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OF THE
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NATURAL HISTORY SURVEY
OF CANADA.

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WILLIAM FOSTER BROWN & CO.
1889.
SUPPLEMENTARY LIST OF PUBLICATIONS ISSUED BY THE GEOLOGICAL SURVEY DEPARTMENT, OTTAWA, CANADA, SINCE THE LIST OF 1889 WAS PRINTED.


Contains the following Reports with Maps and Illustrations. Each Report is published separately:

(A) SELWYN—Summary Report of the Director for the year 1888-89. Price, 10c.

(B) DAWSON—Report on a portion of the West Kootanie District, British Columbia. With Map.—1. Price, 25c.


(R) HOFFMANN—Chemical Contributions to the Geology of Canada. Price, 25c.


MAPS.

1. Reconnaissance Map of a portion of the West Kootanie District. Part B. Scale 8 miles to 1 inch. Price, 10c.

2. Index Map of Routes of the Yukon Expedition. Part D. Scale 48 miles to 1 inch. Price, 10c.

Nine sheets showing Routes of the Yukon Expedition. Part D. Scale 8 miles to 1 inch. Price, 10c. each.

3. (1) Fort Chippewayan to Fort Resolution.
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5. (3) Fort Providence to Fort Simpson.
6. (4) Liard River.
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8. (6) Fort Norman.
9. (7) Fort Good Hope.
10. (8) Porcupine River.
11. (9) Yukon River.
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Annual Report (new series) Vol. VI -

(A) Summary Report of the Director for 1892 - 10c.

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GEOLOGICAL

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NATURAL HISTORY SURVEY

OF CANADA.

DIRECTOR:

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Report from time to time, in such manner and form as the Minister directs, their proceedings under this Act, and furnish proper maps, diagrams, drawings and collections of specimens to illustrate the same. 40 V., c. 9, s. 3.

5. The Director of the Geological Survey shall, as soon as may be after the close of each calendar year, make a full report to the Minister, of the proceedings and work of the Survey for the year, and the results thereof, in such manner and form, and with such details, maps, diagrams and drawings as are requisite to elucidate the same; and the Minister shall cause the same to be laid before Parliament, with such remarks, explanations and recommendations as he thinks proper. 40 V., c. 9, s. 4.

6. The museum shall be open to the public from ten o'clock in the forenoon until four o'clock in the afternoon daily, Sundays excepted, and shall be furnished with such books, instruments and apparatus as are necessary for scientific reference, and for the prosecution of the survey; and the Governor in Council may, from time to time, cause the enlargement of the museum, and the distribution of duplicate specimens to scientific, literary and educational institutions in Canada and other countries. 40 V., c. 9, s. 9.

7. The Director of the Geological Survey shall, for the purpose of obtaining an accurate basis from which the geological and topographical features of the country may be ascertained, and for the purpose of connecting together local and partial surveys, cause such topographical, geographical or other measurements or observations to be made, and such monuments or marks to be placed, as are deemed necessary. 40 V., c. 9, s. 9.

8. All railway and canal companies over which the Parliament of Canada has jurisdiction, shall, if incorporated after the twenty-second day of May, one thousand eight hundred and sixty-eight, furnish to the Geological Survey, without charge, certified copies of all plans and sections of their surveys; and all such companies theretofore incorporated, shall furnish such plans and sections upon the demand of the Director of the Geological Survey, and at the cost of the Department. 40 V., c. 9, s. 10.
THE PUBLICATIONS
OF THE
GEOLOGICAL & NATURAL HISTORY SURVEY OF CANADA.

REPORTS OF PROGRESS.


This volume contains the first of the regular Reports of Progress published after the appointment of Logan as Provincial Geologist. It is premised by "Remarks on the mode of making a Geological Survey of Canada," and by a short "Preliminary Report" containing general observations on the Geology of Canada and the adjacent States. The Reports proper are by Logan and Alexander Murray, then Assistant Provincial Geologist, and relate chiefly to the geology of portions of Western Canada. Logan's celebrated section of the Coal Measures at the Joggins on the Bay of Fundy is included as an Appendix, and occupies 59 pages.


Reports by Logan and Murray on the Geology of portions of the Gaspé Peninsula, with an Appendix including a section of the Coal Measures on the Baie Chaleur, New Brunswick, and a number of other sections.


Contains a Report by Logan on the Geology of the Ottawa and some of its Tributaries, and one by Murray on the Gaspé Peninsula. An Appendix by T. S. Hunt gives a list of mineral springs occurring near the Ottawa, and its tributaries, and analyses of a few ores, &c.


Contains the following Reports by Logan and Murray:—
Logan—On the Geology and Economic Minerals of Lake Superior.
Murray—On the Geology of the Kaministiquia and Michipicoten Rivers.
APPENDIX—Containing Statistics of Copper-mining and Copper-smelting in Great Britain.


Contains Reports by Logan, Murray and Hunt.

LOGAN—On the Geology of portions of Lower Canada, more particularly of the Eastern Townships.

MURRAY—On the North Coast of Lake Huron.

HUNT—On Various Minerals and Mineral Waters.


Contains the following Reports:

MURRAY—On the Geology of parts of the Coast of Lake Huron, the Spanish River, &c.

HUNT—On Mineral Springs, Ores, &c.


Contains the following Reports:

LOGAN—On the Geology of parts of Lower Canada, both North and South of the St. Lawrence.

HUNT—On Soils, Peat, Asphaltum, Mineral Springs, &c.

APPENDIX—Catalogue of some of the Economic Minerals and Deposits of Canada.


Contains the following:

LOGAN—On the Gold of the Chaudière Region.

MURRAY—On the Geology of the Western Peninsula.

HUNT—On Various Minerals and Mineral Waters.


Contains the following:

LOGAN—On the Geology of the counties of Beauce and the Lake of Two Mountains; on various Economic Minerals, and on the Industrial Exhibition of 1851 (London). A catalogue is given of the Canadian Minerals shown at this Exhibition.

MURRAY—On the Geology of the Region between the Ottawa, the St. Lawrence and the Rideau.

HUNT—On the Examination of a number of Minerals, Soils, Mineral Waters, &c.


French copy signed.
The publications.

Contains the following:-

Logan—On the Geology of the North Shore of the St. Lawrence, between Montreal and Cape Torment, and on Miscellaneous Economic Minerals.

Murray—On the Geology of the Region between Kingston and Lake Simcoe.


Contains the following Reports:-

Logan—On the Laurentian Rocks of Grenville, Chatham, St. Jerome, &c., and the Economic Minerals found in them.

Murray—Reports for 1853-56 inclusive, on the Topographical and Geological Features of the Region between Ottawa River and Georgian Bay, as well as North of Lake Huron.


Billings—Report for 1856 on Fossils from Anticosti, and on New Fossils from the Silurian of Canada.

Hunt—Reports for the years 1853-56 inclusive, containing numerous Analyses of Minerals, Rocks, and Mineral Waters, and observations (Report for 1855) on the Metallurgy of Iron, the Manufacture of Salts from Sea-water, &c.

The volume contains a Map illustrating the distribution of the crystalline limestones in the Grenville Region; a reduced map of Mr. Murray's Explorations, and a Map of Anticosti. The Atlas contains twenty-two folio maps of various Lakes and Rivers between Lake Huron and the River Ottawa. Published Toronto, 1857. Large 4to, half bound. Price, $2.20.

The Maps are on a scale of 1 inch to a mile and lithographed on sheets of twenty-two by thirty-three inches. The various sheets may be had separately at 10 cts. each. They are as follows:—

A.—Maps showing Explorations on the North Shore of Lake Huron and thence eastward to the Ottawa.

1. Spanish River.†

2. Spanish River, and its tributary White-Fish River and White-Fish Lake, White-Fish River with Lakes Panache and Lavase, and Round Lake.

3. Mouth of the White Fish River, and Coast of Lake Huron.

4. Wahnapiatapling Lake and Wahnapiatap River, with Maskinongé Lakes and River.

5. Wahnapiatap River.

* Unless both are given, the number of pages always refers to the English edition.
† Reports and Maps marked thus (*) can be procured separately at the prices attached.
GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA.

6. **Wahnapita River, with Channels and Mouths of French River**

7. **Sturgeon River.**

8. **Sturgeon River and West end of Lake Nipissing.**

9. **French River.**

10. **East end of Lake Nipissing and Nahmanitigong River, with part of Mattawa River.**

**B.**—**Mattawa River and part of Ottawa River.**

11. **Maps showing Explorations between the East Shore of Lake Huron and the Ottawa River.**

12 and 13. **Meganatawana River, with a number of Lakes.**

14 to 18 inclusive. **Muskoka and Petawaweh Rivers, and numerous Lakes.**

**C.**—**Maps of Bonne-chère, Madawaska and Shawashkong Rivers and sources of the Ottonabee.**

19. **Bonne-chère River, with Mud Lake and Clear Lake.**

20. **Bonne-chère River with Golden and Round Lakes, and Little Madawaska River, Lake Kamaniakaik, and Madawaska River, and South-west Branch or Shawashkong River.**

21. **Shawashkong River, with Kajick Manitou and Papineau Lakes.**

22. **Drag Lake, Kah-shah-gah-wigamog Lake, Gull River, Gull Lake and Balsam Lake.**

Map showing the distribution of Crystalline Limestones of the Laurentian Series in various townships between Grenville and Rawdon. Scale 3 miles to 1 inch.

Two Index Maps of Atlas (see p. 16) showing Exploration between Lake Huron and the Ottawa. Scale 10 miles to 1 inch.

*Map of the Island of Anticosti.* Scale 9 miles to 1 inch. Price, 10c.


Contains the following Reports with maps and illustrations:—

**LOGAN**—Remarks relating chiefly to the succeeding Reports.

**MURRAY**—On the Coast at the mouth of French River, Georgian Bay; on Echo Lake and its environs, and on the Limestone of Bruce Mines.

**RICHARDSON**—On part of the Gaspé Peninsula from Magdalen River to Gaspé Bay, and on Lake St. John.

**BELL**—On the Fauna of portions of the Lower St. Lawrence, the Saguenay, Lake St. John, &c.

**HALL**—Descriptions of Canadian Graptolites.

**BILLINGS**—On the Black River Limestone and the Limestone of Galt. Also descriptions of various Fossils.

**HUNT**—On Dolomites, Limestones, Fish Manures, &c.

**ASHE (Lieut. E. D.)**—On the Longitude of some of the principal places in Canada, as determined by Electric Telegraph in the years 1856-57.
Report of Progress for 1858. Published in English and French, Montreal, 1859. pp. 263.

Contains the following Reports with maps and illustrations:

LOGAN—On the Distribution of the Laurentian Limestones, and of the Drift, in the Grenville Region. Also on the Ramsay Lead Mine, the Acton Copper Mine, and Miscellaneous Economic Minerals.

MURRAY—On the country between the Thessalon River and Lake Huron, and between the Thessalon and the Mississagi.

RICHARDSON—On the Geology of a portion of the Gaspé Peninsula, including an examination of the Coast from Marsouin River to Rivière du Loup.

HUNT—On Intrusive Rocks, Minerals from Silurian Rocks, and on the History of Magnesian Limestones.

An appendix to this volume includes the following:

Levels of the River Rouge, &c.
Localities of Copper Ores in the Silurian Rocks of Lower Canada.
Localities of Copper Ores in the Huronian Rocks, Mississagi River.
Catalogue of Animals collected by Mr. D’Urban in the counties of Argenteuil and Ottawa.

Catalogue of Animals and Plants collected by Mr. R. Bell on the South-east side of the St. Lawrence, from Quebec to Gaspé.

Geology of Canada, 1863; Report of the Geological Survey from its commencement to 1863. Illustrated by 498 wood cuts in the text. Published in 1863; in English and in French. Large 8vo. pp. 983. This volume includes the more important facts published in all the preceding Reports. Out of print.

"The style in which this work has been got up, the precision of the drawing, and the accuracy of the woodcuts, may almost challenge comparison with the execution of similar productions on this side of the Atlantic. There has been a steady persistence in the conduct of this remarkable survey, honourable alike to the successive Governments that have encouraged it, and to the officers who have carried out the work. No other Colonial Survey has ever yet assumed the same truly national character; and the day may come—if ever the "Imperial Colony" shall claim and obtain independence—when the scientific public of a great nation, looking back upon the earlier dawns of science in their land, shall regard the name of Logan, native born, with the same affectionate interest with which English Geologists now regard the names of our great geological map makers, William Smith and De la Beche."—London Saturday Review.

This large octavo, of 983 pages, illustrated with 498 wood cuts, and to be accompanied by an atlas of maps and sections, presents a condensed view of the work of the Canadian Survey from its commencement in 1863. It gives the results of the combined labours of Sir W. E. Logan, Mr. Murray, Dr. Hunt and Mr. Billings, a staff not to be surpassed either in ability or energy, and aided also by several able assistants, of whom Mr. Richardson and Mr. Bell stand first. The value of the work to Canada can scarcely be over-estimated. It must be regarded as of vast importance, whether we consider readers abroad or at home, whether we consider scientific objects purely, or those which are practical. Its mechanical execution is an evidence of the progress of the arts among us. Its publication to the world is a proof of the interest taken in science in this country, and of the enlightened patronage afforded by the Government to such investigations, and, at the same time, of the immense value of our mineral resources, as well as of the extent to which they have already been made available. It gives, for the first time, to geologists abroad
the means of making themselves thoroughly acquainted with the geology of this country; and it thus places Canada on a level with those older countries whose structure has been explored, and the knowledge of it made the common property of the world.”—Canadian Naturalist.


This Atlas contains the following Maps and Sections:


*Coloured Maps showing the distribution of the Laurentian Rocks in parts of the counties of Ottawa, Terrebonne, Argenteuil and Two Mountains. Scale 7 miles to 1 inch. Price, 10c.

*Coloured Map showing the distribution of the Huronian Rocks between Rivers Bachehwahnung and Mississagui—the typical Huronian Region of Mr. Murray. Scale 8 miles to 1 inch. Price, 10c.

*Coloured Map showing the distribution of Rocks belonging to the Potsdam, Quebec and Trenton Groups on the East side of Lake Champlain. Scale 2 miles to 1 inch. Price, 10c.

Five uncoloured sections of these Groups.

Uncoloured Map showing the distribution of Limestone Conglomerates in the Quebec Group at Point Levis.

Uncoloured section of these Rocks.

*Map (partly coloured) showing the distribution of various Superficial Deposits between Lake Superior and Gaspé. Price 10c.

*Four plates of coloured Geological Sections illustrating the Geology of Canada. Price, 10c.


Contains the following Reports with maps and illustrations:


RICHARDSON—On the Geology of the Quebec Group in the Eastern Townships.


MACFARLANE—On the Geology and Economic Minerals of portions of the county of Hastings.

BEL—On the Geology of the Grand Manitoulin Island.

HUNT—On the Geology and Mineralogy of the Laurentian Limestones; on Petroleum and Salt; on the porosity of Rocks; and on Peat and its applications.

APPENDIX—List of Copper localities in Eastern Canada.
Geological Map of Canada and the adjacent regions, including the other British Provinces, and parts of the United States. By Sir W. E. Logan, F.R.S., &c. Published 1866. Scale 25 miles to 1 inch.

Price, in sheets ........... ........ . ........ $ 1 8 00

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The Geology of Canada (Quebec and Ontario) is derived from the results of the Canadian Geological Survey; that of the other Provinces from the labors of Dr. J. W. Dawson, Prof. Robb, Jukes, and others; while that of the United States is compiled under the authority of Professor James Hall, from various sources mentioned in the Atlas accompanying the "Geology of Canada."

This beautifully executed Map will at once recommend itself to all lovers of geological science in America. It consists of eight sheets, each 24 x 20 inches, and, when mounted on rollers, measures 8 ft. by 3 ft. 7 in. It is engraved on steel, in the best style, and is colored by hand in 33 colors, showing the different formations. The territory mapped extends from Labrador on the east, to the Red River on the west, and from Hudson's Bay on the north, to northern Virginia on the south. Besides the Geology of the British Provinces (the main object of the Map), the Geology of the Northern United States is fully shown; and it is as completely a Geological Map for the states of New York, Pennsylvania, Ohio, Indiana, Illinois, New Jersey, Vermont, Michigan, Missouri, Iowa, Wisconsin and Minnesota, as it is for Canada. The Coal Regions are shown with precision from Cape Breton to Missouri.

"We have at length the pleasure of announcing the appearance of this important and long-looked for contribution to American geology. The legend of the Map informs us that the geological details for Canada, comprising the former Provinces of Upper and Lower Canada (now Ontario and Quebec) are furnished by the Geological Survey under the direction of Sir William E. Logan. He has himself compiled the geology of the various states of the Union, under the supervision of Prof. Hall, from various sources which are mentioned in detail in the preface to the Atlas of the Geology of Canada (published in 1865), where he tells us that this portion of the work was done "with the approval of Prof. James Hall, who has freely placed all his materials at the disposal of the compiler, and aided by his intimate personal knowledge of the geology of a greater part of the region represented. For the geology of the Provinces of New Brunswick, Nova Scotia and Newfoundland, also, the most authentic printed and manuscript maps were consulted, as described in the Atlas just referred to."—Silliman's Journal.


Report of Progress from 1866 to 1869. Published in English and French, Montreal, 1870. Large 8vo, pp. 475. Out of print.

Contains the following Reports with maps and illustrations:—

*Logan and Hartley—Reports on part of the Picton Coal Field. With a coloured Geological Map.

Price, with an Appendix on Coal and Iron Ores, $1.00.

Bell—On the Geology of the Manitoulin Island Group.

Richardson—On the Region South of the St. Lawrence, between the Chaudière River and the Temiscouata Road. With a coloured Geological Map.

ROBB—On the Geology of a part of New Brunswick. With a Sketch-Map.

*HUNT—On the Goderich Salt Region. Out of print.

*RICHARDSON—On the North Shore of the Lower St. Lawrence.

*BELL—On the Geology of the North-West Coast of Lake Superior and the Nipigon District. With a topographical Sketch-Map. Price, 75c.

*HARTLEY—On the Coals and Iron Ores of Pictou county, Nova Scotia; being an Appendix to Reports on the Pictou Coal Field. (Vid ante.) Out of print.

HARTLEY—Notes on coal from Springhill Coal Field.

*BELL, J., M.D.—Appendix on the Plants of the Manitoulin Islands. Out of print.

Postscript by Sir W. E. Logan, addressed to Alfred R. C. Selwyn.

Note.—Up to 1860 the Geological Reports were printed as Appendices to the Journals of the Legislative Assembly, in English and French. The Appendices in which they are to be found are as follows:

Session 1844-45. Appendix W.
“ 1846 “ G.G.G.
“ 1847 “ C.
“ 1849 “ G.
“ 1850 “ V.
“ 1852-53 “ O.
“ 1854-55 “ L.
“ 1857 (Explorations for the years 1853-54-55-56.) Appendix No. 32.

MAPS.

*Coloured Geological Map of the Pictou Coal Field, Nova Scotia. Scale 1 inch to a mile. Price, 10c.

Coloured Map showing the distribution of Lower Silurian Rocks between the Chaudière and the Trois Pistoles River, South of the River St. Lawrence. Scale 8 miles to 1 inch. Price, 10c.

*Coloured Map showing the distribution of the Rock Formations in parts of the counties of Peterborough, Hastings, Addington and Frontenac, Ontario. Scale 4 miles to 1 inch. Price, 10c.

*Sketch Map of the counties of York, Carleton and part of Victoria, New Brunswick. Scale 8 miles to 1 inch. Price, 10c.

*Topographical Sketch-Map showing the Thunder Bay and Lake Nipigon Regions. Scale 4 miles to 1 inch. 3 sheets, price 10c. per sheet.
In December, 1869, Sir William Logan retired from the Directorship, and was succeeded by the present Director, A. R. C. Selwyn.


Contains the following Reports with maps and illustrations:

Selwyn—Summary Report of the Director.
Robb—Supplementary Report on the Geology of North-Western New Brunswick.


Broome—On the Phosphate of Lime and Mica found in North and South Burgess.

Bell—On the Country north of Lake Superior, between the Nipigon and Michipicoten Rivers.


Contains the following Reports with maps:

Summary Report of the Director.

Richardson—On the Coal Fields of the East Coast of Vancouver Island. With a Map of their Distribution. Also a note by Dawson (J.W.) on Fossil Plants, and Analyses of Coals, etc., by Hunt.

Bell—On the Country between Lake Superior and the Albany River.

McQuat—On exploration of Country between Lake St. John and Lake Mistassini.

Vennor—On the Geology of the counties of Leeds, Frontenac and Lanark, Ontario; with notes on the gold of Marmora. Accompanied by a Map of the Township of Marmora, showing the position of the Mines now being worked for Gold, and by a Table of Assays by B. J. Harrington.

Robb—Mining and Mineral Statistics.

MAPS.

*Map showing the position of the Coal Fields of Nanaimo and Comox, Vancouver Island. Scale 10 miles to 1 inch. Out of print.

Map of the Township of Marmora showing the position of the Gold Mines. Scale 1 mile to 1 inch.

Report of Progress, 1872-73. Published in English and French. Montreal, 1873. Large 8vo, pp. 300. Contains the following Reports with Maps and illustrations:

SUMMARY REPORT OF THE DIRECTOR.

SELWYN—Notes of a Geological Reconnaissance from Lake Superior to Fort Garry.

SELWYN—On the Acadia Iron Ore Deposits of Londonderry, Colchester county, Nova Scotia. With notes on Samples of Iron Ore by B. J. Harrington.

RICHARDSON—On the Coal Fields of Vancouver and Queen Charlotte Islands. With a Map of the former, an appendix by Dawson (J. W.) on Fossil Plants, another by Billings on Mesozoic Fossils and a third by Harrington on the Coals of the West Coast.

BELL—On the Country between Lake Superior and Lake Winnipeg.

McOUAT—On the Country between Lake Temiscaming and Abbittibbe.


BAILEY AND MATTHEW—On the Carboniferous System of New Brunswick, in the counties of Queens, Sunbury, and a portion of York.

ELLIS—On Operations in boring for Coal with the diamond-pointed steam drill, at Newcastle Bridge, New Brunswick.

ROE—On the Coal Mines of the Eastern or Sydney Coal Field of Cape Breton, Nova Scotia.

HARRINGTON—Notes on Samples of Brick Clay from Fort Garry; Analysis of Serpentine, etc.

MAPS.

*Plan of the Acadia Iron Mines, and Section of the same. Scale 400 yards to 1 inch. Price, 10c.

Map of a part of the Strait of Georgia and of Vancouver Island, showing a portion of the Comox Coal Field and the distribution of the Cretaceous Coal-bearing Rocks. Scale 2 miles to 1 inch. Plan of the Dalhousie Iron Mine, Lanark County, Ontario.

Report of Progress, 1873-74. Published in English and French. Montreal, 1874. Large 8vo, pp. 268. Price, $1.50. Contains the following Reports, with Maps and Illustrations:

SUMMARY REPORT OF THE DIRECTOR.
SKELLYS—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. With an Appendix by B. J. Harrington on Western Coals, etc.

BELL—On the Country between the Red River and the South Saskatchewan, with Notes on the Geology of the Region between Lake Superior and Red River. With an Appendix by C. Hoffmann on Lignites.


VENNER—Report of Explorations and Surveys in Frontenac, Leeds and Lanark Counties, with Notes on the Plumbago of Buckingham, and Apatite of Templeton and Portland Townships, Ottawa County. With Plan of a portion of North Burgess, showing position of Apatite Openings.

BARLOW—On the Exploration and Survey of the Springhill Coal Field, Cumberland county, Nova Scotia. With a Map showing the position of the Springhill Coal Field.

McOUAT—On a portion of the Coal Field of Cumberland county, Nova Scotia.

ROBB—On Explorations and Surveys in Cape Breton, Nova Scotia.


*WHITEAVES—Notes on the Cretaceous Fossils collected by Mr. James Richardson, at Vancouver and the adjacent Islands. With a lithographed Plate. Out of print.

MAPS.

*Sketch Survey of the Saskatchewan River from Rocky Mountain House to Cumberland Lake. Scale 16 miles to 1 inch. Price, 10c.

*Plan of North Burgess, showing position of Apatite Openings. Scale 1/4 mile to 1 inch. Price, 10c.

Index map showing the position of the Springhill Coal Field. Scale 8 miles to 1 inch. Price, 10c.


Contains the following Reports with Maps and Illustrations:

SUMMARY REPORT OF THE DIRECTOR.

✓ BELL—On the Country West of Lakes Manitoba and Winnipegosis, with Notes on the Geology of Lake Winnipeg.

SPENCER—On the Country between the Upper Assiniboine River and Lakes Winnipegosis and Manitoba.

RICHARDSON—On Explorations in British Columbia.

ELLIS—Second Report on the Boring Operations with the Diamond Drill at Newcastle Bridge, Queen's county, New Brunswick.

ELLIS—On the Iron Ore Deposits of Carleton county, New Brunswick. With a Map showing the Distribution of the Ores.


ROBB—Explorations and Surveys in Cape Breton, Nova Scotia. With two coloured Geological Maps, and a Table of Sections of the Measures in the Sydney Coal Field.

SMITH—Observations on the History and Statistics of the Trade and Manufacture of Canadian Salt.

HARRINGTON—Notes on a few Canadian Minerals and Rocks.

HOFFMANN—Chemical Contributions to the Geology of Canada.

MAPS.

*Map showing the distribution of the Iron Ores of Carleton county, New Brunswick. Price, 10c.

*Shaded Geological Map of Lanark county and parts of Renfrew and Leeds, Ontario. Scale, 4 miles to 1 inch. Price, 10c.

*Coloured Geological Map of the Cape Dauphin District, Cape Breton, Nova Scotia. Scale 4 inches to a mile. Price, 10c.

*Coloured Geological Map of the Sydney Coal Field, Cape Breton, Nova Scotia. Scale 1 inch to a mile. Price, 10c.

Report of Progress for 1875-76. Published in English and French, Montreal 1877. Large 8vo, pp. 432. Price, $2.00.

Contains the following with maps and illustrations:

SUMMARY REPORT OF THE DIRECTOR.

HARRINGTON—Biographical Sketch of Sir William Edmond Logan.

SELWYN—Report on Explorations in British Columbia. With nine Illustrations, Sketch-map of Route and three Appendices.


WHITESAVES, J. F. Appendix II. Notes on Fossils collected during the Expedition.

LA CONTE, J. Appendix III. List of Coleoptera collected during the expedition.

MACOUG—On the Botany of the country traversed, from the Pacific to Carleton on the Saskatchewan. With an Appendix containing a Catalogue of Plants.

DAWSON (G. M.)—Report on Explorations in British Columbia. With five Illustrations and two Sections.


ELLIS—On Boring Operations in the North-West Territory in the summer of 1875.
THE PUBLICATIONS.

Bell—Report on an Exploration in 1875, between James' Bay and Lakes Superior and Huron.


Hoffmann—Chemical Contributions to the Geology of Canada.

MAPS:

* Sketch Survey of Route from Quesnel Mouth by Stewart and McLeod Lakes to the Junction of Smoky River and Peace River. Scale 6 miles to 1 inch. Price, 10c.

* Sketch Map of Route from the Forks of Peace and Smoky Rivers to Carlton House, Saskatchewan River. Scale 40 miles to 1 inch. Price, 10c.

* Coloured Geological Map of the Sydney Coal Fields, Cape Breton, Nova Scotia. Scale 1 inch to a mile.


Contains the following Reports with maps and illustrations:

Summary Report of the Director.


Dawson (G. M.)—Report of a Reconnaissance of Leech River and Vicinity.


Whiteaves—Notes on some Jurassic Fossils collected by Mr. G. M. Dawson in the Coast Range of British Columbia.

Richardson—Report on the Coal Fields of Nanaimo, Comox, Cowichan, Burrard Inlet and Sooke, British Columbia. With three Illustrations and a Map.

Bell—Report on Geological Researches North of Lake Huron and East of Lake Superior.

Hunt—The Goderich Salt Region and Mr. Attrill's Explorations. (Reprinted from the Transactions of the American Institute of Mining Engineers, Vol. V.)

Vennor—Progress Report of Explorations and Surveys made during the years 1875 and 1876 in the counties of Renfrew, Pontiac and...

Matthew—Report on the Slate Formations of the Northern part of Charlotte county, New Brunswick, with a summary of Geological Observations in the South-eastern part of the same county.


Fletcher—Report on the Geology of part of the counties of Victoria, Cape Breton and Richmond, Nova Scotia. With a coloured Geological Map.

*Scudder—Additions to the Insect Fauna of the Tertiary Beds at Quesnel, British Columbia.

Out of print.

Harrington—Notes on Miscellaneous Rocks and Minerals.

*Hoffmann—Chemical Contributions to the Geology of Canada. On Canadian Graphite.

Price, 25c.

MAPS.

*Coloured Geological Map of portion of British Columbia between the Fraser River and the Coast Range. Scale 8 miles to 1 inch.

Price, 10c.

*Coloured Geological Map of a portion of British Columbia, showing the Coal Fields of Comox, Nanaimo and Cowichan on Vancouver and adjacent Islands, and the distribution of the Cretaceous Coal-bearing Rocks; also the Tertiary Rocks of Sooke and Burrard Inlets. Scale 4 miles to 1 inch.

Price, 10c.

*Coloured Map showing the distribution of the Phosphate of Lime Rocks and the position of the most important Mines in Ottawa county, Quebec. Scale 4 miles to 1 inch.

Out of Print.

*Coloured Geological Map of the Lower Carboniferous Rocks of Albert and Westmoreland counties, New Brunswick, showing the distribution of the Albert Shales. Scale 1 inch to a mile. Price, 10c.

*Coloured Geological Map of part of Cape Breton, Nova Scotia. Scale 1 inch to a mile.

Price 10c.

Report of Progress, 1877-78. Published in English and French, Montreal, 1879. Large 8vo, pp. 496.

Price, $2.50.

Contains the following Reports with Maps and Illustrations:—

Summary Report of the Director.

Additions to the Library.


Bell—Report on an Exploration of the East Coast of Hudson’s Bay. With six Plates and three Illustrations.
THE PUBLICATIONS.

• BELL.—Report on the Country between Lake Winnipeg and Hudson's Bay. With five plates.
• ELLIS.—Report of the Pre-Silurian Rocks of Albert, King's and St. John counties, Southern New Brunswick.
• BAILLIE.—Report on the Pre-Silurian (Huronian) and Cambrian or Primordial Silurian Rocks of Southern New Brunswick.
• FLETCHER.—Report of Explorations and Surveys in Cape Breton, Nova Scotia.
• HOFFMANN.—Chemical Contributions to the Geology of Canada. On Canadian Apatite.

MAPS.

*Map of part of the East Coast of Hudson's Bay, to illustrate Dr. Bell's Report C. Scale 4 miles to 1 inch. Price, 10c.
*Map of Lake Winnipeg. Scale 8 miles to 1 inch. Price, 10c.
*Map of Nelson River and the Boat Route between Lake Winnipeg and Hudson Bay, including an enlarged Plan of the Mouth of Hayes' River and vicinity of York Factory. First, scale 8 miles to 1 inch; second, scale 1 mile to 1 inch. Price, 10c.
*Geological Map of part of Cape Breton, Nova Scotia. Hugh Fletcher. Report E. Scale 1 mile to 1 inch. Price, 10c.


Contains the following Reports, with Maps and Illustrations:—
SUMMARY REPORT OF GEOLOGICAL INVESTIGATIONS BY THE DIRECTOR.

Dawson, G. M. Appendix A.—On the Haida Indians of the Queen Charlotte Islands.
Dawson, G. M. Appendix B.—Vocabulary of the Haida Indians.
Whitlaven, J. F. Appendix C.—On some Marine Invertebrata from the Queen Charlotte Islands.
Smith, S. J. Appendix D.—Notes on the Crustacea from the Queen Charlotte and Vancouver Islands.
Macoun, J. Appendix E.—List of Plants from the Queen Charlotte Islands.
Dawson, G. M. Appendix F.—Meteorological Observations.
Bovey, H. J. and Dawson, G. M. Appendix G.—Notes on the Latitude and Longitude adopted in the construction of the map.

**Bell, R. Appendix I.—On some Silurian and Devonian Fossils from Manitoba and the valleys of the Churchill and Nelson River.

**Bell, R. Appendix II.—List of Plants collected by Dr. Bell around the shores of Hudson's Bay, and along the Churchill and Nelson Rivers.

**Bell, R. Appendix III.—List of Fresh-water Mollusca from Manitoba and the Valley of the Nelson River.

**Bell, R. Appendix IV.—List of Lepidoptera from the Nelson and Churchill Rivers and the West Coast of Hudson's Bay.

**Bell, R. Appendix V.—List of Birds from the region between Norway House and Forts Churchill and York.

**Bell, R. Appendix VII.—Variation of the Compass in twenty-one localities.


**Hoffmann—Chemical Contributions to the Geology of Canada.

**Maps.

*Map of the Queen Charlotte Islands. G. M. Dawson. Report B. Scale 8 miles to 1 inch. Price, 10c.

*Plans of Harbours, Queen Charlotte Islands. G. M. Dawson. Report B. Scale 2 nautical miles to 1 inch. Price, 10c.

*Geological Map of Skidegate Inlet, Queen Charlotte Islands. G. M. Dawson. Report B. Scale 1 mile to 4 1/2 inch. Price, 10c.

*Map of Island and God's Lakes, and the connecting waters to Oxford Lake, Robert Bell. Report B. Scale 4 miles to 1 inch. Price, 10c.

Three Sheets Geological Map of Southern New Brunswick, to illustrate the annual Reports of Messrs. Bailey, Matthew and Ells, up to 1878. Scale 4 miles to 1 inch.

Report of Progress for 1879-80. Published in English and French, Montreal, 1881. Large 8vo, pp. 578. Price, $2.00.

Contains the following Reports with Maps and Illustrations:—

**Summary Report of the Director.

**Selwyn—Report on Boring Operations in the Souris River Valley.

**Dawson, G. M. Appendix 1—On the Lignite Tertiary Formation from the Souris River to the 108th Meridian.

**Dawson, Principal J. W. Appendix II.—Note on Fossil Plants collected by Dr. Selwyn in the Lignite Tertiary Formation of Roche Percé, Souris River.

**Dawson, G. M.—Report on an Exploration from Fort Simpson, on the Pacific Coast, to Edmonton, on the Saskatchewan, embracing a portion of the Northern part of British Columbia and the Peace River Country.
THE PUBLICATIONS.

MACOUN, J. Appendix I.—List of Plants collected in the Northern part of British Columbia and the Peace River Country, 1879.

DAWSON, G. M. Appendix II.—Meteorological Observations in the Northern part of British Columbia, the Peace River District, and from Edmonton to Manitoba.

DAWSON, G. M. Appendix III.—Note on Latitudes and Longitudes of the Region from the Pacific Coast to Edmonton.

Note on the Distribution of some of the more important Trees of British Columbia. (First printed in the Canadian Naturalist, Vol. IX, No. 3.)

BELL.—Report on Hudson's Bay and some of the lakes and Rivers lying to the West of it.

WITTEAYES, J. F. Appendix I.—List of Fossils collected by Dr. Bell in Manitoba, 1880.

MACOUN, J. Appendix II.—Tabulated List of Plants collected in the district.

LECOITTE, J. L. Appendix III.—List of Coleoptera collected in 1880 in Manitoba, and between Lake Winnipeg and Hudson's Bay.

WITTEAYES, J. F. Appendix IV.—List of the Land, Fresh-water and Marine Mollusca collected.

DITTMAR, PROF. W. Appendix V.—Analysis of the Waters of Hayes and Nelson Rivers.

BELL, R. Appendix VI.—Seasonal or Periodic Events, York Factory.

BELL, R. Appendix VII.—Tables showing Dates of the opening and closing of Hayes River, at York Factory, from Records by Mr. William Wood, Meteorologist, York Factory.

BELL, R. Appendix VIII.—Dates of the arrivals of the Hudson Bay Company's vessels at York Factory, and of their sailing for 83 years from 1799 to 1880, both inclusive.

BELL, R. Appendix IX.—Seasonal or Periodic Events, Moose Factory.

BELL, R. Appendix X.—Dates of the arrivals of the Hudson Bay Company's vessels at Moose Factory, and of their sailings for 147 years from 1735 to 1880, both inclusive.


HOFFMANN.—Chemical Contributions to the Geology of Canada.

MAPS.

*Map illustrating the distribution of some of the more important trees in British Columbia. G. M. Dawson. Report B. Scale 50 miles to 1 inch. Price, 10c.

Map of part of British Columbia and the North-West Territory, from the Pacific Ocean to Fort Edmonton (three sheets). In portfolio, accompanying report. G. M. Dawson. Scale 8 miles to 1 inch.
GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA.

*Map showing the General Northern Limits of the Principal Forest trees of the Dominion of Canada, east of the Rocky Mountains. In portfolio, to accompany the report. Robert Bell. Scale 80 miles to 1 inch. Price, 10 cents

Report of Progress for 1880-81-82. Published in English and French, Montreal, 1883. Large 8vo, pp. 237. Price, $2.00.

Contains the following Reports, with Maps and Illustrations:

SUMMARY REPORT OF THE DIRECTOR.
Additions to the Library.
SHELWYN—Geological Nomenclature and the Colouring and Notation of Geological Maps.
Index to Colours and Signs. Plate.
SHELWYN—Notes on the Geology of the south-eastern portion of the Province of Quebec.

ADAMS, F. D. Appendix—Notes on the Microscopic Structure of some Rocks of the Quebec Group.

DAWSON (G.M.)—Preliminary Report on the Geology of the Bow and Belly River Region, North-West Territory. With special reference to the Coal Deposits. 3 Plates. 1 Map.


LECONTE, J. L. Appendix II.—Lists of Coleoptera from eleven localities.

ELLS—Report on Northern and Eastern New Brunswick and North side of the Bay of Chaleur.


WILLIMOTT—Notes on some of the Mines in the Province of Quebec.

HOFFMANN—Chemical contributions to the Geology of Canada.

MAPS.

*Index Map of Coal and Lignite Outcrops in the Bow and Belly River District. G. M. Dawson. Report B. Scale, 10 miles to 1 inch. Price, 10c.

Five Sheets Geological Map of Northern and Eastern New Brunswick, with a portion of the Gaspé Peninsula. R. W. Elks. Scale, 4 miles to 1 inch.

*Map showing approximately the Geology of the basin of Moose River. Robert Bell. To illustrate Reports from 1875-77 and 1881. Scale, 8 miles to 1 inch. Price, 10c.

Plan of Moose River from the neighbourhood of Moose Factory to James' Bay. Robert Bell. Report C. Scale, 8 miles to 1 inch. Price, 10c.

*A Topographical Map of the Eastern Townships (in four sheets) embracing an area of 26,121 square miles, from St. Jerome and Lake of the Two Mountains, on the west, to New Hampshire and Maine Boundary, on the east, and from latitude 45° to 47° 50' north. Scale 4 miles to 1 inch. Price, $4.00.

**Report of Progress for 1882-83-84.** Published in English and French, Montreal, 1885. Large 8 vo., pp. 786. Price, $2.00.

Contains the following Reports with Maps and Illustrations.

**SUMMARY REPORT OF THE DIRECTOR.**

Additions to the Library.


DAWSON, G. M.—Report on the region in the vicinity of Bow and Belly Rivers, N.W.T.

DAWSON, G. M. Appendix I.—List of Elevations.

NELSON, J. C. Appendix II—Blackfoot Names of Places in the district.

HOPFMANN, G. C. **APPENDIX III.**—Analyses of Ironstones occurring in the district.


BELLE—Observations on the Coast of Labrador, and on Hudson Strait and Bay.

MAcoUN, J. Appendix I.—List of Plants collected by Dr. Bell in the district.

BELLE, R. Appendix II.—List of the Mammals of the district, with notes.

BELLE, R. Appendix III.—List of the Birds of the district, with notes.

SMITH, S. J. Appendix IV.—List of Crustacea collected by Dr. Bell at Port Burwell.

LYMAN, H. H. Appendix V.—List of Lepidoptera collected by Dr. Bell in Hudson District.

SMITH, J. B. Appendix VI—List of Coleoptera collected by J. R. Spencer at Fort Churchill.


LOW—Report on Explorations and Surveys in the interior of Gaspé Peninsula.

BAILEY—Report of Explorations and Surveys in portions of York and Carleton counties, N.B.

CHALMERS—Report on the Surface Geology of Western New Brunswick, with special reference to the area included in York and Carleton counties.

FLETCHER—Report on the Geology of Northern Cape Breton.

TORRANCE—Report on Apatite deposits, Ottawa county, Quebec.
GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA.

Hoffmann—Analyses of Coals and Lignites of the North-West Territory.
Hoffmann—Chemical Contributions to the Geology of Canada from the Laboratory of the Survey.

MAPS.

1. *Geological Map of the Region in the vicinity of Bow and Belly Rivers. Scale 8 miles to 1 inch. Price, 10c.

2. *Map showing Wooded and Prairie Districts, &c., in the Region in the vicinity of Bow and Belly Rivers. Scale, 8 miles to 1 inch. Price, 10c.

3. *Map of part of Athabasca River. Scale, 8 miles to 1 inch. Price, 10c.

4. *Ten Sheets Geological Map of New Brunswick, Quebec and Prince Edward Island. Scale 4 miles to 1 inch. Numbers—1 N.W., New Brunswick; 5 S.W., New Brunswick and Prince Edward Island; 5 N.W., Prince Edward Island; 5 S.E., Prince Edward Island; 3 N.E.; 3 N.W.; 6 N.W.; 7 S.W.; 15 S.E.; 15 S.W., Quebec. Price, 10c per sheet.

5. *Twenty-four sheets Geological Map of Cape Breton. Scale, 1 mile to 1 inch. These sheets are numbered 1 to 24. Nos. 22 and 24 embrace adjacent parts of Nova Scotia. Price, 10c. per sheet.


Annual Report (New Series), Vol. I, 1886. Published in English and French, Montreal, 1886. Large 8vo, pp. 834. Price, $2.00. Contains the following Reports with Maps and Illustrations. Each Report is also published separately:—

(A) Selwyn—Summary Report of the Director for years 1884 and 1885. Price, 25c.


Macoun, Jas. M. Appendix I.—List of Birds Collected at Lake Mistassini.
THE PUBLICATIONS.

MACOUN, Jas. M. Appendix II—List of Plants collected at Lake Mistassini, &c.

LOW, A. P. Appendix III.—Meteorological Observations taken on the route to Mistassini and Mistassini Lake.

(DD) BELL—Observations on the Geology, Zoology and Botany of Hudson’s Strait and Bay. With Map No. 7. Price, 15c.

MACOUN, J. Appendix I.—Lists of Plants collected in Newfoundland.


(G) BAILEY—Explorations and Surveys in portions of the counties of Carleton, Victoria, York and Northumberland, New Brunswick. With Map No. 9. Price, 20c.


(K) COSTE—Observations on Mining Laws and Mining in Canada, with suggestions for the better development of the Mineral Resources of the Dominion. Price, 15c.

(M) HOFFMANN—Chemical Contributions to the Geology of Canada, from the Laboratory of the Survey. Price, 10c.

MAPS.

1. *Reconnaissance Map of a portion of the Rocky Mountains between Latitude 49° and 51° 30'. Geologically coloured. Price, 10c.


5. *Geological Map of the Northern part of the Lake of the Woods and adjacent country. Price, 10c.


7. *Chart of the Ottawa Islands, Hudson Bay. Price, 10c.


Contains the following Reports with Maps and Illustrations. Each Report is also published separately:—

(A) SELWYN—Summary Report of the Director for the year 1886. Price, 10c.
GEological and Natural History Survey of Canada.

(B) Dawson—Report on a Geological Examination of the Northern part of Vancouver Island and adjacent coasts. With Map No. 1. Price, 30c.

Whiteaves, J. F. Appendix I.—Notes on some Mesozoic Fossils from British Columbia.

Macoun, J. Appendix II.—List of Plants from Vancouver Island and adjacent Coasts.

Dawson, G. M. Appendix III.—Meteorological Observations.

(D) McConnell—On the Geological Structure of the Rocky Mountains. With Section No. 2. Price, 30c.

(E) Tyrrell—On a part of Northern Alberta, and portions of adjacent districts of Assiniboa and Saskatchewan. With Maps No. 3 and 4. Price, 25c.

Whiteaves, J. F. Appendix I.—On some Fossils from the Cretaceous and Laramie Rocks.

Fletcher, James. Appendix II.—List of Lepidoptera collected by J. B. Tyrrell and D. B. Dowling.

Tyrrell, J. B. Appendix III.—List of Elevations in the district.

Tyrrell, J. B. Appendix IV.—Indian names of places in the district.

(F) Low—Preliminary Report on an Exploration of Country between Lake Winnipeg and Hudson Bay. Price, 10c.

(G) Bell—On an Exploration of the At-ta-wa-pisickkat and Albany Rivers. Price, 25c.

Bell, R. Appendix.—List of Lepidoptera from Southern Keewatin.

(J) Ellis—On the Geology of a portion of the Eastern Townships, relating more especially to the counties of Compton, Stanstead, Beauce, Richmond, and Wolfe. With Map No. 5. Price, 30c.


(N) Bailey and McInnes—On Explorations in portions of the counties of Victoria, Northumberland, and Restigouche, New Brunswick. With Map No. 7. Price, 10c.


(T) Hoffmann—Chemical Contributions to the Geology of Canada. Price, 10c.

MAPS.

1. *Geological Map of the Northern part of Vancouver Island and the adjacent Coasts, Part B. Price, 10c.
2. *Geological Section across the Rocky Mountains, part D. Price, 10c.
4. *Map showing wooded and prairie tracts in Northern Alberta, N.W.T., part E. Price, 10c.
5. *South-East quarter-sheet of the Eastern Townships, Geologically coloured, part J. Price, 10c.
6a. *Quarter-sheet, No. 3, S. E. part M. Price, 10c.
8. *Geological Map of the Northern part of Canada, east of the Rocky Mountains, part R. Price, 10c.

Contains the following Reports with Maps and Illustrations. Each Report is also published separately:

(A) Selwyn—Summary Report of the Director for the year 1887.

(B) Dawson—Report on an Exploration in the Yukon District N.W.T. and adjacent northern portion of British Columbia.

Dawson, G. M. Appendix I.—Notes on the distribution of trees and of certain shrubs of the Yukon District and northern portion of British Columbia.

Dawson, G. M. Appendix II.—Notes on the Indian tribes of the same district.

Macoun, J. Appendix III.—List of Plants collected by Dr. G. M. Dawson in the same district in 1887.

Fletcher, James. Appendix IV.—List of Diurnal Lepidoptera from the same district and from the Mackenzie River.

Bean, T. H. Appendix IV.—Fishes from the same district.

Merrian, C. H. Appendix IV.—Description of a new red-backed mouse from the Liard River, N.W.T.

Adams, F. D. Appendix V.—Notes on the lithological character of some of the rocks collected in the district covered by the report.

Dawson, G. M. Appendix VI.—Meteorological observations in the same district.

Dawson, G. M. Appendix VII.—Summary of Astronomical Observations employed in the construction of the map.


(E) Tyrrell—Notes to accompany a preliminary Map of the Duck and Riding Mountains in Northwestern Manitoba. With Map No. Price, 10c.


GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA.


Macoun, J. M. Appendix I.—List of Plants collected by the Author in the district covered by the Report.

Fletcher, James. Appendix II.—List of diurnal Lepidoptera collected by S. J. Couter and J. M. Macoun in the same district.

Swancier, Miles. Appendix III.—Notes on the breeding habits of certain Mammals.


(K) Ellis—Report on the Geology of the counties of Megantic, Beauce, Dorchester, Lévis, Bellechasse and Montmagny, Quebec.

Ami, H. M. Appendix.—Systematic List of Fossils collected in the district.

(M) Bailey and McInnes—Report on Explorations and Surveys in portions of Northern New Brunswick and adjacent areas in Quebec and in Maine, U.S. Price, 25c.

Ami, H. M. Appendix—Tabulated List of Fossils collected in the district.


MAPS.

1. *Yukon District and British Columbia, three sheets. Part B. Scale 8 miles to 1 inch. Price 10c. per sheet.
2. *Index Map of Yukon District and British Columbia. Part B. Scale 60 miles to 1 inch. Price 10c.
4. *Island Mountain and Mosquito Creek. Part C. Scale 500 feet to 1 inch. Price 10c.
13. Sheet (6 S.W.) and (2 N.E.), New Brunswick. Part N. Scale 4 miles to 1 inch. Price 10c.
14. Madoc and Marmora Mining District. Part S. Scale 40 chains to 1 inch. Price 10c.

SPECIAL PUBLICATIONS.

GEOLGY AND MINERALOGY.

Remarks on the Mining Region of Lake Superior, addressed to the Committee of the Executive Council; and Report on Mining Locations claimed on the Canadian shores of the Lake,—addressed to the Commissioner of Crown Lands. By W. E. Logan. Published Montreal, 1847, pp. 31. Price, 10c.


General Note on the Mines and Minerals of Economic value of British Columbia with a List of Localities. By George M. Dawson. (Reprinted with additions and alterations from the Canadian Pacific Railway Report, 1877.)


Preliminary Note on the Geology of the Bow and Belly Rivers District N. W. Territory, with Special Reference to the Coal Deposits. By George M. Dawson. Published Montreal, 1882, pp. 13. Price, 10c.


PALÁENTOLOGY.


Mesozoic Fossils—Vol. I.—Part I—On some Invertebrates from the Coal-bearing Rocks of the Queen Charlotte Islands, collected by Mr. James Richardson in 1872. By J. F. Whiteaves. Published Montreal, 1876. With ten lithographed plates and a map showing localities of fossils. Large 8vo., pp. 92. Price, 50c.


Preliminary Report on some Graptolites from the Lower Paleozoic Rocks on the south side of the St. Lawrence from Cape Rosier to Tartigo River, from the north shore of the Island of Orleans, one mile above Cape Rouge, and from the Cove Fields, Quebec. By Prof. Chas. Lapworth. Extracted from the Transactions of the Royal Society of Canada for the year 1886. 4to, pp. 18. Price, 25c.


Contributions to Canadian Paleontology—Vol. I, Part II.—(2) On some fossils from the Hamilton Formation of Ontario, with a list of the species at present known from that formation and province; (3) The fossils of
the Triassic Rocks of British Columbia; and (4) On some Cretaceous fossils from British Columbia, the North-West Territory and Manitoba. By J. F. Whiteaves. Published Montreal, 1889. With fifteen lithographed plates. Large 8vo., pp. Price 50c.

Notes on the Palæozoic Bivalved Entomöstra. No. XXVII. On some North American (Canadian) Species. By Prof. T. Rupert Jones. Reprinted from the Annals and Magazine of Natural History for May, 1889, 8vo, pp. 15, with two lithographic plates. Contains descriptions of several species from Campbellton and Cape Bon Ami, N.B., also of one from the valley of the Red River in Manitoba. Price, 10c.

Contributions to Canadian Micro-Palæontology. Part II. On some Polyzoa (Bryozoa) and Ostracoda from the Cambro-Silurian rocks of Manitoba. By E. O. Ulrich. Published Montreal, 1889. Large 8vo, pp. 32. Illustrated by two lithographed plates. Price, 25c.

ZOOLOGY.


On some Marine Invertebrata, dredged or otherwise collected by Dr. G. M. Dawson in 1885, on the coast of British Columbia; with a supplementary list of a few land and fresh water shells, fishes, birds, etc., from the same region. By J. F. Whiteaves. Reprinted from Vol. IV. of the Transactions of the Royal Society of Canada. Montreal, 1887. 4to, pp. 28, with four wood cuts. Price, 25c.

BOTANY.

Catalogue of Canadian Plants. By Professor Macoun.


MISCELLANEOUS.

Comparative Vocabularies of the Indian Tribes of British Columbia, with a map illustrating distribution. By W. Fraser Tolmie and Dr. George M. Dawson. Published Montreal. Large 8vo, pp. 131 Price, 50c.

MUSEUM.

The Geological and Natural History Museum and Headquarters of the Survey were, in accordance with an Act of the Dominion Parliament, 46 Vic., cap. 9, sec. 7, removed from Montreal to Ottawa, and are now established in a three-story stone building on the corner of Sussex and George streets.
The large increase of visitors to the Museum, since its removal from Montreal fully justifies the action of the Government in transferring it to the Capital. The largest number of names entered in the register of visitors for any one year at Montreal, was 1,652, and this number in 1880, was reduced to 1,183; whereas, at Ottawa, at the end of the first year, there were 9,549 names registered; at the end of the second year 10,806; at the end of the third 12,325; at the end of 1888, 17,414.

The ground floor contains offices, library and chemical laboratory.

On the first floor there are two rooms devoted to museum purposes—the larger one, 103 feet long by 34 feet wide, contains upwards of 4,000 geological and mineralogical specimens, arranged in cases to illustrate the economic and scientific geology of the Dominion. The specimens are labelled, showing the localities from which they were obtained, and the formations to which they belong. The economic collection is arranged under the following heads:—

I–VII. Metals and their Ores.
VIII–X. Fossil Fuel.
XI. Materials Applicable to Construction.
XII–XVIII. Materials used in the production of Light and Heat.
XIX. Mineral Mannures.
XX. Mineral Pigments and Detergents.
XXIII. Materials for Grinding and Polishing.
XXIV. Salt, Brines and Mineral Waters.
XXV–XXVI. Minerals applicable to the Fine Arts and to Jewelry.
XXVII–XXXII. Illustrations of Geological Phenomena.

The smaller of the two rooms on this floor is 18 feet long and 22 feet wide. It contains a large series of objects of Indian manufacture, both ancient and modern, principally from the Pacific Coast of the Dominion, and from Western Ontario, besides a fine collection of Eskimo implements, &c. The total number of specimens illustrative of Canadian ethnology and archæology, which are on exhibition in the cases in this room, is nearly 3,000, and the whole collection is carefully labelled.

The rooms on the second floor are of the same dimensions as those on the first floor. The larger one contains upwards of 13,000 specimens of Canadian fossils, representing between 3000 and 4000 species; and about 6,000 species of shells, comprising upwards of 14,000 specimens, most of which are exotic. There are also in this room some miscellaneous zoological specimens, such as mounted examples of Canadian Mammalia, and a few articulated skeletons.

The smaller room on this floor, the hall between it and the large room, and part of the stair-case are now utilized for the exhibition of the collection of Canadian mammals, birds and turtles.

The following is an estimate of the number of specimens and species of native vertebrata now (July 22, 1889) exhibited in the Museum:—

**Mammals.**

109 Mounted specimens of ........................................ 59 species.
8 Mounted heads of .............................................. 8 "
4 Mounted skeletons of .......................................... 4 "
27 Separate skulls of ............................................. 17 "
526 Mounted specimens of ........................... 335 species.

3 Mounted specimens of ................................ 2 species.

The Entomological collection in the Museum of the Survey contains about 10,000 specimens belonging to all orders. The Lepidoptera are most largely represented and include specimens from all parts of the world. During the last two years large additions have been made to the Coleoptera, chiefly of Canadian species, and although as yet the collections in the other orders are small, they are being gradually increased as occasion offers.

The nucleus of the Entomological collection was purchased from Capt Gamble Geddes in 1887, and, since that time, many valuable contributions have been made by different members of the Survey staff.

The Museum possesses an Herbarium containing upwards of 17,519 sheets of specimens, including specimens from Canada, Europe and the United States.

In the Library there are about 7,500 volumes and 2,600 pamphlets, comprising mainly works of reference on Geology, Mineralogy, Metallurgy, Chemistry and Natural History.

Persons desiring to consult any volume can do so, by applying to the Librarian.

The Museum is open from 10 a.m. to 4 p.m. Admission free.

Ottawa, July, 1889.