation of Peat Bogs, 1911.
 Mines Branch, Canada, Sum. Rept. 1911, pp. 55-56.
- Antevs, Ernst.

 (1930): Last Ice Recession in Northern Manitoba (abstract).

 Bull. Geol. Soc. Am., vol. 41, p. 94.

 (1931): Late-Glacial Correlations and Ice Recession in

 Manitoba.

 Geol. Surv., Canada, Mem. 168, 76 pp.
- Baillie, A. D.
 (1950): Devonian Geology of Lake Manitoba Lake Winnipegosis Area.

 Manitoba Mines Branch, Pub. 49-2, 72 pp.
- Baker, W. F. (1926): See Wallace, R. C.

pp. 24-56.

- Bell, Robert.

 (1874): Report on the Country between Red River and the South Saskatchewan, with Notes on the Geology of the Region between Lake Superior and Red River.

 Geol. Surv., Canada, Rept. of Prog. 1873-74, pp. 66-90.
 - (1876): Report on the Country West of Lakes Manitoba and Winnipegosis, with Notes on the Geology of Lake Winnipeg.

 Geol. Surv., Canada, Rept. of Prog. 1874-75.

(1880): Report on Explorations on the Churchill and
Nelson Rivers and around God's and Island Lakes,
1879.
Geol. Surv., Canada, Rept. of Prog. 1878-79, pt. C,
72 pp.

Birse, D. J.
(1928): Dolomitization Processes in the Palaeozoic Horizons of Manitoba.

Trans. Roy. Soc., Canada, 3rd ser., vol. 22, sec. 4, pp. 215-221.

Brownell, G. M.

(1931): The Amaranth Gypsum Deposit.

Can. Min. and Met. Bull., vol. 34, No. 233,

pp. 1048-1068.

(1942): Quartz Concretions in Gypsum and Anhydrite.

Univ. of Toronto Studies Gool Ser. No. 47

Univ. of Toronto Studies, Geol. Ser. No. 47, pp. 7-18.

Bryce, George.
(1891a): Surface Geology of the Red River and Assiniboine
Valleys.

Trans. Hist. and Sci. Soc. of Manitoba, No. 41,

(1891b): Older Geology of the Red River and Assiniboine Valleys.

Trans. Hist. and Sci. Soc. of Manitoba, No. 42,
7 pp.

(1907): Everyman's Geology of the Three Prairie Provinces of the Canadian West.
Winnipeg, 68 pp.

Cameron, E. L.
(1947a): Bentonite in the Miami-Deerwood Area, Manitoba.
Can. Min. Jour., vol. 68, No. 9, p. 643.

(1947b): A New Bentonite Deposit South of Thornhill, Manitoba.
Manitoba Mines Branch, Inform. Memor. No. 2, 1 p.

(1948): Peat Moss in Manitoba.
Manitoba Mines Branch, Bull. No. 48-1, 11 pp.

(1949a): A Review of Industrial Mineral Developments in Manitoba.

Trans. Can. Inst. Min. and Met., vol. 52, pp. 9-14.

(1949b): Salt, Potash and Phosphate in Manitoba.

Manitoba Mines Branch, Bull. No. 48-9, 13 pp.

Carpenter, F. M. et al.

(1937): Insects and Arachnids from Canadian Amber.
Univ. of Toronto Studies, Geol. Ser. No. 40,
pp. 7-62.

Chalmers, Robert.

(1904): Bulletin on Peat, (Peat in Canada).

Geol. Surv., Canada, Mineral Resources Bulletin,
40 pp.

(1906): Surface Geology of Manitoba, Saskatchewan and Alberta.
Geol. Surv., Canada, Sum. Rept. 1905, pp. 67-69.

Clapp, F. G.
(1915): Petroleum and Natural Gas Resources of Canada.
Mines Branch, Canada, Rept. No. 291, vol. II, 404 pp.

Cole, G. E.

(1938): The Mineral Resources of Manitoba.

Manitoba, Econ. Survey Board, 195 pp.

(1947): Oil Possibilities in Manitoba.

Western Miner, vol. 20, No. 10, p. 70.

Cole, L. H.

(1913): Gypsum in Canada. Its Occurrence, Exploitation, and
Technology.

Mines Branch, Canada, Rept. No. 245, 256 pp.

(1914): Saline Springs of Manitoba.

Mines Branch, Canada, Rept. No. 285, pp. 50-53.

(1915): Report on the Salt Deposits of Canada and the Salt Industry.

Mines Branch, Canada, Rept. No. 325, 152 pp. (1928a): Silica in Canada. Its Occurrence, Exploitation, and Uses, Part II.

Mines Branch, Canada, Rept. No. 686, 59 pp. (1928b): (and McMahon, J. F.). Kaolin and Associated Clays of Punk Island.

Mines Branch, Canada, Rept. No. 690, pp. 25-35.

(1930a): The Gypsum Industry of Canada.
Mines Branch, Canada, Rept. No. 714, 164 pp.

(1930b): The Salt Industry of Canada.
Mines Branch, Canada, Rept. No. 716, 116 pp.

(1930c): The Story of Gypsum in Canada.
Can. Min. and Met. Bull., vol. 33, No. 221, pp. 1206-1229.

(1933): (and Rogers, R. A.). Anhydrite in Canada, Occurrence, Properties, and Utilization.
Mines Branch, Canada, Rept. No. 732, 89 pp.

Dawson, A. S.

(1942): Manganese Occurrences in Manitoba.

Manitoba Mines Branch, Prelim. Geol. Rept. No. 42-1,
22 pp.

Dawson, G. M.

(1875): Note on the Occurrence of Foraminifera, Coccoliths, etc. in the Cretaceous Rocks of Manitoba.

Can. Nat., vol. 7, new ser., pp. 252-257.

(1881): On the Lignite Tertiary Formation from the Souris River to the 108th Meridian.

Geol. Surv., Canada, Rept. of Prog. 1879-80, Appen. I to pt. A, pp. 12-16.

(1886): On Certain Borings in Manitoba and the Northwest Territory.

Trans. Roy. Soc., Canada, vol. 4, sec. 4, pp. 85-99.

Dawson, J. W.
(1890): (and Penhallow, D. P.). On the Pleistocene Flora of Canada.
Bull. Geol. Soc. Am., vol. 1, pp. 311-320.

Dawson, S. J.

(1859): Report on the Exploration of the Country between
Lake Superior and the Red River Settlement and
between the Latter Place and the Assiniboine and
Saskatchewan.

Canada, Legislative Assembly Jour., vol. 17, Appendix 36.

DeWet, J. P. (1934): The Story of Gypsum in Manitoba. Can. Min. Jour., vol. 45, pp. 20-24.

Dowling, D. B.

(1900): Report on the Geology of the West Shore and Islands

of Lake Winnipeg.

Geol. Surv., Canada, Ann. Rept. 1898, pt. F, 100 pp.

(1906a): Eastern Assiniboia and Southern Manitoba.

Geol. Surv., Canada, Ann. Rept. 1902, pt. A, pp.
182-192.

(1906b): Notes to Accompany a Contoured Plan of the Lower Slope of Turtle Mountain.

Geol.Surv., Canada, Ann. Rept. 1902, pt. A, pp. 193-203.

(1914): Coal Fields of Manitoba, Saskatchewan, Alberta, and Eastern British Columbia.

Geol. Surv., Canada, Mem. 53, 142 pp.

(1915): Coal Fields and Coal Resources of Canada. Geol. Surv., Canada, Mem. 59, 174 pp.

(1919): (and Slipper, S. E. and McLearn, F. H.). Investigations in the Gas and Oil Fields of Alberta,
Saskatchewan, and Manitoba.
Geol. Surv., Canada, Mem. 116, 89 pp.

(1920): Oil Possibilities and Developments in the Great Plains.
Geol. Surv., Canada, Sum. Rept. 1919, pt. C, pp. 20-24.

Drummond, A. T.
(1888): The Prairies of Manitoba.
Can. Rec. Sci., vol. 3, No. 1, pp. 39-43.

Dufresne, J. I.

(1888): Exploratory Survey of Lake Winnipegosis and of Swan and Red (Overflowing) Rivers.

Canada, Dept. of Int., Ann. Rept. 1887, pt. 2, pp. 71-74.

Ellis, J. H.
(1938): The Soils of Manitoba.

Manitoba, Econ. Survey Board, 112 pp.

(1939): (and Hobbs, J. A.). Report of the Reconnaissance Soil Survey, Municipality of Armstrong, Manitoba. Manitoba, Dept. of Agric. and others, 48 pp.

(1940): (and Shafer, W. H.). Reconnaissance Soil Survey, South-Western Manitoba. Manitoba, Dept. of Agric. and others, 104 pp.

(1943): (and Shafer, W. H.). Report of Reconnaissance Soil Survey of South-Central Manitoba.

Manitoba, Dept. of Agric. and others, 146 pp.

Ells, S. C.
(1923): Cretaceous Shales of Manitoba and Saskatchewan:
Their Economic Value as a Possible Source of
Crude Petroleum.
Mines Branch, Canada, Rept. No. 586, pp. 34-41.

Foerste, A. F.

(1927): (and Savage, T. E.). Ordovician and Silurian Cephalopods of the Hudson Bay Area.

Denison Univ., Jour. Sci. Labs., vol. 22, pp. 1-107.

(1929): The Cephalopods of the Red River Formation of Southerm Manitoba.

ern Manitoba.
Denison Univ., Jour. Sci. Labs., vol. 24, pp. 129-235.

Gallay, Wilfred.
(1938): Canadian Bentonites.
Can. Jour. Research, vol. 16, No. 1, sec. B, pp.
6-34.

Goudge, M. F.

(1930): Preliminary Report on the Limestones of Northern and Western Ontario and of the Prairie Provinces.

Mines Branch. Canada. Rept. No. 710, pp. 1-18.

(1933): Canadian Limestones for Building Purposes.

Mines Branch, Canada, Rept. No. 733, 196 pp.

(1944): Limestones of Canada; Their Occurrence and Characteristics, Part V, Western Canada.

Mines and Geology Branch, Bureau of Mines, Canada,

Rept. No. 811, 233 pp.

Greer, Leonard.

(1927): See Wallace, R. C.

Harrington, B. J.

(1873): Notes on Samples of Brick Clay from Fort Garry. Geol. Surv., Canada, Rept. of Prog. 1872-73, pp. 296-299.

(1891): On the So-called Amber of Cedar Lake, North Saskatchewan, Canada. Amer. Jour. Sci., vol. 42, pp. 332-335.

Hector, James.

(1861): On the Geology of the Country between Lake Superior and the Pacific Ocean (between the 48th and 54th parallels of latitude) visited by the Government Exploring Expedition under Command of Capt. J. Palliser, (1857-1860).

Jour. Geol. Soc. (London), vol. 17, pp. 388-445.

Hind, H. Y.

(1859): A Preliminary and General Report on the Assiniboine and Saskatchewan Exploring Expedition.

Canada, Legislative Assembly Jour., vol. 19, Appendix 36.

Hobbs, J. A. (1930): See Ellis, J. H.

Hoffmann, G. C.

(1880): Chemical Contributions to the Geology of Canada Waters of the Assiniboine and Red Rivers.
Geol. Surv., Canada, Rept. of Prog. 1878-79, pt. H,
pp. 8-11.

(1883): Chemical Contributions to the Geology of Canada - Indurated Clay.

Geol. Surv., Canada, Rept. of Prog. 1880-81-82,

pt. H, pp. 2-3.

MM. p. 1.

(1885): Chemical Contributions to the Geology of Canada Building Stones.
Geol. Surv., Canada, Rept. of Prog. 1882-83-84, pt.

- Chemical Contributions to the Geology of Canada -(1886):Natural Waters. Geol. Surv., Canada, Ann. Rept. 1885, pt. M. pp. 13-15. (1887):Chemical Contributions to the Geology of Canada -Natural Waters. Geol. Surv., Canada, Ann. Rept. 1886, pt. T, pp. 13-14-(1893): Chemical Contributions to the Geology of Canada -Natural Waters. Geol. Surv., Canada, Ann. Rept. 1890-91, pt. R, pp. 26-33. (1895):Chemical Contributions to the Geology of Canada -Rocks. Natural Waters. Geol. Surv., Canada, Ann. Rept. 1892-93, pt. R, pp. 33, 76-79. Report of the Section of Chemistry and Mineralogy -(1896):Natural Waters. Geol. Surv., Canada, Ann. Rept. 1894, pt. R, pp. 56-57. (1898):Report of the Section of Chemistry and Mineralogy -Miscellaneous Examinations, Clay. Geol. Surv., Canada, Ann. Rept. 1896, pt. R, pp. 51-52. Hume, G. S. (1933): Oil and Gas in Western Canada. Geol. Surv., Canada, Econ. Geol. Ser., No. 5,
- 359 pp. (1947):Geology and Economic Minerals of Canada. Geol. Surv., Canada, Econ. Geol. Ser., No. 1, 3rd
 - ed., 357 pp. (1950): (and Ignatieff, A.). Natural Gas Reserves of Prairie Provinces. Geol. Surv., Canada, Special Rept., 399 pp.
- Hutt, G. M. (1932a): Clays and Clay Products Industry in Western Canada. The Precambrian, vol. 5, No. 2, pp. 18-23. (1932b):

Clays and Shales in Manitoba. Concrete and Quarry, vol. 3.

- (1934): (and Siebert, F. V.). Industrial and Fuel Minerals of Manitoba. Can. Min. and Met. Bull., vol. 27, No. 266, pp. 316-332.
- (1950): Searching for Industrial Minerals in Manitoba. The Precambrian, vol. 23, No. 11, pp. 41-43.

- Ignatieff, A. (1950): See Hume, G. S.
- Ingall, E. D.

 (1891): Division of Mineral Statistics and Mines Fossil Resin ("Amber"), Gypsum.

 Geol. Surv., Canada, Ann. Rept. 1890, pt. S,
 pp. 14-15, 43-44, 77-78.
 - (1905): Section of Mines Gypsum.
 - Geol. Surv., Canada, Ann. Rept. 1901, pt. S, p. 53.
 - (1926): Deep Borings in the Prairie Provinces and Northwest Territories.

 Geol. Surv., Canada, Sum. Rept., 1925, pt. B. pp.

Geol. Surv., Canada, Sum. Rept. 1925, pt. B, pp. 31-42.

- (1927): Deep Borings in the Prairie Provinces and Northwest Territories.

 Geol. Surv., Canada, Sum. Rept. 1926, pt. B, pp. 43-52.
- (1928): Deep Borings in the Prairie Provinces and Northwest Territories.

 Geol. Surv., Canada, Sum. Rept. 1927, pt. B, pp. 81-91.
- Jeletzky, J. A.
 - (1950): Actinocamax from the Upper Cretaceous of Manitoba. Geol. Surv., Canda, Bull. No. 15, pp. 1-27.
- Johnston, W. A.
 - (1916): The Genesis of Lake Agassiz: a Confirmation. Jour. Geol., vol. 24, No. 7, pp. 625-638.
 - (1917): Superficial Deposits and Soils of Whitemouth River Area, Southeastern Manitoba.
 - Geol. Surv., Canada, Sum. Rept. 1916, p. 179. (1918a): Reconnaissance Soil Survey of the Area along the Hudson Bay Railway.

Geol. Surv., Canada, Sum. Rept. 1917, pt. D, pp. 25-36.

- (1918b): Semi-Refractory Clay and Pure Quartz Sand of Swan River Valley.

 Geol. Surv., Canada, Sum. Rept. 1917, pt. D, pp. 37-39.
- (1920): Superficial Deposits and Soils of Winnipegosis Area, Manitoba.
- Geol. Surv., Canada, Sum. Rept. 1918, pt. D, p. 11.
 (1921): Winnipegosis and Upper Whitemouth River Areas,
 Manitoba, Pleistocene and Recent Deposits.
 Geol. Surv., Canada, Mem. 128, 42 pp.

- (1931): Deep Boring in the Prairie Provinces.
 Geol. Surv., Canada, Sum. Rept. 1930, pt. B, pp.
 74-97.
- (1932): Deep Boring in the Prairie Provinces.
 Geol. Surv., Canada, Sum. Rept. 1931, pt. B, pp.
 72-78.
- (1933): Deep Boring in the Prairie Provinces.
 Geol. Surv., Canada, Sum. Rept. 1932, pt. B, pp. 99-101.
- (1934a): Deep Boring in the Prairie Provinces.

 Geol. Surv., Canada, Sum. Rept. 1933, pt. B, pp. 169-170.
- (1934b): Surface Deposits and Ground-Water Supply of the Winnipeg Map-area.
 Geol. Surv., Canada, Mem. 174, 110 pp.
- (1941): Data on Lake Agassiz Beaches (abstract).

 Proc. Roy. Soc., Canada, 3rd ser., vol. 35, p. 194.
- (1946): Glacial Lake Agassiz with Special Reference to the Mode of Deformation of the Beaches.
 Geol. Surv., Canada, Bull. No. 7, 20 pp.
- Jones, T. R.

 (1891): On some Ostracoda from the Cambro-Silurian, Silurian and Devonian Rocks.

 Geol. Surv., Canada, Contr. Micropal. of the Cambro-Silurian Rocks of Canada, Part III, pp. 59-99.
- Keele, Joseph.
 - (1911): Clay Resources of the Western Provinces. Geol. Surv., Canada, Sum. Rept. 1910, pp. 181-182.
 - (1912): Report on Progress of Investigation of Clay Resources.

 Geol. Surv., Canada, Sum. Rept. 1911, pp. 234-239.
 See also Ries, Heinrich.
 - (1913): See Ries, Heinrich.
 - (1914): Report on Progress of Investigation of Clay Resources.
 - Geol. Surv., Canada, Sum. Rept. 1913, pp. 288-292. (1915): Clay and Shale Deposits of the Western Provinces (Part V).
 - Geol. Surv., Canada, Mem. 66, 74 pp.

 (1917): Tests of Clay and Shales from Pembina Mountains in Southern Manitoba.

Mines Branch, Canada, Rept. No. 454, pp. 117-118.

(1950): See Allan, J. D.

Kindle, E. M.

(1914): The Silurian and Devonian Section of Western Manitoba.

Geol. Surv., Canada, Sum. Rept. 1912, pp. 247-261.

(1921): Distribution of Stringocephalus burtoni in Canada.

Trans. Roy. Soc., Canada, 3rd ser., vol. 15, sec. 4,

pp. 21-24.

Kirk, S. R. (1930): Cretaceous Stratigraphy of the Manitoba Escarpment. Geol. Surv., Canada, Sum. Rept. 1929, pt. B, pp. 112-135.

Lambe, L. M.

(1899): A Revision of the Genera and Species of Canadian
Palaeozoic Corals. The Madreporaria perforata
and the Alcyonaria.

Geol. Surv., Canada, Contr. Can. Pal., vol. 4, pt. 1,
96 pp.

(1901): A Revision of the Genera and Species of Canadian
Palaeozoic Corals. The Madreporaria aporosa and
the Madreporaria rugosa.

Geol. Surv., Canada, Contr. Can. Pal., vol. 4, pt. 2, 197 pp.

(1902): See Osborn, H. F.

Leith, E. I.
(1941a): Ordovician Heliolitidae from Manitoba (abstract).
Bull. Geol. Soc. Am., vol. 52, pp. 1969-1970.

(19141b): Remarkable Moulds of Hopper-Shaped Halite Crystals from Manitoba.
Univ. of Toronto Studies, Geol. Ser. No. 46, pp. 69-73.

(1942a): Notes on the Cephalopod Lambeoceras lambei from Manitoba.

Jour. Pal., vol. 16, No. 1, pp. 130-132.

(1942b): A Sea Urchin from the Cretaceous in Manitoba. Can. Fd.-Nat., vol. 56, No. 1, p. 4.

(1944): Halysites gracilis from the Ordovician of Manitoba.

Jour. Pal., vol. 18, No. 3, pp. 268-270.

(1949): Fossil Elephants of Manitoba. Can. Fd.-Nat., vol. 63, No. 4, pp. 135-137.

Leverin, H. A.

(1942): Peat Moss Deposits in Western Canada, Preliminary Report, Investigations n 1942.

Mines Branch, Canada, Mem. Ser. No. 82, 8 pp.

(1944): Peat Moss Deposits in Western Canada. Investigation in 1943.

Mines and Geology Branch, Canada, Mem. Ser. No. 86, 16 pp.

(1946): Peat Moss Deposits in Canada.
Mines and Geology Branch, Canada, Rept. No. 817,
102 pp.

Lumsden, H. B.

(1926): Manitoba Limestone from the Tyndall Area.
Trans. Can. Inst. Min. and Met., vol. 29, pp. 300-316.

MacLean, A.

(1913a): Ordovician and Silurian of Stony Mountain and Stonewall, Manitoba.

Geol. Surv., Canada, Guide Book No. 8, pt. 1, pp. 69-77.

(1913b): The Devonian of Snake Island and South Shore of Lake Winnipegosis.

Geol. Surv., Canada, Guide Book No. 8, pt. 3, pp. 363-366.

(1913c): The Devonian of Dawson Bay, Lake Winnipegosis. Geol. Surv., Canada, Guide Book No. 8, pt. 3, pp. 366-370.

(1914): See Wallace, R. C.

(1915): Pembina Mountain, Manitoba.

Geol. Surv., Canada, Sum. Rept. 1914, p. 69.

(1916): Pembina Mountain, Southern Manitoba.

Geol. Surv., Canada, Sum. Rept. 1915, pp. 131-133.

Maddox, D. C.

(1929): Deep Borings in the Prairie Provinces. Geol. Surv., Canada, Sum. Rept. 1928, pt. B, pp. 105-117.

(1930): Deep Borings in the Prairie Provinces.
Geol. Surv., Canada, Sum. Rept. 1929, pt. B. pp.
175-194.

Malcolm, Wyatt.

(1913): Oil and Gas Prospects of the Northwest Provinces of Canada.

Geol. Surv., Canada, Mem. 29, 99 pp.

Maynard, J. E.

(1924): See Wallace, R. C.

(1925): The Clays of the Lake Agassiz Basin.
Trans. Roy. Soc., Canada, 3rd ser., vol. 19, sec. 4,
pp. 103-11h.

McCharles, A.

(1887): The Foot-Steps of Time in the Red River Valley. Trans. Hist. and Sci. Soc. of Manitoba, No. 26, 18 pp.

McGill, A.

(1888): Examination of Some Manitoba Waters.
Can. Rec. Sci., vol. 3, No. 2, pp. 69-70.

McLearn, F. H.

(1915): Notes on the Cores of Winnipeg Wells, Manitoba. Geol. Surv., Canada, Sum. Rept. 1914, p. 72.

(1919): See Dowling, D. B.

(1937): (and Wickenden, R. T. D.). The Structure of Thunder Hill, Saskatchewan and Manitoba (abstract).

Proc. Roy. Soc., Canada, 3rd ser., vol. 31, Appendix B, p. cxliv.

(1943): Some Revisions in the Correlation of the Canadian Lower Cretaceous (abstract).

Proc. Roy. Soc., Canada, 3rd ser., vol. 37, Appendix C, pp. 120-121.

(1945): Revision of the Lower Cretaceous of the Western Interior of Canada, 2nd ed. Geol. Surv., Canada, Paper 44-17, 14 pp.

McMahon, J. F.

(1928): See Cole, L. H.

(1932): Refractory Clays in Canada.
Mines Branch, Canada, Mem. Ser. No. 57, 26 pp.

Miller, A. K.

(1947): (and Youngquist, W. L.). Ordovician Cephalopods from the West-Central Shore of Hudson Bay.

Jour. Pal., vol. 21, No. 5, pp. 409-419.

Nicolls, J. H. H. (1918): See Stansfield, E.

Okulitch, V. J.

(1943): The Stony Mountain Formation of Manitoba.
Trans. Roy. Soc., Canada, 3rd ser., vol. 37, sec. 4,

pp. 59-74.

(1944): A New Dinichthys from the Devonian of Manitoba.

Trans. Roy. Soc., Canada, 3rd ser., vol. 38, sec. 4, pp. 65-69.

Osborn, H. F.

(1902): (and Lambe, L. M.). On Vertebrata of the Mid-Cretaceous of the North West Territory.
Geol. Surv., Canada, Contr. Can. Pal., vol. 3
(Quarto), pt. 2, 81 pp.

Panton, J. H.

(1883a): Gleanings from the Geology of the Red River Valley.
Trans. Hist. and Sci. Soc. of Manitoba, No. 3, 10 pp.

(1883b): Silurian Strata near Winnipeg. Science, vol. 2, pp. 169-170.

(1884): Gleanings from Outcrops of Silurian Strata in the Red River Valley.

Trans. Hist. and Sci. Soc. of Manitoba, No. 15,

13 pp.
(1886): Notes on the Geology of some Islands in Lake Winnipeg.
Trans. Hist. and Sci. Soc. of Manitoba, No. 20,

10 pp.

Parks, W. A.

(1915): Palaeozoic Fossils from a Region Southwest of
Hudson Bay.

Univ. of Toronto Studies Geol Ser No. 9 95 pr

Univ. of Toronto Studies, Geol. Ser. No. 9, 95 pp. Report on the Building and Ornamental Stones of

(1916): Report on the Building and Ornamental Stones of Canada, vol. IV, Provinces of Manitoba, Saskat-chewan, and Alberta.

Mines Branch, Canada, Rept. No. 388, 323 pp.

Penhallow, D. P.

(1890): See Dawson, J. W.

(1892): A New Species of Larix from the Interglacial of Manitoba.

Amer. Geol., vol. 9, No. 6, pp. 368-371.

Pugh, F.
(1935): Manitoba Tapestry Limestone.
Trans. Can. Inst. Min. and Met., vol. 38, pp. 117121.

Ries, Heinrich.
(1912a): Report on Progress of Investigation of Clay Resources.
Geol. Surv., Canada, Sum. Rept. 1911, pp. 225-229.

(1912b): (and Keele, Joseph). Preliminary Report on the Clay and Shale Deposits of the Western Provinces. Geol. Surv., Canada, Mem. 24E, 231 pp.

(1913): (and Keele, Joseph). Report on the Clay and Shale Deposits of the Western Provinces (Part II). Geol. Surv., Canada, Mem. 25, 105 pp.

Rogers, R. A. (1933): See Cole, L. H.

Rust, D.

(1892): Radiolaria from the Pierre of North-Western Manitoba.

Geol. Surv., Canada, Contr. Can. Micropal., Part IV,

pp. 101-110.

Savage, T. E.

(1917): Geology of the Area of the Paleozoic Rocks in the

Vicinity of Hudson and James Bays, Canada (abstract).

Bull. Geol. Soc. Am., vol. 28, p. 171.

(1919): (and Van Tuyl, F. M.). Geology and Stratigraphy of the Area of Paleozoic Rocks in the Vicinity of Hudson and James Bays.
Bull. Geol. Soc. Am., vol. 30, pp. 339-377.

Selwyn, A. R. C.

(1874): Observation in the North-west Territory on a

Journey across the Plains from Fort Garry to

Rocky Mountain House, returning by the Saskatchewan River and Lake Winnipeg.

Geol. Surv., Canada, Rept. of Prog. 1873-74, pp.

17-62.

(1876): Report on Boring Operations for Coal and Water at Rat Creek and the Vicinity of Port Ellice,
Manitoba.

Geol. Surv., Canada, Rept. of Prog. 1874-75, pp. 2-3.

(1881): Report on Boring Operations in the Souris River Valley, Turtle Mountain Bore.

Geol. Surv., Canada, Rept. of Prog. 1879-80, pt. A, pp. 10-11.

(1895): Notes on the Artesian Well at Deloraine, Manitoba. Geol. Surv., Canada, Ann. Rept. 1892, pt. A, pp. 2-3.

Shafer, W. H. (1940): See Ellis, J. H. (1943): See Ellis, J. H.

- Siebert, F. V. (1934): See Hutt, G. M.
- Slipper, S. E. (1919): See Dowling, D. B.
- Spector, I. H.
 (1941): Manganese Deposits in the Riding Mountain Area,
 Manitoba.
 The Precambrian, vol. 14, No. 7, pp. 49-51.
- Spencer, J. W.

 (1876): Report on the Country between the Upper Assiniboine
 River and Lakes Winnipegosis and Manitoba.

 Geol. Surv., Canada, Rept. of Prog. 1874-75, pp. 5770.
- Stansfield, E. (1918): (and Nicolls, J. H. H.). Analysis of Canadian Fuels, Part III: Manitoba and Saskatchewan. Mines Branch, Canada, Rept. No. 481, pp. 6-7.
- Swinnerton, A. A.

 (1946): The Peat Moss Industry in Canada.

 Mines and Geology Branch, Canada, Mem. Ser. No. 90,

 12 pp.
- Tovell, W. M.

 (1948): Geology of the Pembina River Deadhorse Creek Area,
 Manitoba Mines Branch, Prelim. Rept. 47-7, 7 pp.
- Tyrrell, J. B.

 (1888): Notes to Accompany a Preliminary Map of Duck and
 Riding Mountains in North-western Manitoba.

 Geol. Surv., Canada, Ann. Rept. 1887-88, pt. E,

 16 pp.
 - (1889): Gypsum Deposits in Northern Manitoba. Can. Rec. Sci., vol. 3, No. 6, pp. 353-360.
 - (1890a): The Cretaceous of Manitoba.
 Am. Jour. Sci., 3rd ser., vol. 40, pp. 227-232.
 - (1890b): Post-Tertiary Deposits of Manitoba and the adjoining Territories of Northwestern Canada.

 Bull. Geol. Soc. Am., vol. 1, pp. 395-410.
 - (1890c): Foraminifera and Radiolaria from the Cretaceous of Manitoba.

 Trans. Roy. Soc., Canada, vol. 8, sec. 4, pp. 111-115.
 - (1891): Pleistocene of the Winnipeg Basin.
 Amer. Geol., vol. 8, No. 1, pp. 19-28.
 - (1892): Three Deep Wells in Manitoba.

 Trans. Roy. Soc., Canada, vol. 9, sec. 4, pp. 91104.

(1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskat-chewan.

Geol. Surv., Canada, Ann. Rept. 1890-91, pt. E, 235 pp.

(1893b): Deep Well at Deloraine, Manitoba.

Am. Geol., vol. 11, No. 5, pp. 332-342.

(1896): Genesis of Lake Agassiz.

Jour. Geol., vol. 4, No. 7, pp. 811-815.

(1897): Editorial on "Genesis of Lake Agassiz".

Jour. Geol., vol. 5, No. 1, pp. 78-81.

(1898): The Glaciation of North Central Canada. Jour. Geol., vol. 6, No. 2, pp. 147-160.

(1899): Explorations and Surveys - Manitoba. Geol. Surv., Canada, Ann. Rept. 1897, pt. A, pp. 35-37.

(1901): List of Glacial Striae.

Geol. Surv., Canada, Ann. Rept. 1898, pt. G, Appendix I, pp. 86-88.

(1903): Report on the North-eastern Portion of the District of Saskatchewan and adjacent parts of the District of Keewatin.

Geol. Surv., Canada, Ann. Rept. 1900, pt. F, 48 pp. (1914): Artesian Water in Manitoba.

Can. Engineer, vol. 26, No. 4, p. 574.

Ulrich, E. O.

(1889): On some Polyzoa (Bryozoa) and Ostracoda from the
Cambro-Silurian Rocks of Manitoba.

Geol. Surv., Canada, Contr. Micropal. of the CambroSilurian Rocks of Canada, Part II, pp. 27-57.

Upham, Warren.

(1890): Report of Exploration of the Glacial Lake Agassiz in Manitoba.

Geol. Surv., Canada, Ann. Rept. 1888-89, pt. E, 156 pp.

(1896): Glacial Lake Agassiz. U. S. Geol. Surv., Mon. 25, 658 pp.

(1910): Bird's Hill, an Esker near Winnipeg, Manitoba.
Bull. Geol. Soc. Am., vol. 21, pp. 407-432.

Van Tuyl, F. M. (1919): See Savage, T. E.

Walker, T. L.
(1934): Chemawinite or Canadian Amber.
Univ. of Toronto Studies, Geol. Ser. No. 36, pp.
5-10.

Wallace, R. C.

(1913): Pseudobrecciation in Ordovician Limestones in Manitoba.

Jour. Geol., vol. 21, No. 5, pp. 402-421.

(1914a): Gypsum and Anhydrite in Genetic Relationship. Geol. Mag., Decade 6, vol. 1, pp. 271-276.

(1914b): (and MacLean, A.). Gypsum and Salt in Manitoba. Geol. Surv., Canada, Sum. Rept. 1913, pp. 165-169.

(1915): Gypsum and Brines in Manitoba.

Geol. Surv., Canada, Sum. Rept. 1914, pp. 73-80.

(1917): Area between Red River and Eastern Boundary of
Manitoba, and between Winnipeg River and National
Transcontinental Railway, Manitoba.
Geol. Surv., Canada, Sum. Rept. 1916, pp. 175-178.

(1924): (and Maynard, J. E.). The Clays of the Lake Agassiz Basin. Their Colloidal Content.

Trans. Roy. Soc., Canada, 3rd ser., vol. 18, sec. 4, pp. 9-30.

(1925): The Geological Formations of Manitoba (with Bibliography).

Nat. Hist. Soc. of Manitoba, 58 pp.

(1926): (and Baker, W. F. and Ward, G.). The Red River as an Erosive Agent.

Trans. Roy. Soc., Canada, vol. 20, sec. 4, pp. 149-167.

(1927a): The Mineral Resources of Manitoba.
Indust, Dev. Board of Manitoba, 56 pp.

(1927b): (and Greer, Leonard). The Non-metallic Mineral Resources of Manitoba.
Indust. Dev. Board of Manitoba, 93 pp.

Ward, G. (1926): See Wallace, R. C.

Waud, W. B.

(1874): Report of Operations in Manitoba with the Diamondpointed Steam Drill, 1873.

Geol. Surv., Canada, Rept. of Prog. 1873, Appendix
2, pp. 12-16.

Wells, J. W.

(1905a): Preliminary Report on the Limestones and the Lime
Industry of Manitoba.

Mines Branch, Canada, Rept. No. 7, 68 pp.

(1905b): Preliminary Report on the Industrial Value of the Clays and Shales of Manitoba.
Mines Branch, Canada, Rept. No. 8, 41 pp.

Whiteaves, J. F. (1880):On some Silurian and Devonian Fossils from Manitoba and the Valleys of the Nelson and Churchill Rivers, for the most part collected by Dr. R. Bell in the summer of 1879. Geol. Surv., Canada, Rept. of Prog. 1878-79, pt. C, Appendix 1, pp. 45-51. (188la): List of Fossils Collected by Dr. R. Bell in Manitoba during the Season of 1880. Geol. Surv., Canada, Rept. of Prog. 1879-80, pt. C, Appendix 1, pp. 57-58. (1881b): Mollusca. Geol. Surv., Canada, Rept. of Prog. 1879-80, pt. C, Appendix 4, pp. 75-76. (1889a): On some Cretaceous Fossils from British Columbia, the North West Territory and Manitoba. Geol. Surv., Canada, Contr. Can. Pal., vol. 1, pt. 2, pp. 151-196. (1889b): Descriptions of Eight New Species of Fossils from the Cambro-Silurian Rocks of Manitoba. Trans. Roy. Soc., Canada, vol. 7, sec. 4, pp. 75-83. (1890):Descriptions of some New or Previously Unrecorded Species of Fossils from the Devonian Rocks of Manitoba. Trans. Roy. Soc., Canada, vol. 8, sec. 4, pp. 93-110. (1891):The Orthoceratidae of the Trenton Limestone of the Winnipeg Basin. Trans. Roy. Soc., Canada, vol. 9, sec. 4, pp. 77-90. (1892):The Fossils of the Devonian Rocks of the Islands, Shores or Immediate Vicinity of Lakes Manitoba and Winnipegogis. Geol. Surv., Canada, Contr. Can. Pal., vol. 1, pt. 4, pp. 255-359. Notes of the Gasteropoda of the Trenton Limestone (1893):of Manitoba, with a Description of one New Species. Can. Rec. Sci., vol. 5, No. 6, pp. 317-328. (1895): Systematic List, with References, of the Fossils of the Hudson River or Cincinnati Formation at Stony Mountain, Manitoba. Geol. Surv., Canada, Palaeozoic Foss., vol. 3, pt. 2, pp. 111-128. (1896):Descriptions of Eight New Species of Fossils from the (Galena) Trenton Limestones of Lake Winnipeg and the Red River Valley. Can. Rec. Sci., vol. 6, No. 7, pp. 387-397. (1897):The Fossils of the Galena-Trenton and Black River Formations of Lake Winnipeg and its Vicinity. Geol. Surv., Canada, Palaeozoic Foss., vol. 3,

(1902): On the Genus <u>Trimerella</u>, with Descriptions of two Supposed New <u>Species</u> of that Genus from the <u>Silurian Rocks</u> of Keewatin.
Ott. Nat., vol. 16, No. 7, pp. 139-143.

pt. 3, pp. 129-242.

(1904): Description of a New Genus and Species of Rugose Corals from the Silurian Rocks of Manitoba. Ott. Nat., vol. 18, No. 6, pp. 113-114.

(1906): Fossils of the Silurian (Upper Silurian) Rocks of Keewatin, Manitoba, the Northeastern Shore of Lake Winnipegosis, and the Lower Saskatchewan River.

Geol. Surv., Canada, Palaeozoic Foss., vol. 3, pt. 4, pp. 243-298.

Wickenden, R. T. D.

(1931): Variations in Thickness of Cretaceous Formations in Southern Manitoba.

Geol. Surv., Canada, Sum. Rept. 1930, pt. B, pp. 72-73.

(1932): New Species of Foraminifera from the Upper Cretaceous of the Prairie Provinces. Trans. Roy. Soc., Canada, 3rd ser., vol. 26, sec. 4, pp. 85-91.

(1934): Palaeozoic and Jurassic Formations in Well Sections in Manitoba.

Geol. Surv., Canada, Sum. Rept. 1933, pt. B, pp. 158-168.

(1937): See McLearn, F. H.

(1945): Mesozoic Stratigraphy of the Eastern Plains, Manitoba and Saskatchewan. Geol. Surv., Canada, Mem. 239, 87 pp.

(1947): Foraminifera from the Upper Cretaceous Boyne Beds of Manitoba and Related Formations.(abstract) Bull. Geol. Soc. Am., vol. 58, No. 12, p. 1240.

Youngquist, W. L. (1947): See Miller, A. K.

Anonymous.

(1941a): Manitoba, Big Salt Producer.
Industrial Topics, vol. 1, No. 5, pp. 5-7. Industrial Development Board of Manitoba.

(1941b): Manitoba Peat Replaces European.
Industrial Topics, vol. 1, No. 5, pp. 9-11. Industrial Development Board of Manitoba.

(1943): Bentonite Provides a New Industry.
Industrial Topics, vol. 3, No. 4, pp. 22-23. Industrial Development Board of Manitoba.

(1950): Western Canadian Oils, 4th ed., 1950 version.

James Richardson & Sons, Statistical Department,

110 pp.

PART II

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- Dawson, G. M. (1886): On Certain Boring in Manitoba and the Northwest Territory, pp. 85-92.
- Dawson, S. J. (1859): Report on the Exploration of the Country between Lake Superior and the Red River Settlement and between the Latter Place and the Assiniboine and Saskatchewan.
- Dowling, D. B. (1914): Coal Fields of Manitoba, Saskatchewan, Alberta, and Eastern British Columbia, pp. 21-31.
- Dufresne, J. I. (1888): Exploratory Survey of Lake Winnipegosis and of Swan and Red (Overflowing)
 Rivers.
- Hind, H. Y. (1859): A Preliminary and General Report on the Assiniboine and Saskatchewan Exploring Expedition.
- Hume, G. S. (1933): Oil and Gas in Western Canada, pp. 39-65, 254-268.
 - (1947): Geology and Economic Minerals of Canada, pp. 194-204.
- Kerr, L. B. (1949): The Stratigraphy of Manitoba with Referencé to Oil and Natural Gas Possibilities.

- Malcolm, W. (1913): Oil and Gas Prospects of the Northwest Provinces of Canada, pp. 16-55.
- McCharles, A. (1887): The Foot-Steps of Time in the Red River Valley.
- Panton, J. H. (1883a): Gleanings from the Geology of the Red River Valley.
- Selwyn, A. R. C. (1874): Observations in the North-west Territory on a Journey across the Plains from Fort Garry to Rocky Mountain House, returning by the Saskatchewan River and Lake Winnipeg, pp. 17-62.
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 - (1903): Report on the North-eastern Portion of the District of Saskatchewan and adjacent parts of the District of Keewatin, pp. 5-48.
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 (1917): Area between Red River and Eastern Boundary of Manitoba, and between Winnipeg River and National Transcontinental Railway, Manitoba, pp. 175-178.
- (1925): The Geological Formations of Manitoba.
 Wallace, R. C., Baker, W. F. and Ward, G. (1926): The Red River as an Erosive Agent.

Glacial Geology

- Antevs, Ernst.(1930): Last Ice Recession in Northern Manitoba (abstract).
 - (1931): Late-Glacial Correlations and Ice Recession in Manitoba.
- Bell, R. (1880): Report on Explorations on the Churchill and Nelson Rivers and around God's and Island Lakes, 1879, pp. 38-41.
- Bryce, George.(1907): Everyman's Geology of the Three Prairie Provinces of the Canadian West, pp. 41-52.
- Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 183-184.
- Dowling, D. B. (1900): Report on the Geology of the West Shore and Islands of Lake Winnipeg, pp. 93-100.

- Johnston, W. A. (1916): The Genesis of Lake Agassiz: a Confirmation.
 - (1918a): Reconnaissance Soil Survey of the Area along the Hudson Bay Railway, pp. 30-32.
 - (1921): Winnipegosis and Upper Whitemouth River Areas, Manitoba, Pleistocene and Recent Deposits, pp. 9-14, 27-32.
 - (1941): Data on Lake Agassiz Beaches (abstract).
 - (1946): Glacial Lake Agassiz with Special Reference to the Mode of Deformation of the Beaches.
- Maynard, J. E. (1925): The Clays of the Lake Agassiz Basin.

 Tyrrell, J. B. (1888): Notes to Accompany a Preliminary Map of

 Duck and Riding Mountains in North—

 western Manitoba.
 - (1890b): Post-Tertiary Deposits of Manitoba and the adjoining Territories of Northwestern Canada.
 - (1891a): Pleistocene of the Winnipeg Basın. (1893a): Report on Northwestern Manitoba with
 - Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 215-218.
 - (1898): The Glaciation of North Central Canada.
 - (1901): List of Glacial Striae.
 - (1903): Report on the North-eastern Portion of the District of Saskatchewan and adjacent parts of the District of Keewatin, pp. 10-14, 19-21, 27, 29, 46.
- Upham, Warren.(1890): Report of Exploration of the Glacial Lake
 Agassiz in Manitoba.
 - (1896): Glacial Lake Agassiz.
 - (1910): Bird's Hill, an Esker near Winnipeg.
- Wallace, R. C. (1917): Area between Red River and Eastern Boundary of Manitoba, and between Winnipeg River and National Transcontinental Railway, Manitoba, pp. 177-178.
- Wallace, R. C. and Maynard, J. E. (1924): The Clays of the Lake Agassiz Basin. Their Colloidal Content, pp. 9-14.
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Surface Deposits, Soils, and Groundwater Supply

Bell, Robert. (1876): Report on the Country West of Lakes Manitoba and Winnipegosis, with Notes on the Geology of Lake Winnipeg, pp. 47-53.

- (1880): Report on Explorations on the Churchill and Nelson Rivers and around God's and Island Lakes, 1879, pp. 7-12.
- Bryce, George. (1891a): Surface Geology of the Red River and Assiniboine Valleys.
 - (1907): Everyman's Geology of the Three Prairie Provinces of the Canadian West, pp. 53-68.
- Chalmers, R. (1906): Surface Geology of Manitoba, Saskatchewan and Alberta.
- Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 56-57.
- Dowling, D. B. (1900): Report on the Geology of the West Shore and Islands of Lake Winnipeg, pp. 6-8.
- Drummond, A. T. (1888): The Prairies of Manitoba.
- Dufresne, J. I. (1888): Exploratory Survey of Lake Winnipegosis and of Swan and Red (Overflowing)
 Rivers.
- Ellis. J. H. (1938): The Soils of Manitoba.
- Ellis, J. H. and Hobbs, J. A. (1939): Report of the Reconnaissance Soil Survey, Municipality of Armstrong, Manitoba.
- Ellis, J. H. and Shafer, W. H. (1940): Reconnaissance Soil Survey, South-Western Manitoba.
 - (1943): Report of Reconnaissance Soil Survey of South-Central Manitoba.
- Hector, James.(1861): On the Geology of the Country between Lake
 Superior and the Pacific Ocean (between
 the 48th and 54th parallels of latitude)
 visited by the Government Exploring Expedition under Command of Capt. J. Palliser,
 (1857-1860).
- Hoffmann, G. C. (1880): Chemical Contributions to the Geology of Canada Waters of the Assiniboine and Red Rivers.
 - (1886): Chemical Contributions to the Geology of Canada Natural Waters.
 - (1887): Chemical Contributions to the Geology of Canada Natural Waters.
 - (1893): Chemical Contributions to the Geology of Canada Natural Waters.
 - (1895): Chemical Contributions to the Geology of Canada Natural Waters, pp. 76-79.
 - (1896): Report of the Section of Chemistry and Mineralogy Miscellaneous Examinations, Clay.
- Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, pp. 327-329.

Johnston, W. A. (1917): Superficial Deposits and Soils of Whitemouth River Area, Southeastern Manitoba.

(1918a): Reconnaissance Soil Survey of the Area along the Hudson Bay Railway, pp. 32-36.

(1920): Superficial Deposits and Soils of Winnipegosis Area, Manitoba.

(1921): Winnipegosis and Upper Whitemouth River Areas, Manitoba, Pleistocene and Recent Deposits, pp. 14-18, 32-40.

(1934b): Surface Deposits and Ground-Water Supply of the Winnipeg Map-Area.

McGill, A. (1888): Examination of Some Manitoba Waters.

Selwyn, A. R. C. (1874): Observations in the North-west Territory on a Journey across the Plains from Fort Garry to Rocky Mountain House, returning by the Saskatchewan River and Lake Winnipeg, pp. 20-26, 52-53.

(18.76): Report on Boring Operations for Coal and Water at Rat Creek and the Vicinity of Port Ellice, Manitoba.

(1895): Notes on the Artesian Well at Deloraine,
Manitoba.

Spencer, J. W. (1876): Report on the Country between the Upper Assiniboine River and Lakes Winnipegosis and Manitoba, pp. 62-64.

Tyrrell, J. B. (1888): Notes to Accompany a Preliminary Map of Duck and Riding Mountains in North-west-ern Manitoba.

(1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 22-24, 34-143.

(1899): Explorations and Surveys - Manitoba, p. 37.

(1903): Report on the North-eastern Portion of the District of Saskatchewan and adjacent parts of the District of Keewatin, pp. 10-14, 26-27.

(1914): Artesian Water in Manitoba.

Upham, Warren. (1910): Bird's Hill, an Esker near Winnipeg. Wallace, R. C. (1925): The Geological Formations of Manitoba, pp. 33-40.

Cenozoic Geology

Cole, G. E. (1938): The Mineral Resources of Manitoba, p. 72.

Johnston, W. A. (1921): Winnipegosis and Upper Whitemouth River

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Tyrrell, J. B. (1890b): Post-Tertiary Deposits of Manitoba and the adjoining Territories of Northwestern Canada.

(1891a): Pleistocene of the Winnipeg Basin.

Wallace, R. C. (1925): The Geological Formations of Manitoba, pp. 32-38.

Mesozoic Geology

Bell, Robert.(1874): Report on the Country between Red River and the South Saskatchewan, with Notes on the Geology of the Region between Lake Superior and Red River, pp. 83-85.

Bryce, George. (1891a): Surface Geology of the Red River and Assiniboine Valleys.

(1907): Everyman's Geology of the Three Prairie
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Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 70-72. Ells, S. C. (1923): Cretaceous Shales of Manitoba and Saskatche-

Ells, S. C. (1923): Cretaceous Shales of Manitoba and Saskatche wan: Their Economic Value as a Possible Source of Crude Petroleum, pp. 34-39.

Hume, G. S. (1933): Oil and Gas in Western Canada, pp. 39-40, 50-62, 260-265.

(1947): Geology and Economic Minerals of Canada, pp. 198-202.

Kerr, L. B. (1949): The Stratigraphy of Manitoba with Reference to Oil and Natural Gas Possibilities, pp. 16-31.

Kirk, S. R. (1930): Cretaceous Stratigraphy of the Manitoba Escarpment.

MacLean, A. (1915): Pembina Mountain, Manitoba.

(1916): Pembina Mountain, Southern Manitoba.

Malcolm, W. (1913): Oil and Gas Prospects of the Northwest Provinces of Canada, pp. 29-45.

McLearn, F. H. and Wickenden, R. T. D. (1937): The Structure of Thunder Hill, Saskatchewan and Manitoba (abstract).

McLearn, F. H. (1943): Some Revisions in the Correlation of the Canadian Lower Cretaceous (abstract).

(1945): Revision of the Lower Cretaceous of the Western Interior of Canada, 2nd ed.

Spencer, J. W. (1876): Report on the Country between the Upper Assiniboine River and Lakes Winnipegosis and Manitoba, pp. 64-67.

- Tovell, W. M. (1948): Geology of the Pembina River Deadhorse Creek Area.
- Tyrrell, J. B. (1890a): The Cretaceous of Manitoba.
 (1892): Three Deep Wells in Manitoba.
 (1893a): Report on Northwestern Manitoba with
 - (1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 209-218.

(1893b): Deep Well at Deloraine, Manitoba.

Wallace, R. C. (1925): The Geological Formations of Manitoba, pp. 28-32.

Wickenden, R. T. D. (1931): Variations in Thickness of Cretaceous Formations in Southern Manitoba.

(1934): Palaeozoic and Jurassic Formations in Well Sections in Manitoba.

(1945): Mesozoic Stratigraphy of the Eastern Plains, Manitoba and Saskatchewan.

Palaeozoic Geology

Allan, J. D. and Kerr, L. B. (1949a): Manitoba Subsurface Yields
Oil Hope in Madison Lime
Find.

(1949b): Geological Horizons Higher at Second Manitoba Test Well.

(1950): Oil and Gas Exploration in Manitoba.

Baillie, A. D. (1950): Devonian Geology of Lake Manitoba - Lake Winnipegosis Area.

Bell, Robert.(1876): Report on the Country West of Lakes Manitoba and Winnipegosis, with Notes on the Geology of Lake Winnipeg, pp. 37-39.

Birse, D. J. (1928): Dolomitization Processes in the Palaeozoic Horizons of Manitoba.

Bryce, George.(1891a): Surface Geology of the Red River and Assiniboine Valleys.

(1891b): Older Geology of the Red River and Assiniboine Valleys, pp. 2-3.

(1907): Everyman's Geology of the Three Prairie
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Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 68-70. Dowling, D. B. (1900): Report on the Geology of the West Shore and Islands of Lake Winnipeg, pp. 34-93.

Goudge, M. F. (1930): Preliminary Report on the Limestones of
Northern and Western Ontario and of the
Prairie Provinces, pp. 2-8.

- (1945): Limestones of Canada; Their Occurrence and Characteristics, Part V, Western Canada, pp. 9-14.
- Hume, G. S. (1933): Oil and Gas in Western Canada, pp. 40-50, 256-260.
 - (1947): Geology and Economic Minerals of Canada, pp. 195-198.
- Kerr, L. B. (1949): The Stratigraphy of Manitoba with Reference to Oil and Natural Gas Possibilities, pp. 4-16.
- Kindle, E. M. (1914): The Silurian and Devonian Section of Western Manitoba.
- MacLean, A. (1913a): Ordovician and Silurian of Stony Mountain and Stonewall, Manitoba.
 - (1913b): The Devonian of Snake Island and South Shore of Lake Winnipegosis.
 - (1913c): The Devonian of Dawson Bay, Lake Winnipegosis.
- Malcolm, W. (1913): Oil and Gas Prospects of the Northwest Provinces of Canada, pp. 16-25.
 The Foot-Steps of Time in the Red River
- McCharles, A. (1887): Valley, pp. 4-15.
- McLearn, F. H. (1915): Notes on the Cores of Winnipeg Wells, Manitoba.
- Okulitch, V. J. (1943): The Stony Mountain Formation of Manitoba. Gleanings from the Geology of the Red River Panton, J. H. (1883a): Valley, pp. 3-4.
 - (1883b):Silurian Strata near Winnipeg.
 - (1884):Gleanings from Outcrops of Silurian Strata in the Red River Valley.
 - (1886):Notes on the Geology of some Islands in Lake Winnipeg, pp. 3-9.
- Savage, T. E. (1917): Geology of the Area of the Paleozoic Rocks in the Vicinity of Hudson and James Bays. Canada (abstract).
- Savage, T. E. and Van Tuyl, F. M. (1919): Geology and Stratigraphy of the Area of Paleozoic Rocks in the Vicinity of Hudson and James Bays.
- Selwyn, A. R. C. (1874): Observations in the North-west Territory on a Journey across the Plains from Fort Garry to Rocky Mountain House, returning by the Saskatchewan River and Lake Winnipeg, pp. 52-53.
- Spencer, J. W. (1876): Report on the Country between the Upper Assiniboine River and Lakes Winnipegosis and Manitoba, pp. 67-68.

Tyrrell, J. B. (1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 200-209.

(1899): Explorations and Surveys - Manitoba.

(1903): Report on the North-eastern Portion of the District of Saskatchewan and adjacent parts of the District of Keewatin, pp. 14-16, 36-37.

Wallace, R. C. (1913): Pseudobrecciation in Ordovician Limestones in Manitoba.

Wallace, R. C. and MacLean, A. (1914b): Gypsum and Salt in Manitoba, pp. 165-168.

Wallace, R. C. (1915): Gypsum and Brines in Manitoba, pp. 75-78.

(1917): Area between Red River and Eastern Boundary of Manitoba, and between Winnipeg River and National Transcontinental Railway, Manitoba, pp. 176-177.

(1925): The Geological Formations of Manitoba, pp. 15-28.

Wickenden, R. T. D. (1934): Palaeozoic and Jurassic Formations in Well Sections in Manitoba.

Palaeontology

Bell, Robert (1880): Report on Explorations on the Churchill and Nelson Rivers and around God's and Island Lakes, 1879, p.61-62.

Carpenter, F. M. (1937): Insects and Arachnids from Canadian Amber. Dawson, G. M. (1875): Note on the Occurrence of Foraminifera, Coccoliths, etc. in the Cretaceous Rocks of Manitoba.

Dawson, J. W. and Penhallow, D. P. (1890): On the Pleistocene Flora of Canada, pp. 316-317.

Foerste, A. F. and Savage, T. E. (1927): Ordovician and Silurian Cephalopods of the Hudson Bay Area.

Foerste, A. F. (1929): The Cephalopods of the Red River Formation of Southern Manitoba.

Jeletzky, J. A. (1950): Actinocamax from the Upper Cretaceous of Manitoba.

Jones, T. R. (1891): On some Ostracoda from the Cambro-Silurian, Silurian and Devonian Rocks.

Kindle, E. M. (1921): Distribution of <u>Stringocephalus</u> <u>Burtoni</u> in Canada.

Lambe, L. M. (1899): A Revision of the Genera and Species of Canadian Palaeozoic Corals. The Madreporaria perforata and the Alcyonaria.

- (1901): A Revision of the Genera and Species of Canadian Palaeozoic Corals. The Madreporaria aporosa and the Madreporaria rugosa.
- Leith, E. I. (1941a): Ordovician Heliolitidae from Manitoba (abstract).
 - (1942a): Notes on the Cephalopod Lambeoceras lambei from Manitoba.
 - (1942b): A Sea Urchin from the Cretaceous in Manitoba.
 - (1944): Halysites gracilis from the Ordovician of Manitoba.

(1949): Fossil Elephants of Manitoba.

- Miller, A. K. and Youngquist, W. L. (1947): Ordovician Cephalopods from the West-Central Shore of Hudson Bay.
- Okulitch, V. J. (1943): The Stony Mountain Formation of Manitoba.

 (1944): A New Dinichthys from the Devonian of Manitoba.
- Osborn, H. F. and Lambe, L. M. (1902): On Vertebrata of the Mid-Cretaceous of the North West Territory.
- Panton, J. H. (1884): Gleanings from Outcrops of Silurian Strata in the Red River Valley, pp. 4-7, 10-11.
- Parks, W. A. (1915): Palaeozoic Fossils from a Region Southwest of Hudson Bay.
- Penhallow, D. P. (1892): A new Species of Larix from the Interglacial of Manitoba.
- Rust, D. (1892): Radiolaria from the Pierre of North-Western Manitoba.
- Savage, T. E. and Van Tuyl, F. M. (1919): Geology and Stratigraphy of the Area of Paleo-zoic Rocks in the Vicinity of Hudson and James Bays.
- Tyrrell, J. B. (1890c): Foraminifera and Radiolaria from the Cretaceous of Manitoba.
 - (1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 144-218.
 - (1903): Report on the North-eastern Portion of the District of Saskatchewan and adjacent parts of the District of Keewatin, pp. 15-16, 20, 36-37, 43.
- Ulrich, E. O. (1889): On some Polyzoa (Bryozoa) and Ostracoda from the Cambro-Silurian Rocks of Manitoba.
- Whiteaves, J. F. (1880): On some Silurian and Devonian Fossils from Manitoba and the Valleys of the Nelson and Churchill Rivers, for the most part collected by Dr. R. Bell in the summer of 1879.

- (1881a): List of Fossils Collected by Dr. R. Bell in Manitoba during the Season of 1880.
- (1881b): Mollusca.
- (1889a): On some Cretaceous Fossils from British Columbia, the North West Territory and Manitoba.
- (1889b): Descriptions of Eight New Species of Fossils from the Cambro-Silurian Rocks of Manitoba.
- (1890): Descriptions of some New or Previously Unrecorded Species of Fossils from the Devonian Rocks of Manitoba.
- (1891): The Orthoceratidae of the Trenton Limestone of the Winnipeg Basin.
- (1892): The Fossils of the Devonian Rocks of the Islands, Shores or Immediate Vicinity of Lakes Manitoba and Winnipegosis.
- (1893): Notes on the Gasteropoda of the Trenton Limestone of Manitoba, with a Description of one New Species.
- (1895): Systematic List, with References, of the Fossils of the Hudson River or Cincinnati Formation at Stony Mountain, Manitoba.
- (1896): Descriptions of Eight New Species of Fossils from the (Galena) Trenton Limestones of Lake Winnipeg and the Red River Valley.
- (1897): The Fossils of the Galena-Trenton and Black River Formations of Lake Winnipeg and its Vicinity.
- (1902): On the Genus Trimerella, with Descriptions of two Supposed New Species of that Genus from the Silurian Rocks of Keewatin.
- (1904): Description of a New Genus and Species of Rugose Corals from the Silurian Rocks of Manitoba.
- (1906): Fossils of the Silurian (Upper Silurian) Rocks of Keewatin, Manitoba, the Northeastern Shore of Lake Winnipegosis, and the Lower Saskatchewan River.
- Wickenden, R. T. D. (1932): New Species of Foraminifera from the Upper Cretaceous of the Prairie Provinces.
 - (1947): Foraminifera from the Upper Cretaceour Boyne Beds of Manitoba and Related Formations (abstract).

Industrial Minerals and Fuels

General

- Bryce, George.(1891b): Older Geology of the Red River and Assiniboine Valleys, pp. 5-6.
- Cameron, E. L. (1949a): A Review of Industrial Mineral Developments in Manitoba.
 - (1949b): Salt, Potash, and Phosphate in Manitoba.

Cole, G. E. (1938): The Mineral Resources of Manitoba.

Cole, L. H. (1928a): Silica in Canada. Its Occurrence, Exploitation, and Uses, Part II.

Dawson, A. S. (1942): Manganese Occurrences in Manitoba.

Dowling, D. B. (1900): Report on the Geology of the West Shore and Islands of Lake Winnipeg, pp. 10-11.

(1906a): Eastern Assiniboia and Southern Manitoba, pp. 185-192.

Hume, G. S. (1947): Geology and Economic Minerals of Canada, pp. 207, 216-219.

Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba.

Hutt, G. M. (1950): Searching for Industrial Minerals in Manitoba. Johnston, W. A. (1918b): Semi-Refractory Clay and Pure Quartz Sand of Swan River Valley.

Spector, I. H. (1941): Manganese Deposits in the Riding Mountain Area, Manitoba.

Wallace, R. C. (1927): The Mineral Resources of Manitoba.

Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba.

Amber

Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 171-172.

Harrington, B. J. (1891): On the So-called Amber of Cedar Lake, North Saskatchewan, Canada.

Ingall, E. D. (1891): Division of Mineral Statistics and Mines - Fossil Resin ("Amber"), pp. 14-15.

Tyrrell, J. B. (1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 225-228.

Walker, T. L. (1934): Chemawinite or Canadian Amber.
Wallace, R. C. (1927): The Mineral Resources of Manitoba, pp. 1112.

Bentonite

Cameron, E. L. (1947a): Bentonite in the Miami-Deerwood Area, Manitoba.

(1947b): A New Bentonite Deposit South of Thornhill, Manitoba.

(1949a): A Review of Industrial Mineral Developments in Manitoba, pp. 9-10.

Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 172-173.

Gallay, W. (1938): Canadian Bentonites, pp. 9-10.

Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba, pp. 77-78.

Anonymous. (1943): Bentonite Provides a New Industry.

Building Stones and Lime

Cameron, E. L. (1949a): A Review of Industrial Mineral Developments in Manitoba, pp. 10-12.

Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 184-187.

Goudge, M. F. (1930): Preliminary Report on the Limestones of
Northern and Western Ontario and of the
Prairie Provinces, pp. 2-8.

(1933): Canadian Limestones for Building Purposes, pp. 96-124.

(1944): Limestones of Canada; Their Occurrence and Characteristics, Part V, Western Canada, pp. 1-85.

Hoffmann, G. C. (1885): Chemical Contributions to the Geology of Canada - Building Stones.

Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, pp. 317-326.

Lumsden, H. B. (1926): Manitoba Limestone from the Tyndall Area.
Parks, W. A. (1916): Report on the Building and Ornamental Stones of Canada, vol. IV, Provinces of Manitoba, Saskatchewan, and Alberta, pp. 36-110, 120-141, 149, 152-155, 173-180, 253-258, 269-273.

Pugh, F. (1935): Manitoba Tapestry Limestone.
Wallace, R. C. (1927): The Mineral Resources of Manitoba.

Wallace, R. C. (1927): The Mineral Resources of Manitoba, pp. 12-14, 23-24, 28-29.

Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba, pp. 9-63.

Wells, J. W. (1905a): Preliminary Report on the Limestones and the Lime Industry of Manitoba.

Clays and Shales

Cameron, E. L. (1949a): A Review of Industrial Mineral Developments in Manitoba, pp. 10-11.

Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 174-175.

Cole, L. H. and McMahon, J. F. (1928): Kaolin and Associated Clays of Punk Island.

- Dowling, D. B. (1906a): Eastern Assiniboia and Southern Manitoba, pp. 185-188.
- Ells, S. C. (1923): Cretaceous Shales of Manitoba and Saskatchewan: Their Economic Value as a Possible Source of Crude Petroleum.
- Harrington, B. J. (1873): Notes on Samples of Brick Clay from Fort Garry.
- Hoffmann, G. C. (1883a): Chemical Contributions to the Geology of Canada Indurated Clay.
 - (1895): Chemical Contributions to the Geology of Canada Rocks, p. 33.
 - (1898): Report of the Section of Chemistry and Mineralogy Miscellaneous Examinations. Clay.
- Hutt, G. M. (1932a): Clays and Clay Products Industry in Western Canada.
 - (1932b): Clays and Shales in Manitoba.
- Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, pp. 326-327.
- Johnston, W. A. (1918b): Semi-Refractory Clay and Pure Quartz Sand of Swan River Valley.
- Keele, J. (1911): Clay Resources of the Western Provinces.
 - (1912): Report on Progress of Investigation of Clay Resources.
 - (1914): Report on Progress of Investigation of Clay
 Resources.
 - (1915): Clay and Shale Deposits of the Western Provinces (Part V), pp. 1-8.
 - (1917): Tests of Clay and Shales from Pembina Mountains in Southern Manitoba.
- Maynard, J. E. (1925): The Clays of the Lake Agassiz Basin. McMahon, J. F. (1932): Refractory Clays in Canada, pp. 13-15.
- Ries, H. (1912): Report on Progress of Investigation of Clay Resources.
- Ries, H. and Keele, J. (1912): Preliminary Report on the Clay and Shale Deposits of the Western Provinces, pp. 18-31, 45-56.
- Ries, H. and Keele, J. (1913): Report on the Clay and Shale Deposits of the Western Provinces (Part II), pp. 19-25.
- Wallace, R. C. and Maynard, J. E. (1924): The Clays of the Lake
 Agassiz Basin. Their
 Colloidal Content.
- Wallace, R. C. (1927): The Mineral Resources of Manitoba, pp. 18-19.
- Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba, pp. 24-31.

Wells, J. W. (1905): Preliminary Report on the Industrial Value of the Clays and Shales of Manitoba.

Coal and Peat

Anrep, A. (1912a): Investigation of the Peat Bogs and Peat Industry of Canada, 1910-11,pp. 18-25, 28-33.

(1912b): Investigation of Peat Bogs, 1911.

Cameron, E. L. (1948): Peat Moss in Manitoba.

(1949a): A Review of Industrial Mineral Developments in Manitoba, pp. 11-12.

Chalmers, R. (1904): Bulletin on Peat, (Peat in Canada).

Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 175-176, 180-181.

Dawson, G. M. (1881): On the Lignite Tertiary Formation from the Souris River to the 108th Meridian.

Dowling, D. B. (1906a): Eastern Assiniboia and Southern Manitoba, pp. 182-183.

(1906b): Notes to Accompany a Contoured Plan of the Lower Slope of Turtle Mountain.

(1914): Coal Fields of Manitoba, Saskatchewan, Alberta, and Eastern British Columbia, pp. 1, 7, 11, 60.

(1915): Coal Fields and Coal Resources of Canada.

Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, pp. 331-332.

Ingall, E. D. (1891): Division of Mineral Statistics and Mines, pp. 43-44.

Johnston, W. A. (1934b): Surface Deposits and Ground-Water Supply of the Winnipeg Map-Area, pp. 97-98, 102-103.

Leverin, H. A. (1942): Peat Moss Deposits in Western Canada. Investigations in 1942, pp. 5-7.

(1944): Peat Moss Deposits in Western Canada. Investigations in 1943, pp. 5-10.

(1946): Peat Moss Deposits in Canada, pp. 78-84.

Stansfield, E. and Nicolls, J. H. H. (1918): Analysis of Canadian Fuels, Part III: Manitoba and Saskat-chewan, pp. 6-7.

Swinnerton, A. A. (1946): The Peat Moss Industry in Canada. pp. 8-9.

Wallace, R. C. (1927): The Mineral Resources of Manitoba, pp. 19-20, 39.

Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba, pp. 63-66, 75-77.

Anonymous. (1941b): Manitoba Peat Replaces European.

Gypsum and Anhydrite

- Brownell, G. M. (1931): The Amaranth Gypsum Deposit.
 (1942): Quartz Concretions in Gypsum and Anhydrite.
- Cameron, E. L. (1949a): A Review of Industrial Mineral Developments in Manitoba, p. 11.
- Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 176-178.
- Cole, L. H. (1913): Gypsum in Canada. Its Occurrence, Exploitation, and Technology, pp. 27, 77-90.

 (1930a): The Gypsum Industry of Canada, pp. 47-52.

 (1930c): The Story of Gypsum in Canada, pp. 1217-1219.
- Cole, L. H. and Rogers, R. A. (1933): Anhydrite in Canada. Occurrence, Properties, and Utilization, pp. 20-25.
- DeWet, J. P. (1934): The Story of Gypsum in Manitoba.
- Dowling, P. B. (1906a): Eastern Assiniboia and Southern Manitoba, pp. 188-191.
- Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, p. 327.
- Ingall, E. D. (1891): Division of Mineral Statistics and Mines Gypsum, pp. 77-78.
 - (1905): Section of Mines Gypsum.
- Kindle, E. M. (1914): Silurian and Devonian Section of Western Manitoba, pp. 258-260.
- Tyrrell, J. B. (1889): Gypsum Deposits in Northern Manitoba.
- Wallace, R. C. (1914): Gypsum and Anhydrite in Genetic Relationship.
- Wallace, R. C. and MacLean, A. (1914): Gypsum and Salt in Manitoba.
- Wallace, R. C. (1915): Gypsum and Brines in Manitoba, pp. 78-79.

 (1927): The Mineral Resources of Manitoba,

29-31.

Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba, pp. 38-43.

Petroleum and Natural Gas (and Deep Drilling Operations)

- Allan, J. D. and Kerr, L. B. (1949a): Manitoba Subsurface Yields
 Oil Hope in Madison Lime Find.
 (1949b): Geological Horizons Higher
 at Second Manitoba Test Well.
 (1950): Oil and Gas Exploration in
 Manitoba.
- Clapp, F. G. (1915): Petroleum and Natural Gas Resources of Canada, pp. 239-241.

- Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 178-180.
 - (1947): Oil Possibilities in Manitoba.
- Dawson, G. M. (1886): On Certain Borings in Manitoba and the Northwest Territory, pp. 85-92.
- Dowling, D. B., Slipper, S. E. and McLearn, F. H. (1919): Investigations in the Gas and Oil Fields of Alberta, Saskatchewan, and Manitoba, pp. 1-9, 34-38.
- Dowling, D. B. (1920): Oil Possibilities and Developments in the Great Plains, pp. 23-24.
- Ells, S. C. (1923): Cretaceous Shales of Manitoba and Saskatchewan: Their Economic Value as a Possible Source of Crude-Petroleum.
- Hume, G. S. (1933): Oil and Gas in Western Canada, pp. 284-289. Hume, G. S. and Ignatieff, A. (1950): Natural Gas Reserves of Prairie Provinces, pp. 396-399.
- Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, p. 332.
- Ingall, E. D. (1926): Deep Boring in the Prairie Provinces and Northwest Territories, p. 34.
 - (1927): Deep Boring in the Prairie Provinces and Northwest Territories, pp. 43, 46.
 - (1928): Deep Boring in the Prairie Provinces and Northwest Territories, p. 87.
- Johnston, W. A. (1931): Deep Boring in the Prairie Provinces, pp. 77, 92.
 - (1932): Deep Boring in the Prairie Provinces, pp. 72, 77.
 - (1933): Deep Boring in the Prairie Provinces, pp. 90-94.
 - (1934a): Deep Boring in the Prairie Provinces, p. 170.
- Kerr, L. B. (1949): The Stratigraphy of Manitoba with Reference to Oil and Natural Gas Possibilities, pp. 36-131.
- MacLean, A. (1915): Pembina Mountain, Manitoba.
- Maddox, D. C. (1929): Deep Borings in the Prairie Provinces, pp. 113-114.
 - (1930): Deep Borings in the Prairie Provinces, pp. 177-180, 192.
- Malcolm, W. (1913): Oil and Gas Prospects of the Northwest Provinces of Canada, pp. 66-67, 75, 84-85, 87, 90.
- McLearn, F. H. (1915): Notes on the Cores of Winnipeg Wells, Manitoba.
- Selwyn, A. R. C. (1874): Observations in the North-west Territory on a Journey across the Plains from Fort Garry to Rocky Mountain House, returning by the Saskatchewan River and Lake Winnipeg, pp. 3-4.

- (1876): Report on Boring Operations for Coal and Water at Rat Creek and the Vicinity of Port Ellice,
 Manitoba, pp. 2-3.
- (1881): Report on Boring Operations in the Souris River Valley, Turtle Mountain Bore.
- Tyrrell, J. B. (1892): Three Deep Wells in Manitoba.

 (1893a): Report on Northwestern Manitoba with

 Portions of the adjacent Districts of

 Assiniboia and Saskatchewan, pp. 86-89.

(1893b): Deep Well at Deloraine, Manitoba.

- Wallace, R. C. (1927): The Mineral Resources of Manitoba, pp. 38-39.
- Wallace, R. C. and Greer, L. (1927): The Non-metallic Mineral Resources of Manitoba, pp. 66-75.
- Waud, W. B. (1874): Report of Operations in Manitoba with the Diamond-pointed Steam Drill, 1873.
- Wickenden, R. T. D. (1945): Mesozoic Stratigraphy of the Eastern Plains, Manitoba and Saskatchewan, pp. 57-59, 64-73.
- Anonymous. (1950): Western Canadian Oils, 4th ed., 1950 version, pp. 8-9, 56, 106.

Salt

- Cameron, E. L. (1949a): A Review of Industrial Mineral Developments in Manitoba, p. 12.
 - (1949b): Salt, Potash and Phosphate in Manitoba, pp. 1-10.
- Cole, G. E. (1938): The Mineral Resources of Manitoba, pp. 181-183.
- Cole, L. H. (1914): Saline Springs of Manitoba. (1915): Report on the Salt Deposits of Canada and the Salt Industry, pp. 49-82.

(1930b): The Salt Industry of Canada, pp. 47-55.

- Hume, G. S. (1947): Geology and Economic Minerals of Canada, pp. 216-217.
- Hutt, G. M. and Siebert, F. V. (1934): Industrial and Fuel Minerals of Manitoba, p. 331.
- Leith, E. I. (1941b): Remarkable Moulds of Hopper-Shaped Halite Crystals from Manitoba.
- Tyrrell, J. B. (1893a): Report on Northwestern Manitoba with Portions of the adjacent Districts of Assiniboia and Saskatchewan, pp. 219-225.
- Wallace, R. C. and MacLean, A. (1914): Gypsum and Salt in Manitoba.
- Wallace, R. C. (1915): Gypsum and Brines in Manitoba, pp. 73, 80. (1917): Corrosive Action of Certain Brines in Manitoba.
 - (1927): The Mineral Resources of Manitoba, pp. 40-42.

Wallace, R. C. and Greer, L. (1927b): The Non-metallic Mineral Resources of Manitoba, pp. 89-93. Anonymous. (1941a): Manitoba, Big Salt Producer.