1845-1917

BY
W. F. Ferrier
Assisted by Dorothy J. Ferrier

OTTAWA
J. De Labroquerie Taché
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1930

No. 1723

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Publications that are available for distribution may be obtained by application to The Director, Geological Survey, Ottawa.

INTRODUCTION.

The first volume of reports of the Geological Survey (for 1843) was issued in 1845 under the title “Report of Progress”, which was retained for subsequent volumes until 1884. In 1885 the title of the volumes was changed to “Annual Report (new series)” and continued until 1907, when, with the publication of vol. XVI (for 1904), the bound volumes in English were discontinued, those in French having ended with vol. XII (for 1899). Nearly all reports contained in vols. I-XVI have also been issued as separates.

After the discontinuance of the annual volumes all publications were issued separately at irregular intervals and since 1910 are mostly included in the series of “Memoirs” and “Museum Bulletins” commenced in 1910 and 1913, respectively.

The publication of an annual Summary Report in separate form, commenced in 1885, has been continued to date.

In addition to the Reports of Progress, Annual Reports, Summary Reports, Memoirs, and Museum Bulletins, numerous separate reports and special publications have also been issued.

The catalogue includes the publications of the Geological Survey from its inception to August 1, 1917. It is not intended to take the place of a detailed index, but by listing as fully as possible the contents of each publication as derived from titles, by the insertion of notes, and by classified finding lists (accompanied by index maps) in which attention is directed to the scope of a report, it is hoped that the means has been provided for readily obtaining any desired information.

In this work former catalogues have been disregarded and the particulars obtained from the publications themselves.

Numerous explanatory notes have been inserted and an endeavour has also been made to give information regarding such matters as editions, official reprints, errors, etc., which may be useful to librarians and others in indexing and arranging the reports and maps.

In listing contents of publications it has not been thought necessary for the purposes of this catalogue to adhere strictly to the rules of cataloguing. In the past there has been such a diversity of systems of pagination and nomenclature of illustrations that detailed particulars and explanations would be complex and confusing. Regarding illustrations, the numbered maps and diagrams, folding sheets, errata slips, etc. in each publication are specified, as, through errors in binding, copies of volumes and separates occasionally lack some of these. The total number
of all other pictorial representations is then given, each figure whether
in text or plates being counted as one illustration.

In the older reports where no descriptive title is attached this has
been supplied, worded to convey a clear idea of the contents.

Old forms of geographical names in titles have been changed to
conform with the rulings of the Geographic Board where the retention
of the old name might be confusing.

Dates following titles of maps and reports are those of publication.
Where the date printed on the report or map differs from the actual date
of publication the former is also inserted, in brackets.

Publications marked thus (†) are out of print. The letters (E) and
(F) placed after publication numbers denote the English and French
editions, respectively.

Particulars given under reports contained in bound volumes refer
to the separates, unless otherwise noted.

In all Summary Reports prior to that for 1901 only those preliminary
reports (or parts of reports) of investigations on which no final report was
issued, are listed, but under each final report references to all preliminary
reports are given. In part XVIII all preliminary reports are included.

In the present catalogue, maps issued separately unaccompanied
by final reports are listed with the Summary Reports or others in which
descriptions of the areas are found or information is given regarding the
maps. Where the descriptions are contained in more than one the map
is listed with the latest report and references given to the others.

Some defects exist in the index maps furnished to accompany the
finding lists, but these were not considered serious enough to justify the
delay in publication which would be necessitated by their correction.

The appendix to this catalogue contains a list of papers, by members
of the staff and some others who did special work for the Survey, which
appeared in publications other than those of the Geological Survey. The
list is arranged under the names of authors.

I am greatly indebted for information and suggestions to Mr. W.
McInnes and members of the staff of the Geological Survey, particularly
Mr. D. B. Dowling, Mr. E. R. Faribault, Mr. C. O. Senécal, Mr. W. H.
Collins, Mr. L. M. Lambe, Mr. W. H. Boyd, Mr. J. M. Macoun, Mr. P. H.
Selwyn, Mr. J. Marshall, Mr. J. Hill, Mr. M. Sauvalle, Mr. J. Paradis,
Mr. P. E. Lévesque, and Mr. R. E. Lyons.

My thanks are also due to Miss M. Calhoun for assistance in checking
publications, and to Miss T. O'Farrell who was employed in the pre-
liminary cataloguing.

In conclusion I desire to acknowledge the efficient assistance of my
daughter, Miss D. J. Ferrier, without whose co-operation it would have
been impossible for me to undertake the work.
PART I.

REPORTS OF PROGRESS, ANNUAL REPORTS, AND SUMMARY REPORTS.
PART I.

REPORTS OF PROGRESS, ANNUAL REPORTS, AND SUMMARY REPORTS.

Numbers in the margin are the publication numbers of the Geological Survey. Reports included in the volumes which have also been published as separates have their individual numbers. Most of the maps accompanying reports have also been issued separately. Where the separate differs in title or otherwise it is specially noted. Publications marked thus (†) are out of print. The letters (E) and (F) placed after publication numbers denote the English and French editions, respectively. Reprints are inserted immediately following the originals. See part XVI for complete list of the various forms in which separates of Summary Reports have been issued.

†1. (E) Report of Progress for the year 1843. Title reads: Message from His Excellency the Governor General, with reports on a geological survey of the Province of Canada. Published in English and French, Montreal, 1845. 8vo. pp., English 159, French 159. With 10 illustrations. See note on p. 12.

Contains the following reports:

Remarks on the mode of proceeding to make a geological survey of the Province. By W. E. Logan.

Preliminary report, 1842. (Giving "a probable sketch of some leading features in Canadian geology.") By W. E. Logan.

Report of Progress for the year 1843. (Contains a short account of the general geological structure of the eastern and western parts of the Province of Canada in relation to that of the United States, with notes on lithographic stone.) By W. E. Logan.

On the geology of the district between Georgian bay and the lower extremity of lake Erie, with notes on economic minerals. With 4 illustrations. By A. Murray.

Appendix. Section of the Nova Scotia coal measures as developed at the Joggins, on the bay of Fundy, in descending order, from the neighbourhood of the West Ragged reef to Minudie, reduced to vertical thickness. With 6 illustrations. By W. E. Logan.

†2. (E) Report of Progress for the year 1844. Published in English and French, Montreal, 1846. 8vo. pp., English 110 and errata slip, French 120. With 1 illustration. See note on p. 12.

Contains the following reports:


On the geology of the Bonaventure river. By A. Murray.


1. Section of coal measures displayed in the cliffs between Cranberry cape and point Dumai, on the New Brunswick coast, south side of the bay Chaleur.
2. Section of measures exposed in the cliffs between point Peter opposite Flat island, and the bight of the cove on the north side of pointe Jaune, or Yellow head.
3. Section of measures exposed in the cliffs reaching from pointe Jaune to the trap dyke at the point between Bréhaut bay of Bayfield's chart, and the cove to the south of it.
4. Section of measures exposed in the cliffs between Douglastown and Seal cove (Bréhaut bay, as marked on Bayfield's map), commencing at the point of rock which bounds the cove on the north, and proceeding northward in descending order.

5. Section of measures exposed in the cliffs going southward from Seal bay (or Bréhaut bay, as marked in Bayfield’s chart of Gaspé and Mal bays) commencing near the brook in the centre of the cove.

6. Section up a deep narrow ravine on the south side of the Northwest arm, about three miles above Gaspé, and one mile higher up than the second sandy beach above the basin.

7. Section of the same measures collected lower down, just above the saw mill.

8. Section on the lower side of the trap dyke, between the saw mill and the sandy beach.

†3. (E) Report of Progress for the year 1845-46. Published in English and French, Montreal, 1847. 8vo. pp., English 125, French 137. See note on p. 12.

Contains the following reports:

On the topography and geology of the Ottawa river and some of its tributaries, with notes on economic minerals; tables of levels of the Ottawa river to lake Timiskaming, the Mattawa river to lake Nipissing, lake Nipissing to lake Huron; and meteorological register kept at lake Timiskaming, 1843-44 and 1844-45. (See maps Nos. 26 and 27.) By W. E. Logan.


Appendix. List of various mineral springs met with or reported as existing on the Ottawa and its tributaries, arranged under the heads of sulphurous, saline, and chalybeate. With analyses of iron and lead ores and mineral waters by T. S. Hunt. By W. E. Logan.

†4. (E) Report of Progress for the year 1846-47. Published in English and French, Montreal, 1847. 8vo. pp., English 66, French 70. See note on p. 12.

Contains the following reports:

On the geology and economic minerals of the north shore of lake Superior, with remarks on copper ores and their treatment. By W. E. Logan.

On the geology of the Kaministikwia and Michipicoten rivers. By A. Murray.

Appendix [to report by W. E. Logan]. Statistical tables of copper-mining and copper-smelting in Great Britain from 30th June, 1838, to 30th June, 1846.


Contains the following reports:

On the geology of the country on the south side of the St. Lawrence extending from the vicinity of Montreal and lake Champlain to the Chaudière river, with notes on the economic minerals. By W. E. Logan.

Note: pp. 73-80, on gold, are reprinted in No. 399. The same pages were also published as a separate, reimpaged and repaged. The only copy known is in the library of the United States Geological Survey. See No. 409.


On the topography and geology of portions of the north shore of lake Huron, French river, and the Manitoulin islands. (See maps Nos. 22 and 25.) By A. Murray.

On the examination of various minerals, ores, and mineral waters along the Ottawa river, with analyses. By T. S. Hunt.
Report of Progress for the year 1848-49. Published in English and French, Toronto, 1850. 8vo. pp., English 65 and errata slip, French 70. See note on p. 12.
Contains the following reports:

Summary report of the director. By W. E. Logan.

On an examination of the shores, islands, and rivers of lake Huron, including parts of the east coast of Georgian bay, and the Spanish river. (See maps Nos. 17 and 18.) By A. Murray.

On mineral springs in the valleys of the St. Lawrence and Richelieu; minerals and metallic ores from lake Huron and the Eastern Townships, Quebec, with analyses. By T. S. Hunt.

Contains the following reports and appendix:

On the geology of the vicinity of bay St. Paul and Murray bay, and of the Eastern Townships from the Chaudière river to the Temiscouata Portage road, with notes on economic minerals. By W. E. Logan.

Nors: pp. 67-69, on gold, are reprinted in No. 399.

On soils of localities along the Richelieu and Yamaska rivers, and of Brantford and Chatham; clays from London and Niagara; mineral springs, peat, minerals, and metallic ores; with analyses. By T. S. Hunt.

Appendix. Catalogue of some of the economic minerals and deposits of Canada with their localities. By W. E. Logan.

Nors: Appendix was reprinted in two forms, folio size (one with printed matter on only half the width of page), differing in the caption titles. Issued to obtain additional information regarding economic minerals and localities, and to promote a collection of native economic specimens for the Grand Industrial Exhibition, London, England, in 1851. See Nos. 470 and 471. The references to gold are also reprinted in No. 399.

Catalogue of some of the economic minerals and deposits of Canada, with their localities, Toronto, 20th June, 1850. Folio. pp. 5.


Grand Industrial Exhibition, 1851. Catalogue of some of the economic minerals and deposits of Canada, with their localities: prepared for the purpose of promoting a collection of native specimens, applicable to useful purposes, to be sent to a provincial industrial fair, to be held in Montreal, the second Monday in October, 1850, and a selection from them to the Grand Industrial Exhibition in London in 1851. Toronto, [1850]. Folio. pp. 3.


Report of Progress for the year 1850-51. Published in English and French, Quebec, 1852. 8vo. pp., English 54, French 56. See note on p. 12.
Contains the following reports:

On the gold of the Chaudière river and rivière du Loup, and various localities between lake Etchemin and Sherbrooke, Quebec. By W. E. Logan.

Nors: pp. 6-11 are reprinted in No. 399.

On the geology of the peninsula bounded by lakes Huron, St. Clair, and Erie. By A. Murray.

On minerals from Leeds, Lanark, and Carleton counties, Ontario; Grenville and Calumet island, Quebec; and mineral waters from various localities in Ontario and Quebec; with analyses. By T. S. Hunt.
Report of Progress for the year 1851-52. Published in English and French, Quebec, 1852. 8vo. pp., English 122, French 129. See note on p. 12.
Contains the following reports:
On the geology of parts of the counties of Beauharnois and Lake of Two Mountains; gold washing on rivière du Loup; various economic materials; and on the collection sent to the Industrial Exhibition of 1851 (London), including a catalogue of the Canadian minerals shown at this exhibition. By W. E. Logan.

NOTE: pp. 40, 21-27, and 121, on gold, are reprinted in No. 399.

On the geology of the region between the Ottawa, the St. Lawrence, and the Rideau rivers, with notes on economic minerals. By A. Murray.

On rocks, clays, soils, ores, and mineral waters from the Richelieu river; St. Nicholas; Kamouraska county; Quebec; and various other localities; with analyses. By T. S. Hunt.

Contains the following reports:
On the geology of the north shore of the St. Lawrence between Montreal and cape Tourmente below Quebec, with notes on economic materials from various localities in this area, the Eastern Townships, etc. By W. E. Logan.

NOTE: pp. 70-71, on gold, are reprinted in No. 399.

On the geology of the country north of lake Ontario, in a general line between the neighbourhood of Kingston and that of lake Simcoe. By A. Murray.

On mineral waters of Chambly, St. Ours, the Jacques Cartier river, Nicolet, and La Baie, Que.; minerals and iron ores from Ontario and Quebec; with analyses. By T. S. Hunt.

Report of Progress for the years 1853-54-55-56. Published in English and French, Toronto, 1857. 8vo. pp., English iv, 494, French iv, 509. With maps Nos. 12 to 15, and 4 other illustrations. Accompanied by an atlas (No. 16) containing maps Nos. 17 to 38. See note on p. 12.
Contains the following reports:
Summary report of the director. By W. E. Logan.

On the geology and economic minerals of parts of the counties of Argenteuil, Terrebonne, and Montcalm, Quebec; and on the preparation of the geological map of Canada. With map No. 12 and 2 other illustrations. By W. E. Logan.


Report for the year 1854. On the geology and topography of the valley of the Maganatawan river and parts of the south and east shores of lake Nipissing, with several of their more important tributary streams and adjoining lakes. With maps Nos. 15, 24, 26 to 29. By A. Murray.

Report for the year 1855. On fossiliferous rocks of Western Canada, and on the geology and topography of part of the west coast of lake Nipissing and south channel of French river. With maps Nos. 21, 24, 25, 26. By A. Murray.


Report for the year 1856. On fossils from Anticosti, and on new species of fossils from the Silurian rocks of Canada (chiefly from the vicinity of Ottawa, Montreal, and Quebec). With errata slip. By E. Billings.
Report for the year 1853. On the geological distribution of mineral waters of Canada; waters of the St. Lawrence and Ottawa rivers; limestones and dolomites from Ontario; fossil shells, etc.; assays of galena and gold. By T. S. Hunt.

Note: pp. 370-371, on gold, are reprinted in No. 399.

Report for the year 1854. On the triclinic feldspars of the Laurentian series; Silurian rocks; and nickel ores; with analyses. By T. S. Hunt.

Report for the year 1855. On the metallurgy of iron; extraction of salts from sea-water; magnesian mortars; purification of plumbago; peat and products derived from it. By T. S. Hunt.


*Accompanying Maps (in the volume):* See also Atlas, No. 16.

12. Plan showing the distribution of crystalline limestones of the Laurentian series in various townships between Grenville and Rawdon. 1856. Scale: 3 miles to 1 inch.

Note: Not issued separately.

13. Plan of the island of Anticosti. Taken from Bayfield's charts. Scale: 9 miles to 1 inch.

Note: Re this map, in the Canadian Journal, May, 1858, No. 15, p. 261, Sir Wm. Logan wrote the following correction: "A, B, C, and D, indicating the divisions of Mr. Richardson's map, are each one place out of position. The narrow division along the north coast should be marked A. The division A, as shown in the map, should be B; B should be C; C should be D; D should be E1; and E should be E2. F is placed correctly. Of course, the base of the Middle Silurian must be removed one place to the north, with the division to which it belongs". The cloth-bound English edition of report contains corrected map.

14. Index to the plans [Nos. 17-27] showing the explorations on the north shore of lake Huron and thence eastward to the Ottawa. Scale: 10 miles to 1 inch.

15. Index of the plans [Nos. 28-38] showing the explorations between the east shore of lake Huron and the Ottawa. Scale: 10 miles to 1 inch.

*Accompanying Atlas:*

16. (E) Plans of various lakes and rivers between lake Huron and the river Ottawa, to accompany the geological reports for 1853-54-55-56. An atlas published in English and French, Toronto, 1857, in two sizes, quarto and large folio. (See also note on p. 12.) Contains plans Nos. 17 to 38 (bearing geological notes) on a scale of 1 mile (80 chains) to 1 inch, lithographed on sheets of 22 by 33 inches (paged consecutively, on back of sheets, 1-22), as follows:

Plans showing explorations on the north shore of lake Huron and thence eastward to the Ottawa:


Note: Includes lake Panache.


Note: Includes coast of lake Huron to pointe des Grondines.


Note: Includes Maskinongé lakes and river.


Note: Includes lower part of French river.
Note: Includes Namanitigong river.
†27. Sheet 11. Topographical plan of the rivers Ottawa and Mattawa. [Surveyed] 1854.

Plans showing explorations between the east shore of lake Huron and the Ottawa river.
Topographical plan of the river Maganataswan. [Surveyed] 1854:
†28. Sheet 1. [From its mouth to Wawaskeesh lake.]
†29. Sheet 2. [Wawaskeesh lake to its source.]
Topographical plan of the rivers Muskoka and Petawawa. [Surveyed] 1853:
†30. Sheet 1. [Muskoka river from lake Huron to Mary lake, and northern part of Muskoka lake.]
†31. Sheet 2. [Muskoka river from Mary lake to Canoe lake.]
†32. Sheet 3. [Headwaters of Muskoka and Petawawa rivers.]
†33. Sheet 4. [Petawawa river, Cedar and Trout lakes.]
†34. Sheet 5. [Petawawa river.]

Topographical plan of the river Bonnechère & S. W. branch of the Madawaska, with a sketch of the headwaters of the Otonabee. [Surveyed] 1853:
†35. Sheet 1. [Bonnechère river from its mouth to Golden lake, and part of Clear lake.]
†36. Sheet 2. [Bonnechère river from Golden to Round lake, Little Madawaska river, lake Kamaniskaak, and York river.]
†37. Sheet 3. [York river to Papineau lake and headwaters of Burnt river.]
†38. Sheet 4. [Drag lake, Kashagawgi lake, Gull river, and Balsam lake.]

†39. (E) Report of Progress for the year 1857. Published in English and French, Toronto, 1858. 8vo. pp., English iv, 240, and errata slip, French 235. With maps Nos. 42 to 45, folding sheet of sections, and 25 other illustrations. See note on p. 12. Contains the following reports:

Summary report of the director. By W. E. Logan.

On the topography and geology of the coast of Georgian bay at the mouths of the French river; on Echo lake and its environs; and on the Huronian limestone near Bruce mine. With map No. 42, and 1 other illustration. (See also map No. 22.) By A. Murray.

On the topography and geology of Magdalen river and part of the Gaspé peninsula from Magdalen river to Gaspé bay; and of lake St. John. With maps Nos. 43, 44, 45, and folding sheet of sections. By J. Richardson.

On the fauna of portions of the lower St. Lawrence, Magdalen, and Saguenay rivers, and lake St. John. With errata slip. By R. Bell.


Description and geology of lake Clear; on the fauna of the Black River limestone; on the Galt limestone, Onondaga and Corniferous limestones; and descriptions of Silurian and Devonian fossils. With 24 illustrations. By E. Billings. See also No. 41.

Note: Reprint of pp. 185-192 of No. 39. Part of the edition has blank covers. Cover-title reads: "Canadian fossils, descriptions of some new genera and species, Silurian and Devonian formations of Canada".

On dolomites and magnesian limestones, and fish remains, with analyses. By T. S. Hunt.

On the longitude of some of the principal places in Canada [Quebec, Toronto, Kingston, Montreal, Windsor, Collingwood, and Ottawa], as determined by electric telegraph in the years 1856-57. Also: Abstract of the telegraphic observations determining the longitudes of several places in North America. By E. D. Ashe.

**Accompanying Maps:**

1. Plan showing the distribution of the Huronian limestone between Root river and Bruce Mines. Scale: 4 miles to 1 inch.

2. Plan showing the distribution of the Devonian and Silurian formations in a part of Gaspé. Scale: 6 miles to 1 inch.
   
   **Note:** Not issued separately.

3. Topographical plan of the Magdalen river. Scale: 40 chains to 1 inch.
   
   **Note:** Not issued separately.

4. Plan showing the distribution of the Laurentian and Lower Silurian rocks in the vicinity of lake St. John. Scale: 4½ miles to 1 inch.
   
   **Note:** Not issued separately.


   Contains the following reports and appendices:

   - On the distribution of Laurentian limestones and drift along the Rouge river; on economic materials from various localities; and a note on the general geological map and report. With map No. 47. By W. E. Logan. See also appendices I, II, and IV.

   - On the topography and geology of the country between the valley of the Thessalon river and the coast of lake Huron, and between the valleys of the Thessalon and the Mississagi. With plan No. 48 and folding section. By A. Murray. See also appendix III.

   - On a portion of the Gaspé peninsula, including an examination of the coast from Marécouin river to rivière du Loup. With plan No. 49. By J. Richardson. See also appendix V.

   - On intrusive rocks from various localities, and some minerals from Silurian rocks, with analyses; and further contributions to the history of magnesian limestones. By T. S. Hunt.


Appendix II. [To report by W. E. Logan.] List of localities showing traces of copper ore in the Lower Silurian rocks of Canada East, more particularly in the magnesian group of Quebec occurring at the summit of the Hudson River formation, and intermediate between what has occasionally been called the Richelieu shales and the Sillery sandstones. The localities are given going from west to east, and the list is intended, not to show workable quantities, but the distribution of the metal in the magnesian rocks. By W. E. Logan.

Appendix III. [To report by A. Murray.] Localities showing copper lodes and traces of copper ore on the Mississagi river, lake Huron. By A. Murray.

Appendix IV. [To report by W. E. Logan.] Catalogue of animals and plants collected and observed in the valley of the river Rouge and the neighbouring townships in the counties of Argenteuil and Ottawa. By W. S. M. D'Urban.

Note: This catalogue does not contain the plants, the manuscript having been lost just before publication. See also No. 463.

Appendix V. [To report by J. Richardson.] Catalogue of animals and
plants collected and observed on the southeast side of the St. Lawrence, from Quebec to Gaspé, and in the counties of Rimouski, Gaspé, and Bonaventure. By R. Bell. See also No. 463.


By W. S. M. D'Urban and R. Bell.

Note: Reprint of Appendices IV and V to Report of Progress, 1858.

Accompanying Maps:

1. Plan showing the distribution of the Laurentian series in the counties of Argenteuil and Ottawa. Scale: 3 miles to 1 inch.

Note: Not issued separately.

2. Plan showing the distribution of the Huronian rocks between rivers St. Mary and Mississagi. Scale: 3 miles to 1 inch.

Note: Not issued separately.

3. Plan showing the distribution of the Devonian and Silurian formations in a part of Gaspé. Scale: 6 miles to 1 inch.

Note: Not issued separately.

Note: Up to 1860 the Reports of Progress were also printed in the Appendices (called Sessional Papers from 1860 on) to the Journals of the Legislative Assembly of the Province of Canada, in English and French. The appendices in which they are to be found are as follows:

*Report of Progress.*

Session 1844-45 vol. IV, Appendix No. 1 (W). 1843.

1846, " V. " No. 3 (G.G.G.). 1844.

1847, " VI. " No. 1 (C). 1845-46 and 1846-47.

1849, " VII. " No. 1 (G). 1847-48.


1852-53, " XI. " No. 3 (O). 1850-51 and 1851-52.

1854-55, " XIII. " No. 8 (L). 1852-53.

1857, " XV. " No. 9 (52). 1853-54-55-56.


1858, " XVI. " No. 7 (32). 1857.


Note: An advance edition of pp. 1-464 of No. 50.


Appendix.

I. A tabular view of the rocks of Great Britain and North America; with notes.

II. A catalogue of the Lower Silurian fossils of Canada.

III. Additional figures of Palaeozoic fossils and figures of some from the recent deposits.

Note: This volume "contains, in a condensed form, the substance of all the previous reports, with much original matter." Cover-title reads: "Geology of Canada, 1863." Observations on gold, pp. 518-520, and 739-745, were reprinted in No. 399.


Appendix.

I. A list of the publications of the Geological Survey of Canada—including Reports of Progress and Contributions to Palaeontology.

II. A table of the variations of the magnetic needle for various stations in British North America in the year 1856.
NOTE: The introduction gives the sources of topographical information, a catalogue of the maps and charts used, and the sources of geological information for the general map of Canada and the adjacent regions (No. 53). Cover-title reads: "Geology of Canada, 1863. Atlas."

Contains the following maps and sections:

53. Geological map of Canada and the adjacent regions, including parts of other British provinces and of the United States. 1865 (dated 1864). Scale: 125 miles to 1 inch.

54. Map showing the distribution of Laurentian rocks in parts of the counties of Ottawa, Terrebonne, Argenteuil, and Two Mountains. 1862. Scale: 7 miles to 1 inch.

55. Map showing the distribution of the Huronian rocks between rivers Batchawana and Mississagi. Scale: 8 miles to 1 inch.

56. Map showing the distribution of rocks belonging to the Potsdam, Quebec, and Trenton groups, on the east side of lake Champlain in the neighbourhood of the line between Canada East and Vermont. Scale: 2 miles to 1 inch.

Five uncoloured sections accompanying map No. 56. Scale: horizontal and vertical, 3 miles to 1 inch.
1. Section on the twenty-ninth lot of St. Armand, Que.
2. Section on the province line, eastward from lake Champlain.
3. Section at Highgate Springs, Vermont.
4. Section near Swanton Falls, Vermont.
5. Section at Smith's lime-works in Swanton, Vermont.

57. Plan showing the distribution of limestone conglomerates in the Quebec group at point Lévis, 1862. Scale: ½ mile to 1 inch.
Uncoloured section accompanying plan No. 57:
Section on the northeast line of the fief Ste. Anne, point Lévis. Scale: ½ mile to 1 inch.

NOTE: Not issued separately.

58. Map showing the distribution of various superficial deposits between lake Superior and Gaspé. Scale: 125 miles to 1 inch.

Four plates of coloured sections, twelve in number, illustrating the geology of Canada and adjacent portions of the United States. Scale: 5 miles to 1 inch.

Contents of plates:

59. Plate I:
Section No. 1. Echo river, lake George, Canada W., to Saginaw bay, Michigan, U.S.
Section No. 1A. Little White river to the mouth of Blind river, lake Huron, Canada W.

60. Plate II:
Section No. 2. Somerville, Canada W., to Nittany valley, Clinton co., Pennsylvania, U.S.
Section No. 3. Eardley, Canada E., to Oswego co., New York, U.S.

61. Plate III:
Section No. 4. Buckingham, Canada E., to East Pierrepont, St. Lawrence co., New York, U.S.
Section No. 5. Chatham, Canada E., to Chateauguay Four Corners, Franklin co., New York, U.S.
Section No. 6. Petite Nation, Canada E. by St. Jerome to provincial boundary line, St. Armand, Canada E.
Section No. 7. Mille Isles to Sheffield mountain, Canada E.

62. Plate IV:
Section No. 8. Shawinigan to Tingwick, Canada E.
Section No. 9. Bourg Louis to St. Etienne, Canada E.
Section No. 10. Ste. Anne des Monts on the river St. Lawrence to the mouth of the Great Cascapedia river, Chaleur bay, Canada E.
Section No. 11. Mingan islands by Anticosti island to cap d'Espoir, Chaleur bay, Canada E.
Report of Progress from 1863 to 1866. Published in English and French, Ottawa, 1867 (dated 1866). pp., English viii, 321, French x, 332.

Contains the following reports:

Summary report of the director. Dated 15th May, 1866. (Contains notes on the Quebec group; the distribution of Laurentian limestones in Ottawa, Argenteuil, Montcalm, and Two Mountains counties, Quebec; on occurrences of Eosoon: on barite, galena, magnetite, hematite, and graphite, in Ottawa and Argenteuil counties, Quebec.) By W. E. Logan.

On the examination of the structure of the Quebec group of rocks in the Eastern Townships with notes on the economic minerals. By J. Richardson.

Report on the gold region of Lower Canada. By A. Michel and T. S. Hunt. Notes: Separate was published under title: "Reports of Mr. A. Michel and Dr. T. S. Hunt on the gold region of Canada, transmitted by Sir W. E. Logan to the Hon. Commissioner of Crown Lands, February 14, 1866." Montreal, 1866. 8vo. pp. 72. Text of Michel's report is in both English and French. The report was also issued by the Crown Lands Department (probably in advance), Ottawa, 1866. 8vo. pp. 28. Text of Michel's report in English only. The report in this form was included in former lists of publications under the number "460," which has now been otherwise assigned.


On the geology of Grand Manitoulin island and the smaller islands immediately adjacent. (See maps Nos. 570 and 605.) By R. Bell.

On the geology and mineralogy of the Laurentian limestones; geology of petroleum and salt; the porosity of rocks; and on peat and its applications. By T. S. Hunt.

Notes: The first part of this report, pp. 181–223, was reprinted, with a few additions, in Appendix E, Report of the Regents of the University on the New York State Cabinet of Natural History for 1867 (published 1871). Copies were distributed by the Survey. See No. 472.


Appendix [to report by J. Richardson]. List of localities in which ores of copper have been met with in rocks of the Quebec group in Eastern Canada.


Notes: Also printed in Sessional Papers, 1869, volume II, No. 5 (40), in English and French. Summarized preliminary reports contained in it are noted under the final reports.

Summary Report on the Geological Survey. Dated 2nd May, 1870. Published in English and French, Ottawa, 1870. 8vo. pp., English 14, French 13. (Contains (in addition to others noted under the final reports) summaries, by the director, of explorations of A. Webster in the St. Maurice River region, Quebec; and of W. McOuat in Ottawa, Montcalm, and Joliette counties, Quebec.) By A. R. C. Selwyn.

Notes: Cover-title reads: "Summary Report of progress in geological investigations." This report was also printed in Sessional Papers 1870, vol. III, No. 6 (80), in English and French. The publication number "117" of French edition was assigned in
former catalogues to report by T. S. Hunt on the Goderich salt region, not published in separate form by the Survey. See Report of Progress for 1876-77.

†68. (E) Report of Progress from 1866 to 1869. Published in English 1870 and French 1871, Montreal. 8vo. pp., English vi, 475, and errata slip, French vii, 340. With maps Nos. 78 to 82, and 1 other illustration. Contains the following reports and postscript:

On the part of the Pictou coal field east of the East river, Nova Scotia. With map No. 82, and 1 other illustration. By W. E. Logan. See also No. 69.

On the part of the Pictou coal field west of the East river, Nova Scotia. By E. Hartley. See also No. 69.

Note: The above two reports and No. 75 were published together as a separate. See No. 69.


Note: For preliminary report, summarized by Logan, see No. 66, also, by Selwyn, see No. 67.

On the topography, geology, and economic materials of the Manitoulin Island group. (See Appendix (No. 77) and maps Nos. 570 and 605.) By R. Bell.

On the country bounded on the northwest by the St. Lawrence and on the southeast by the Quebec Province line, and extending from the Chaudière river to a point beyond Temiscouata Portage road. With map No. 80. By J. Richardson.

Note: For preliminary report, summarized by Logan, see No. 66.

†70. On the geology and economic minerals of parts of Hastings, Addington, and Peterborough counties. With map No. 79. By H. G. Vennor.

Note: Separate was published under title: "Report of Henry G. Vennor on the geology of Hastings county, Ontario, with a map of the region." Montreal, 1870. pp. 31. For preliminary report, summarized by Logan, see No. 66.

On the geology of a part of New Brunswick. With map No. 81. By C. Robb.

Note: For preliminary report, summarized by Logan, see No. 66.

†71. On the Goderich salt region; iron and iron ores; with analyses. By T. S. Hunt.

Note: Separates of each of the two parts of this report were published under titles: "Report on the Goderich salt region," Montreal, 1870. pp. 36. (No. 71), and "Notes on iron and iron ores," Montreal, 1870. pp. 64. With table of contents. (No. 72.)

†72. On a geological examination of the north shore of the lower St. Lawrence from the Saguenay river to the bay of Seven Islands. By J. Richardson.

Note: Separate was published under title: "Report on a geological exploration on the north shore of the lower St. Lawrence." Montreal, 1870. pp. ii, 7.

†73. On the geology and economic minerals of the northwest coast of lake Superior and adjoining country from Pigeon river to Black bay, Black Sturgeon river, Nipigon river, and lake Nipigon. With map No. 78. By R. Bell.

Note: Separate was published under title: "Report on the geology of the northwest side of lake Superior, and of the Nipigon district." Montreal, 1870. pp. 59. Contains also the "Postscript" by W. E. Logan. (See page 16.) For remarks by A. R. C. Selwyn see No. 67.

Notes: Errata slip in separate. For remarks by A. R. C. Selwyn see No. 67.


Note: Separate was published under title: “Notes on coal from Springhill, county Cumberland, Nova Scotia.” No date or place of publication. pp. 11.

Appendix [to report by R. Bell]. On the plants of the Manitoulin islands. By J. Bell.

Note: Includes plants from Bruce Mines, Owen Sound, etc. Separate was published under title: “List of plants of the Manitoulin islands, lake Huron.” Montreal, 1870. pp. 23.

Postscript. Notes on the report of Robert Bell on the Nipigon region. (See No. 74.) By W. E. Logan.

Accompanying Maps:

Map of the Thunder Bay and Lake Nipigon regions. 1869. Scale: 4 miles to 1 inch. (3 sheets.)

Map showing the distribution of the rock formations in parts of the counties of Peterborough, Hastings, Addington, and Frontenac, province of Ontario. Scale: 4 miles to 1 inch.

Map showing the distribution of Lower Silurian rocks between the Chaudière and Trois Pistoles rivers, south side of the river St. Lawrence, province of Quebec. Scale: 8 miles to 1 inch.

Sketch map of the counties of York, Carleton, and part of Victoria, province of New Brunswick. Scale: 8 miles to 1 inch.

Geological map of the Pictou coal-field, province of Nova Scotia. Scale: 1 mile to 1 inch.

Report of Progress for 1870-71. Published in English 1872 (2 editions, one with errata slip), and French 1873, Ottawa. Svo. pp., English vii, 351, and errata slip, French v, 358. Contains the following reports:

Summary report of the director. Dated 1st May, 1871. (Includes extracts from E. Hartley’s correspondence regarding work by him (terminated by his death) in the Pictou and Cape Breton coal-fields, N.S., and at the Albert mine, N.B., and a summary of report by J. Lowe on mapping of Laurentian limestone on the upper waters of the Rouge, North Petite Nation, and Mattawin rivers, on which no further reports by them have been published.)


Note: For remarks by W. E. Logan and A. R. C. Selwyn see Nos. 66 and 67, also 83 (summary report of the director).

Supplementary report on the geology of northwestern New Brunswick. By C. Robb.

Notes and observations on the gold fields of Quebec and Nova Scotia. By A. R. C. Selwyn.

Note: Includes notes by E. Billings on the geological horizon of Eophyton.


Note: For preliminary report (on part of the region), summarized by Selwyn, see No. 67.

The title of the Summary reports in the Reports of Progress from 1870-71 to 1876-77 reads “Summary report of geological investigations”, and in those from 1877-78 to 1883-84 “Summary report of the operations of the geological corps”. As these reports contain also many details regarding the museum, library, publications, etc., they have been listed under the more comprehensive title “Summary report of the director.”
Notes on the phosphate of lime and mica found in North and South Burgess, and North Elmsley (Ontario). By G. Broome.

Report on the country north of lake Superior, between the Nipigon and Michipicoten rivers. By R. Bell.

Report of Progress for 1871-72. Published only in English, Montreal, 1872. 8vo. pp. 154. With maps Nos. 87, 88, and 1 other illustration.

**Note:** Published in English and French in Sessional Papers, 1872. Vol. V, No. 7, Report No. 31, Ottawa, 1873.

Contains the following reports:


Journal and report of preliminary explorations in British Columbia. (Includes report, with analyses, by T. S. Hunt, on silver ore from the Eureka mine, near Fort Hope; coal from the Nicola river; lignites from the Fraser river at the mouth of the Quenel; and volcanic rocks from near Queenel.) By A. R. C. Selwyn.

Report on the coal-fields of the east coast of Vancouver island, with a map of their distribution (No. 87). With "Note by Dr. [J. W.] Dawson on the fossil plants referred to in Mr. Richardson's report" and "Analyses of coals and crystalline rocks from Vancouver island, by Dr. T. S.erry Hunt." By J. Richardson.


Progress report of exploration and surveys in the counties of Leeds, Frontenac, and Lanark, with notes on the gold of Marmora. With "Assays by Dr. B. J. Harrington", map No. 88, and 1 other illustration. By H. G. Vennor.

**Note:** Separate was published under title: "Report on parts of the counties of Leeds, Frontenac, and Lanark, with notes on the gold of Marmora", Montreal, 1873, pp. 24 (renumbered).

Report of progress of geological investigations in New Brunswick. (See maps Nos. 143 to 146.) By L. W. Bailey.


**Note:** Separate has no cover, date, or place of publication.

**Accompanying Maps:**

Map showing the position of the coal fields of Nanaimo and Comox, Vancouver island. Scale: 10 miles to 1 inch.

**Note:** Not issued separately.

Map of the township of Marmora showing the position of the mines now being worked for gold. Scale: 1 mile to 1 inch.

**Note:** Not issued separately.

Report of Progress for 1872-73. Published in English and French, Montreal, 1873. Svo. pp., English xii, 300, French xii, 364. With map No. 90, plans 91, 92, 93, and 14 other illustrations.

Contains the following reports:


Notes of a preliminary geological reconnaissance from lake Superior, by the English and Winnipeg rivers, to Fort Garry. By A. R. C. Selwyn.

Report upon the Acadia iron ore deposits of Londonderry, Colchester county, N.S. With plans Nos. 92 and 93. (See also map No. 836.) By A. R. C. Selwyn.

Notes on samples of iron from the Acadia mines, Nova Scotia. With analyses. By B. J. Harrington.

Report on the coal-fields of Vancouver and Queen Charlotte islands, with a
map of the distribution of the former (No. 90). With 1 illustration and appendices I to IV. By J. Richardson.


Appendix II. On the Mesozoic fossils from British Columbia, collected by James Richardson in 1872. By E. Billings.

Appendix III. The coals of the west coast, iron ores, brine, and crystalline rocks, with analyses. By B. J. Harrington.

Appendix IV. Copy of correspondence relating to the anthracite of the Queen Charlotte islands.


Report of observations on the Carboniferous system of New Brunswick, in the counties of Queens, Sunbury, and a portion of York. With appendix. (See maps Nos. 143 to 146.) By L. W. Bailey and G. F. Matthews, assisted by R. W. Ellis.

Appendix. Return of borings of the Salmon River coal mines. From Dr. A. Gesner's 3rd report to the Legislature of New Brunswick.

Report of operations in boring for coal with the diamond-pointed steam drill at Newcastle Bridge, Queens county, New Brunswick. By R. W. Ells.

Report on the coal mines of the eastern or Sydney coal-field of Cape Breton, N.S. By C. Robb.


Notes on samples of brick-clay from Fort Garry; analyses of serpentine from Abitibi and green mineral from Carboniferous conglomerate, New Brunswick. By E. J. Harrington.

Accompanying Map and Plans:

†90. 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.

†91. Dalhousie iron mine, Lanark county, Ont. Plan and cross-sections. Scale: 50 feet to 1 inch.

†92. Acadia iron mines. Profile on line of ore. Scale: 660 feet to 1 inch.

†93. Plan of Acadia iron mines. Western section. Scale: 400 yards to 1 inch.

†94. Report of Progress for 1873-74. Published in English 1874, and French 1875, Montreal. 8vo. pp., English, xiv, 268, French xiv, 326. With maps Nos. 98, 100, plan No. 99, and 11 other illustrations. Map No. 98, published 1875, is included in French, but was supplied separately for English edition.

Contains the following reports:

Summary report of the director. Dated May, 1874. With appendices I and II. (Includes report of the chemical and mineralogical branches by B. J. Harrington.) By A. R. C. Selwyn.

Appendix I. Correspondence re proposed operations during the ensuing summer. By A. R. C. Selwyn.

Appendix II. Report of operations in Manitoba with the diamond-pointed steam drill, 1873. By W. B. Waud.

Observations in the North West Territory on a journey across the plains from Fort Garry to Rocky Mountain House, returning by the Saskat-

1 See foot-note on p. 16.
chewan river and lake Winnipeg. With 2 illustrations and appendix. See map No. 98. By A. R. C. Selwyn.

Appendix. Memorandum on western coals, iron ore, etc. With analyses. By B. J. Harrington.

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. With appendix. By R. Bell.


Note: The map mentioned in this report was not published.


Report on the exploration and survey of the Springhill coal field, Cumberland county, Nova Scotia. With map No. 100 and 2 sections. (See also maps Nos. 230 and 812.) By S. Barlow.

Notes. For preliminary report, summarized by Selwyn, see summary report of the director in No. 84.


Report on explorations and surveys in Cape Breton, Nova Scotia, with supplementary report on collieries in operation. With appendix. By C. Robb.


Note: Author's name in title of separate is misprinted "G. F. Whiteaves". Separate has table of contents.

Accompanying Maps and Plan:

Sketch survey of the Saskatchewan river from Rocky Mountain House to Cumberland lake. 1875. Scale: 16 miles to 1 inch.

Note: Included in the French, but supplied separately for the English volume.

Plan of a portion of North Burgess, showing position of apatite openings described in Mr. Vennor's report. Scale: ¼ mile to 1 inch.

Index map showing the position of the Spring Hill coal field, and the area to which the reports of Messrs. Scott Barlow and Walter McOuat refer. Scale: 8 miles to 1 inch.

Report of Progress for 1874-75. Published in English and French. Montreal, 1876. 8vo. pp., English xviii, 319, French xvi, 342. With maps Nos. 103 to 106, sheet of sections No. 107, i folding table, and 6 other illustrations.

Contains the following reports:

Summary report of the director. Dated 1st May, 1875. With 1 illustration. (Includes notes by the director on boring operations for coal and water at Rat creek and the vicinity of Fort Ellice, Manitoba, and on Swan river, near Fort Polly, Saskatchewan; on rocks between Rimouski, Que., and Newcastle, N.B.; hematite in Prince Edward Island; Sydney coal-field and Paleozoic rocks of Cape Breton and Wentworth, N.S.; fossil tracks in Potsdam sandstone, Beausharnois, Que.; fossil plants from Mackenzie river, determined by J. W. Dawson; and results of two analyses of coal from Springhill, N.S.) By A. R. C. Selwyn.

1 See foot-note on p. 10.
Report on the country west of lakes Manitoba and Winnipegosis, with notes on the geology of lake Winnipeg. By R. Bell.


Summary report of geological observations in New Brunswick. (See maps Nos. 143 to 146.) By L. W. Bailey and G. F. Matthew.

Second report on the boring operations with the diamond drill at Newcastle Bridge, Queens co., New Brunswick. With records of borings Nos. 2 and 3. By R. W. Ells.


Progress report of explorations and surveys in the rear portions of Frontenac and Lanark counties, together with notes on some of the economic minerals of Ontario. With map No. 103 and 2 sections. By H. G. Vennor.


Observations on the history and statistics of the trade and manufacture of Canadian salt. With tables I to VII. By J. L. Smith.

Table I. Description of salt works with wells.
Table II. Description of salt works without wells.
Table III. Capacity of works and system of manufacture.
Table IV. Capital and labour employed in 1874.
Table V. Quantity and value of salt made in the years 1872 and 1873.
Table VI. Proportion of fine and coarse salt made, with proportions sold in Canadian and United States markets, in the year 1873.
Table VII. Consumption of wood in 1873.


Chemical contributions to the geology of Canada. By G. C. Hoffmann.

Note: Separate bears no date or place of publication.

†102.

†103. Map of Lanark county and parts of Renfrew and Leeds, province of Ontario. Geologically shaded. Scale: 4 miles to 1 inch.
†104. Map showing the distribution of the iron ores of Carleton co., New Brunswick. Scale: 2 miles to 1 inch.
†105. Geological map of the Cape Dauphin district, Cape Breton, Nova Scotia. Scale: ½ mile to 1 inch.
†106. Geological map of the Sydney coal-field, Cape Breton, Nova Scotia. Scale: 1 mile to 1 inch.
†107. Sections of the measures in the Sydney coal-field, Cape Breton, Nova Scotia. Scale: 400 feet to 1 inch.

†569. (F) Contains the following reports:

Summary report of the director. Dated May, 1876. By A. R. C. Selwyn.
Sir William Edmond Logan. [An obituary notice, with biographical sketch.] By B. J. Harrington.


1 See footnote on p. 16.
Appendix II. Notes on some of the fossils collected during the expedition. By J. F. Whiteaves.
Appendix III. List of Coleoptera. By J. LeConte.

Report on the flora and agricultural character of the country traversed from Vancouver island to Carlton on the Saskatchewan. With map No. 112, and appendix. By John Macoun.

Appendix. Catalogue of plants [Saskatchewan, Peace river, Rocky mountains, British Columbia, including Vancouver island.]


Appendix to Mr. George M. Dawson's report. The insects of the Tertiary beds at Quesmel. By S. H. Scudder.

Note: "Appendix to Mr. George M. Dawson's report" omitted and "(British Columbia)" added in cover-title of separate, which bears no date or place of publication. pp. 15.


Boring made on Swan river, near Fort Pelly, in 1875. By A. R. C. Selwyn.

Report on an exploration in 1875 between James bay and lakes Superior and Huron. With postscript on rock specimens from the east coast of Hudson bay; and including notes on fossils from the Grand rapid, Mattagami river, by J. F. Whiteaves. (See maps Nos. 159 and 160.) By R. Bell.

Note: Date in title is misprinted "1865".

Report of geological observations in southern New Brunswick. (See maps Nos. 143 to 146.) By L. W. Bailey and G. F. Matthew, assisted by R. W. Ellis.

Note: The map, publication of which is noted in above report as being deferred, has not been published.


Chemical contributions to the geology of Canada. By G. C. Hoffmann.

Note: No separate was published. By mistake the number "110" was assigned to this report in former lists of publications.

Accompanying Maps:

113. Sketch survey of route from Quesnel Mouth [Quesnel] by Stewart and McLeod lakes to the junction of Smoky river and Peace river (2 sheets). Scale: 6 miles to 1 inch.

112. Map showing the route travelled by Prof. John Macoun from the forks of Peace and Smoky rivers to Carlton House, Saskatchewan river. Scale: 40 miles to 1 inch.

111. Geological map of the Sydney coal-field, Cape Breton, Nova Scotia. Scale: 1 mile to 1 inch. See also maps Nos. 652 and 653.


Contains the following reports and an index:

Summary report of the director. Dated May, 1877. (Includes brief notes by the director on his preliminary examination of the coast from Little Metis to river Pierre on the gulf of St. Lawrence, to ascertain the true relations of the Quebec group.) By A. R. C. Selwyn.

Report on explorations in British Columbia, chiefly in the basins of the Blackwater, Salmon, and Nechako rivers, and on Francois lake. With map No. 120 and 7 other illustrations. By G. M. Dawson.

1 See foot-note on p. 16.
Report of a reconnaissance of Leech river and vicinity. (Made in April, 1876.) By G. M. Dawson.

†115. General note on the mines and minerals of economic value of British Columbia, with a list of localities. (Reprinted, with additions and alterations, from the Canadian Pacific Railway report, 1877.) pp. 47. By G. M. Dawson.

NOTE: Separate bears no date or place of publication.


NOTE: Separate has no cover, date, or place of publication.


Report on geological researches north of lake Huron and east of lake Superior. (See map No. 159.) By R. Bell.

The Goderich salt region and Mr. Attrill’s exploration. With 1 illustration. (From the Proceedings of the American Institute of Mining Engineers, vol. V.) By T. S. Hunt.

NOTE: The number “117” was assigned in former catalogues to separate (identical in subject matter with above report but without the section, and with a table of contents) from Proceedings of the American Institute of Mining Engineers, Easton, Pa., 1877, pp. 28, of which the Geological Survey had copies for distribution. The number has now been otherwise assigned.

Progress report of explorations and surveys made during the years 1875 and 1876 in the counties of Renfrew, Pontiac, and Ottawa, together with additional notes on the iron ores, apatite, and plumbago deposits of Ottawa county. With map No. 122. By H. G. Vennor.

NOTE: For preliminary report see summary report of the director in No. 108.

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. (See map No. 143.) By G. F. Matthew.


Appendix I. Composition of albrite, as compared with coal and asphalt.


Report on the geology of part of the counties of Victoria, Cape Breton, and Richmond, Nova Scotia. With map No. 124 and 5 other illustrations. By H. Fletcher.


NOTE: Separate bears no date or place of publication.

Notes on miscellaneous rocks and minerals. With 3 folding tables of coal analyses. By B. J. Harrington.

†119. Chemical contributions to the geology of Canada. On Canadian graphite. (Contains also analyses of graphite from Ceylon and the United States; and notes, with analyses, on orthoclase from Buckingham, Que.) By G. C. Hoffmann.

NOTE: Separate was published under title: “Report on Canadian graphite, with special reference to its employment as a refractory material”. Montreal, no date. pp. iv, 24. With table of contents.

Accompanying Maps:

†120. Geological map of a portion of British Columbia between the Fraser river and the Coast range. (1878.) Scale: 8 miles to 1 inch.
†121. 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 inlet. [1878.] Scale: 4 miles to 1 inch.

Note: The above two maps were also issued in a separate envelope.

†122. Map showing the distribution of the phosphate of lime rocks and the position of the most important mines in Ottawa county, province of Quebec. [1878.] Scale: 4 miles to 1 inch.

†123. Geological map of the Lower Carboniferous rocks of Albert and Westmorland counties, New Brunswick, showing the distribution of the Albert shales. [1878.] Scale: 1 mile to 1 inch.

†124. Geological map of part of Cape Breton [Grand Narrows sheet], Nova Scotia. [1878.] Scale: 1 mile to 1 inch.

125. (E) Report of Progress for 1877-78. Published in English 1879, and French (not dated). Montreal. 8vo. pp., English xxiv, 518, French xxiii, 598. With folding sheet of sections and 37 other illustrations. Accompanied by separate portfolio containing maps Nos. 128 to 131. Map No. 127 with sheet containing explanatory note was also issued in 1880, in separate envelope, to accompany this report.

Note: The system of designating the individual reports by letters of the alphabet was commenced in this volume.

Contains the following reports:

Summary report of the director, from 1st May to 31st December, 1878. By A. R. C. Selwyn.

(A) Report of observations on the stratigraphy of the Quebec group and the older crystalline rocks of Canada. By A. R. C. Selwyn.

(B) Preliminary report on the physical and geological features of the southern portion of the interior of British Columbia, 1877. With folding sheet of sections, 13 other illustrations, and appendices A and B. See map No. 127, published separately in 1880. By G. M. Dawson.

Note: The sheet of sections is missing in some copies of the volume.

Appendix A. The fossil insects collected in 1877 by Mr. G. M. Dawson, in the interior of British Columbia. By S. H. Scudder.

Appendix B. List of Tertiary plants from localities in the southern part of British Columbia, with the description of a new species of Equisetum. By J. W. Dawson.

(C) Report on an exploration of the east coast of Hudson bay, 1877. With map No. 128, and 9 other illustrations. (Includes list of fossils collected between the Long portage of the Missinaibi branch of the Moose river and Moose Factory, by J. F. Whateaves; and survey of the Abitibi river by A. S. Cochrane.) See also map No. 150. By R. Bell.

(CC) Report on the country between Lake Winnipeg and Hudson bay, 1878. With maps Nos. 129, 130, and 5 other illustrations. By R. Bell.

(D) Report on the pre-Silurian rocks of Albert, eastern Kings, and St. John counties, southern New Brunswick. 1877-78. (See maps Nos. 144 and 145.) By R. W. Ells.

(DD) Report on the pre-Silurian (Huronian) and Cambrian or primordial Silurian rocks of southern New Brunswick. 1877-78. (See map No. 144.) By L. W. Bailey.

(E) Report on the Upper Silurian and Kingston (Huronian) of southern New Brunswick. 1877. (See map No. 144.) By G. F. Matthew.


1 See foot-note on p. 16.

Note: The number "414" was assigned by mistake in former catalogues to "Summary of the mineral production of Canada for 1880", which was never issued.


Note: For remarks by A. R. C. Selwyn see summary report of the director above. Separate has a table of contents.

Accompanying Maps:


Note: Published separately to accompany report B. See also map No. 363.

128. Map of part of the east coast of Hudson bay. [1879.] Scale: 4 miles to 1 inch. See part C.

129. Map of lake Winnipeg. 1879 (dated 1878). Scale: 8 miles to 1 inch. See part CC.

130. Map of Nelson river and the boat route between lake Winnipeg and Hudson bay. Scale: 8 miles to 1 inch. Also includes: Plan of mouth of Hayes river and vicinity of York Factory. [1879.] Scale: 1 mile to 1 inch. See part CG.

131. Geological map of part of Cape Breton [Louisburg sheet], Nova Scotia 1879. Scale: 1 mile to 1 inch. See part F.

132. Report of Progress for 1878-79. Published in English 1880, and French (not dated), Montreal. 8vo. pp., English xiv, 394, French xiv, 450. With maps Nos. 139 to 142, and 59 other illustrations. Accompanied by cylinder containing map-sheets Nos. 143, 144, 145, and sheet of sections No. 146. Contains the following reports:

Summary report of the director,\(^1\) from 1st January to 31st December, 1879. By A. R. C. Selwyn.

Note: Slip inserted with note on the Chazy formation.


Appendix B. Vocabulary of the Haida Indians of the Queen Charlotte islands. By G. M. Dawson.


Note: Separate bears no date or place of publication.

Appendix E. Plants collected in the Queen Charlotte islands, 1878. By John Macoun.

Appendix F. Meteorological observations on the coast of British Columbia, May 28 to October 17, 1878. By G. M. Dawson.

Appendix G. Notes on the latitudes and longitudes adopted in the construction of the map of the Queen Charlotte islands. By H. T. Bovey and W. B. Dawson.


\(^1\) See foot-note on p. 13.
map 142, 6 other illustrations, appendices I to VII, and table of contents (in separate). By R. Bell.

Appendix I. 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. By J. F. Whitesaves.

Appendix II. List of plants collected by Dr. R. Bell around the shores of Hudson bay and along the Churchill and Nelson rivers in 1877 and 1879. By John Macoun.


Appendix IV. List of Lepidoptera from the Nelson and Churchill rivers and the west coast of Hudson bay. By W. Geffcken.

Appendix V. List of Coleoptera collected by Dr. R. Bell in 1879, on the Nelson and Churchill rivers. By J. L. LeConte.

Appendix VI. List of birds from the region between Norway House and Forts Churchill and York. By R. Bell.

Appendix VII. Variation of the compass. By R. Bell.


Accompanying Maps, Plans, and Sections:

139. Map of the Queen Charlotte islands. [1880.] Scale: 8 miles to 1 inch. See part B.

†140. Sketches of harbours, Queen Charlotte islands, 1878. [1880.] Scale: 2 nautical miles to 1 inch. See part B.

†141. Geological map of Skidegate inlet, Queen Charlotte islands. [1880.] Scale: 1 nautical mile to 1 inch. See part B.

†142. Map of Island and Gods lakes, and of the connecting waters to Oxford lake. 1880 (dated 1879). Scale: 4 miles to 1 inch. See part C.

143. Map-sheet 1 S.W. [St. Stephen sheet]. Province of New Brunswick. 1880. (Comprises Charlotte county, parts of St. John and Kings counties, and Grand Manan island.) Scale: 4 miles to 1 inch. See part D.

Notes: For surface geology see map No. 317.

144. Map-sheet 1 S.E. [St. John sheet]. Province of New Brunswick. 1880. (Comprises parts of St. John and Kings counties.) Scale: 4 miles to 1 inch. See part D.

Notes: For surface geology see map No. 318.

145. Map-sheet 1 N.E. [Grand Lake sheet]. Province of New Brunswick. 1880. (Comprises parts of Sunbury, Queens, Kings, Albert, and Westmorland counties.) Scale: 4 miles to 1 inch. See part D.

Notes: For surface geology see map No. 319.

146. Sections to illustrate sheets Nos. 1 S.W., 1 S.E., and 1 N.E., 1880. (A coloured sheet to accompany maps Nos. 143, 144, and 145). Scale: 2 miles to 1 inch. See part D.

Notes: Map-sheets Nos. 143, 144, 145 and sheet of sections No. 146 were not issued with French edition of report.


Contains the following reports:

Summary report of the director from 1st January to 31st December, 1880. (Contains statement by H. G. Vennor, in anticipation of a final report (not furnished), of general conclusions regarding the anorthosites and limestones in Argenteuil, Terrebonne, and Moisescalm counties, Quebec;
and summary, by the director, of explorations of L. R. Ord and R. G. McConnell in Berthier, Maskinongé, and St. Maurice counties, Quebec.) By A. R. C. Selwyn.

(A) Report on boring operations in the Souris River valley, 1880. With 1 illustration and appendices I and II. By A. R. C. Selwyn.


Appendix II. Note on fossil plants collected by Dr. Selwyn, in the Lignite Tertiary formation of Roche Percée, Souris river. By J. W. Dawson.

(B) Report on an exploration from Port 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. 1879. (Includes a description of the geology of the region between the 54th and 56th parallels, from the Pacific coast to Edmonton.) With map in 3 sheets Nos. 150, 151, 152, 8 other illustrations, and appendices I, II, and III. (See also maps Nos. 594, 595, 596.) By G. M. Dawson.

Note: Portions of this report, with greater detail, were published in advance in the Canadian Pacific Railway report for 1880, Appendix No. 7, under title: "Report on the climate and agricultural value, general geological features and minerals of economic importance of part of the northern portion of British Columbia and of the Peace River country." pp. 25. Copies were distributed by the Geological Survey.

Appendix I. List of plants collected in the northern part of British Columbia and the Peace River country, 1879. By John Macoun.

Appendix II. Meteorological observations in the northern part of British Columbia, the Peace River district, and from Edmonton to Manitoba, June 7 to November 28, 1879. By G. M. Dawson.

Appendix III. Note on the latitudes and longitudes used in preparing a map of the region from the Pacific coast to Edmonton. Observations by G. M. Dawson and C. Horetsky (not "Horetzky"), 1879, and A. Webster, 1875.

Note on the distribution of some of the more important trees of British Columbia. With map No. 149. By G. M. Dawson.

Note: This was first published, with the map, in the Canadian Naturalist (new series), vol. IX, No. 6, 13th August, 1880, and is reprinted here with corrections and additions.

(C) Report on Hudson bay and some of the lakes and rivers lying to the west of it. With appendices I to XI, map No. 153, and 11 other illustrations.

By R. Bell.

Appendix I. List of fossils collected by Dr. R. Bell in Manitoba during the season of 1880. By J. F. Whiteaves.

Appendix II. List of plants collected in 1880. By John Macoun.

Appendix III. List of Coleoptera collected in 1880 in Manitoba, and between lake Winnipeg and Hudson bay. By J. L. LeConte.


Appendix V. Analysis of the waters of Hayes and Nelson rivers. By W. Dittmar.

Appendix VI. York Factory. Seasonal or periodic events. By W. Wood.

Appendix VII. York Factory. Table showing dates of the opening and closing of Hayes river, at York Factory, compiled from authentic records by Mr. W. Wood, meteorologist, York Factory.

Appendix VIII. York Factory. Dates of the arrivals of the Hudson's Bay Company's vessels at York Factory, and of their sailings, for 93 years, from 1789 to 1880, both inclusive. By J. Fortescue.

Appendix IX. Moose Factory. Seasonal or periodic events. By J. R. Nason.

Appendix X. Moose Factory. Dates of the arrivals of the Hudson's Bay Company's vessels at Moose Factory, and of their sailings, for 147 years—1735 to 1880, both inclusive. By W. Armit.
Appendix XI. Statistics of the weather for two years at York and Moose Factories, Hudson bay. By W. Wood and J. R. Nason.


(F) Report on part of the counties of Richmond, Inverness, Guysborough, and Antigonish, Nova Scotia, 1881. With 3 illustrations. (See maps Nos. 200 to 207, and 378.) By H. Fletcher.

Note: See remarks by the director in his summary report.


Appendix. List and notes of plants collected by Mr. Richardson on the Magdalen islands. Dated Belleville, Ont., May 23rd, 1881. By John Macoun.


Accompanying Maps:

†148. Map illustrating the distribution of some of the more important trees in British Columbia. [1881.] Scale: about 47 miles to 1 inch.

See "Note, etc." by G. M. Dawson.

†149. Map of part of British Columbia and the North West Territory, from the Pacific ocean to Fort Edmonton. [1881.] Scale: 8 miles to 1 inch.

In three sheets, as follows: See part B.

†150. Sheet I. [Comprises Fort Simpson to Fort St. James.]

†151. Sheet II. [Comprises Fort St. James to Dunvegan.]

†152. Sheet III. [Comprises Dunvegan to Edmonton.]

†153. Map showing the general northern limits of the principal forest trees of the Dominion of Canada [east of the Rocky mountains]. 1881. Scale: 50 miles to 1 inch.

See part C.

154. (E) Report of Progress for 1880-81-82. Published in English 1883, and French (not dated), Montreal. 8vo. pp., English xvii, 250, French xvi, 266. With index to colours and signs No. 157, map No. 158, plan No. 160, and 11 other illustrations. Accompanied by separate portfolio containing maps Nos. 159, and 161 to 166.

Contains the following reports:

Summary reports of the director for the calendar years 1881 and 1882. (Contains, in addition to preliminary reports noted elsewhere under the final reports, the following in the summary report for 1882: Summary, by the director, of explorations by A. S. Cochrane east and north of lake Winnipeg; also notes of the director on an examination of some mines on lake Superior and of its north shore from Kaministikwia river to Echo lake, and on explorations on White Mud and Souris rivers, Manitoba.) By A. R. C. Selwyn.

Geological nomenclature and the colouring and notation of geological maps. With index to colours and signs, No. 157. By A. R. C. Selwyn.

Note: This is a reprint, with slight textual difference, of a communication printed by the author for presentation to the International Geological Congress, Bologna, August, 1881, and dated Ottawa, 29th August, 1881.

(A) Notes on the geology of the southeastern portion of the province of Quebec. Dated May, 1883. With 1 illustration, and appendix. By A. R. C. Selwyn.


Note: Separate has no cover-title, date, or place of publication.

(B) Preliminary report on the geology of the Bow and Belly Rivers region, N. W. Territory, with special reference to the coal deposits. With map No. 158 and 3 other illustrations. By G. M. Dawson.

†155. See foot-note on p. 16.
Note: This report is essentially a reprint, with additions and corrections, of a note published May, 1882, in advance of the Report of Progress. See No. 408.


(C) Reports on the geology of the basin of the Moose river and of the Lake of the Woods and adjacent country. 1881. With appendices I and II. By R. Bell.


II. On the geology of the Lake of the Woods and adjacent country. With map No. 161.

Appendix I. Catalogue of the plants collected by Dr. Robert Bell along the Michipicoten river and in the southern part of the basin of Moose river, in July, August, and September, 1881. By John Macoun.

Appendix II. Lists of Coleoptera collected in 1881 by Dr. Bell and others, in the Lake Superior district and in the North-West Territories, east of the 112th meridian and south of the 60th parallel. By J. L. LeConte.

(D) Report on the geology of northern and eastern New Brunswick and the north side of the bay of Chaleur. With maps Nos. 162 to 166, and 1 other illustration. By R. W. Ells.

Note: For remarks by A. R. C. Selwyn see summary report of the director (for 1882) above.

(DD) Report on the geological formations in the Gaspé peninsula. 1882. With maps Nos. 164, 165, and 4 other illustrations. (See also maps Nos. 175, 181, 182, 183.) By R. W. Ells.

(GG) Notes on some of the mines in the province of Quebec. 1882. By C. W. Willimott.


Accompanying Maps and Plans:

157. Index to the colours and signs employed in the maps and sections of the Geological Survey of Canada. 1881.

158. Index map of coal and lignite outcrops, Bow and Belly River district. 1883. Scale: 10 miles to 1 inch. See part B.

159. Map showing approximately the geology of the basin of Moose river and adjacent country. 1883. Scale: 8 miles to 1 inch. See also map No. 304. See part C.I.

160. Plan of Moose river from the neighbourhood of Moose Factory to James bay. [1883.] Scale: 2 miles to 1 inch. See part C.I. Note: A page containing note by A. R. C. Selwyn accompanies this map in the report.

161. Geological map of the Lake of the Woods and adjacent country. 1881. Scale: 4 miles to 1 inch. See part C.II. The following 5 maps (Nos. 162 to 166) illustrate reports by R. W. Ells, 1879-81. Scale: 4 miles to 1 inch. See part C.II.

162. Map-sheet No. 2 N.E. [Newcastle sheet]. Province of New Brunswick. 1882. (Comprises parts of Northumberland and Gloucester counties.) See part D.

Note: For surface geology see map No. 299.

163. Map-sheet No. 2 S.E. [Richibucto sheet]. Province of New Brunswick. 1882. (Comprises parts of Kent, Westmorland, Queens, Sunbury, York, and Northumberland counties.) See part D.

Note: For surface geology see map No. 562.

164. Map-sheet No. 3 S.W. [Dalhousie sheet]. Province of New Brunswick and part
of Quebec. 1882. (Comprises parts of Restigouche county, N.B., and Bonaventure, Rimouski, and Matane counties, Que.)

See parts D and DD.

Note: For surface geology see map No. 252.

†165. Map-sheet No. 3 S.E. [Bathurst sheet]. Province of New Brunswick and part of Quebec. 1882. (Comprises parts of Restigouche and Gloucester counties, N.B., and Bonaventure and Gaspe counties, Que.)

See parts D and DD.

Note: For surface geology see map No. 253.

†166. Map-sheet No. 6 S.W. [Shippigan sheet]. Province of New Brunswick. 1882. (Comprises part of Gloucester county.)

See part D.

Note: For surface geology see map No. 288.

167. (E) Report of Progress for 1882-83-84. Published in English 1885, and French (not dated), Montreal. 8vo. pp., English xxxvii, 763, French xxvi, 803. With 3 folding sheets of sections (including No. 170), 3 folding tables of analyses; and 18 other illustrations. Accompanied by separate portfolio containing maps Nos. 171, 172, 173, panoramic view No. 208; and by cylinder containing maps Nos. 174 to 207.

Contains the following reports:

Summary report of the director1 for the calendar year 1883, and observations on the work of 1884. (The report for 1883 contains (in addition to preliminary reports noted elsewhere under the final reports) notes by the director on his examination of the Huronian mine, Jackfish lake, Thunder Bay district, Ontario, and of the Souris River coal-areas, Manitoba; a summary by R. Bell of explorations on Lake of the Woods, and Wabigoon lake to Red lake, via lac Seul, Ontario, and on lake Winnipeg and Winnipeg river; also notes by the director on a boring for oil near Three Rivers, Quebec. The observations on the work of 1884 include comments on the "Report of the Select Committee of the House of Commons on Geological Surveys", published during that year.) By A. R. C. Selwyn.


(C) Report on the region in the vicinity of the Bow and Belly rivers, North West Territory; embracing the country from the base of the Rocky mountains eastward to long. 110° 45', and from the 49th parallel northward to latitude 51° 20'. With maps Nos. 171 and 172, 2 folding sheets of sections, 10 other illustrations, and appendices I, II, and III. By G. M. Dawson, assisted by R. G. McConnell.


Appendix II. Blackfoot names of a number of places in the North West Territory, for the most part in the vicinity of the Rocky mountains, by J. C. Nelson.

Appendix III. Partial analyses of clay ironstone derived from the rocks of the district embraced by the foregoing report. By G. C. Hoffmann.

Note: Pages 139 to 152 of this report (C) were published as a separate. See No. 475. The fossils of the area are described in No. 442. For preliminary reports see No. 408; part B in No. 154; and reports of director (for 1881 and 1882) in No. 154, and in No. 167 (for 1883).


(CC) Report on part of the basin of the Athabaska river, North West Territory. With map No. 173, 4 other illustrations, and appendix. By R. Bell.

1 See foot-note on p. 16.
Appendix. List of *Lepidoptera* collected in the North West Territories by Dr. Robert Bell in 1882. By H. H. Lyman.

*Note:* For preliminary report, summarized by Selwyn, see summary report of director (for 1882) in No. 154.


*Note:* Separate has no cover-title.

(DD) Observations on the geology, mineralogy, zoology, and botany of the Labrador coast, Hudson strait and bay. With 2 illustrations and appendices I to V. By R. Bell.

Appendix I. List of plants collected on the coasts of Labrador, Hudson strait and bay, by Dr. Robert Bell in 1884. By John Macoun.

Appendix II. List and notes of mammals of the vicinity of Hudson bay and Labrador. By R. Bell.

Appendix III. List and notes of birds of the vicinity of Hudson bay and Labrador. By R. Bell.

Appendix IV. List of *Crustacea* from Port Burwell, collected by Dr. R. Bell in 1884. By S. I. Smith.

*Note:* Second initial of the author's name is erroneously printed "J."

List of marine invertebrates from Hudson strait, collected by Dr. R. Bell in 1884. By J. F. Whiteaves.

Appendix V. List of *Lepidoptera*, collected by Dr. Robert Bell in Hudson strait in 1884. By H. H. Lyman.

List of *Coleoptera* collected by J. R. Spencer at Fort Churchill. By J. B. Smith.


*Note:* For preliminary report see summary report of director (for 1883) above.

(F) Report on explorations and surveys in the interior of the Gaspé peninsula, 1883. With panoramic view No. 208. See maps Nos. 175, 182, 183. By A. P. Low.

*Note:* For preliminary report, summarized by Selwyn, see summary report of director (for 1883) above.


(H) Report on the geology of northern Cape Breton. See maps Nos. 184 to 190. By H. Fletcher.

*Note:* For preliminary reports see summary reports of director (for 1881 and 1882) in No. 154.


*Note:* For preliminary note see summary report of director (for 1883) above.


(L) Report of observations in 1883 on some mines and minerals in Ontario, Quebec, and Nova Scotia. By C. W. Willmott.

(M) Chemical contributions to the geology of Canada. Coals and lignites of the North West Territory. Montreal, 1884, pp. vi, 44. With 3 folding tables of analyses, and table of contents (in separate). By G. C. Hoffmann.


*Accompanying Maps, etc.:*

†68. Sketch sections accompanying report by H. Bauerman. [1885.]

Section from Fort Hope, Fraser river, to Waterton, or Chief Mountain lake, on the Buffalo plains.
Section from point Roberts, on the gulf of Georgia, to Osoyoo~ lake. Scale: horizontal, 10 miles to 1 inch; vertical, 10,000 feet to 1 inch. See part B.

†171. Geological map of the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†172. Map showing wooded and prairie tracts, etc., in the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†173. Map of part of the Athabaska river. 1884. Scale: 8 miles to 1 inch. See part C.

†208. Section from point Roberts, on the gulf of Georgia, to Osoyoo~ lake. Scale: horizontal, 10 miles to 1 inch; vertical, 10,000 feet to 1 inch. See part B.

†171. Geological map of the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†172. Map showing wooded and prairie tracts, etc., in the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†173. Map of part of the Athabaska river. 1884. Scale: 8 miles to 1 inch. See part C.

†208. Section from point Roberts, on the gulf of Georgia, to Osoyoo~ lake. Scale: horizontal, 10 miles to 1 inch; vertical, 10,000 feet to 1 inch. See part B.

†171. Geological map of the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†172. Map showing wooded and prairie tracts, etc., in the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†173. Map of part of the Athabaska river. 1884. Scale: 8 miles to 1 inch. See part C.

†208. Section from point Roberts, on the gulf of Georgia, to Osoyoo~ lake. Scale: horizontal, 10 miles to 1 inch; vertical, 10,000 feet to 1 inch. See part B.

†171. Geological map of the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†172. Map showing wooded and prairie tracts, etc., in the region in the vicinity of the Bow and Belly rivers, embracing the southern portion of the district of Alberta and part of Assiniboia, North West Territory. 1884. Scale: 8 miles to 1 inch. See part C.

†173. Map of part of the Athabaska river. 1884. Scale: 8 miles to 1 inch. See part C.

†208. Section from point Roberts, on the gulf of Georgia, to Osoyoo~ lake. Scale: horizontal, 10 miles to 1 inch; vertical, 10,000 feet to 1 inch. See part B.

Contains, in addition to preliminary reports noted elsewhere under the final reports:

Notes of the director on the Zenith zinc mine, near Rossport, Ont.; on some Cretaceous rocks with indications of oil, along the Assiniboine river, Manitoba; and on the Rabbit and Silver Mountain mines near Port Arthur, Ont.

Work of E. Cotte in Hastings, Peterborough, and Victoria counties, Ontario, summarized by the director.

Notes on an examination of the north shore of the St. Lawrence river below Quebec. By J. C. K. Laffamme.

The individual reports included in the Summary Reports from 1885 to 1900, inclusive, like those previous to 1888, bear no titles. Descriptive titles for reports (or portions of reports), other than those preliminary to a final report, are necessary in order to call attention to the contents and to list them in the Finding Lists and part XVII of this Catalogue. Such titles have, therefore, been devised and inserted. Frequently, the reports have been summarized by the director, or by an assistant director, and do not appear in the authors' own words. A distinction, therefore, has been carefully drawn, in the wording of the inserted titles, between these two classes of reports.
Remarks by the director on the museum of the Geological Survey.

Note: This is the first of the summary reports of the Geological Survey, forming part III of the Annual Reports of the Department of the Interior, to be reprinted and issued in advance by the Survey as a separate. Also appears with the summary report for 1884 in part A, Annual Report, 1885.

210. (E) Annual Report (new series), volume I, 1885. Published in English and French, Montreal, 1886. 8vo. pp., English xiii, 834, French xii, 858. With maps Nos. 224, 229, 39 other illustrations, and folding sheet of sections (issued separately). Accompanied by portfolio containing maps Nos. 223, 225, 226, 228, 239, 231, also by map No. 227 (issued 1887 in separate envelope).

Note: Commencing with this volume, which was made the first of a new series, the title of the volumes of reports was changed from 'Report of Progress' to 'Annual Report.' Each report, English edition only, was also published separately in advance. Contains the following reports and an index:

211. (A) Summary Report of the operations of the Geological Survey for the years 1884 and 1885. Montreal, 1886 (dated 1885). pp. 108. By A. R. C. Selwyn. The report for 1884 contains the following, in addition to preliminary reports noted elsewhere under the final reports:

- Notes of the director of examinations along the main line of the Canadian Pacific railway from Ottawa to Pogamasing, with description of the occurrence of copper sulphide ore near Sudbury, Ontario.
- Investigations in the gold and iron-bearing region in Hastings and Peterborough counties, Ontario, and in the Eastern Townships, Quebec. By E. Coste (partly summarized by the director).
- An account, by the director, of the organization of the Lake Mistassini expedition, with extracts from letters received from A. P. Low and F. H. Bigell.
- Notes on explorations in the Lake St. John region, Quebec. By J. C. K. Lafalame.
- Notes on an examination of the anorthosite area north and east of lake St. John, Quebec. By F. D. Adams.
- Remarks by the director relating to mineral statistics and mines and the economic bearing of the work of the Survey.

Note: Contents specially noted for the Summary Report for 1885 are given under No. 209. The text, as reprinted in Part A, is essentially the same as in No. 209, but with some minor differences.


Note: For preliminary report, summarized by Selwyn, see Part A (for 1884), Annual Report, 1885.


Note: The area covered by this report is now included in the southern portions of the provinces of Saskatchewan and Alberta. For remarks by Selwyn see report of the director in No. 167.


Note: Separate has no cover-title.

*See foot-note on p. 32.*

NOTE: Separate has errata slip and notice of forthcoming map. For preliminary reports see summary reports of the director in Nos. 167, and 209 or 211.


Appendix I. List of birds collected at lake Mistassini, 1885. By J. M. Macoun.

Appendix II. List of plants collected at lake Mistassini, Rupert river, and Rupert House, 1885. By J. M. Macoun.

Appendix III. Meteorological observations taken on the route from Betsiamites to lake Mistassini, and at the Hudson Bay post, Mistassini, August 8th, 1884, to August 21st, 1885. By A. P. Low.

NOTE: For preliminary report see No. 209 or 211.

(DD) Observations on the geology, zoology, and botany of Hudson strait and bay, made in 1885. Montreal, 1886 (dated 1885). pp. 27. With map (chart) No. 229, 5 other illustrations, and appendices I and II. By R. Bell.

Appendix I. List of plants collected in Newfoundland in 1885 by Dr. Robert Bell, and: Additional plants from Labrador and Hudson strait. By John Macoun.

Appendix II. Partial list of insects collected in 1885, by Dr. Robert Bell, in connection with the Hudson Bay expedition. Lepidoptera, determined by H. H. Lyman. Coleoptera, determined by G. H. Horn.

NOTE: For preliminary report see No. 209 or 211.


NOTE: For summary by the director see No. 209 or 211. See also maps Nos. 793 to 796, 826, 836, 839, 840.


NOTE: For preliminary report see No. 209 or 211.


NOTE: For summary by the director see No. 211.

(K) Observations on mining laws and mining in Canada, with suggestions for the better development of the mineral resources of the Dominion. Montreal, 1886 (dated 1885). pp. 15. By E. Coste.

NOTE: "Suggestions" by mistake is printed "suggestion" in cover-title of separate.


NOTE: A special edition without "Part M, Annual Report, 1885" on the cover (which differs in colour from the other separate) was also printed, with a table of contents not in the other edition.

Accompanying Maps:

Reconnaissance map of a portion of the Rocky mountains between latitudes 49° and 51° 30'. 1886. Scale: 6 miles to 1 inch. See part B.

Geological map of part of the Cascade coal basin, Rocky mountains. 1886. Scale: 13 miles to 1 inch. See part B.
Geological and topographical map of the Cypress hills, Wood mountain and adjacent country. 1886 (dated 1885). Scale: 8 miles to 1 inch. See part C.

Map showing wooded tracts and character of surface of the Cypress hills, Wood mountain and adjacent country. 1886 (dated 1885). Scale: 8 miles to 1 inch. See part C.

Geological and topographical map of the northern part of the Lake of the Woods and adjacent country. 1887. Scale: 2 miles to 1 inch. See part CC.

Map of lake Mistassini, with geological boundaries. 1886. Scale: 6 miles to 1 inch. See part D.

Chart of the Ottawa islands, Hudson bay, 1885. Published 1886. Scale: 4 miles to 1 inch. See part DD.

Map-sheet No. 4 N. W. [Cumberland coal-field (or Springhill) sheet]. Province of Nova Scotia and part of New Brunswick. 1886. (Comprises parts of Cumberland county, N.S., Westmorland and Albert counties, N.B., with a small part of Prince Edward Island.) Scale: 4 miles to 1 inch. See part E.

Map-sheet No. 2 S.W. [Andover sheet]. Province of New Brunswick. 1886. (Comprises parts of Victoria, Carleton, York, and Northumberland counties.) Scale: 4 miles to 1 inch. See part G.


Annual Report (new series), volume II, 1886. Published in English and French, Montreal, 1887. 8vo. pp., English xv, 1015, French xiv, 1051. With map No. 255, section No. 248, and 20 other illustrations. Accompanied by portfolio containing maps Nos. 247, 249 to 254. An additional portfolio containing maps Nos. 379 to 390, 550, 551 (all for part P) was issued in 1895, but the individual maps were published separately during 1894 and 1895. Maps Nos. 378 (issued 1891), and 565 (issued 1896), were also published to illustrate part P.

Contains the following reports (no French separates) and an index:


Appendix I. Notes on some Mesozoic fossils from various localities on the coast of British Columbia, for the most part collected by Dr. G. M. Dawson in the summer of 1885. By J. F. Whiteaves.

Appendix II. List of plants obtained by Dr. G. M. Dawson on Vancouver island and adjacent coast in 1885. By John Macoun.

Appendix III. Meteorological observations on the coast of British Columbia, June 21st to October 22nd, 1885. [By G. M. Dawson.]

Note: Separate of No. 235 has an errata slip. For preliminary report see No. 209 or 211.

236.


Note: For preliminary report see No. 232 or 234, and for descriptions of fossils, No. 443 (4.B2).

237.

(E) Report on a part of northern Alberta and portions of adjacent districts of Assiniboia and Saskatchewan, embracing the country lying south of the North Saskatchewan river and north of lat. 51° 6', between long. 110° and 115° 15' west. Montreal, 1887. pp. 176. With maps Nos. 249, 250, 5 other illustrations, and appendices I to IV. By J. B. Tyrrell.

Note: The boundaries of Alberta, now a province, have been so extended since the above report was written that the area described lies wholly within its southern part. The maps are not bound in with the separate. For preliminary reports and summaries see Nos. 211 and 232 or 234.

Appendix I. On some fossils from the Cretaceous and Laramie rocks of the Saskatchewan and its tributaries, collected by Mr. J. B. Tyrrell in 1885 and 1886. By J. F. Whiteaves.

Note: The part relating to the Cretaceous species is reprinted, with some additions, in No. 443 (4.B4).

Appendix II. Lists of Lepidoptera collected by J. B. Tyrrell in 1884 and 1885, and D. B. Dowling in 1886. By J. Fletcher.

Appendix III. List of elevations. [By J. B. Tyrrell.]

Appendix IV. Cree and Stoney Indian names for places within the area of the accompanying map. [By J. B. Tyrrell.]

238.


Appendix. Meteorological observations taken on the route from lake Winnipeg to Fort Severn, between Fort Severn and York Factory, and from York Factory to lake Winnipeg. By J. M. Macoun.

Note: For summary report see No. 232 or 234. For descriptions of fossils see No. 950 (5.A9), pp. 275-278.

239.


Appendix. List of Lepidoptera collected in the southern part of Keewatin district, by Dr. R. Bell. Determined by H. H. Lyman and G. D. Hulst.

Note: For summary report see No. 232 or 234. Descriptions of the fossils collected are given in No. 950, part A1, pp. 243-247.

240.

(H) Report on the geology of a portion of the Eastern Townships, relating more especially to the counties of Compton, Stanstead, Beauce, Richmond, and Wolfe. Montreal, 1887. pp. 70, and slip containing additional note. With map No. 251 and 3 other illustrations. (See also map No. 287.) By R. W. Ells.

Note: Map No. 251 is not bound in with the separate. Errata slip in separate. For summary and preliminary report see Nos. 209 or 211, and 232 or 234.

241.


Note: For preliminary report see No. 209 or 211.

Notes: Map is not bound in with the separate. For preliminary reports see Nos. 209 or 211, and 232 or 234.


This report consists of two parts:

Notes: See maps Nos. 378 to 390, 550, 551, 565. Nos. 379 to 390, 550, 551, were issued in a portfolio (1895) to accompany this report. For preliminary reports see summary reports of the director from 1881 to 1886 inclusive (in Nos. 154, 167, 209 or 211, 232 or 234).


(S) Statistical report on the production, value, exports and imports of minerals in Canada during the year 1886 and previous years. Montreal, 1887. pp. ii, 86, and errata slip (in separate). With table of contents (in separate) and an index. By E. Coste.


Accompanying Maps and Sections:

Geological map of the northern part of Vancouver island and adjacent coasts. (First edition). 1887. With inset plans of Koskimo coal area, Lasqueti island, and Nimpkish lake. Scale: 8 miles to 1 inch.

Note: No later edition of this map has been published. See part B.

Section across the Rocky mountains in the vicinity of the Canadian Pacific railway, near the fifty-first parallel. Vertical and horizontal scales 2 miles to 1 inch.

Note: Not issued separately.

Geological map of part of northern Alberta, and portions of the districts of Assiniboia and Saskatchewan, North West Territory. 1887. Scale: 8 miles to 1 inch.

Note: Area described in Alberta is now a part of central Alberta.

See note to part E.

Map showing wooded and prairie tracts &c. in part of northern Alberta, and portions of the districts of Assiniboia and Saskatchewan, North West Territory. 1887. Scale: 8 miles to 1 inch.

Note: See note to No. 249.

Geological map of the Eastern Townships. S.E. quarter-sheet [Sherbrooke sheet]. 1887. Scale: 4 miles to 1 inch.

Note: Sheet bears only title of the complete topographical base map: "Map of a part of the province of Quebec, Dominion of Canada". Plate corrected. The geographical basis for this map, and also for maps Nos. 375, 571, and 665, is the topographical map of the Eastern Townships prepared by the Geological Survey, of which two editions have been published, one by Walker & Miles in 1875, the other by Dawson Bros. in 1883. See Nos. 376 and 377.

Map-sheet No. 3 S.W. [Dalhousie sheet], province of New Brunswick and part of Quebec. 1887. Surface geology. (Comprises parts of Resti-
The following maps of the province of Nova Scotia were published at later dates than the maps in the portfolio accompanying the Annual Report (for details see under No. 233) and illustrate part P:

378. [Part of Guysborough county.] Sheet No. 11 S.W. Province of Nova Scotia. 1891. Scale: 4 miles to 1 inch.


Contains, in addition to preliminary reports noted elsewhere under the final reports:

Notes, by the director, on the Gaspé oil-field; on the cupferious pyrrhotite deposits of Sudbury, Ontario; the silver-lead mines of the Illeillevawet district, British Columbia.

On explorations between the St. Maurice and Batiscan rivers, Quebec, with notes by the director on occurrences of gas and oil in Quebec. By J. C. K. Laf分支机构.


Contains, in addition to preliminary reports noted under the final reports:

Notes, by the director, on the Vermilion gold mine, district of Algoma, Ontario.

Work of A. Bowman in the New Westminster district, British Columbia summarized by the director.

Investigations of the Lèvre River phosphate deposits in Ottawa county, Quebec. (See maps Nos. 1062, 1063.) By E. D. Ingall.


Annual Report (new series), volume III, 1887-88. Published in English, Montreal, and French, Ottawa, 1889. Issued in two parts. 8vo. pp., English xx, 1446, French xxv, 1640. With maps Nos. 274, 280, 281, 282, 285, plate of sections No. 284, folding section, and 75 other illustrations. Accompanied by portfolio containing maps Nos. 275 to 279, 283, 286, 288, 289. Maps Nos. 287, 290, 293, 373, 374, 375 were issued separately, also another portfolio containing maps Nos. 364 to 371 and section No. 372.

Contains the following reports (no French separate) and an index:


Note: Cover of separate is dated 1889. A reprint of Nos. 256 and 257.


Accompanied by separate envelope containing map-sheets Nos. 275, 276, 277. By G. M. Dawson.

Note: See also report No. 629 and map No. 304. For descriptions of fossils see No. 443 (4. B1).


Note: Separate has no cover-title, date, or place of publication.

Appendix III. List of plants collected by Dr. G. M. Dawson in the Yukon district and adjacent northern portion of British Columbia in 1887. By John Macoun.

Appendix IV. Zoology.

List of diurnal Lepidoptera. By J. Fletcher.

1. List of diurnal Lepidoptera collected in the Yukon district and adjacent northern portion of British Columbia.

1See foot-note on p. 32.
2. List of diurnal *Lepidoptera* collected by Mr. W. Ogilvie on Mackenzie river in 1888.

3. List of diurnal *Lepidoptera* collected by Mr. Fredk. Bell at the instance of Mr. R. G. McConnell, at Fort Simpson, Mackenzie river (lat. 61° 52'), 1888.

Fishes, determined from photographs. By T. H. Bean.

Description of a new red-backed mouse (*Kheyomys dawsonii*) from the headwater of Liard river, North West Territories. By C. H. Merriam.

Appendix V. Notes on the lithological character of some of the rocks collected in the Yukon district and adjacent northern portion of British Columbia. pp. 6. By F. D. Adams.

Note: Separate has no cover, date, or place of publication.

Appendix VI. Meteorological observations.

1. Meteorological observations in the Yukon district and adjacent northern part of British Columbia, June 1 to September 19, 1887. [By J. McEvoy.]

2. Observations at Telegraph creek, Stikine river, B.C., during portions of the years 1881 to 1886. By J. C. Callbreath.

3. Observations at Laketon, Dease lake, B.C., during portions of the years 1878 to 1882. By J. Clearihue.

4. Record of temperature at Laketon, Dease lake, B.C., during portions of the years 1886 and 1887. By R. Reed.

Appendix VII. Summary of astronomical observations employed in the construction of the map accompanying this report. (See map No. 274, and map-sheets Nos. 275, 276, 277.) By G. M. Dawson.

Note: For preliminary report see No. 259 or 259. A reprint, without change, of part B (No. 260), omitting the appendices; and of those portions of part D, Annual Report, 1888-89 (No. 295, pp. 13, 14, 21-23, 27-31, 33-55, 115-145) relating to the Porcupine and Yukon rivers, was published in 1898. See No. 629.


263. (C) Report on the geology of the mining district of Cariboo, British Columbia, Montreal, 1888. pp. 49. With maps Nos. 278 to 281, folding section, and 4 other illustrations. By A. Bowman.

Note: A portfolio containing maps Nos. 364 to 371, section No. 372, and a single leaf of explanation entitled: "Note to accompany maps of the principal auriferous creeks of the Cariboo mining district British Columbia," by G. M. Dawson, was issued in 1886 to illustrate this report. The survey and investigation of the district was undertaken at the request and with the co-operation of the Provincial Government of British Columbia during 1885 and 1886. A preliminary report addressed to A. R. C. Selwyn, accompanied by an outline map, was published as a separate at Victoria, B.C., in 1886. A preliminary report on the work of 1886 is contained in the annual report of the Minister of Mines, British Columbia, for 1886. See also summaries in reports Nos. 269, 211, 232, and 234.


Note: For preliminary report see No. 256 or 259. See also report No. 325. Owing to the extension of the boundaries of Manitoba, the district described now lies mainly in southwestern Manitoba with a small part in northeastern Saskatchewan.

266. (H) Report on mines and mining on lake Superior. Part I [all published].
A. History and general conditions of the region. B. Silver mining.
Montreal, 1888, pp. 124, and errata slip. With maps Nos. 285, 286
(in separate envelope), 20 plans and sections of mines, 4 other illustra-
tions, appendices I and II, and supplementary report, (No. 544, not in
the separate). By E. D. Ingall.

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267. (J) Report on explorations in James bay and country east of Hudson
bay, drained by the Big, Great Whale, and Clearwater rivers.
Montreal, 1889 (dated 1888). pp. 94. With 3 illustrations, and appendices I
to IV. By A. P. Low.
Note: Cover of separate is correctly dated 1889.

Appendix I. List of plants collected on the Rupert and Moose rivers,
along the shores of James bay, and on the islands in James bay, during
the summers of 1885 and 1887. By J. M. Macoun.
Appendix II. List of diurnal Lepidoptera and Coleoptera collected by
Mr. J. S. Copter at Moose Factory in 1888, and by Mr. J. M. Macoun
on the south coast and islands of James bay in 1887. Determined by
J. Fletcher.
Appendix III. Notes on the breeding habits of certain mammals, from
personal observations and enquiries from Indians. By 11. Spencer.
Appendix IV. Meteorological observations on James bay in 1887, by
A. R. Cunningham, and on the east coast of Hudson bay in 1888, by
C. H. Macnutt.

Note: For preliminary reports see Nos. 256 and 257, or 259.
See also maps Nos. 585 and 587.

268. (K) Second report on the geology of a portion of the province of Quebec.
Montreal, 1888, pp. 120. With maps Nos. 375 (published 1892), 387 (published 1890),
and appendix. By R. Chalmers.

Appendix. Systematic list of fossils, with localities as referred to in this
report, exclusive of those species obtained in the limestone conglomerate
bands. By H. M. Ami.
Note: Cover-title of separate reads: "Second report on the geology
of a portion of the province of Quebec, relating more especially
to the counties of Megantic, Beauce, Dorchester, Lévis, Bellechasse,
and Montmagny". For preliminary reports see Nos. 256 and 257,
or 259. See also report No. 328.

269. (M) Report on explorations and surveys in portions of northern New
Brunswick and adjacent areas in Quebec and in Maine, U.S.
Montreal, 1889 (dated 1888). pp. 52. With map No. 290. By L. W. Bailey
and W. McInnes.

Note: Map No. 290 is not bound in with the separate. Cover of
separate is dated 1889. For preliminary reports see Nos. 232 or
234, and 236 or 239.

270. (N) Report on the surface geology of northeastern New Brunswick, to
accompany quarter-sheet maps 2 N.E. and 6 S.W. [Nos. 289 and 288].
Note: Maps Nos. 288 and 289 are not bound in with the separate. For preliminary report see No. 232 or 234.


Note: Cover of separate is incorrectly dated 1888.


Note: Includes special articles, "The iron ores and phosphate deposits in the Archean rocks of Canada," by E. Coste (see map No. 574), and "Precious stones," by G. F. Kunz. Separate has a table of contents and index. For summary of field-work see No. 256 or 259.


Accompanying Maps, Plans, and Sections:

†274. Index map of the Yukon district, N.W.T., the northern portion of British Columbia and adjacent regions, to accompany report of George M. Dawson. [1889.] Scale: 60 miles to 1 inch. See part B.

Map of a portion of the Yukon district, North West Territory, with the adjacent northern part of British Columbia. [1889.] Scale: 8 miles to 1 inch. See part B.

In three sheets, as follows:

†275. Sheet I. [Comprises the Stikine river and a portion of the Dease river.]

†276. Sheet II. [Comprises Upper Liard and Frances rivers, and upper portion of Pelly river.]

†277. Sheet III. [Comprises the head of Lynn canal, the Lewes river, and lower portion of the Pelly river.]

Note: A revised edition of this map was published January, 1898, and issued in an envelope to accompany report No. 629. See also index map No. 917.

278. Map of the Cariboo mining district, British Columbia. [1888.] Scale: 2 miles to 1 inch. See part C.

279. Quartz veins and placer mines of Island mountain and Mosquito creek, in Cariboo district, British Columbia. [1888.] Scale: 480 feet to 1 inch. See part C.

280. Detail map of Hixon Creek quartz locations, in Cariboo district, British Columbia. With adjacent placers. [1888.] Scale: 425 feet to 1 inch. See part C.

281. Veins and placer mines of Hixon creek, in Cariboo district, British Columbia. [1888.] Scale: 32 chains to 1 inch. See part C.

Maps of the principal auriferous creeks in the Cariboo mining district, British Columbia, by A. Bowman.

See part C.

Note: In 1895 a portfolio with the above cover-title was issued, containing the following maps and section, with a single leaf of explanation by G. M. Dawson (dated April, 1895), which illustrate Mr. Bowman's report:

364. Map of placer mines and quartz locations in the vicinity of Williams creek, Cariboo district, British Columbia. [1893.] Scale: 10 chains to 1 inch.

365. Map of placer mines and quartz veins in the vicinity of Lightning creek. [1893.] Scale: 15 chains to 1 inch.

366. Placer mines of Antler creek in Cariboo district, British Columbia. [1893.] Scale: about 26 chains to 1 inch.

367. Quartz veins & placer diggings in the vicinity of Grouse creek, Cariboo district, British Columbia. [1893.] Scale: about 1 mile to 3½ inches.

368. Placer mines of Cunningham creek. [1893.] Scale: about 1 mile to 3 inches.

369. Quartz veins & placer mines of Little Snowshoe and Keithley creeks, Cariboo district, British Columbia. [1890.] Scale: 1 mile to 2½ inches.

370. Veins & placer mines of Sugar creek, Hardscrabble, Slough creek, Nelson
creek, Willow river, and Dragon creek, Cariboo district, British Columbia. [1890.] Scale: 1 mile to 2½ inches.

371. Placer mines of Harvey creek in Cariboo district, British Columbia. [1890.] Scale: 1 mile to 4½ inches.

372. Section along Harvey creek. Showing explorations of deep channel. [1890.] Vertical scale exaggerated 5 times to 1 of horizontal distance.

†282. Topographical map of Duck and Riding mountains in northwestern Manitoba. 1889 (dated 1888). Scale: 8 miles to 1 inch. See part E.


†283. Map-sheet No. 3. (Rainy Lake sheet). Province of Ontario, district of Rainy River. 1889 (dated 1887). Scale: 4 miles to 1 inch. See part F.

†284. Diagrammatic sections across Keewatin trough along the lines indicated on the accompanying map [No. 283]. Scale: 2 miles to 1 inch. See part F. Note: Not issued separately.

†285. Sketch map of the Thunder Bay mining region of Lake Superior. 1888 (dated 1887). Scale: 4 miles to 1 inch. See part H.

286. Geological and topographical map of the Silver Mountain mining district. 1888 (dated 1887). Scale: 20 chains to 1 inch. See part H.

287. Plan of the asbestos areas in the townships of Thetford, Coleraine, Wolvestown, and Ireland. 1890. Scale: 40 chains to 1 inch. See part K. Note: Issued separately, to illustrate part K; also part J, Annual Report, 1886. Not in Annual Report or portfolios accompanying it.


374. Geological and topographical map of the Madoc and Marmora mining district. 1889 (dated 1886). Scale: 40 chains to 1 inch. See part S, p. 63. Note: Issued separately. The report to accompany this map was not completed, owing to Mr. Coste's resignation in 1889. See also part A, pp. 20-21, Annual Report for 1886.

The following map, including nearly the same area as that covered by map No. 127, was published separately in 1888, accompanied by a single leaf of explanation entitled: "Note to accompany map of a portion of the southern interior of British Columbia", dated December, 1887.


Contains, in addition to preliminary reports noted elsewhere under the final reports:

Observations along the north shore of the lower St. Lawrence river and in the strait of Belleisle, notes on the Huronian rocks of Canada, and on investigations bearing on the water-supply in the Northwest, by the director.

Investigations of the Lièvre River phosphate deposits in Ottawa county, Quebec. (See maps Nos. 1062, 1063). By E. D. Ingall.

Field-work of T. C. Weston in Alberta, Saskatchewan, Ontario, and Quebec, collecting fossils, summarized by J. F. Whiteaves.


Contains the following reports (no French separates) and an index:


NOTE: Through error, inscription on cover and title-page of separate reads: “for the years 1888 and 1889.” Reprint of No. 291.


NOTE: For preliminary report see No. 291 or 293.


Appendix I. Courses of glacial strata.

(Region of Hudson bay and lake Superior, and westward, from observations by R. Bell, A. S. Cochrane, and others; and Minnesota, by W. Upham.)

Appendix II. Tables of altitudes. (From railway surveys, and other sources of information.) By W. Upham.


NOTE: For preliminary reports see Nos. 256 and 257, or 259; and 291 or 293.


NOTE: Cover of separate is correctly dated 1889. For notes on field-work see No. 257 or 259.

1 See foot-note on p. 32.

Note: "(S)" printed on report should be "(SS)." Contains special articles on natural gas and petroleum by H. P. Brumell. For preliminary report on field-work see No. 291 or 293.


Accompanying Maps and Sections:

†301. Map of a portion of the Mackenzie and Yukon basins. 1891. Scale: 8 miles to 1 inch. See part B.

†302. Index map showing the routes followed by the members of the Yukon expedition, 1887–88. 1891. Scale: 48 miles to 1 inch. See part D.

†303. Reconnaissance map of a portion of the West Kootenay district, British Columbia, 1890. Scale: 8 miles to 1 inch. See part B.

†304. Map of a portion of the Mackenzie and Yukon basins. 1891. Scale: 8 miles to 1 inch. See part D.

In nine sheets, as follows:

†305. Sheet No. 1. [Slave river. Fort Chipewyan on lake Athabaska to Fort Resolution on Great Slave lake.]

†306. Sheet No. 2. [Mackenzie river. Fort Resolution on Great Slave lake to Fort Providence on the Mackenzie river, with winter traverse route from Fort Providence to Fort Rae on the northern arm of Great Slave lake.]

†307. Sheet No. 3. [Mackenzie river. Fort Providence to Fort Simpson.]

†308. Sheet No. 4. [Liard river. From the mouth of the Dease river to a point about 15 miles above the mouth of the Nahanni river.]

†309. Sheet No. 5. [Mackenzie river. From Fort Simpson to near the mouth of the Blackwater river; with a part of the Liard river.]

†310. Sheet No. 6. [Mackenzie river. From the mouth of the Blackwater river to a point about 24 miles above Fort Good Hope.] See also index map No. 917.

†311. Sheet No. 7. [Mackenzie river. Fort Good Hope to the Peace river; and routes to Lapierre House.] See also index map No. 917.

†312. Sheet No. 8. [Porcupine river, from its headwaters to the lower end of the Ramparts.] See also index map No. 917.

†313. Sheet No. 9. [Yukon or Pelly river, from Fort Selkirk to the mouth of the Tatoudue river.] See also index map No. 917.

†314. Map of the glacial lake Agassiz and adjoining portions of North America. Scale: about 220 miles to 1 inch. See part E. Note: Not issued separately. Missing in French volume.

†315. Sections illustrating the report on the glacial lake Agassiz in southern Manitoba. (6 small sections. Various scales.) See part E. Note: Not issued separately. Missing in French volume.

†316. Map of the beaches and deltas of the glacial lake Agassiz in southern Manitoba. Scale: 21 miles to 1 inch. See part E. Note: Not issued separately. Missing in French volume.

†317. Map-sheet No. 1 S.W. [St. Stephen sheet.] Province of New Brunswick. 1892 (dated 1890). Surface geology. (Comprises Charlotte county, parts of St. John and Kings counties, and Grand Manan island.) Scale 4 miles to 1 inch. See part N.

†318. Map-sheet No. 1 S.E. [St. John sheet.] Province of New Brunswick. 1892 (dated 1890). Surface geology. (Comprises parts of St. John and Kings counties.) Scale: 4 miles to 1 inch. See part N.

†319. Map-sheet No. 1 N.E. [Grand Lake sheet.] Province of New Brunswick. 1892 (dated 1890). Surface geology. (Comprises parts of Sunbury, Queens, Kings, Albert, and Westmorland counties.) Scale: 4 miles to 1 inch. See part N.


Contains, in addition to preliminary reports noted elsewhere under the final reports:

1See foot-note on p. 32.

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The new Act, 53 Vic. chap. 11, assented to May 16th, 1890, making the Geological Survey a separate Department.

Notes by the director on investigations in the gold-fields of Shelburne and Queens counties, Nova Scotia; artesian wells at Deloraine and Morden, Manitoba; the Turtle Mountain coal-field, Manitoba; portions of the country along the line of the Canadian Pacific railway between Illecillewaet, B.C., and Canmore, Alberta; and some mining camps in West Kootenay district, British Columbia.

Work in the area of the Shuswap sheet (maps Nos. 604 and 669), British Columbia. By G. M. Dawson.

Work of W. H. C. Smith in the area of the Ignace sheet (map No. 663), Rainy River and Thunder Bay districts, Ontario, summarized by the director.

Work of A. S. Cochrane in Bruce county, Ontario (area of sheet 107, not published), summarized by the Director.

Geological investigations in Charlevoix county, Quebec. By J. C. K. Laflamme.

Exploration of the region around lake St. John, Quebec. By A. P. Low.

Work of E. R. Faribault in the areas covered by maps Nos. 565, 611, 700, 807, Halifax county, Nova Scotia, summarized by the director.

Notes: This is the first Summary Report issued in the regular blue-book form for the information of Parliament.

Summary Report of the Geological Survey Department for the year 1891. Published in English and French, Ottawa, 1892. 8vo. pp., English 60, French 64. (Blue-book form.) By A. R. C. Selwyn.

Contains, in addition to preliminary reports noted elsewhere under the final reports:

Notes, by the director, on his investigations of natural gas near St. Hyacinthe, Quebec; the artesian well at Deloraine, Manitoba; the nickeliferous pyrrhotite deposit near Schreiber, Ontario, and the rocks between Schreiber and Pic river; the reported discoveries of oil in the vicinity of Pincher creek, and in the South Kootenay pass, Alberta, and the Flathead valley, British Columbia; and the coal seams in the Crownest pass, British Columbia.

Work in the area of the Shuswap sheet (maps Nos. 604 and 669), British Columbia. By J. McEvoy.


Work of W. H. C. Smith in the areas of the Manitou Lake sheet (map No. 720) and the Ignace sheet (map No. 663), Rainy River district, Ontario, summarized by the director.

Work on the north shore of the St. Lawrence river, between Murray Bay and Tadousac. By J. C. K. Laflamme.

Notes on the Little Ditton gold district, Compton county, Quebec; and work in portions of the area covered by maps Nos. 635, 700, 807, 906, 1005, 1019, 1020; and plans Nos. 642, 666, 721, 740, Halifax, Chester, and Haute counties, Nova Scotia. By E. R. Faribault.

Notes on the Lièvre River phosphate deposits in Ottawa county, Quebec. (See maps Nos. 1062, 1063). By E. D. Ingall.

Notes on the discovery of scheelite by W. F. Ferrier in Marlow township, Beauce county, Quebec, summarized by the director.

Notes on the geological investigations of H. M. Ami in the vicinity of Illecillewaet, British Columbia, summarized by J. F. Whiteaves.

Notes on the Rocky Mountains park. By John Macoun.

Annual Report (new series), volume V, 1890-91. Published in English and French, Ottawa, 1893. In two parts, 8vo. pp., English xx, 1552, French xx, 1688. With maps Nos. 336, 347, plans Nos. 341, 344, 345, sections Nos. 337, 338, 346, 348, 349, 351, 24 statistical diagrams, etc. (folding sheets) and 61 other illustrations. Accompanied by portfolio containing maps Nos. 339, 340, 342, 343, 350. A separate envelope containing maps Nos. 594, 595, 596 to accompany part D, was issued in
323. 1897, and another in 1905 containing maps Nos. 593, 598, 600, 608, 609, 610, 633, 635, 636, 637, to accompany part F.

Note: "Annual Report, vol. V, 1889-90-91" ("1889-90" on some) is printed by mistake on covers of separates of this volume.

Contains the following reports (no French separates) and an index:


Note: No separate was issued of this report.


Note: The typographical error "reports" instead of "report" in the title is corrected on cover of separate. The distinguishing letter of this part should be "AA" instead of "A" as printed.


Note: For preliminary reports see Nos. 291 or 293, and 320 or 322 (part A, 1890).


Appendix. List of photographs taken during the course of the explorations in the summers of 1887-90. [By J. B. Tyrrell.]

Note: Owing to the extension of the boundaries of Manitoba, the district described now lies in southwestern Manitoba and a small part in southeastern Saskatchewan. For preliminary reports see Nos. 256 and 257, or 259; 291 or 293; and 320 or 322 (part A, 1890). For descriptions of Upper Silurian fossils from Davis point, lake Manitoba, see No. 950, (5.B2); from northeast shore of lake Winnipegosis, (5.C); and from the Lower Saskatchewan river, (5.D). For Cretaceous fossils see No. 443 (4.C).


Appendix I. Notes on the micropaleontological character of rocks from the Sudbury mining districts, Canada. (Collected in 1889-90 by Dr. Robert Bell). By G. H. Williams.

Appendix II. Levels of lakes above the sea. [Compiled by R. Bell.]

List of approximate elevations of the more important lakes on accompanying map (No. 343).

List of elevations on the Canadian Pacific railway from a point fifty-two (52) miles west of Callander, which is 343.9 miles from Montreal.

Appendix III. Report on Lepidoptera collected by Dr. R. Bell in the country northward of lake Huron. By H. H. Lyman.

Appendix IV. Meanings of Indian geographical names in the country around Sudbury. By R. Bell.

Note: For preliminary reports see Nos. 257 or 259, 291 or 293, 320 or 322 (part A, 1890).


Note: Map No. 342 is not bound in with the separate. For preliminary reports by W. H. C. Smith and A. C. Lawson see Nos. 256 and 257, or 259; 291 or 293.

(L) Report on the geology and economic minerals of the southern portion of Portneuf, Quebec, and Montmorency counties, province of Quebec.
Ottawa, 1892. pp. 82. With 3 illustrations and appendix. By A. P. Low.

NOTE: For brief summary by A. R. C. Selwyn see No. 291 or 293.

Appendix. Notes on the microscopical character of some rocks from the counties of Quebec and Montmorency, collected by Mr. A. P. Low, 1889-91. pp. 10. By W. F. Ferrier.

NOTE: Separate of appendix bears no date or place of publication.


NOTE: For preliminary reports see Nos. 256 and 257, or 259; 291 or 293; 320 or 322 (part A, 1890).


NOTE: The report includes parts of Hants and Cumberland counties. For preliminary reports see Nos. 256 and 257, or 259; 291 or 293; 320 or 322 (part A, 1890); 321 or 323. See also maps Nos. 793 to 796, 826, 836 to 841, 878, 879.

(Q) Report on natural gas and petroleum in Ontario prior to 1891. Ottawa, 1892. pp. 94. With sketch maps, plans, and sections, Nos. 344 to 349, and appendices A to C. By H. P. H. Brumell.

Appendix A. Table of Beaumé's hydrometer, with corresponding specific gravities. [By H. P. H. Brumell.]

Appendix B. Cost of "drilling rig" complete at Petrolia, Ont., F.O.B. [By H. P. H. Brumell.]

Appendix C. Bibliography. (Taken from the report on petroleum by S. F. Peckham, vol. X, 10th Census, U.S.A.)


(S) Division of mineral statistics and mines. Annual report for 1890. Ottawa, 1891. pp. 201, and erratum slip. With 12 statistical diagrams (folding sheets) and an index. By E. D. Ingall.

NOTE: The articles on abrasive materials, petroleum, natural gas, mineral pigments, salt, structural materials, gypsum, and manganese, are credited to H. P. H. Brumell. The paper by A. E. Barlow, "On the nickel and copper deposits of Sudbury, Ont.", is reprinted here from the Ottawa Naturalist, vol. V, pp. 51-71, 1891, also that by R. W. Ellis on asbestos, read before the American Institute of Mining Engineers, at Ottawa, October, 1889. For preliminary report on field-work see No. 320 or 322 (part A, 1890).


NOTE: Contains reprint of paper by L. A. Klein: "The Canadian asbestos industry", read before the General Mining Association of Quebec, 14th June, 1892. For preliminary report on field-work see No. 321 or 323.

Accompanying Maps, Plans, and Sections:

Index map showing the country between the lower portions of the Peace and Athabaska rivers north of Lesser Slave lake. Lat. 56° to 59° N. 1893 (dated 1892). Scale: 48 miles to 1 inch. See part D.

Section along the Athabaska valley from Athabaska Landing to Fort McMurray. 1892. Horizontal scale: 8 miles to 1 inch; vertical scale: 1,000 feet to 1 inch. See part D.

NOTE: Not issued separately.
Section along the Peace valley from Smoky River forks to Peace River falls. 1892. Horizontal scale: 8 miles to 1 inch; vertical scale: 1,000 feet to 1 inch. See part D.

Note: Not issued separately.

The following map was published in 1897, illustrating part D (printed "P" in error on map). See also part B, Report of Progress, 1879-80.

Map showing the country between the lower portions of the Peace and Athabaska rivers north of Lesser Slave lake. 1897. Scale: 10 miles to 1 inch.

In three sheets:

- Sheet No. 1. [Lat. 57° to 59° 15', long. 109° 30' to 116° 30'.]
- Sheet No. 2. [Lat. 54° 30' to 57°, long. 110° 30' to 116° 30'.]
- Sheet No. 3. [Lat. 54° 30' to 58° 30', long. 116° 30' to 120° 30'.]

339. Geological map of northwestern Manitoba and portions of the districts of Assiniboia and Saskatchewan. 1892 (dated 1891). Scale: 8 miles to 1 inch. See part E.

Note: A second edition was published in 1912.

340. Map showing forest distribution in northwestern Manitoba and portions of the districts of Assiniboia and Saskatchewan. 1892 (dated 1891). Scale: 8 miles to 1 inch. See part E.

341. Plan and elevation of Mosey portage between Cedar lake and lake Winnipegosis. From a survey by D. B. Dowling in 1891. Horizontal scale: 50 chains to 1 inch; vertical scale: 120 feet to 1 inch. See part E.

Note: Not issued separately.


351. General section representing the supposed arrangement of the Cambrian rocks on the line of the Temiscouata Portage road, between Temiscouata lake and Riv. du Loup. Scale: about 7 miles to 1 inch. See part M.

The following maps (Nos. 593, 598, 600, 608, 609, 633, 635, 636, 637) illustrating part P, published separately at various dates between 1901 and 1903, were, in 1905, issued together in an envelope to accompany that part. The envelope of maps, with inscription in French, was also issued to accompany the French edition of Annual Report, vol. V.


Contains, in addition to preliminary reports noted elsewhere under the final reports:
Notes, by the director, on the artesian well at Deloraine, and the Turtle Mountain coal-field, Manitoba; graptolitic shales at Quebec city, Que.; crystalline rocks of the Cobequid hills, Nova Scotia; and the Souris River coal-field, Saskatchewan.
Work in the area of the Shuswap sheet (maps Nos. 604 and 669), British Columbia. By J. McEvoy.
Explorations in the Rocky Mountains between lats. 51° and 52°. By R. G. McConnell.
Work in the area of the Manitoulin Island sheet (map No. 605), district of Algoma, Ontario. By R. Bell.
Examinations in Charlevoix and Montmorency counties, and the vicinity of lake St. John, Quebec. By J. C. K. Laframme.
Work in portions of the area covered by maps Nos. 230, 826, 840, 841, Cumberland county, Nova Scotia. By H. Fletcher.

Contains, in addition to preliminary reports noted elsewhere under the final reports:
Letter to the director from J. B. Tyrrell regarding the exploration of the north shore of lake Athabaska and telegram announcing his arrival at West Selkirk, Manitoba.
Notes, by the director, on the artesian well at Deloraine, Manitoba, and the Geological Survey exhibit at Chicago.

See footnote on p. 32.
An exploration of the Portland canal, Observatory inlet, and the Nass river (see map No. 1247), British Columbia. By J. McEvoy.

Work in the area of sheet 129 (not published), north of sheet 126 (map No. 605), district of Algoma, Ontario, and notes on a visit to Michigan, U.S.A., re geological nomenclature. By R. Bell.


Botanical and zoological work in Vancouver Island, British Columbia. By John Macoun.


Map No. 1247 was issued separately. Contains the following reports (no French separates) and an index:


Note: The distinguishing letter of this part should be "AA" instead of "A" as printed.

357. (J) Preliminary report on the geology of a portion of central Ontario situated in the counties of Victoria, Peterborough, and Hastings, together with the results of an examination of certain ore deposits occurring in the region. Ottawa, 1894. pp. 15. (See map No. 708.) By F. D. Adams.


Note: See also report No. 628. For preliminary reports see Nos. 320 or 322 (part A, 1890), 321 or 323, 332 or 356.


Note: For preliminary report on the field-work see No. 352 or 355.

Accompanying Maps:

1247. Route map of part of the Nass river, British Columbia. (Map 69A.) 1912. Scale: 8 miles to 1 inch.

Note: The above map, published separately in 1912, illustrates report by J. McEvoy in part AA.


Note: Not issued separately.


Contains, in addition to preliminary reports noted elsewhere under the final reports:

1See foot-note on p. 32.
Report, by the director, on the boring for oil at Athabaska Landing, Alberta; on explorations, with J. McEvoy, in the area of the Shuswap sheet (maps Nos. 604 and 669); and observations on hydraulic mining in the Cariboo district, British Columbia.

Work in the area of the West Kootenay sheet (maps Nos. 791 and 792), British Columbia. By R. G. McConnell.


Work in the area covered by sheet 128 (not published), west of sheet 129, and sheet 129 (not published), north of map No. 905, Algoma and Sudbury districts, Ontario. By R. Bell.


Contains the following reports (no French separates) and an index:


553. (B) Report on the area of the Kamloops map-sheet, British Columbia. Ottawa, 1895, pp. 431. (Separate published 1896, and so dated on cover.) With maps Nos. 556, 557, folding sheet of sections, 24 other illustrations, and appendices I to IV. By G. M. Dawson.

Note: Maps not bound in with separate, but issued in an envelope to accompany it. For preliminary reports see Nos. 257 or 259, 291 or 292, 320 or 322 (part A, 1890). See also maps Nos. 604 and 669.


Appendix III. Notes on the upper and lower limits of growth of some trees and other plants, in different places within the area of the Kamloops map-sheet. [By G. M. Dawson.]

Appendix IV. Comparative observations of temperatures at different altitudes in or near the region embraced by the Kamloops sheet, southern interior of British Columbia, during parts of the years 1888, 1889, and 1890. [By G. M. Dawson.]


Note: For preliminary report see No. 353 or 356.


Note: The region described now lies entirely in northwestern Ontario. For preliminary report see No. 353 or 356 (accompanied by sketch-map No. 361).

579. (J) Report on a portion of the province of Quebec comprised in the southwest sheet of the "Eastern Townships" map (Montreal sheet). With

**†483. Appendix.** Preliminary lists of the organic remains occurring in the various geological formations comprised in the southwest quarter-sheet map of the Eastern Townships of the province of Quebec. pp. 45. By H. M. Ami.

*Note:* For preliminary reports see Nos. 291 or 293, 320 or 322 (part A, 1890), 321 or 323. Separate of the appendix bears no date or place of publication.

**†484. Laurentian area to the north and west of St. Jerome.** South-west quarter-sheet map of the Eastern Townships, province of Quebec. pp. 20. By F. D. Adams.

*Note:* This is a reprint of the chapter on the Laurentian north of the St. Lawrence river included in No. 579. Separate bears no date or place of publication.

**566.** (M) Report on the surface geology of eastern New Brunswick, northwestern Nova Scotia, and a portion of Prince Edward Island, to accompany 1/4 sheet maps No. 2 S.E., No. 5 S.W., and No. 4 N.W. Ottawa, 1895. pp. 149. With maps Nos. 558, 559, and 5 other illustrations. Separate is accompanied by envelope containing maps Nos. 561, 562, 563. By R. Chalmers.

*Note:* Includes notes on the Magdalen islands, Quebec. For preliminary reports see Nos. 320 or 322 (part A, 1890), 321 or 323, 352 or 355, 353 or 356.


*Note:* For report on field-work during 1893 see No. 353 or 356.

**Accompanying Maps:**

**†554.** Sketch map to illustrate exploration by A. P. Low. (Labrador peninsula.) 1895. Scale: 150 miles to 1 inch. See part A.


**†567.** Map of the Finlay and Omineca rivers, British Columbia. 1895. Scale: 8 miles to 1 inch. See part C.

**576.** Vicinity of Red lake, and part of Berens river. District of Keewatin and province of Ontario. [Now all in district of Algoma, Ont.] 1896. Scale: 8 miles to 1 inch. See also sketch-map No. 361. See part F.


*Note:* Title on map reads: "Province of Quebec. Montreal sheet. (Eastern Townships map.)" Important corrections made on transfer stones before publication. See note under No. 251.

**558.** Sketch map showing area occupied by Pleistocene glaciers at their maximum extension. 1895. (Quebec, New Brunswick, Prince Edward Island, and Nova Scotia.) Scale: 40 miles to 1 inch. See part M.

**559.** Sketch map showing striation from local glaciers and floating ice during the closing stage of the Pleistocene. 1895. (Quebec, New Brunswick, Prince Edward Island, and Nova Scotia.) Scale: 40 miles to 1 inch. See part M.

**†561.** Map-sheet No. 4 N.W. Springhill sheet [also called Cumberland coal-field sheet]. Province of Nova Scotia and New Brunswick. 1895. Surface geology. (Comprises parts of Cumberland county, N.S., Westmorland and Albert counties, N.B., with a small part of Prince Edward Island.) Scale: 4 miles to 1 inch. See part M.
NOTE: Copies issued in portfolio accompanying Annual Report, vol. VII, and in envelope accompanying part M, have "(Cumberland Coal-field sheet)" printed on back of folded map.

562. Map-sheet No. 2 S.E. Richibucto sheet. Province of New Brunswick. 1895. Surface geology. (Comprises parts of Kent, Westmorland, Queens, Sunbury, York, and Northumberland counties.) Scale: 4 miles to 1 inch. See part M.

563. Map-sheet No. 5 S.W. Cape Traverse sheet [also called Buctouche sheet]. Part of New Brunswick and Prince Edward Island. 1895. Surface geology. (Comprises parts of Kent county, N.B., and Prince and Queens counties, P.E.I.) Scale: 4 miles to 1 inch. See part M.

Note: Copies issued in portfolio accompanying Annual Report, vol. VII, and in envelope accompanying part M, have "(Buctouche sheet)" printed on back of folded map.

1582. (E); Summary Report of the Geological Survey Department for the year 1895. Published in English and French, Ottawa, 1896. 8vo. pp., English ii, 154, French 175. (Blue-book form.) By G. M. Dawson. Contains, in addition to preliminary reports noted elsewhere under the final reports:

Report, by the director, on the boring for oil at Athabaska Landing, Alberta; notes on gold-washing on the North Saskatchewan river; on some gold mines on Lake of the Woods, Ontario; and the general metalliferous character of the Huronian rocks.

Work in the area of the West Kootenay sheet (maps Nos. 791 and 792; see also No. 620), British Columbia. By R. G. McConnell.

Work in the area of the Shuswap sheet (maps Nos. 604 and 609), British Columbia. By J. McEvoy.

Work in portions of the area included in the Manitou Lake sheet (map No. 720) and Rainy Lake sheet (map No. 283), Ontario. By W. McInnes.

Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By N. J. Giroux.

Note on the salt springs at Salina, Kings county, New Brunswick. By R. Chalmers. (In his summary report.)

Notes on some Silurian rocks previously supposed to be of Cambro-Silurian age, and on various minerals, Antigonish and Pictou counties, Nova Scotia. By H. Fletcher.


Notes on the discovery of cobalt minerals at the Dominion iron mine, Madoc township, Hastings county, Ontario. By W. F. Ferrier.

Botanical and zoological observations in southern Saskatchewan and Alberta south of lat. 50° 30', and between longs. 105° 30' and 114°. By John Macoun.

Entomological collections. By J. Fletcher.


Note: A leaf to be substituted for the first leaf of table of contents, and an index of part A for insertion before the general index at end of volume, were issued in a separate envelope.

Contains the following reports (no French separates), with index to part A and index to volume:


Note: Publication number erroneously printed "582" on title-page.

601. (D) Report on the country between Athabaska lake and Churchill river, with notes on two routes travelled between the Churchill and Sask-
chewan rivers. Ottawa, 1896. pp. 120. With map No. 597 and 3 other illustrations. By J. B. Tyrrell, assisted by D. B. Dowling.

Note: For preliminary reports see Nos. 352 or 355, 353 or 356.


Note: For summaries of work in this area by H. G. Vennor, L. R. Ord, and R. G. McConnell, see No. 147 (director's summary); and by R. W. Ellis, No. 321 or 323; also summaries and preliminary reports by F. D. Adams in Nos. 209 or 211; 256 and 257 or 259; 291 or 293; 321 or 323.


Note: Maps are not bound in with the separate, but were issued in separate envelope to accompany it. For preliminary reports see Nos. 352 or 355, 552 or 553, 582 or 583.

Appendix I. List of Mammalia of the Labrador peninsula, with short notes on their distribution, etc. By A. P. Low.

Appendix II. List of birds of the interior of the Labrador peninsula. [By A. P. Low.]

Appendix III. List of the principal food fishes of the Labrador peninsula, with short notes on their distribution. [By A. P. Low.]


Note: Separate bears no date or place of publication.


Accompanying Maps:

Map of the country between lake Athabaska and Churchill river. 1897. Scale: 25 miles to 1 inch. See part D.

Geological map of parts of Joliette, Argenteuil, Terrebonne, and Montcalm counties. Province of Quebec. 1897. Scale: 4 miles to 1 inch. See part J.

Map of Labrador peninsula. 1897 (dated 1896). Scale: 25 miles to 1 inch. In four sheets, as follows:

Southwest sheet. [Lat. 47° 30' to 55°; long. 68° to 81°.] See part L.

Southeast sheet. [Lat. 48° to 55°; long. 55° to 68°.]

Northwest sheet. [Lat. 54° to 61° 30'; long. 68° to 83°.] See part L.

Northeast sheet. [Lat. 54° to 61° 30'; long. 53° to 68°.]

Note: Separate bears no date or place of publication.

613. (E) Summary Report of the Geological Survey Department for the year 1896. Published in English and French, Ottawa, 1897. 8vo. pp., English ii, 144, French ii, 194. (Blue-book form.) By G. M. Dawson. Contains, in addition to preliminary reports noted elsewhere under the final reports:

See footnote on p. 32.
Report, by the director, on the boring for oil at Athabaska Landing, with notes by R. G. McConnell on a new site for boring operations at Victoria, Alberta.

Work in the area of the West Kootenay sheet (maps Nos. 791 and 792; see also No. 620), British Columbia. By R. G. McConnell.

Work in the area of the Shuswap sheet (maps Nos. 604 and 669), and the vicinity of Rossland, B.C. By J. McEvoy.

Work in the areas of the Seine River and Manitou Lake sheets (maps Nos. 560 and 720); notes on gold locations in the vicinity of Bad Vermilion and Shoal lakes (see map No. 283); the Regina, Sullana, and Scramble mines, Lake of the Woods; the Lake Minniwaki gold region; and the Empress gold mine, near Jackfish, lake Superior, Ontario. By W. McInnes.

Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By N. J. Giroux (edited by R. W. Ellis).

Notes on the copper mine at George river, Cape Breton county, infusorial earth at St. Anne, Victoria county, and Castleragh, Cumberland county; and graphitic shales near Christmas Island, Cape Breton county, Nova Scotia. By H. Fletcher.

Work in the areas covered by maps Nos. 1019 and 1025, map-sheet No. 88 (not yet published), and plans Nos. 721, 740, and 768, Halifax and Hants counties, Nova Scotia. By E. R. Faribault.


The natural history of portions of southern Manitoba and Saskatchewan. By John Macoun.

Entomological collections. By J. Fletcher.


Contains the following reports (no French separates), and an index:


Appendix I. Chipewyan names of places in the country here reported on. [By J. B. Tyrrell.]

Appendix II. Vocabulary of words used by the tribe of Inland Eskimos inhabiting the banks of Kazan and Ferguson rivers. [By J. W. Tyrrell.]

Appendix III. Plants (exclusive of Algae and Fungi) collected by J. W. Tyrrell. (From along the line of route between lake Athabaska and the west coast of Hudson bay, 1893; and at Ashe inlet, north shore of Hudson strait, 1885. Also from Fort Churchill, collected by Miss M. Lofthouse.) Determined by John Macoun.

Note: For preliminary report see No. 552 or 553.


Note: For preliminary reports see Nos. 321 or 323, 352 or 355.

657. (L) Report on a traverse of the northern part of the Labrador peninsula from Richmond gulf to Ungava bay. Ottawa, 1898. pp. 43. With 4 illustrations. (See map No. 587.) By A. P. Low.

Note: For preliminary report see No. 613 or 614.

Appendix A. List of glacial striae in south-western Nova Scotia. [By L. W. Bailey.]

Notes: See also report No. 358. For preliminary reports see Nos. 320 or 322 (part A, 1890), 321 or 323, 353 or 356, 582 or 583, 613 or 614.


Notes: For report on field-work see No. 613 or 614.

Accompanying Maps:

†620. Part of Trail Creek mining division, West Kootenay district, British Columbia. Preliminary edition. 1897. Scale: 1 mile to 1 inch. See part A.

Notes: The above map was published separately in 1897. For field-work see summary reports by R. G. McConnell in Nos. 582 or 583, and 613 or 614.


Notes: The above two maps (Nos. 604 and 669) were published separately, with no accompanying report, but extensive explanatory notes appear on No. 604. For field-work by G. M. Dawson and J. McEvoy see summary reports in Nos. 320 or 322 (part A, 1890), 321 or 323, 352 or 355, 552 or 553, 582 or 583, 613 or 614. See also reports Nos. 1218 [xi], 1218a, and Memoir 68 (No. 1463), by R. A. Daly.

603. Map of Dubawnt and Kazan rivers and northwest coast of Hudson bay. 1897. Scale: 25 miles to 1 inch. See part F.

619. Map of sledge routes 1893 & 1894, Fort Churchill to Nelson river. 1897. Scale: 25 miles to 1 inch. See part F.

621. Diagram showing three positions successively occupied by the centre of the Keevatin glacier. 1897. Scale: 100 miles to 1 inch. See part F.

Notes: Latitude figures should read "57°", "61°", "65°" instead of "56°", "60°", "64°" on left, and "56°", "64°", "64°" on right of map. Longitude on south boundary of the map, printed "94°", should read "96°".


Notes: This map, published separately in 1907, joins map No. 570 on the west. The geology of the area is described by Dr. Bell in Report of Progress for 1896-97 and 1896-97. See also Summary Report, 1892, for surveys in the area. No other report on this area by Dr. Bell has been published.

†641. Map of the western portion of Nova Scotia. 1898. (Annapolis, Digby, Yarmouth, Shelburne, Queens, and part of Lunenburg counties.) Scale: 8 miles to 1 inch.

See part M.


Contains, in addition to preliminary reports noted elsewhere under the final reports:

1 See foot-note on p. 32.
Notes, by the director, on placer gold deposits of the Yukon Territory; mineral deposits in the vicinity of Kamloops, British Columbia; experimental borings at Pelican rapids and Victoria, Alberta.

Work in the area of the West Kootenay sheet (maps Nos. 791 and 792), British Columbia. By R. G. McConnell.

Work in the area of the Manitou Lake sheet (map No. 720) and Ignace sheet (map No. 663), Ontario; and on Lake of the Woods, for the revised edition of map No. 237. By W. McInnes.


Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By R. W. Ellis.

Geological investigations in portions of Cumberland, Pictou, Colchester, Antigonish, and Cape Breton counties, Nova Scotia, including the Springhill (see map No. 812) and Sydney coal-fields; with notes on I. C. White’s examination of the supposed oil-field in the vicinity of lake Ainslie, Inverness county, Nova Scotia. (See also map No. 826.) By H. Fletcher.


Notes on investigations of corundum and nepheline-syenites in Carlow and Dungannon townships, Hastings county, and Raglan township, Renfrew county; and of corundum in Methuen township, Peterborough county, Ontario. By W. F. Ferrier.

Notes on work of H. M. Ami in Nova Scotia, summarized by J. F. Whiteaves.

Field-work of L. M. Lambe in vertebrate paleontology along the Red Deer river, Alberta, summarized by J. F. Whiteaves.

Botanical and zoological observations in southern Alberta. By John Macoun.

**Annual Report (new series), volume X, 1897.** Published in English 1899, and French 1901, Ottawa. 8vo. pp., English xiv, 1068, French xii, 1147. With maps Nos. 639, 667, 668, 675, 2 folding sheets of tables, 16 statistical diagrams, and 34 other illustrations. Accompanied by portfolio containing maps Nos. 560, 589, 599, 606. Map No. 720 was issued separately.

Contains the following reports (no French separates) and an index:


- **(H)** Report on the geology of the area covered by the Seine River and Lake Shebandowan map-sheets, comprising portions of Rainy River and Thunder Bay districts, Ontario. Ottawa, 1899. pp. 65. With maps Nos. 560, 589, and 3 other illustrations. By W. McInnes. Note: Maps not bound in with separate, but issued in an envelope with it. For preliminary reports by W. H. C. Smith and W. McInnes see Nos. 320 or 322 (part A, 1890), 321 or 323, 352 or 355, 353 or 356, 582 or 583, 613 or 614.

- **(I)** Report on the geology and natural resources of the area included by the Nipissing and Timiskaming map-sheets, comprising portions of the district of Nipissing, Ontario, and of the county of Pontiac, Quebec. Ottawa, 1899. pp. 302. With maps Nos. 599, 606, folding table of rock classification, 17 other illustrations, and appendices I and II. By A. E. Barlow. Appendix I. List of elevations. [By A. E. Barlow.] Appendix II. On some Cambro-Silurian and Silurian fossils from lake Timiskaming, lake Nipissing, and Mattawa outliers. By H. M. Ami. Note: Maps are not bound in with the separate, but were issued in an envelope to accompany it. A second edition of the report was published in 1908 (see No. 962) with maps Nos. 599 (2nd
Appendix II. Levels of gold workings, Gilbert river, Chaudière district, Que. Compiled by E. D. Ingall.
Appendix III. Notes on the chainage and levels of the Gilbert river, St. François, Beauce county, Quebec. By A. Lockwood.
Note: For preliminary reports see Nos. 582 or 583, 613 or 614, 632 or 644.

661. (M) The mineral resources of the province of New Brunswick. Ottawa, 1899 (dated 1898). (Correct date is on cover of separate.) pp. 129, and errata slip. With map No. 675 and 6 other illustrations. By L. W. Bailey.
Note: For preliminary reports see Nos. 632 or 644, 673 or 674. See also later report by R. W. Ellis (No. 983).

662. (S) Section of mineral statistics and mines. Annual report for 1897. Ottawa, 1899 (dated 1898). (Correct date is on cover of separate.) pp. 232. With map No. 668, folding sheet (mineral production), and 16 statistical diagrams. By E. D. Ingall.
Note: Contains special report on the graphite deposits of Quebec, with map No. 668, by A. A. Cole; and an annotated table of analyses of the iron ores of Nova Scotia.

Accompanying Maps:

Note: This map, published separately, illustrates summary report by W. McInnes in part A, also those in Nos. 552 or 553, and 613 or 614. See also notes of W. H. C. Smith in No. 321 or 323. On east side of map, lat. "45° 45'" should read "49° 45'".

639. Plan showing corundum belt in Hastings and Renfrew counties, Ont. 1898. Scale: 5 miles to 1 inch.


Note: A revised edition was published in 1908.

Note: A revised edition was published in 1908.

667. Gold areas and glaciation of southeastern Quebec. 1899. Scale: 8 miles to 1 inch.

675. Map showing principal mineral occurrences in New Brunswick. 1899. Scale: 10 miles to 1 inch.
Note: Positions of the quarter-sheet geological maps of New Brunswick are also shown on this map. See also map No. 969.

668. Map of the graphite district, Labelle county, Quebec. 1899. Scale: 40 chains to 1 inch.

Contains, in addition to preliminary reports noted elsewhere under the final reports:

Notes, by the director, on feldspar, molybdenite etc.; occurrences and working of placer gold in Alberta and Saskatchewan; developments in the Crowneast Pass coal-field, British Columbia; and experimental borings at Pelican rapids and Victoria, Alberta.

Explorations in the southwestern portion of the Yukon Territory and adjacent portion of British Columbia. By J. B. Tyrrell.

Explorations in the southwestern portion of the Yukon Territory and adjacent portion of British Columbia. By R. G. McConnell.


Explorations in the southwestern portion of the Yukon Territory and adjacent portion of British Columbia. By R. G. McConnell.


Geology of the Michipicoten mining division, lake Superior, Ontario. By R. Bell.

Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By R. W. Eels.

Work in the Springhill coal-field and adjacent region, and notes on various mineral occurrences, Cumberland, Colchester, Hants, Pictou, Richmond, Inverness, and Cape Breton counties, Nova Scotia. (See maps Nos. 192, 198, 200, 230, 654, 793, 794, 812, 838 to 841, 1037.) By H. Fletcher.


Geological and palaeontological investigations in the Duck islands and portions of Grand Manitoulin island, lake Huron, Ontario, and in the vicinity of Minas Basin, Kings, Cumberland, and Colchester counties, and at McAra brook, Antigonish county, Nova Scotia. By H. M. Ami.

Field-work in vertebrate palaeontology along the Red Deer river, Alberta, and note on mammoth remains at Muirkirk, Elgin county, Ontario. By L. M. Lambe.


Entomological collections. By J. Fletcher.

Notes on determinations of various positions in Ontario, and on some magnetic declinations. By J. White.


Contains the following reports (no French separates) and an index:


Report on the geology and natural resources of the country traversed by the Yellow Head Pass route from Edmonton to Tête-Jaune Cache, comprising portions of Alberta and British Columbia. Ottawa, 1900. pp. 44. With map No. 676 and 6 other illustrations. By J. McEvoy.

NOTE: For preliminary report see No. 673 or 674.

1 See foot-note on p. 32.

Note: Separate is bound with No. 705. For preliminary reports see Nos. 320 or 322 (part A, 1890), 321 or 323.


Appendix I. List of glacial striations. [By J. B. Tyrrell.]
Appendix II. Notes on early travellers on lake Winnipeg whose records or reports contain descriptions referring to the lake. [By J. B. Tyrrell.]

Note: Separate is bound with No. 705. For preliminary reports see Nos. 320 or 322 (part A, 1890), 321 or 323, 582 or 583, 632 or 644. Nos. 704 and 705 are bound together, with cover-title: "Reports on the geology of the shores and islands of lake Winnipeg with adjacent parts of Manitoba and Keewatin."

Accompanied by portfolio containing map No. 664.


Appendix I. Notes on the Pleistocene marine shore-lines and landslips of the north side of the St. Lawrence valley. [By R. Chalmers.]

Note: For summaries and preliminary reports of work (in the area described in report No. 707) by W. McOuat, A. Webster, L. R. Ord, R. G. McConnell, F. D. Adams, A. P. Low, N. J. Giroux, R. Chalmers, and R. W. Ellis, see Nos. 67; 147; 256 and 257; or 259; 291 or 293; 321 or 322; 321 or 323; 352 or 355; 353 or 356; 673 or 674.


Note: Separate is bound with No. 713. For preliminary report see No. 632 or 644.


Note: Separate is bound with No. 690. For preliminary report see No. 632 or 644.

Appendix I. Astronomical observations. Latitudes in Baffin Land from observations by Dr. Robert Bell, in 1897, used in the compilation of the accompanying map of Hudson strait. With longitudes of same.

Appendix II. List of plants collected in Hudson strait by Dr. Robert Bell in 1897. The phanerogams determined by J. M. Macoun, the cryptogams by John Macoun.

Appendix III. List of Lepidoptera taken in Baffin Land by Dr. Robert Bell in 1897. Determined by J. Fletcher.

Note: Nos. 680 and 713 are bound together with cover-title: "Reports on explorations of the coasts of Hudson strait and Ungava bay." With Map No. 699.


Note: Includes special articles on the coal-fields of Canada, natural gas, and petroleum, by T. C. Denis.

Accompanying Maps:

†676. Map showing Yellow Head Pass route from Edmonton to Tête-Jaune Cache. 1900. Scale: 8 miles to 1 inch. See part D.
664. Geological map of lake Winnipeg and vicinity. 1899. Scale: 8 miles to 1 inch.
Note: This map was reprinted in 1913.

Note: Title on map reads: "Province of Quebec. Three Rivers sheet. (Eastern Townships map)". Plate corrected to date.

699. Map of the coasts of Hudson strait and Ungava bay. Districts of Franklin and Ungava. 1900. Scale: 25 miles to 1 inch. See parts L and M.
Note: Not issued separately.

†681. Sketch map of oil areas in Lambton county, Ont. 1900. Scale: 4 miles to 1 inch.
Note: Not issued separately.

†682. Sketch map of gas field in Essex county, Ont. 1900. Scale: 4 miles to 1 inch.
Note: Not issued separately.

†683. Sketch map of gas field in Welland county, Ont. 1900. Scale: 4 miles to 1 inch.
Note: Not issued separately.


Contains, in addition to preliminary reports noted elsewhere under the final report:

Notes, by the director, on the examination of Animikie-Kesawan-Laurentian contacts in the vicinity of Thunder bay, Ontario, and on iron ores of western Ontario; experimental borings at Athabaska Landing, Pelican rapids, and Victoria, Alberta (with folding table showing equivalency of Cretaceous rocks encountered.)

Work in the area of the West Kootenay sheet (maps Nos. 791 and 792), British Columbia. By R. W. Brock.


An exploration of Great Slave lake, North West Territories. By R. Bell.

Work in the area of the Ignace sheet (map No. 663), Ontario. By W. McInnes.

Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By R. W. Ells.


Work in the Springhill coal-field (see map No. 812) and portions of Colchester and Cape Breton counties (see maps Nos. 838 and 839), Nova Scotia. By H. Fletcher.

Work in the area covered by maps Nos. 592, 1005, 1025, 1037, and plans Nos. 647, 701, 709, 768, Hants and Halifax counties, Nova Scotia. By E. R. Faribault.


Notes on some plants from Dawson, Yukon Territory, and the vicinity of Atlin lake, British Columbia; the fauna and flora of Sable island, Nova Scotia; and notes on the St. John River valley, New Brunswick. By John Macoun.

Note: The report by R. G. McConnell contained in the above
Summary Report, was published in advance, as a separate, in prac-
tically identical form. See No. 687.


Note: The publication of the Annual Reports in French ceased with this volume. See notice slip in French edition. That edition erroneously bears the number “782” on title-page. Some copies of the English edition are defective, pp. 11-16 of part A being omitted.

Contains the following reports (no French separates) and an index:


Note: The folding sheet (table showing equivalency of Cretaceous rocks in borings in northern Alberta) is omitted by mistake from the bound volume. It is included in No. 690.


Note: For preliminary reports see Nos. 690 or 691, 716 or 717.


Appendix. Descriptions of rocks collected in 1900 by J. Macintosh Bell, in Great Bear Lake district and thence to Great Slave lake. By A. E. Barlow.

Note: For preliminary report see No. 716 or 717.


496. Appendix. Preliminary lists of the organic remains occurring in the various geological formations comprised in the map of the Ottawa district, including formations in the provinces of Quebec and Ontario, along the Ottawa river. Ottawa, December, 1901. pp. 29. By H. M. Ami.

Note: Title on cover of separate of the appendix differs slightly from that on title-page, reading: “Preliminary lists of the organic remains occurring in the various geological formations comprised in the map of the Ottawa district, including portions of the provinces of Quebec and Ontario, along the Ottawa river.” For preliminary notes on area of map No. 714 see No. 632 or 644.


Appendix A. Microscopic examination of sections of rocks associated with the iron ore deposits of the Kingston and Pembroke Railway district. By A. E. Barlow.

Appendix B. Analyses of iron ores.—Kingston and Pembroke Railway district. (Folding sheet.) Compiled by E. D. Ingall.

Note: For preliminary reports see Nos. 321 or 323, 352 or 355, 353 or 356, 582 or 583, 690 or 691, 716 or 717.


Note: For preliminary reports see Nos. 321 or 323, 352 or 355, 353 or 356, 582 or 583, 690 or 691.


Note: Contains also: “On the occurrence of apatite and mica north of Ottawa,” and “Two Canadian occurrences of graphite.”


688. Accompanying Maps, Plans, and Sections: 

Map of Klondike gold fields, Yukon district, 1900. Scale: 2 miles to 1 inch. See part A.

771. Geological and topographical map of a portion of East Kootenay district, British Columbia. 1902. (Preliminary edition.) Scale: 4 miles to 1 inch. See part A.

663. Map-sheet No. 5. (Ignace sheet.) Province of Ontario, districts of Rainy River and Thunder Bay. 1906. Geology. Scale: 4 miles to 1 inch. See part A.

Note: On the south this sheet joins sheet No. 6, instead of “No. 7” as stated on the map. Published separately. Illustrates area described by W. McInnes in part A, also in Nos. 652 or 644, 673 or 674. See also notes of W. H. C. Smith in Nos. 320 or 322 (part A, 1890), 321 or 323.

742. Geological and topographical map of the Atlin mining district, British Columbia. 1902. Scale: 4 miles to 1 inch. See part B.

Note: Map No. 711 covers same area. See also index map No. 917.

714. Geological map of the city of Ottawa and vicinity. Ontario and Quebec. 1901. Scale: 1 mile to 1 inch. See part G.

726. Map showing the occurrences of iron ores and other minerals in portions of the counties of Frontenac, Lanark, Renfrew, and Leeds, Ontario. 1900. Scale: 2 miles to 1 inch. See part I.

726. [Plan of] Bedford or Glendower mine, Bedford township, Frontenac county, Ont. 1901. Scale: 400 feet to 1 inch. See part I.

727. Plan of the Roberts ville and Mary mines, Palmerston township. Frontenac county, Ont. 1901. Scale: 200 feet to 1 inch. See part I.

728. Sketch plan of the Fournier mine, S. Sherbrooke township, Lanark county, Ont. 1901. Scale: 200 feet to 1 inch. See part I.

729. Sketch plan of Christie’s Lake mine, S. Sherbrooke township, Lanark county, Ont. 1901. Scale: 200 feet to 1 inch. See part I.

†731. Sketch plan of the Ymll mine, Darling township, Lanark county, Ont. 1901. Scale: 37 feet to 1 inch. See part I.

†732. Plan of Bluff Point mine, Bagot township, Renfrew county, Ont. 1901. Scale: 400 feet to 1 inch. See part I.


†734. Sketch plan and sections of the Culhane mine, Bagot township, Renfrew county, Ont. 1901. Scale: 200 feet to 1 inch. See part I.

†735. Sketch plan of Black Bay or Williams mine, Bagot township, Renfrew county, Ont. 1901. Scale: 200 feet to 1 inch. See part I.

†736. [Plan of] Chaffey & Matthews mines, Crosby township, Leeds county, Ont. 1901. Scale: 600 feet to 1 inch. See part I.

†737. [Plan and sections of] Playfair or Dalhousie mine, Lanark county, Ont. 1901. Scale: 50 feet to 1 inch. See part I.

†738. Sketch section of Dog Lake hematite mine, Storrington township, Frontenac county, Ont. 1901. Scale 50 feet to 1 inch. See part I.

Note: Plans and section Nos. 726 to 738 not issued separately.

750. Map-sheet No. 121. (Grenville sheet). Provinces of Quebec and Ontario. 1903 (dated 1902). Parts of counties of Ottawa, Argenteuil, Terrebonne, Two Mountains, and Vaudreuil, Que. and Carleton, Russell, Prescott, and Glengarry, Ont. Scale: 4 miles to 1 inch. See part J. Note: This map was re-issued in 1912 with minor corrections, additions, and change of colouring, to accompany Guide Book No. 1 (No. 534).

696. Map-sheet No. 2 S.W. Andover sheet, Province of New Brunswick. 1900. Surface geology. (Comprises parts of Victoria, Carleton, York, and Northumberland counties.) Scale: 4 miles to 1 inch. See part M.

697. Map-sheet No. 1 N.W. Fredericton sheet. Province of New Brunswick. 1900. Surface geology. (Comprises parts of Carleton, York, Sunbury, and Queens counties.) Scale: 4 miles to 1 inch. See part M.


**Contains, in addition to preliminary reports noted elsewhere under the final reports:**

Notes by the director on tests of mica (Quebec) by W. R. Duncan; molybdenite (Quebec and Ontario); and auriferous black sands (Attin district, B.C.) by J. B. Porter; discovery of salt near St. Gregoire, Nicolet county, Quebec; the Crownest coal-field, and recent discoveries of coal in British Columbia; coals in the Yukon district; and the Canadian mineral exhibit at Paris.

Explorations of Stewart river from its mouth to Fraser falls, Yukon river between Stewart and Cliff creek, and the White Horse copper deposits, Yukon Territory. By R. G. McConnell.

Work in the area of the West Kootenay sheet (maps Nos. 791 and 792) British Columbia, and notes on the rocks observed during a reconnaissance trip from Penticton to Grand Forks, B.C. By R. W. Brock.

Work in the Crownest Pass coal-field, British Columbia (see map No. 767). By J. McEvoy.

Explorations in the region southwest of Port Arthur, Ontario, extending to the International boundary; with notes on an examination of the iron ore deposits of Minnesota, U.S.A. By W. McInnes.

Work in the Michipicoten district, lake Superior, Ontario. By R. Bell.

Work in the Muskoka district, Ontario. By W. A. Parks.

† See foot-note on p. 32.
Notes on work in the Muskoka, Haliburton, and Bancroft districts, Ontario. By A. E. Barlow.
Work in the areas of the Ottawa and Cornwall sheet (map No. 903) and the Brockville sheet (sheet 114, not published), Ontario. By R. W. Els.
Work in the Lake St. John district, Quebec. By G. A. Young.
Notes on insects collected by John Macoun from Sable island, Nova Scotia, and Algonquin park, Ontario. By J. Fletcher.


Note: Commencing with this volume, the separates were published in both English and French.
Contains the following reports and an index (with addendum for part DD):


Note: French edition of separate erroneously bears the number "1059" on title-page, and map No. 785 is not bound with it.
For preliminary reports see Nos. 673 or 674, 690 or 691.


Note: References to this report were omitted in the main index of the volume, but are contained in "addendum" following it.
For preliminary report see No. 673 or 674.


Note: English bound with No. 787, French with No. 1233. For preliminary report see No. 613 or 614. Through error the number "786" is also printed on part F, Annual Report, 1902-03.

NOTE: For preliminary report see No. 690 or 691. Nos. 786, 787 English, are bound together, with cover-title: "Reports on the northeastern portion of the district of Saskatchewan and adjacent parts of the districts of Athabaska and Keewatin (Grass River map, No. 776)." With map No. 766. The cover of the French separate, containing Nos. 1169 and 1235, bears only the title of report No. 1169, and number is printed "116." Title-page of No. 1233 bears no number.


NOTE: For preliminary reports see Nos. 582 or 583, 613 or 614.


Note: For preliminary reports see Nos. 673 or 674, 690 or 691, 716 or 717.

†799. (E) Report upon the Carboniferous system of New Brunswick with special reference to workable coal. Published in English 1902 (dated 1903 on cover), and French 1913. Ottawa. pp., English 38, French 44. With 1 illustration and appendix. By L. W. Bailey. Appendix. Publications relating to the Carboniferous system of New Brunswick. [Compiled by L. W. Bailey.]

NOTE: English bound with No. 803, French with No. 1258. For preliminary report see No. 673 or 674.


1058. (F) Section of mines. Annual report for 1900. Published in English 1902 (title-page, dated 1901), and French 1908. Ottawa. pp., English and French 190. With folding sheet (mineral production) and 7 statistical diagrams. By E. D. Ingall.

NOTE: Title-page of French separate erroneously bears the number "744."

Accompanying Maps, Plan, and Sections:


NOTE: Map No. 742 covers the same area. See also index-map No. 917.


NOTE: Published separately. No report. General note printed on map. For work in area see Ellis in part A, also in Nos. 632 or 644, 673 or 374, 690 or 691, and Giroux in Nos. 592 or 583, 613 or 614.

†785. Sketch map of the northern portion of the Labrador peninsula, from exploratory surveys by A. P. Low and Eskimo sketches collected in 1899. (Corrected reprint of map No. 758.) 1902. Scale: 50 miles to 1 inch.
province of Quebec. 1903. Scale: 8 miles to 1 inch. See part D.

779. Sheet I. (Title as above.) Comprises the east coast of Hudson bay from Hudson strait to lat. 59°.

780. Sheet II. (Title repeated.) Comprises the east coast of Hudson bay from lat. 59° to lat. 55°.

781. Sheet III. (Title repeated.) Comprises the east coast of Hudson bay from lat. 55° to lat. 51°.

†760. Geological map of portions of Saskatchewan, Athabasca, and Keewatin districts. (Grass River map). 1902. Scale: 8 miles to 1 inch. See parts F and FF.

†702. Geological map of the basin of Nottaway river, northwestern Quebec. 1903. Scale: 10 miles to 1 inch. See part K.

777. Geological and petrographical plan and sections of Shefford mountain, Shefford county, Que. 1902. Scale: 40 chains to 1 inch. See part L.


With maps Nos. 751 to 758, 760, 764, sheet of sections No. 759, and 5 other illustrations. Map No. 767 was published separately in 1902 to accompany this report. By R. Bell.

Note: This is the first Summary Report in which the individual reports appear under distinct headings with the names of the writers. Part of the English edition was published without the maps, which were issued later in a portfolio, including map No. 767. For reference purposes in this and subsequent Summary Reports the letter "A" for director's summary and numbers for officers' reports (not printed in text) are prefixed to those reports which have been included in the "Key to publications" of the different provinces.

Contains report of the director and the following officers' reports (no index):


[ii] The geology of the region adjoining the western part of the International boundary. By R. A. Daly.


[iv] Crows Nest coal fields. With sheet of sections No. 759. (See also map No. 767.) By W. W. Leach.


[vi] Region south-east of lac Seul. [Ont.]. By W. McInnes.


Note: Includes report by F. T. Shatt on soil from Black river, a branch of the Abitibi river, lat. 48° 38', long. 80° 27'.

[xi] Eastern part of the Abiiibi region [Que.]. With map No. 760. By J. F. E. Johnston.


[xvi] On borings for natural gas, petroleum, and water; also notes on the surface geology of part of Ontario. By R. Chalmers.


[xviii] Petrography of Shefford and Brome mountains [Que.]. By J. A. Dresser.


Notes: Includes letter from G. F. Matthew giving his opinion regarding the rocks of York and Carleton counties.


[xxiii] Kings and Hants counties, Nova Scotia. With map No. 764. (See also maps Nos. 838, 841, 1133.) By H. Fletcher.

[xxiv] Nova Scotia gold fields. (See maps Nos. 1038, 1043, and plan No. 844.) By E. R. Faribault.


The progress of mining in Canada in 1901. By E. D. Ingall.


[xxvii] Artesian wells, palaeontology, archaeology, bibliographies, etc. Work by H. M. Ami.


The library. By J. Thorburn.

Notes: The accompanying maps were also issued both in part A. and portfolio of Annual Report, 1901, and are listed with that volume (No. 907).

Annual Report (new series), volume XIV, 1901. Published only in English. Ottawa, 1906 (dated 1905). 8vo. pp. xii, 1130. With folding sheet, 8 statistical diagrams, and 60 other illustrations. Accompanied by portfolio containing maps Nos. 751 to 758, 760, 764, 772, 775, 789, 791, 792, 820, 824, 825, 833, 864, 874, 875, 885, 886, sheet of sections No. 759, and diagram No. 876. Map No. 767 was published separately.

Contains the following reports and an index:


Notes: Number on title-page of English separate erroneously printed "744". Contents listed under No. 761.


Notes: For preliminary reports see Nos. 673 or 674, 687 or 688, 690 or 691, 716 or 717, 865 or 866. Part of the French edition was issued in advance without the maps.


Notes: For preliminaries see Nos. 673 or 674, 687 or 688, 690 or 691, 716 or 717, 865 or 866. Part of the French edition was issued in advance without the maps.

Appendix II. List of plants collected by D. B. Dowling at the mouth of the Ekwan and Albany rivers, 1901 (misprinted "1891"). By John Macoun.

Note: The map referred to in this report has been incorporated in map No. 814 which accompanies part A, Annual Report, vol. XV, 1902-03. Map No. 751 is a sketch-map of the same district. For preliminary report see No. 761 or 762, and for report on fossils, No. 850 (5.A2.A3).


Note: A revised edition of this report was published in 1908. See No. 961. For preliminary reports see Nos. 761 or 762, and 816 or 817. Letter "H" omitted from pages of report.


Note: For summaries of preliminary work see Nos. 582 or 583, 613 or 614, 632 or 644.


Note: For preliminary report see No. 716 or 717.


Note: Includes special article on platinum by T. C. Denis, reprinted with additions in No. 818.

Accompanying Maps, Sections, and Diagrams:

752. Sketch map of Salmon River gold field, Yukon Territory. 1901. Scale: 2 miles to 1 inch. See part A.

Note: See also index-map No. 917.

753. Sketch map of Sixymile River gold-fields. 1901. Scale: 6 miles to 1 inch. See part A.

Note: See also index-map No. 917.

759. Sections of coal-measures, Crows Nest coal fields. 1901. Scale: 300 feet to 1 inch. See part A.

Note: Omitted by mistake from some copies of the volume.

767. Geological and topographical map of Crows Nest coal-fields, East Kootenay district, B.C. 1902. (Preliminary edition.) Scale: 2 miles to 1 inch. See part A.

Note: Published separately. Not included in portfolio. Illustrates also preliminary report by J. McEvoy in part A, Annual Report, 1900. See also map No. 1377.

751. Sketch map showing exploration of Ewan (Ekwan) and Trout rivers and west coast of James bay. 1901. Scale: 50 miles to 1 inch. See part A.

†760. Sketch map of the Lake Abitibi region. 1901. Scale: 16 miles to 1 inch. See part A.
Geological sketch map of parts of Kings and Hants counties, N.S. 1901. Scale: 2 miles to 1 inch.

The following four index-maps, Nos. 754, 755, 756, and 757, accompanying part A, were printed for distribution with the list of publications, and were issued with the supplementary list (No. 811) dated 1903. Scale: 50 miles to 1 inch.

Index map of southern British Columbia. To accompany the list of publications. 1901. Scale: 50 miles to 1 inch.

Index map of northwestern Ontario. To accompany the list of publications. 1901. Scale: 50 miles to 1 inch.

Index map of New Brunswick, Prince Edward Island, and part of Quebec. To accompany the list of publications. 1901. Scale: 50 miles to 1 inch.

Index map of Nova Scotia. To accompany the list of publications. 1901. Scale: 25 miles to 1 inch.

Sketch map of the northern portion of the Labrador peninsula, from exploratory surveys by A. P. Low and Eskimo sketches collected in 1899-1900-1901. Scale: 50 miles to 1 inch. See part A. Note: Longitude "79°" at top of map should read "80°". See corrected edition of map (No. 785) which, however, has the same error. The separate of part A, Annual Report, vol. XIV, was published before part D, Annual Report, vol. XIII, which accounts for the appearance of the original map with vol. XIV, instead of with vol. XIII.

Geological and topographical map of the Klondike mining district, Yukon Territory. 1905. Scale: 2 miles to 1 inch. See part B. Note: Reprinted in 1915 for French edition of the report, but omitted by mistake.

Map of Klondike district and vicinity to illustrate report on water supply. 1905. Scale: 8 miles to 1 inch. See part B. Note: Reprinted in 1915 for French edition of the report. See also index-map No. 917.

Topographical map of the Klondike mining district, Yukon Territory, showing distribution of high-level auriferous gravels. 1905. Scale: 2 miles to 1 inch. See part B. Note: Reprinted in 1915 for French edition of the report. See also index-map No. 917.

Geological map of a portion of the Sudbury mining region, district of Algoma, Ont. (Victoria Mines map). 1903. Scale: 1 mile to 1 inch. See part H.

Geological map of a portion of the Sudbury mining region, districts of Algoma and Nipissing, Ont. (Sudbury map). 1904. Scale: 1 mile to 1 inch. See part H.

Geological map of the vicinity of Copper Cliff, Sudbury mining district, Ontario. 1903. Scale: 400 feet to 1 inch. See part H. In two sheets, as follows:

824. North sheet.
825. South sheet.

Geological map of the vicinity of Elsie and Murray mines, Sudbury mining district, Ontario. 1904. (Connects with map No. 824.) Scale: 400 feet to 1 inch. Note: Second editions of maps Nos. 775, 820, 824, 825, and 864 were published in 1907 to accompany the revised edition (No. 961) of part H.


Geological map of Pictou coal field, Nova Scotia. 1904. Scale: 25 chains to 1 inch. See part J.

Geological map of the island of Montreal and vicinity. Province of Quebec. 1905. Scale: 4 miles to 1 inch. See part O.
875. Map of the city of Montreal and vicinity, showing location of wells. 1904.
   Scale: 3,000 feet to 1 inch. See part O.

876. Graphic diagrams showing the relations of certain groups of wells in the city
   of Montreal and vicinity. 1904. Vertical scale: 150 feet to 1 inch.
   Note: Not issued separately.

791. West Kootenay sheet, British Columbia. 1903 (dated 1902). Economic
   minerals and glacial strata. Scale: 4 miles to 1 inch.
   Note: A second edition was issued in 1908.

   Scale: 4 miles to 1 inch.

816. (E) Summary Report of the Geological Survey Department of Canada
   for the calendar year 1902. Published in English and French, Ottawa, 1903.
   8vo. pp. English vi, 482, French vi, 503. (Blue-book form.) With maps Nos. 801, 804, 805, 808, 809, 810, 812, 814, plan
   No. 802, section No. 806, and 8 other illustrations. By R. Bell.
   Note: Through error, the French edition bears the number "947".
   See note under No. 781 regarding numbers prefixed to some of the
   individual reports.
   Contains the following reports and an index:
   [A] Report of the director, including notes on roofing slate of the
   Melbourne region, Eastern Townships, Quebec; and report on the work
   of the Committee of the Royal Society of Canada on the nomenclature of geological formations in Canada.
   [i] The Macmillan river; Yukon district. With map No. 805. By
   R. G. McConnell.
   Note: Includes report by R. F. Stupart on the climate of Dawson.
   [iii] Geology of the west coast of Vancouver island. By A. Webster.
   [v] Preliminary report on the Boundary Creek district, British Columbia.
   (See maps Nos. 828 and 834.) By R. W. Brock.
   [viii] The region south-west of Fort Smith, Slave river, N.W.T. By
   G. Cammell.
   By W. W. Leach.
   Note: Contains notes on coal-mining; brick, cement, and plaster
   industries. For descriptions of fossils see No. 956 (5.B1).
   [xi] Notes to accompany a contoured plan of the lower slope of Turtle
   [xii] A geological reconnaissance about the head-waters of the Albany
   [xv] Reconnaissance surveys of four rivers south-west of James bay.
   With map No. 814, and 2 other illustrations. By W. J. Wilson.
   Note: Includes "List of plants collected by W. J. Wilson along
   the shore of James bay and in the valley of the Kapiseau river",
   by John Macoun, and list of insects by J. Fletcher.

NOTE: Includes "Notes on drillings obtained in six diamond-drill bore-holes in the bed of the St. Lawrence river at Victoria cove, Sillery, eight miles above Quebec city, Quebec", and "Preliminary report on the geological formations in the vicinity of the Quebec Bridge piers and abutments, Victoria cove, Sillery, Que."

[xxviii] Surveys and explorations in Richmond, Cape Breton, Kings, Cumberland, and other counties of Nova Scotia. With map No. 812. (See also maps Nos. 124, 202, 204, 205, 600, 610, 641, 654, 793 to 796, 837, 838, 879, 1037, 1134, 1185.) By H. Fletcher.
[xxix] Nova Scotia gold fields. With section No. 806. (See also maps Nos. 381, 383, 384, 390, 550, 551, 592, 634, and plans Nos. 647, 666, 832, 843, 867, 945, 1043.) By E. R. Faribault.

Chemistry and mineralogy. By G. C. Hoffmann.
Palaeontological work. By L. M. Lambe.
Natural history of the International boundary (49th parallel). By J. M. Macoun.
The library. By J. Thorburn.

NOTE: The accompanying maps were also issued with part A and in portfolio of Annual Report, 1902-03, and are listed under that volume (No. 911).


NOTE: Probably also published in French, but no copy was seen. See note under No. 761 regarding numbers prefixed to some individual reports.

Contains the following reports and an index:
[A] Report of the director, including notes on the rock-slide at Frank, Alberta; amygdaloïd in Manitoba; the discovery of silver and cobalt at Lyon's lake (Cobalt lake), about 5 miles southward of Haileybury, on the west shore of Timiskaming lake, Ontario; publications of the Geological Survey on economic minerals, with a detailed list of same;
the Geological Survey exhibit at Dominion of Canada Industrial Exhibition, Toronto; utilization of low-grade phosphate rock (Palmer process); the International Geological Congress; analysis of contents (other than statistics) of the annual reports of the Mines section.

[i] Klondike district, Yukon Territory. (See appendix No. [xviii].) By R. G. McConnell.

[ii] The Lardeau district, B.C. With map No. 853, and 1 other illustration. (See also map No. 1147.) By R. W. Brock.


Note: Area is now included in Ontario.


[xi] Surface geology of the southern part of the province of Quebec. By R. Chalmers.

[xii] Geology of Yamaska mountain [Que.]. By G. A. Young.


[xv] Northern part of Nova Scotia. (See maps Nos. 192, 199, 230, 600, 793 to 796, 812, 826, 840, 879, 1037.) By H. Fletcher.


Chemistry and mineralogy. By G. C. Hoffmann.

Work of the mines section. By E. D. Ingall.

[xvii] Bruce Mines district [Ont.]. By E. D. Ingall.


Vertebrate palaeontology. By L. M. Lambe.

Botany and ornithology. By John Macoun.

The library. By J. Thorburn.


Note: An appendix to [i] above.

Note: (to Summary Report, No. 865): The accompanying maps were also issued with part AA and in portfolio of Annual Report, 1902-03, and are listed under that volume (No. 911).

Annual Report (new series), volume XV, 1902-03. Published only in English. Ottawa, 1907 (dated 1906). 8vo. pp. x, 1123. With 2 folding sheets, 8 statistical diagrams, and 23 other illustrations. Accompanied by portfolio containing maps Nos. 501, 504, 505, 506, 508, 809, 810, 812, 814, 842, 844, 846, 847, 852, 853, 862, plans Nos. 802, 848, and sections Nos. 806, 823, 849, 850. Maps Nos. 828 and 834 were issued separately. Contains the following reports and an index:

Summary Report on the operations of the Geological Survey for the calendar year 1902. Published in English 1903, and French 1908.

1056. (F) With table of contents, maps Nos. 842, 845, 846, 847, 852, 853, 862, plan No. 848, sections Nos. 849, 850, 6 other illustrations, and an index (in separate). (Reprint from blue-book.) By R. Bell.

Note: Contents listed under No. 856.


856. By J. M. Macoun.

Appendix I. Table showing minimum temperatures between June 12th and September 5th, 1903. By J. M. Macoun.

Appendix II. Extract from meteorological observations made by Dr. G. M. Dawson in 1879.

Appendix III. Preliminary report, on soil and sub-soil, collected near Saskatoon or Service-berry lake at the west end of the Grande Prairie, lat. 55° 15', long. 119° 13', Peace River district. By F. T. Shutt.

Note: This report (E) is not included in Annual Report, vol. XV. For preliminary report see No. 865 or 866.


Note: English separate erroneously bears the number "786", and the French "1152". Region described is now included in Saskatchewan.

835. (S) Section of mines. Annual report for 1902. Published only in English, Ottawa, 1904 (dated 1903 on title-page). pp. 280. With 2 folding tables (mineral production and analyses of manganese ores), 8 statistical diagrams, and an index (in separate). By E. D. Ingall.

Note: Includes special articles by T. C. Denis on infusorial earth (reprinted in No. 857), coal-fields of Canada (reprinted in No. 851), manganese (reprinted in No. 858), and salt deposits of Canada (reprinted in No. 859), and by E. D. Ingall on the geology of the Bruce Mines district [Ont.] (reprinted from No. 816, [xvii]), and zinc-ore deposits (reprinted in No. 860).

Accompanying Maps, Plans, and Sections:

810. Map of the Dominion of Canada, showing progress of field operations by the Geological Survey 1843-1903. 1903. Scale: 250 miles to 1 inch.

See part A.

805. Map of a portion of the Yukon Territory showing explorations on Macmillan, Pelly, and Stewart rivers. 1903. Scale: 8 miles to 1 inch.

See part A.

Note: See also index-map No. 917.

828. Geological and topographical map of Boundary Creek mining district, British Columbia. 1905. Scale: 1 mile to 1 inch.

See part A.

834. Topographical map of Boundary Creek mining district, British Columbia. Economic minerals and glacial strie. 1903. Scale: 1 mile to 1 inch.

See part A.

Note: The above two maps (Nos. 828 and 834), published separately, illustrate report by R. W. Brock.
Geological sketch-map of part of the Blairmore-Frank coal-fields, southern Alberta. 1903. Scale: 180 chains to 1 inch. See part A.

Orographic map showing contour of lower slope of Turtle mountain, Manitoba, in ranges XVIII to XXIV, west of initial meridian. 1903. Scale: 1½ miles to 1 inch. See part A.

Map of part of northern Ontario and eastern Keewatin south west of James bay. 1903. Scale: 16 miles to 1 inch. See part A.

Sketch map of part of southwestern Ontario, showing shore-lines of ancient Great Lakes. 1903. Scale: 24 miles to 1 inch. See part A.

Sketch plan of Gaspé oil-fields, showing location of wells. 1903 (dated 1902). Scale: 2 miles to 1 inch. See part A.

Note: Reprinted for the Mines Branch in 1914.

Geological outline map of Prince Edward island and adjacent portions of New Brunswick and Nova Scotia showing supposed lines of anticlines. 1903. Scale: 16 miles to 1 inch. See part A.

Preliminary geological map of part of Springhill coal field, Cumberland county, N.S. 1903. Scale: 50 chains to 1 inch. See part A.

Transverse vertical section through main shaft and cross-cuts, Bluenose gold mine, Goldenville, Nova Scotia. 1903. Scale: about 68 feet to 1 inch. See part A.

Sketch map showing Larderou and Trout Lake mineral belts, West Kootenay district, B.C. 1904. Scale: 8 miles to 1 inch. See part AA.

Map of part of the country between the Peace and Athabaska rivers. 1904. Scale: 32 miles to 1 inch. See parts AA and E.

Sketch map showing Cretaceous coal-bearing rocks at headwaters of Elbow river, Sheep creek, and Kananaskis river, District of Alberta. 1904. Scale: 2 miles to 1 inch. See part AA.

Map of part of the district of Keewatin showing survey of the Winisk river. 1904. Scale: 16 miles to 1 inch. See part AA.

Map of part of northwestern Ontario, north of lake Superior. (Preliminary edition.) 1904. Scale: 16 miles to 1 inch. See part AA.

Note: Map No. 964 covers the same area.

Geological map of the Northeast Arm and Vermilion iron ranges. Lake Timagami, district of Nipissing, Ontario. 1904. Scale: 40 chains to 1 inch. See part AA.

Plan of the recent landslide on Lièvre river, near Buckingham, P.Q. 1904. Scale: 12 chains to 1 inch. See part AA.

Map showing the older copper-bearing rocks of southern Quebec. 1904. Scale: 10 miles to 1 inch. See part AA.

Dolliver Mountain mine, Upper Isaacs Harbour gold district, Guysborough county, Nova Scotia. Transverse section through vertical shaft and cross-cut, showing structure of new saddle veins developed and proving their recurrence in depth. 1904. Scale: 25 feet to 1 inch. See part AA.

Transverse section, West Lake mine, Mount Union gold district, Halifax county, Nova Scotia. 1904. Scale: 10 feet to 1 inch. See part AA.

Sections of the Souris coal-field, district of Assiniboia. 1903. Vertical scale: 50 feet to 1 inch; horizontal scale: 1½ miles to 1 inch. See part F.


Note: See note under No. 761 regarding numbers prefixed to individual reports.

Contains the following reports (no index):

[A] Report of the director, including detailed list of Geological Survey publications referring to peat, lignite, bituminous and oil shales, natural
gas, and petroleum in the provinces of Quebec, Ontario, and Manitoba; notes on the work of the committees on geological nomenclature and the correlation of rock formations, with synopsis of report of the special committee for the Lake Superior region; observations on the practical character of the work of the department; Provincial mining bureaus; and notes on petroleum and natural gas.


[ii] The Duncan Creek mining district. (Stewart river, Yukon Territory.) With map No. 891. By J. Keele.


[ix] The government expedition to Hudson bay and northward by the S.S. Neptune, 1903-04. Geology and Natural History. (See map No. 906.) By A. P. Low.

[x] Country around the headwaters of the Severn river [Ont.]. With map No. 889. By C. Camell.

[xi] The upper parts of the Winisk and Attawapiskat rivers [Ont.]. By W. McInnes.

NOTE: Includes list of shells by J. F. Whiteaves. See No. 492.


NOTE: Published as a separate under same title, but with name printed "W. McInnes". Repaged.


[xiv] Geology of the country around Bruce Mines [Ont.]. With map No. 898. By E. D. Ingall and T. C. Denis. See also appendix I (No. xxxxi).


[xvi] On surveys between Rabbit and Timagami lakes [Ont.]. By G. A. Young.


NOTE: Contains description of Cobalt mining district, Ont.


[xx] Geology of part of the county of Ottawa [Que.]. (See Map No. 1062.) By E. Haycock.

[xxi] Geology of part of the county of Ottawa [Que.]. By J. F. E. Johnston.


Botanical work. By J. M. Macoun.


Appendix. Preliminary list of the fossils collected by Professor L. W. Bailey from various localities in the province of New Brunswick during 1904. By H. M. Ami. See also No. 493.

The counties of Cumberland, Hants, Kings, and Annapolis, Nova Scotia. With map No. 897. (See also maps Nos. 185, 187, 600, 641, 653, 654, 812, 836, 840, 1133, 1134, 1185.) By H. Fletcher.

NOTE: Includes "Iron ores of Torbrook and Nictaux", with map and table of analyses. See also appendix II (No.[xxxiii]) and No. 493.

Gold fields of Nova Scotia. (See plan No. 937, and map No. 611.) By E. R. Faribault.

On the meteorite which fell near the village of Shelburne, township of Melancthon, Ontario, in August, 1904. By R. A. A. Johnston.

Chemistry and mineralogy. By G. C. Hoffmann.

Mapping and engraving. (Includes notes on traverse lines run between Port George and Bridgewater and between Middleton junction and Hantsport, Nova Scotia.) By C. O. Sénécal.

Paleontology and zoology. By J. F. Whiteaves.

Vertebrate paleontology. By L. M. Lambe.

NOTE: Includes summary of field-work in Cypress hills, Saskatchewan, with notes on the fossils collected.

The library. By J. Thorburn.

Mines section. By E. D. Ingall.

Appendix I. Assays of ore referred to in Mr. Ingall's report. (See No. [xiv].) By M. F. Connor.

Appendix II. Notes on a collection of organic remains from the terrigenous and friable shales of Messenger brook, Torbrook, near county-line between Kings and Annapolis, south of Kingston, in Kings county, Nova Scotia, collected Nov. 24th, 1902, by Hugh Fletcher. By H. M. Ami.

NOTE: Appendix to No. [xxviii]. Reprinted in No. 493.

Appendix III. Description of a species of *Bythotrephis* from the dark-gray calcareous and indurated slates collected by Mr. J. B. Tyrrell from a locality along the Unihani river, seven miles north of Dalton's Post, Yukon district, Canada. By H. M. Ami.

NOTE: "J. B. Tyrrell" misprinted "J. D. Tyrrell" in title.

Appendix IV. Determinations of fossil plants from various localities in British Columbia and the North-West Territories, by Professor D. P. Penhallow of McGill university, Montreal, with notes on the geological horizons indicated, by H. M. Ami.

NOTE: Reprinted in No. 493.

I. Notes on a small collection of organic remains from the Messenger Brook shales, Torbrook district, Nova Scotia.

II. Notes on the geological horizons indicated by the fossil plants recently determined by Prof. Penhallow from various localities in British Columbia and the North-West Territories, Canada.

III. Description of a presumably new species of *Bythotrephis* (B. *Yukonensis*) from the Unihani River shales, Yukon Territory.

IV. Preliminary lists of fossil remains from various localities and horizons in New Brunswick:


NOTE: Reprint of Nos. [xxxiii], [xxv], [xxxiv], [xxxvii], respectively, *Summary Report, 1904*. Repaged. Caption title of I differs from that in *Summary Report* and on cover of separate, and has an additional note.

NOTE (to *Summary Report, No. 899*): The accompanying maps
were also issued both in part A and portfolio of Annual Report, 1904, and are listed with that volume (No. 952).


Note: This volume was the last published of the “new series”. All subsequent reports were issued as separate publications. After 1904, the Summary Reports on the work of each year were issued only in blue-book form.

Contains the following reports and an index:

Note: Contents listed under No. 899. Map No. 898 is omitted from the separate.


Note: This report was reprinted, without revision, in 1912. Map No. 921 in the reprint is the 2nd edition. For preliminary report see No. 947 [v].

943. (E) (C) Report on the upper Stewart River region, Yukon. Published in English 1907 (dated 1906), and French 1913 (dated 1912), Ottawa. pp., English ii, 23, French 31. With map No. 938, 4 other illustrations, and appendix. By J. Keele.

Appendix. List of butterflies and moths collected in the Yukon Territory by J. Keele 1904-05. Determined by J. Fletcher.

Note: Separate bound with No. 951. For preliminary report see No. 947 [vi].


Note: For preliminary report see No. 947 [vii]. Nos. 943 and 951 are bound together, with cover-title: “Reports on the Upper Stewart River region, Yukon, by J. Keele; and on the Peel river and tributaries, Yukon and Mackenzie, by C. Camseall.”

902. (E) (G) Report on the geology of Brome mountain, Quebec. Published in English 1907 (dated 1906), and French 1912, Ottawa. pp., English 22, French 25. With map No. 901. By J. A. Dresser.

Note: For preliminary report see No. 761 or 762.


Note: For preliminary report see No. 855 or 856.


Note: The separate (erroneously numbered “894”) contains folding sheet: “Mineral production of Canada, calendar years 1858 to 1903.” For field-work see No. 893 or 896.

**Accompanying Maps:**

894. Sketch map of Kluane mining district, Yukon Territory. 1905. Scale: 6 miles to 1 inch. See part A.

Note: See also index-map No. 917.
891. Map of a portion of the Duncan Creek mining district, Yukon Territory. 1905. Scale: 6 miles to 1 inch. See part A.

890. Geological map of the coal basins of Quilchaena creek, Coldwater river, Coal gulch, and Ten Mile creek, Nicola valley, Yale district, B.C. 1905. Scale: 1 mile to 1 inch. See part A.

892. Geological map of Costigan coal field, Alberta. 1905. Scale: 40 chains to 1 inch. See part A.

889. Sketch map showing explorations from lac Squal to Severn lake, Keewatin. 1905. Scale: 16 miles to 1 inch. See part A.


921. Sketch map of the Bruce mines, Desbarats district, Algoma, Ontario. 1905. Scale: 2 miles to 1 inch. See part A.

920. Map of part of the Ontario interlake peninsula, showing shore-lines of ancient Great Lakes, 1906. Scale: 8 miles to 1 inch. See part A.

897. Preliminary geological map of the Nictaux and Torbrook iron district, Annapolis co., N.S. 1905. Scale: 25 chains to 1 inch. See part A.

921. Geological map of Graham Island coal field, British Columbia. 1906. Scale: 80 chains to 1 inch. See part B.

922. Geological map of Graham Island coal field, British Columbia. 1906. Scale: about 4 miles to 1 inch. See part B.

938. Geological and topographical reconnaissance map of Upper Stewart River region, Yukon Territory. 1907 (dated 1906). Scale: 8 miles to 1 inch. See part C.

942. Map of the Peel and Wind rivers, Yukon Territory. 1906. Scale: 8 miles to 1 inch. See part CC.

901. Geological and petrographical map of Brome mountain, Brome county, Que. 1906 (dated 1905). Scale: 40 chains to 1 inch. See part G.

887. Geological and petrographical map of Yamaska mountain, Rouville county, Que. 1906 (dated 1905). Scale: 20 chains to 1 inch. See part H.


Note: Through error the French edition bears the number "947." See note under No. 761 regarding numbers prefixed to individual reports.

Contains the following reports (no index):

[A] Report of the director, including notes on the International Geological Committee and Canadian committee on geological nomenclature; summary of mineral production of Canada in 1906 (advance statement); petroleum and natural gas; Canadian economic minerals at the Liège (Belgium) International Exhibition; hydraulic cement; and utilization of low-grade fuels.


Note: This report was issued in advance as a separate. See No. 909.


NOTE: By mistake the work is stated to have been done in 1904, instead of in 1905.

[v] The Unuk River mining region of British Columbia. By F. E. Wright.

NOTE: Map referred to in this report has not yet been published.


[x] The surface geology of Manitoba, Saskatchewan, and Alberta. By R. Chalmers.


[xiii] The headwaters of the Winisk and Attawapiskat rivers [Ont.]. (See map No. 1089.) By W. McInnes.


[xvii] Niagara falls and Niagara district [Ont.]. By J. W. Spencer.


[xx] Geology of parts of the counties of Labelle and Wright, Quebec. By E. Haycock. (See Maps Nos. 1062, 1063.)


NOTE: Includes also notes on occurrences of copper ore in Wolfe, Arthabaska, and Megantic counties, Quebec.


[xxiv] Geographical work in the northwestern parts of Nova Scotia. (See maps Nos. 600, 653, 654, 840, 934, 897, 1132, 1185.) By H. Fletcher.


Chemistry and mineralogy. By G. C. Hoffman. See also No. 958.

Paleontology and zoology. By J. F. Whiteaves.


NOTE: Includes: "Note on the age of the Horsefly, Similkameen, and Tranquille Tertiary beds of the southern interior of British Columbia.

The botany and climate of the northwest side of the lower St. Lawrence. By John Macoun.

Botanical work on the southern boundary of British Columbia. By J. M. Macoun.


The library. By John Thorburn.
Accompanying Maps:

917. Map of the Yukon Territory. 1906. Scale: 32 miles to 1 inch.

Notes: The areas covered by maps Nos. 275, 276, 277, 310, 311, 312, 313, 711, 742, 753, 805, 885, 886, 891, 894, 916, 938, 942, are indicated on this map. For area indicated as covered by map No. "937" the map-number should read "942".

†916. Sketch map of Windy Arm mining district. Yukon Territory. 1906. Scale: 2 miles to 1 inch.

Notes: See Nos. i and 909.

915. Map of part of southwestern coast of Hudson bay from York Factory to Fort Severn. 1906. Scale: 16 miles to 1 inch.

Notes: See also index-map No. 917.

†959. (F) Summary Report of the Geological Survey Department of Canada for the calendar year 1906. Published in English 1907 (dated 1906), and French 1908 (dated 1906), Ottawa. 8vo. pp., English vi, 206, French vi, 214. (Blue-book form.) Maps Nos. 1007 and 1009, to accompany this report, were published separately in 1908. By A. P. Low.

Note: See note under No. 761 regarding numbers prefixed to the individual reports.

Contains the following reports and an index:

[A] Report of the director, including notes on a trip to Cobalt, Ont.; the relations between the Geological Survey and the Ontario Department of Mines; inspection work in British Columbia; visit to Mexico with the International Geological Congress; International Nomenclature Committee; and the mining industry in 1906.


[iv] The Telkwa mining district, B.C. (See map No. 1392.) By W. W. Leach.

[v] The Similkameen district, B.C. By C. Camsev.


[vii] Rocky Mountain coal areas, between the Bow and Yellowhead passes [Alberta]. By D. B. Dowling.


[x] Explorations along the proposed line of the Hudson Bay railway [Man.]. By W. McNees.


[xii] On surveys along the National Transcontinental Railway location between lake Nipigon and lac Seul [Ont.]. By W. H. Collins.

[xiii] Cobalt district and northward. By R. Bell.


[xv] On explorations along the proposed line of the Transcontinental railway from lake Abitibi, eastward [Que.]. By W. J. Wilson.


Chemistry and mineralogy. By G. C. Hofmann.

Mines section. By E. D. Ingall.

Western oil, gas, and coal fields. By T. C. Denis.

Paleontology and zoology. By J. F. Whiteaves, including reports by L. M. Lambe and H. M. Ami. Notes: Area covered by map is now included in the province of Manitoba.

Natural History branch. By John Macoun.


Chemistry and mineralogy. By G. C. Hoffmann.

Mines section. By E. D. Ingall.

Western oil, gas, and coal fields. By T. C. Denis.

Paleontology and zoology. By J. F. Whiteaves, including reports by L. M. Lambe and H. M. Ami.

83
Shore lines between Georgian bay and the Ottawa river [Ont.]. By A. F. Hunter.

Peterborough and Simcoe sheets [Ont.]. By W. A. Johnston.

An area from lake Timiskaming eastward [Que.]. By M. E. Wilson.

Report on the district along the National Transcontinental railway from Bell river eastward [Que.]. By W. J. Wilson.

Explorations along the National Transcontinental Railway location from La Tuque westward [Que.]. By O. O'Sullivan.

Surface geology of the St. Lawrence valley. By R. Chalmers.

The serpentine belt of the Eastern Townships [Que.]. By J. A. Dresser.


The tin-bearing locality at New Ross, N.S. By G. A. Young.


The Lardeau district, British Columbia. See map No. 1147. By R. W. Brock.

NOTE: Includes notes on Rossland mining camp, West Kootenay district.

The chemical laboratory. By F. G. Wait.


NOTE: Contains notes on minerals new to Canada by R. A. A. Johnston; and on the Canadian mineral exhibit at the International Exhibition, Christchurch, New Zealand, by R. L. Broadbent.

Memorandum re coal tests. By J. B. Porter.


Vertebrate paleontology. By L. M. Lambe.

Natural History branch. By John Macoun.

The library.


Accompanying Maps (published separately from the report):

1033. Preliminary geological map of lower lake Laberge and vicinity, Yukon Territory. 1908. Scale: 1 mile to 1 inch. See No. i. Note: This map illustrates a part of report No. i. The area is included in map No. 1104, published in 1910.


Note: Also included in Geological Survey edition (English) of No. 1017.


Note: See note under No. 731 regarding numbers prefixed to individual reports.

Contains the following reports and an index:
[A] Report of the director, including notes on examinations of copper prospects in Lavant township, Lanark county, and at Eldorado, Hastings county, Ontario; the Huronian conglomerate of the Cobalt district, Ontario; official visit of the Honourable the Minister of Mines to southern British Columbia; excursion of the Canadian Mining Institute; examinations of mines in the Slocan district, Sheep Creek camp (see maps Nos. 1068 and 1074) in West Kootenay district, Ainsworth cave, and Rossland, B.C.; experimental boring on Prince Edward Island.

[i] Preliminary report on a portion of the Yukon Territory, west of the Lewes river and between the latitudes of Whitehorse and Tantalus. (See map No. 1033.) By D. D. Cairnes.


[iii] On a preliminary survey of the geology of the British Columbia coast from Kingcome inlet to Dean channel, including the adjacent islands. See map No. 1278. By R. P. D. Graham.


Topographical work on Texada island, B.C. By F. H. MacLaren.


Topographical work at St. Bruno, Que., and Phoenix, B.C. By W. H. Boyd.


[xi] Explorations on the Churchill river and South Indian lake [Sask.-Man.]. By W. McInnes.

[xii] Survey of the south coast of Hudson bay from the Severn river to cape Henrietta Maria. By O. O'Sullivan.


[xiv] Simcoe sheet, Ontario. With appendix. (See map No. 1199.) By W. A. Johnston.

Appendix. [List of fossils collected by W. A. Johnston at Longford and from the vicinity of Uphill, Ontario.] By E. O. Ulrich.


[xvi] Preliminary report on measurements of altitude of the Algonquin and Nipissing shorelines in Ontario, July 6-August 11, 1908. (In this report are embodied also eight measurements made later in the summer by F. B. Taylor and W. A. Johnston.) By J. W. Goldthwait and R. C. Jacobson.


[xviii] Lake Opasatica and the height of land [Que.]. By M. E. Wilson.

[xix] A geological reconnaissance along the National Transcontinental railway from the St. Lawrence river to the Interprovincial boundary between Quebec and New Brunswick. By J. A. Dresner.

[xx] Summary report on a district near Bathurst, N.B., and on the reported occurrence of gold in the Tobique country, Victoria co., N.B. By G. A. Young.


Note: Includes note on Permian rocks of Prince Edward Island.

[xviii] Southern part of Kings and eastern part of Lunenburg counties, N.S. By E. R. Faribault.

Note: Includes a short note on gold at Marsboro, near lake Megantic, Quebec, and description of the tungsten deposits of Moose River gold mines, Halifax county, N.S.

Water and borings branch. By E. D. Ingall.


Note: Includes list of new mineral occurrences.

Paleontology and zoology. By J. F. Whiteaves.


Note: Includes notes on fossils collected in the vicinity of Albert Mines, N.B., and Horton Bluff, N.S.

[xvi] Invertebrate paleontology. By H. M. Ami.

Note: Includes notes on certain areas of Carboniferous rocks in Antigonish county, N.S.

Archaeology and ethnology. (List of accessions to the museum.)

[xvii] Summary report dealing with the field work in connection with the collection of palaeontological material from the Devonian and lower Carboniferous of New Brunswick. By W. J. Wilson.


Note: Includes notes on the preservation of mine timbers.


Distribution branch.
The library.
Publications.

Accompanying Maps (published separately from the report):

1068. Sketch map of Sheep Creek mining camp, West Kootenay, B.C., 1910 (dated 1909). Geology. Scale: 1 mile to 1 inch. Sketch contours every 250 feet. See A.

†1074. Sketch map of Sheep Creek mining camp, West Kootenay, B.C. 1909. Topography. Scale: 1 mile to 1 inch. Sketch contours every 250 feet. See A.

Note: The above two maps (Nos. 1068 and 1074) illustrate the director's report on the Sheep Creek camp.

1278. Coast and islands between Queen Charlotte sound and Burke channel, British Columbia. 1914 (dated 1913). Scale: 4 miles to 1 inch. See No. iii.


Note: See note under No. 761 regarding numbers prefixed to individual reports.

Contains the following reports and an index:

[A] Report of the director, including notes on mining camps along the west coast of British Columbia, and in East and West Kootenay; on some mining districts in the Yukon Territory; Turtle mountain, Frank, Alberta; boring on Prince Edward Island (with logs of the wells, furnished by E. D. Ingall); oil prospects of Alberta; and Kootenay coal in northern Alberta.

[i] The Wheaton River district, Yukon Territory. (See map No. 1229a.) By D. D. Cairnes.
The Skeena River district [B.C.]. (See maps No. 1392 and 542d.) By W. W. Leach.

Texada island and Moresby island, B.C. By R. G. McConnell.


Salt spring island, and east coast of Vancouver island. By J. A. Allan.

Topographic work on Vancouver island. (See maps Nos. 1148 and 1149.) By R. H. Chapman.

Tulameen district, British Columbia. By C. Camsell.

Bearerdell district, west fork of Kettle river, British Columbia. By L. Reinecke.

A reconnaissance on the upper Fraser river between Fort George and Tete Jaune Cache. With sketch map. By G. S. Malloch.


Topographical work in the Slocan district, B.C. By W. H. Boyd.

Reconnaissance in East Kootenay, B.C. By S. J. Schofield.


Lac La Ronge district, Saskatchewan. By W. McInnes.

Simcoe district, Ontario. (See map No. 1199.) By W. A. Johnston.


Field studies on the Pleistocene deposits of southwestern Ontario By F. B. Taylor.


Larder lake and eastward [Ont.-Que.]. By M. E. Wilson.

Serpentine belt of southern Quebec. With diagrammatic section. By J. A. Dresser.

NOTE: This report was reprinted and published as a separate July 27, 1910. See No. 1144.


Oil-shales of eastern Canada. By R. W. Ells.

Bathurst district, New Brunswick. By G. A. Young.

Summary report of the work of the late Mr. Hugh Fletcher in northern Cumberland county, Nova Scotia. (See map No. 230.) Compiled from his journal by R. W. Ells.

NOTE: Includes notes on other localities.

Tungsten deposit of Moose river, Nova Scotia. With plan and section. (See also maps Nos. 634, 1025, and plans Nos. 643, 646, 995.) By E. R. Faribault.

NOTE: Includes notes on other localities in Nova Scotia.

Southern part of Lunenburg county, Nova Scotia. By E. R. Faribault.

NOTE: Includes notes by L. M. Lambe on Carboniferous fossils.

The clay and shale deposits of Nova Scotia, and portions of New Brunswick and Prince Edward Island. By H. Ries.

Clays and shales in the Maritime Provinces. By J. Keele.

Water and borings branch. By E. D. Iaggoll.

Section of mineralogy. By R. A. A. Johnston.

Arctic exploration. (List of specimens collected by Capt. J. E. Bernier during the cruise of the Arctic in 1908-09.) By R. A. A. Johnston.

Archeology and ethnology. (Additions to collections.)


Note: Includes field-work in New Brunswick and Gaspe, Quebec.


Natural History branch. By John Macoun.


Library. By J. Alexander.

Publications.


Note: See note under No. 761 regarding numbers prefixed to individual reports.

Contains the following reports and an index:

[A] Report of the director, including notes on important mineral discoveries and development during the year; Victoria Memorial Museum; gas near Moncton, N.B.; Porcupine district, Ontario; Turtle mountain, Frank, Alberta; the Hudson Bay route. (Observations made during a trip with His Excellency the Governor General.)

[i] Portions of Atlin district, B.C. With sketch map, plan, and section. By D. D. Cairnes.


Topographic work in the Portland Canal district, northern British Columbia. By G. S. Malloch.


Topographic work on Vancouver island. (See maps Nos. 1191 and 1193.) By R. H. Chapman.

[v] Parts of the Similkameen and Tulameen districts [B.C.]. By C. Camsell.


Topographical work in the Slocan and Deadwood districts [B.C.]. By W. H. Boyd.


[ix] Ice River district, British Columbia. By J. A. Allan.

[x] Lake Minnewanka section [near Banff, Alberta]. By H. Shimer.


[xii] Saskatchewan River district [Sask.]. By W. McNees.


[x] Serpentine belt of southern Quebec. By J. A. Dresser.
Note: Includes notes on natural gas near St. Hyacinthe, Que.
Note: Includes description of the new mineral, hexahydrite, and notes on awaruite, almandite, magnetite, axinite, altered amphibole, limonite, and diamond, with analyses.
Paleontological division. By L. M. Lamb.
Note: Includes notes on fossil plants from Nova Scotia as well as from New Brunswick.
Natural History division. By John Macoun.
Anthropological division.
II. Work among the Arctic Eskimos (Brief notes, and extract from letter, on work of V. Stefánsson).
Note: Reprinted in No. 1218b.
Library. By J. Alexander.
Publications.

Accompanying Maps:

1164. Sketch map of Portland Canal mining district, British Columbia. (Map 28A.) 1911. Scale: about 2 miles to 1 inch. See No. ii.
The following topographical map of the area described by W. W. Leach in report No. ii, and in the Summary Reports for 1906, 1907, 1908, and 1909, was published separately in 1914.
The following topographical map of part of the area described by W. A. Johnston in report No. xvi, and in the Summary Reports for 1908 and 1909, was published separately in 1914.
1199. Orillia sheet, Simcoe and Ontario counties, Ontario. (Map 49A.) 1914. Topography. Scale: about 1 mile to 1 inch.
Note: An advance photographic edition was published in 1911.
The following topographical map of the area described by G. A. Young in report No. xxii was published separately in 1914.
Summary Report of the Geological Survey branch of the Department of Mines for the calendar year 1911. Published in English 1912, and French 1914, Ottawa. Svo. pp., English x, 412, French xi, 429. (Blue-book form.) With maps Nos. 1219 and 1222, 10 diagrams, and
7 other illustrations. Maps Nos. 1237, 1245, 1246, were issued separately.
By R. W. Brock.

Note: Through error, the French edition bears the already occupied number "1218". The number "1475" was first given by mistake to a paper by D. B. Dowling (see "Publications", Summary Report, 1915.) See note under No. 761 regarding numbers prefixed to individual reports.

Contains the following reports and an index:

[A] Report of the director, including remarks on the topographical division, with table of classification adopted for maps; Victoria Memorial Museum; 12th International Geological Congress; Turtle Mountain Commission; mining law; and tin and topaz in New Brunswick.


Note: Contains notes on fossils by P. E. Raymond.


[v] I. Fraser canyon and vicinity. II. Geology of a portion of Skagit mining division, Yale district, British Columbia. III. Geology of Skagit valley, Yale district, B.C. With map No. 1222. IV. Note on the occurrence of diamonds at Tulameen, and Scottie creek near Ashcroft, B.C. By C. Camsell.

[vi] Geology of Fraser canyon and vicinity, B.C. Siwash Creek area. By A. M. Bateman.

[vii] Beaverdell map-area, Yale district, B.C. By L. Reinecke.


Note: This report was reprinted and published as a separate Sept. 12, 1912. See No. 1218a.


[xii] Geology of Field map-area, Yoho park, B.C. With 1 illustration. By J. A. Allan.

[xiii] Cambrian of the Kicking Horse valley, B.C. By C. D. Walcott.


Note: Part I includes notes by L. M. Lambe on fossil fish teeth. (See No. 1204b.) An advance photographic edition of the topographical map of the Roche Miette area was published in 1911.

[xvi] I. Report on progress of investigation of clay resources. II. Whiteware materials in Ontario and Quebec; kaolin near Huberdeau, Quebec. By H. Riez.


Note: An advance photographic edition of the diagram (West Shiningtree area, Sudbury district, Ontario) was published in 1911.


Note: Includes lists of fossils from the Ordovician rocks, with notes, by P. E. Raymond.


Note: Includes preliminary report by P. E. Raymond on Silurian fossils from Knowlton Landing, lake Memphremagog.


Note: Includes some Nova Scotia occurrences.


[xxxi] Lahave valley and Starrs point, Nova Scotia. By W. J. Wright.

[xxxi] Bore-hole records. (Water, oil, etc.) By E. D. Ingall.

[xxxii] Paleontological division.

I. Vertebrates. By L. M. Lambe.

II. Invertebrate. By P. E. Raymond.


Note: No. II includes notes on field-work in the Ottawa valley and Quebec city and vicinity. No. III includes notes on fossil plants from Groundhog coal basin and vicinity, B.C., Jasper park, Alberta, and Dirt hills, Saskatchewan.


Note: Includes notes on diamond from British Columbia and topaz from New Brunswick.

Topographical division. (W. H. Boyd.)

Part I. Field work.

Blairmore map-area [Alberta]. By W. H. Boyd.


(b) Cowichan sheet, Vancouver island. By K. G. Chipman.

Note: A very limited number of special advance photographic copies have been issued by the topographical division. Scale: 4 miles to 1 inch.

(c) Triangulation work. By S. C. McLean.

Moncton triangulation.

Columbia-Kootenay triangulation.
(d) Slocan map-area, British Columbia. By A. C. T. Sheppard.  
**Note:** A very limited number of special advance photographic copies of the eastern and western sheets of the map have been issued by the topographical division. Scale about ½ mile to 1 inch.

(e) Moncton map-area, New Brunswick. See map No. 1238.  
By W. E. Lawson.


Natural History division.
II. Zoological section. By P. A. Taverner.

Anthropological division.
[xxxviii] Part I. Ethnology. (E. Sapir.)
General report on museum and field work. By E. Sapir.

(a) Work in Iroquois and Algonkin reservations of Ontario and Quebec, 1911. By E. Sapir.
(b) On Huron work, 1911. By C. M. Barbeau.
(c) On Iroquois work, 1911. By A. A. Goldenweiser.
(d) On Mi'kmaq work, 1911. By C. MacMillan.
(e) On Mi'kmaq and Malécite work, 1911. By W. H. Meechling.
(f) Work among the Arctic Eskimos. By V. Stefansson.

Part II. Archæology. By H. I. Smith.

**Note:** The above reports, together with those of the anthropological division in the Summary Report for 1910, were reprinted and published as a separate, in English only, Oct. 29, 1912. See No. 1218b.


Library. By J. Alexander.

Publications.


Enclosing Maps:

Nanaimo coal area, Vancouver island, British Columbia. (Map 54A.) 1912. Economic geology. Scale: 1½ miles to 1 inch. See No. iv.

Skagit valley, Yale district, British Columbia. (Map 56A.) 1912. Areal geology. Scale: 1 mile to 1 inch. See No. v.

The following map, published separately, illustrates O. E. LeRoy’s report (No. ix). Intended to accompany a memoir (not yet issued) to which the number “34” was assigned, as printed on the map. This number was later given to the memoir by C. R. Stauffer (No. 1248).


The two following maps, issued separately in 1916, cover areas described in report by W. A. Johnston, (No. xx). The Brechin sheet erroneously bears the number “1285.”


The following map, issued separately, is the result of the work of W. E. Lawson and S. C. McLean in 1911 (see report of topographical division above): Moncton. Westmorland and Albert counties, New Brunswick. (Map 63A.) 1917. Topography. Scale: about 1 mile to 1 inch.

1304, 1307, diagrams Nos. 1296, 1297, and 12 other illustrations. By R. W. Brock.

Note: See note under No. 731 regarding numbers prefixed to individual reports.

Contains report of the director, the following officers' reports, and an index:


Note: This report was published as a separate, in English only, without regaping and without the map. See No. 1305a.


[xiii] Rocky Mountain section between Banff, Alta., and Golden, B.C., along the Canadian Pacific railway. By J. A. Allan.


[xvi] The geology of certain portions of Yale district, B.C. By C. Camsell.


[xix] Blairmore map-area, Alberta. (Short note regarding the mapping of the area by W. W. Leach.) With map No. 1307.


Note: Includes notes on zinc prospects near Wiarton, Ont.


[xxx] A geological reconnaissance from lake Kipawa via Grand Lake Victoria to Kanikawinika island, Bell river, Quebec. With map No. 1300 and 1 illustration. By M. E. Wilson.


[xxxiii] Investigation of clay resources of Quebec. By J. Keele.


Note: Includes field-work of C. H. Sternberg collecting dinosaurian remains on Red Deer river, Alberta.


Note: Includes notes on fossil plants from Kennebecasis island, N.B., Pimainus hills, B.C., Groundhog coal basin, B.C., Bellevue and Blairmore, Alberta, and Coal creek, Yukon.

Mineralogy. By R. A. A. Johnston.

[xliii] Borehole records. (Water, oil, etc.) By E. D. Ingall.

Topographical division. (W. H. Boyd.)

Part I.


Triangulation work. By S. C. McLean.

St. John triangulation.

Columbia-Kootenay triangulation.

Flathead triangulation.


Note: A very limited number of special advance photographic copies of the northern portion have been issued by the topographical division. Scale: about 1 mile to 1 inch.

Texada Island map-area, British Columbia. By D. A. Nichols.

Part II.

[xlv] Spirit levelling, St. John sheet, New Brunswick. [F. S. Falconer.]

Part III.

[xlv] Flathead triangulation, British Columbia and Alberta. Geo
graphic positions and descriptions of stations. With 1 illustration.

By S. C. McLean.

NOTE: All the above reports of the topographical division (Parts I, II, and III) were also published together as a separate, in English only, without repaging. See No. 1305b.


Biological division.


NOTE: Includes report by J. M. Macoun on plants collected by D. D. Cairnes on the 141st meridian in 1912.

Zoology. By P. A. Taverner.

Anthropological division. (E. Sapir.)

Part I. Ethnology and linguistics. (E. Sapir.)


On Iroquoian field-work, 1912. By C. M. Barbeau.

On Interior Salish work, 1912. By C. M. Barbeau.


Part II. Archaeology. (H. I. Smith.)


Part III. Physical anthropology. (E. Sapir.)


NOTE: All the above reports of the anthropological division (Parts I, II, and III) were also published together as a separate, in English only, without repaging. See No. 1305c.


Draughting division. By C. O. Senécal.

Library. By M. Calhoun.

Publications.


Accompanying Maps and Diagrams:

1296. Diagram showing the geology of Graham island, Queen Charlotte islands, British Columbia. 1913. Scale: 16 miles to 1 inch. See No. ii.


1304. Groundhog coal field, British Columbia. (Map 106A.) 1913. Scale: 4 miles to 1 inch. See No. vii.

1303. Thompson River valley below Kamloops lake, British Columbia. (Map 104A.) 1913. Scale: 4 miles to 1 inch. See No. x.

1287. Cadwallader Creek mining area, Lilooet mining division, B.C. (Map 105A.) 1913. Scale: 2,000 feet to 1 inch. See No. xv.

1307. Blairmore, Alberta. (Map 107A.) 1913. Scale: 2 miles to 1 inch. See No. xix.

Note: Preliminary map. See also map No. 1377.

1295. Southfork coal area, Old Man river, Alberta. (Map 103A.) 1913. Scale: 3 miles to 1 inch. See No. xx.

1285. Wanipigow, Manigotagan, and Oiseau rivers, Manitoba. (Map 96A.) 1913. Scale: 4 miles to 1 inch. See No. xxii.

1300. Bell river, Quebec. (Map 100A.) 1913. Scale: 8 miles to 1 inch. See No. xxx.

1284. Broadback river, Mistassini territory, Quebec. (Map 95A.) 1913. Scale: 10 miles to 1 inch. See No. xxxi.


Note: See note under No. 761 regarding numbers prefixed to individual reports.

Contains the following reports and an index:

[A] Report of the director, including notes on the 12th International Geological Congress and the Canadian Arctic Expedition.


[iv] Recent development at the Hidden Creek mine, Observatory inlet, B.C. With plan No. 1365. By R. G. McConnell.

[v] The lime belt, Quadra (South Valdes) island, B.C. With map No. 1351. By D. D. Cairnes.


Note: Also printed in separate form as an appendix to Guide Book No. 8, but not issued with Geological Survey special edition.


[xi] Notes on mining developments in Similkameen district, B.C., and on a reported occurrence of oil at Kelowna, B.C. By C. Cansell.

[xii] Rossland mining camp, B.C. By C. W. Drysdale.


Note: Includes "A preliminary report by Mr. Arthur Hollick (misprinted "Hollock") of the New York Botanical Garden, upon the plants from the Pleistocene deposits."

[xiv] Coal areas in Flathead valley, B.C. With 1 illustration. By D. B. Dowling.


The calcareous drift and lacustrine deposits in Rainy River district, Ontario. By W. A. Johnston.


Southeastern portion of Buckingham map-area, Quebec. By M. E. Wilson.

The drift on the island of Montreal. By J. Stansfield.

Marine submergence at Montreal, Covey Hill, and Rigaud mountain [Que.]. By J. W. Goldthwait.

Geology of Orford map-area, and the southern part of the "serpentine belt," Potton township, Quebec. By R. Harvie.

Granites of the Eastern Townships of Quebec. By A. Mailhiot.

The succession of faunas at Lévis, Quebec. By P. E. Raymond.

Geology of the Moncton map-area, New Brunswick. With 1 illustration. By W. J. Wright.


Note: Includes notes on the glaciation of the Magdalen islands, Quebec.

Geology of the Port Mouton map-area, Queens county, Nova Scotia. By E. R. Faribault.

Geology of the gold district of Pleasant River barrens, Lunenburg county, N.S. With plan No. 1339. By E. R. Faribault.


Geology of Clyburn valley, Cape Breton [N.S.]. With map No. 1355 and plan No. 1362. By W. J. Wright.

Clays of British Columbia and Alberta. By H. Ries.

Report on progress of investigation of clay resources. By J. Keele.


Note: Includes field-work by C. H. Sternberg collecting dinosaurian remains on Red Deer river, Alberta, and field-work at south fork of Oldman river, Exshaw, and Red Deer river, Alberta, by L. M. Lambe.


Note: Includes field-work in Ontario, Quebec, and Manitoba, and reports on fossils from Yukon-Alaska boundary, British Columbia, Alberta, Manitoba, Quebec, and New Brunswick.


Note: Includes field-work in Quebec, New Brunswick, Nova Scotia, Yukon Territory, and British Columbia, and on collections of fossils from the Alaska-Yukon boundary and Queen Charlotte islands, B.C.


Note: Includes notes on collections of fossil plants from New Brunswick, Saskatchewan, Alberta, and British Columbia.

Mineralogy. By R. A. A. Johnston.

Note: Includes notes on specimens of eosphorite, struvite, ullmannite, apatite, axinite, garnet, vesuvianite, quartz, and opal from Canadian localities.
Topographical division. (W. H. Boyd.)

Part I.


East Sooke and Flathead coal basin map-areas [B.C.]. By F. S. Falconer.

Bridge River map-area, British Columbia. By E. E. Freeland.

NOTE: A limited number of special photographic copies of the manuscript map have been issued by the topographical division. Scale: about 1 1/4 miles to 1 inch.

Windermere map-area, B.C. By A. G. Haultain.

NOTE: A limited number of special photographic copies of the manuscript map have been issued by the topographical division. Scale: about 1 1/4 miles to 1 inch.


Thetford and Black Lake map-area. By D. A. Nichols.

NOTE: A limited number of special photographic copies of the detailed map of the area adjacent to the asbestos mines at Thetford Mines, Que., were issued by the topographical division. Scale: 1,000 feet to 1 inch.


Triangulation work. By S. C. McLean.


Thetford [Que.] triangulation.

Similkameen district [B.C.]

Part II.


NOTE: All the above reports of the topographical division (Parts I and II) were also published together as a separate, in English only, without repaging. See No. 1359a.


Biological division.

Botany. By John Macoun.


Zoology. By F. A. Taverner.

Anthropological division. (E. Sapir.)

Part I. Ethnology and linguistics. (E. Sapir.)


On Iroquois work, 1913. By F. W. Waugh.


On Ojibwa work, 1913. By P. Radin.

On work among northern Athabaskan tribes, 1913. By J. A. Mason.

Anthropology in the Canadian Arctic Expedition. By E. Sapir.

Part II. Archaeology. (H. I. Smith.)


Part III. Physical anthropology. (E. Sapir.)

Note, and list of accessions. By E. Sapir.

NOTE: All the above reports of the anthropological division (Parts I, II, and III) were also published together as a separate, in English only, without repaging. See No. 1359b.

Draughting division. By C. C. Senecal.
Library. By M. Calhoun.
Publications.

**Accompanying Maps, Plans, and Diagrams:**

1349. Diagram showing the geology of Rainy Hollow, Atlin mining district, B.C. 1914. Scale: 2 miles to 1 inch. See No. ii.

1365. Plan of 530-foot level, Hidden Creek mine, Granby bay, British Columbia. 1914. Scale: 240 feet to 1 inch. See No. iv.

1351. Quadra island, British Columbia. (Map 120A.) 1914. Scale: 4 miles to 1 inch. See No. v.

1436. Diagram showing the geology of peninsula between Kokshuttle arm and Easy creek, Kyuquot sound, B.C. 1914. Scale: about 2,000 feet to 1 inch. See No. x.

1350. Willowbunch coal area, Saskatchewan. (Map 119A.) 1914. Scale: 4 miles to 1 inch. See No. xvii.

1356. Wanapitei (Falconbridge, Street, Dryden, Awrey, and parts of Macinnan and Seadding townships), Sudbury district, Ontario. (Map 124A.) 1914. Scale: 1 mile to 1 inch. See No. xxi.


1353. Franey mine and vicinity, Victoria county, N.S. (Map 121A.) 1914. Scale: 1,500 feet to 1 inch. See No. xxxiv.


*Note:* See note under No. 761 regarding numbers prefixed to individual reports.

Contains report of the director, the following officers’ reports, and an index:


[ix] Reconnaissance along the Red Deer, James, Clearwater, and North Saskatchewan rivers, Alberta. By B. Rose.


[xi] The foothills area, west of the Porcupine hills, Alberta. By J. S. Stewart.


Wood Mountain coal area, Saskatchewan. With map No. 1338. By B. Rose.

Amie Lake district, northern Saskatchewan and Manitoba. By E. L. Bruce.

Fembina mountain, Manitoba. By A. MacLean.

Notes on the cores of Winnipeg wells, Manitoba. By F. H. McLear.

Gypsum and brines in Manitoba. By R. C. Wallace.

Lake Simcoe and Rainy River districts, Ontario. By W. A. Johnston.


The middle and upper Silurian of southwestern Ontario. By M. Y. Williams.

Investigation of the clay resources of Ontario. By J. Keele.

Road materials in Ontario. By L. Reinecke.

Investigation of the occurrence of radio-active minerals in Ontario. By S. Brunton.

Northern portion of Buckingham map-area, Quebec. By M. E. Wilson.

The basins of the Nottaway and Broadback rivers, northwestern Quebec. By H. C. Cooke.

The Harricana basin north of the Grand Trunk Pacific railway, Quebec. By T. L. Tanton.

Brome and Missisquoi counties, Quebec. By R. Harvie.

Granite of the Eastern Townships, Quebec. By A. Mailhnot.


Moncton map-area, New Brunswick. By W. J. Wright.


Caledonia map-area, Queens county, Nova Scotia. By E. R. Faribault.

The Horton-Windsor Carboniferous area, Nova Scotia. By W. A. Bell.


An investigation of radio-active minerals in eastern Canada. By C. W. Robinson.

Canadian Arctic Expedition, 1914. Geological reconnaissance of the Arctic coast between Demarcation point and the Mackenzie river; with a section inland up the Firth river, Mackenzie districts. By J. J. O'Neill.


Includes field-work of C. H. Sternberg on Red Deer river, Alberta, and Cypress hills, Saskatchewan.


Includes field-work, and reports on fossils from British Columbia and Saskatchewan.


Includes notes by D. White on fossil plants from Parrsboro inlet, Nova Scotia, and by W. J. Wilson on collections from Alberia, New Brunswick, and Nova Scotia.

Mineralogy. By R. A. A. Johnston.

Water and borings division. By E. D. Ingall.

Calgary gas and oil field. By S. E. Slipper.


Notes: A limited number of special photographic copies of the manuscript map of Ainsworth, B.C., have been issued by the topographical division. Scale: 2,000 feet to 1 inch.


Notes: A limited number of special photographic copies of the manuscript map of the Flathead sheet were issued by the topographical division. Scale: about ½ mile to 1 inch.


Athabaska lake, Alberta and Saskatchewan. A. G. Haultain.

Thetford and Black Lake map-area, Quebec. D. A. Nichols.


Traverse control and triangulation. (Queens county, N.S., and Similkameen and Osoyoos districts, B.C.) S. C. McLean.

Sudbury reconnaissance. W. H. Boyd.

Canadian Arctic Expedition. (Report of K. G. Chipman, geographer.) Biological division.

Botany. By John Macoun.

Botany. By J. M. Macoun.


Chaleur Bay field work, 1914. By P. A. Taverner.


Canadian Arctic Expedition, 1913-14. By R. M. Anderson.

Notes: Includes preliminary list, by P. A. Taverner, of specimens collected.

Entomology. By C. G. Hewitt.

Canadian Arctic Expedition. By F. Johansen.

Notes: All the above reports under the headings Zoology, Entomology, and Canadian Arctic Expedition, were published together as a separate, in English only, repaged. See No. 1557.


Division of anthropology.


[xiii] Part II. Archaeology. By H. I. Smith.


Geographical and drafting division. By C. O. Senecal.

Library. By M. Calhoun.

Publications. By M. Sauvalle.


Accompanying Map and Diagrams:

†1491. Diagram of southwestern portion of Yukon Territory. 1915. Scale: 20 miles to 1 inch. See No. i.

1494. Perspective diagram and structure sections, foot-hills, southern Alberta. 1915. See No. viii.

1338. Wood Mountain coal area, Saskatchewan. (Map 117A.) 1915. Scale: 4 miles to 1 inch. See No. xv.


Notes: See note under No. 761, regarding numbers prefixed to the individual reports.

Contains report of the director, the following officers' reports, and an index:


Note: The portion of the above report, pp. 36-49, relating to the Wheaton district, was published, without repaging, as a separate, in English only, with map No. 1230 (not issued with Summary Report), forming a supplement to Memoir 31 (No. 1228). See No. 1620.


[i] Hydromagnesite deposits of Atlin, B.C. With 1 illustration. By G. A. Young.


[i]v Bridge River map-area, Lilooet mining division.—Highland Valley copper camp, Ashcroft mining division.—Human skeleton from silt bed near Savona; British Columbia. With diagrams Nos. 1610 and 1611. By C. W. Drysdale.

Note: See also No. xxxix.

[i]v Iror industry.—Slocan area and Grenville mountain, British Columbia. By O. E. LeRoy.


[x] Simpson pass to Kananaskis, Rocky Mountains park, Alberta. By J. A. Allan.


[xii] Blairmore map-area. By B. Rose.


[xvili] Pembina mountain, southern Manitoba. By A. MacLean.


[Appendix.] List of plants collected along the Churchill river between Mississ fells and the mouth of the Little Churchill river. By J. M. Macoun.

[Appendix.] List of plants collected along the Churchill river between Mississ fells and the mouth of the Little Churchill river. By J. M. Macoun.

Note: See Museum Bulletin No. 22 (No. 1601).

[x] Sutton, Barrie, and Ottawa areas, Ontario. By W. A. Johnston.


[xiii] Road materials surveys in Ontario and Quebec. With 3 folding tables (character of deposits of bedrock and gravels between Ottawa and Prescott, and results of tests on stone available for the Montreal-Ottawa road). By L. Reinecke.

[xiv] Southwestern portion of the Buckingham map-area, Quebec. By M. E. Wilson.


NOTE: Includes field-work of C. H. Sternberg in Milk River district and on Red Deer river, Alberta.


NOTE: Includes notes on collections from Yukon Territory and Alberta.


NOTE: Includes list of minerals and ores for which inquiries have been received, with notes.

Canadian Arctic Expedition, 1915. By R. M. Anderson.

NOTE: Zoological extracts are again given under "Biological division. Zoology." (See below.)


Topographical division. (W. H. Boyd.)

Mayo map-area, Yukon Territory. A. G. Haultain.

Revelstoke sheet, British Columbia. F. S. Falconer.

Pekisko map-area, British Columbia and Alberta. D. A. Nichols.


NOTE: A very limited number of special advance photographic copies of the northern portion of the map have been issued by the topographical division. Scale: about 1/4 mile to 1 inch.

Athabaska lake, Alberta and Saskatchewan. B. R. MacKay.

Sudbury map-area, Ontario. E. E. Freeland.

East coast of James bay, Quebec. W. E. Lawson.

Triangulation. S. C. McLean.


Canadian Arctic Expedition. (Report of K. G. Chipman, geographer.)

Biological division.

Botany. By John Macoun.

Botany. By J. M. Macoun.

Botanical reconnaissance on the north shore of the gulf of St. Lawrence. By H. St. John.

Zoology. (P. A. Taverner.)

Summary report (to Nov. 15). By P. A. Taverner.

Gulf of St. Lawrence field-work, 1915. By P. A. Taverner.

[xxvii] Preliminary report of an expedition along the north shore of the gulf of St. Lawrence. By C. W. Townsend.

Canadian Arctic Expedition. (Zoological extracts from general report above.) By R. M. Anderson.

Entomology. By C. G. Hewitt.

NOTE: All the above reports under the headings Zoology, Canadian Arctic Expedition, and Entomology were published together as a separate, without repaging, in English only. See No. 1575.

Division of anthropology.

[xxxviii] Part II. Archaeology. By H. I. Smith.

Note: Includes "Report on a skeleton from near Savona, B.C., submitted for examination by Mr. C. Hill-Tout, Abbotsford, B.C."

See also No. v.

Geographical and draughting division. By C. O. Senécal.

Photographic division. By G. C. Clarke.

Library. By M. Calhoun.

Publications. By M. Sauvalle.


Accompanying Maps and Diagrams:

1608. Diagram of Copper Crown group, Grouse mountain, B.C. 1916. Scale: 5 miles to 1 inch.

1605. Diagram of limonite deposit, Limonite creek, B.C. 1916. Scale: about 600 feet to 1 inch.

1607. Diagram of part of northern interior of British Columbia. 1916. Scale: 20 miles to 1 inch.

1610. Diagram of Bridge River area, Lillooet mining division, B.C. 1916. Scale: 3 miles to 1 inch.

Note: A limited number of special photographic advance copies of the manuscript map (on a larger scale) have been issued by the topographical division.

1611. Diagram of Highland Valley copper camp, Ashcroft mining division, B.C. 1916. Scale: 4 miles to 1 inch.

1604. Artesian water area, southern Alberta. With section. 1916. Scale: 15 miles to 1 inch.

1609. Diagram of Harricanaw-Turgeon basin. Quebec. 1916. Scale: 20 miles to 1 inch.

1606. Infusorial earth deposits, Loon Lake island, Liverpool river, Queens county, N.S. 1916. Scale: 500 feet to 1 inch.
PART II.

REPORTS SENT TO PRESS BETWEEN DISCONTINUANCE OF ANNUAL REPORTS AND COMMENCEMENT OF MEMOIRS.
PART II.

REPORTS SENT TO PRESS BETWEEN DISCONTINUANCE OF ANNUAL REPORTS AND COMMENCEMENT OF MEMOIRS.

The publication of the volumes of "Annual Reports" was discontinued with vol. XVI for 1904 (published 1907). Most of the individual reports contained in these volumes were also published separately, and at the beginning of 1910 it was decided in future to call the reports "Memoirs." A number of reports were sent to press during the interval between the discontinuance of the Annual Reports and the commencement of the series of Memoirs, and these are here listed.

Owing to delays incidental to publishing, the dates of publication of some of them are later than those of early Memoirs.

923. (E) Geological report on the Chibougamau mining region in the northern part of the province of Quebec. 1905. Published in English and French, Ottawa, 1906. 8vo. pp., English 61, French 57. With map No. 918. By A. P. Low.

Accompanying Map:
Geological map of the Chibougamau region, Quebec. 1906. Scale: 4 miles to 1 inch.

918.


Accompanying Map:
Sketch geological map of the city of Rossland and vicinity, B.C., showing mining claims. 1906. Scale: 1,600 feet to 1 inch.

Note: This map was issued separately from the report.


Note: Published only in blue-book form (Sessional Papers, 1906). For preliminary report see No. 899 or 900.


Note: Published only in blue-book form (Sessional Papers, 1907). This is the last report issued by the Geological Survey, the work of the section being taken over by the Mines Branch of the Department of Mines. The French edition through error bears the same number as the English.


Appendix I. Reports referring to geology and structure of this area.

Note: Published only in blue-book form (Sessional Papers, 1907). For preliminary reports see Nos. 865 or 866; 899 or 900; and 947.

Accompanying Maps:
Geological map of the Cascade coal basin, Alberta. 1907. Scale: 1 mile to 1 inch.
In four sheets, as follows:

929. Sheet I. Panther river.
931. Sheet II. Cascade river.
933. Sheet III. Canmore.
935. Sheet IV. Wind mountain.

Topographical map of the Cascade coal basin, Alberta. 1907. Scale: 1 mile to 1 inch.

In four sheets, as follows:

930. Sheet I. Panther river.
932. Sheet II. Cascade river.
934. Sheet III. Canmore.
936. Sheet IV. Wind mountain.

Note: A second edition of map-sheets Nos. 929, 931, 933, and 935 was published in 1913 (dated 1912), for distribution at the 12th International Geological Congress.


Note: This report covers the work carried on during the year 1905. There were no separate reports for the years 1901-1904 inclusive, but summaries of the work of the section are contained in the Summary Reports for those years (See Nos. 761 or 762; 816 or 817; 865 or 866; 899 or 900).

977. (E) Report on the geology and natural resources of the area included in the northwest quarter-sheet, number 122, of the Ontario and Quebec series, comprising portions of the counties of Pontiac, Carleton, and Renfrew. Published in English 1907, and French 1908 (dated 1907). Ottawa. 8vo. pp., English v, 71, French v, 78. With map No. 660 and appendix.

By R. W. Eills.

Appendix. Preliminary lists of organic remains from the Chazy, Black River, Trenton, and Pleistocene formations comprised within the area of the Pembroke sheet (No. 122). By H. M. Ami.

Note: For preliminary reports see Nos. 552 or 553; 582 or 583; 613 or 614; 673 or 674; 716 or 717.

Accompanying Map:


Note: For preliminary report see No. 959.

Accompanying Map:

1011. Map of the auriferous gravels on Bonanza and Hunker creeks, Klondike mining district, Y.T. 1908. Scale: 40 chains to 1 inch.


Note: For preliminary report see No. 947. See also Memoir 61 (No. 1410), which is virtually a reprint with certain minor changes.

Accompanying Maps:

963. Geological and topographical map of the Moose Mountain region of the "disturbed belt," southern Alberta. 1907. Scale: 2 miles to 1 inch.

Note: This map was reprinted in 1915 (dated 1914) to accompany Memoir 61 (No. 1410).

966. Topographical map showing coal areas of the Moose Mountain region of the "disturbed belt," southern Alberta. 1907. Scale: 2 miles to 1 inch.

Note: This map was reprinted in 1914 to accompany Memoir 61 (No. 1410).

†970. (E) The falls of Niagara, their evolution and varying relations to the Great Lakes; characteristics of the power, and the effects of its diversion. 1905–6. Published in English 1908 (dated 1907), and French 1915,

Appendix I. Early descriptions of Niagara falls.
Appendix II. Survey notes of the recession of the falls.
Appendix III. Wells in Niagara township below escarpment.
Appendix IV. Meteorological tables.
Appendix V. Fluctuations of lakes Erie, Huron, and Ontario.
Appendix VI. Discharges of Niagara, St. Clair, St. Lawrence, and St. Mary rivers.
Appendix VIII. On the discovery of Niagara falls and the name.

Note: For preliminary report see No. 947.

Accompanying Maps:

Note: This map is a corrected edition of map No. 919 published in 1906, now obsolete.


Note: Title-page of the English edition is erroneously numbered "975." The correct number "974" is on cover. For preliminary reports see Nos. 816 or 517; 865 or 866; 899 or 900; and 947.

975. (F) Map showing the older copper-bearing rocks of the Eastern Townships province of Quebec. 1907. Scale: 8 miles to 1 inch.


Note: For preliminary report see No. 959.

993. Geological map of a portion of northwestern Ontario traversed by the National Transcontinental railway between lake Nipigon and Sturgeon lake. 1908. Scale: 4 miles to 1 inch.

Note: A second edition of this map, with additions and alterations was published in 1909 to accompany report No. 1059.

1393. (F) The Telkwa river and vicinity, B.C. Published in English 1908 (dated 1907), and French 1914, Ottawa. Svo. pp., English 23+4 and errata slip, French 23 + 5. With map No. 999 and addenda. By W. W. Leach.

Addenda. (Additional information obtained from another season's work by the author.)

Note: For preliminary report see No. 959.

988. (E) Sketch map of the Telkwa river and vicinity. Omineca mining district, British Columbia. 1908. Scale: 2 miles to 1 inch.

1556. (F) Preliminary report on a portion of the main coast of British Columbia and adjacent islands included in New Westminster and Nanaimo districts. Published in English 1908, and French 1915, Ottawa. Svo. pp., English 56, French 68. With map No. 997 and 12 other illustrations. By O. E. LeRoy.

Note: A second English edition was published in 1909. pp. 58.

For preliminary report see No. 959.

Note: An important erratum slip, issued after the report was printed, is not found in some English copies first distributed, and is not in the French edition. Date on the cover of English edition is defective, reading “190.” For preliminary note see No. 1072 [xxiii].

Accompanying Map:
Geological map of Lake Megantic and vicinity, Compton co., Quebec. 1908. Scale: 2 miles to 1 inch.

1029.


Note: The French edition erroneously bears the number “1513.” For preliminary report see No. 959.

Accompanying Maps:
Geological and topographical map of a portion of Conrad and Whitehorse mining districts, Yukon Territory. 1908. Scale: 2 miles to 1 inch.

982. (E) Preliminary report on a part of the Similkameen district, British Columbia. Published in English 1908 (dated 1907), and French 1914 (dated 1914), Ottawa. 8vo. pp., English 41, French v, 44. With map No. 987.
By C. Camell.
Note: For summary report see No. 959.

Accompanying Map:
Geological map of Princeton coal basin and Copper Mountain mining camp, Yale district, B.C. 1908. Scale: 40 chains to 1 inch.

987.

986. (E) Reprint of a report on the origin, geological relations, and composition of the nickel and copper deposits of the Sudbury mining district, Ontario, Canada. Published in English 1908 (dated 1907), and French 1908, Ottawa. 8vo. pp., English 244, French 264. With 30 illustrations. Accompanied by portfolio containing second editions of maps Nos. 775, 820, 824, 825, 864. (Second and revised edition of report No. 873.) By A. E. Barlow.

Accompanying Maps:
Geological map of a portion of the Sudbury mining region, district of Algoma, Ont. (Victoria Mines map). Second edition (with additions and change in colours). 1907. Scale: 1 mile to 1 inch.

1025. (E) Geological map of a portion of the Sudbury mining region, districts of Algoma and Nipissing, Ont. (Sudbury map). Second edition (with change in colours). 1907. Scale: 1 mile to 1 inch.
Geological map of the vicinity of Copper Cliff, Sudbury mining district, Ontario. Second edition (with change in colours). 1907. Scale: 400 feet to 1 inch.
In two sheets, as follows:
824. North sheet.
825. South sheet.


Appendix I. List of elevations. [Compiled by A. E. Barlow.]
Appendix II. On some Cambro-Silurian and Silurian fossils from lake Timiskaming, lake Nipissing, and Mattawa outliers. By H. M. Ami.

**Accompanying Maps:**


944. Geological map of the area between Timagami and Rabbit lakes, district of Nipissing, Ontario. (Preliminary edition.) 1907. Scale: 1 mile to 1 inch.

**Note:** This map, issued primarily as a separate map, was included with those accompanying the report as it gives in greater detail a portion of map No. 599.

983. (E) The geology and mineral resources of New Brunswick. Published in English 1908 (dated 1907), and French 1909. Ottawa. 8vo. pp., English 135, French 163. With map No. 969. By R. W. Elks.

**Accompanying Map:**

969. Map showing principal mineral occurrences in New Brunswick. 1907. Scale: 16 miles to 1 inch.

**Note:** The positions of the quarter-sheet geological maps of New Brunswick are also shown on this map.


**Note:** For summary report see No. 1072. See also Memoir 33 (No. 1242).

1076. Preliminary geological map of Gowganda mining division, district of Nipissing, Ontario. (With index map inset.) 1909. Scale: 1 mile to 1 inch.

1050. (E) The Whitehorse copper belt, Yukon Territory. Published in English 1909, and French 1917, Ottawa. 8vo. pp., English v, 63, French v, 65. With maps and plans Nos. 1026, 1041, 1044 to 1049 (maps not bound in), and 4 other illustrations. By R. G. McConnell.

**Note:** For preliminary reports see No. 716 or 717.

Accompanying Maps and Plans:

1026. Geological and topographical map of central portion of Whitehorse copper belt, Yukon Territory. 1909. Scale: 400 feet to 1 inch.

1041. Geological and topographical map of Whitehorse copper belt, Yukon Territory. 1909. Scale: 1 mile to 1 inch.

1044. Surface at Arctic Chief mine, Whitehorse copper belt, Yukon. [1909.] Scale: 160 feet to 1 inch.

1045. Grafter mine, Whitehorse copper belt, Yukon. Workings at 50-foot level. [1909.] Scale: 20 feet to 1 inch.

1046. Empress of India mineral claim, Whitehorse copper belt, Yukon. [1909.] Scale: 200 feet to 1 inch.

1047. Surface at Copper King mine, Whitehorse copper belt, Yukon. [1909.] Scale: 400 feet to 1 inch.
1048. Best Chance ore body, Whitehorse copper belt, Yukon. [1909.] Scale: 40 feet to 1 inch.

1049. Surface, Pueblo mine, Whitehorse copper belt, Yukon. [1909.] Scale: 60 feet to 1 inch.

   Note: See also Memoir 53 (No. 1363), which is a revised edition of this report.

Accompanying Map:

†1010. Geological map showing coal areas in Alberta, Saskatchewan, and Manitoba. 1908 (dated 1907). Scale: 35 miles to 1 inch.


Accompanying Maps:


†1084. Geology. [Geological map of the Dominion of Canada.] [1909.] Scale: 100 miles to 1 inch.
   Note: The above maps (Nos. 1042 and 1084), compiled under the direction of J. White, Chief Geographer, Department of the Interior, were first published in the Atlas of Canada issued by that department in 1906. Reprinted by the Geological Survey, three editions of No. 1042 (with additional localities) were published in 1908, 1909, and 1910; and two editions of No. 1084, in 1909 and 1910.

980. (E) Geological reconnaissance of a portion of Algoma and Thunder Bay districts, Ontario. Published in English 1909, and French 1910, Ottawa. 8vo. pp., English v, 49, French 59. With map No. 964, 6 other illustrations, and appendices I and II. (English bound with No. 1081, French with No. 1119.) By W. J. Wilson.


Appendix II. List of insects. By J. F. Fletcher.
   Note: For preliminary reports see Nos. 865 or 866; and 899 or 900.

   Note: For preliminary report see No. 947. Nos. 980 and 1081 English (1114, 1119 French) are bound together with cover-title: "Reports on a portion of Algoma and Thunder Bay districts, Ontario, by W. J. Wilson, and on the region lying north of lake Superior between the Pic and Nipigon rivers, Ontario, by W. H. Collins".

Accompanying Map (for both the above reports):

964. Geological map of portions of the districts of Algoma and Thunder Bay, Ontario. 1907. Scale: 8 miles to 1 inch.
   Note: A reprint of this map was published in 1912. See also map No. 159.

   Note: For preliminary reports see Nos. 959 and 1017. See also report No. 992.
Accompanying Maps:

993. Explored routes in a portion of northwestern Ontario traversed by the National Transcontinental railway between lake Nipigon & Sturgeon lake. 2nd edition (with revision of geology). 1909. Scale: 4 miles to 1 inch.

Note: First edition of this map was published in 1908 and accompanies report No. 992.

1061. Explored routes in a portion of northwestern Ontario traversed by the National Transcontinental railway between lake Minnitaki and Lake of the Woods. 1909. Scale: 4 miles to 1 inch.


Note: Two reports, No. 55 (Fr. No. 56) of the Mines Branch, and No. 1107 (Fr. No. 1108) of the Geological Survey, Department of Mines, were bound together with the above cover-title and issued in English and French by each branch. The reports (parts I and II of the joint report) are as follows:


Appendix. The technology of the Scottish oil shale industry. By W. A. Hamor.

Note: For preliminary report see No. 1072.


Appendix. Oil-shale found on Melville island [Arctic ocean], 1909.

Note: For preliminary report see Nos. 1072 and 1120.

11107. (E) Reconnaissance map of parts of Albert and Westmorland counties, New Brunswick. (Map 35A.) 1912 (dated 1911). Scale: about 1 mile to 1 inch.

Note: This map, published separately in 1912, illustrates the above report (No. 1107). It was reprinted in 1914 to accompany report No. 291 of the Mines Branch and bears Mines Branch publication number 294.


Note: For preliminary report see No. 1072.

1181. Reconnaissance map of parts of Albert and Westmorland counties, New Brunswick. (Map 35A.) 1912 (dated 1911). Scale: about 1 mile to 1 inch.

Note: This map, published separately in 1912, illustrates the above report (No. 1107). It was reprinted in 1914 to accompany report No. 291 of the Mines Branch and bears Mines Branch publication number 294.


Note: For preliminary report see No. 1072.

1099. Pelly, Ross, and Gravel rivers, Yukon and North West Territories. 1910. Scale: 8 miles to 1 inch.

Note: For preliminary reports see Nos. 885 or 886; 899 or 900; and 947. For descriptions of fossils see No. 930 (5. A4).

1086. (E) Report on a part of the North West Territories of Canada drained by the Winisk and Upper Attawapiskat rivers. Published in English 1911 (dated 1909), and French 1914, Ottawa. 8vo. pp., English 58, French 65. With map No. 1089 and 6 other illustrations. (English bound with No. 1006, French with No. 1008.) By W. McInnes.

Note: For preliminary reports see Nos. 885 or 886; 899 or 900; and 947. For descriptions of fossils see No. 930 (5. A4).

1006. (E) Report on a traverse through the southern part of the North West Territories from lac Seul to Cat lake in 1902. Published in English 1911 (dated...
1909), and French 1914, Ottawa. 8vo. pp., English 25, French 27.
With map No. 1089. (English bound with No. 1080, French with No.
1088.) By A. W. G. Wilson.

Note: For preliminary report see No. 816 or 817. Nos. 1080
and 1066 English, and Nos. 1088 and 1008 French, were bound
together and published, English 1911 (dated 1910), French 1914.
Accompanied by map No. 1089 (not bound in). Number on
English edition erroneously printed "1008". The area covered
by the reports and map is now included in the province of Ontario,
except Island Lake, now in the province of Manitoba.

Accompanying Map:

1089. Explored routes on parts of the Albany, Severn, and Winisk rivers, etc.,
northern Ontario and North West Territories. (Map 9A.) 1910.
Scale: 8 miles to 1 inch.

1064. (E) Geology of an area adjoining the east side of lake Timiskaming, Quebec.
1065. (F) Published in English 1911 (dated 1910), and French 1914, Ottawa.
8vo. pp., English 46, French 47. With map No. 1066 (not bound in)
and 10 other illustrations. By M. E. Wilson.

Note: For preliminary reports see Nos. 959 (with A. E. Barlow)
and 1017.

Accompanying Map:

1066. Lake Timiskaming mining region, Ontario and Quebec. (Map 18A.) 1911
(dated 1910). Scale: 1 mile to 1 inch.
PART III.
MEMOIRS.
PART III.

MEMOIRS.

The publication of the volumes of "Annual Reports" was discontinued with vol. XVI for 1904 (published 1907). Most of the individual reports contained in these volumes were also published separately, and at the beginning of 1910 it was decided in future to call the reports "Memoirs", numbering them consecutively as Memoir No. 1, Memoir No. 2, etc. A number of reports were sent to press during the interval between the discontinuance of the Annual Reports and the commencement of the series of Memoirs, but, owing to delays incidental to publishing, the dates of publication of some of these are later than those of early Memoirs. (See part II.)

The Memoirs published to date have been divided into four series—Geological, Anthropological, Biological, and Topographical.

Memoirs Nos. 19, 32, 34, 36, and 39-98 have the title of the series and the series number printed on them (e.g. "No. 63. Geological Series") in addition to the memoir number. They also bear the usual publication number of the Geological Survey.

On Memoirs Nos. 1-7, 10, 13, 21-23, 25-28, 30, 31, 33, 35, 37, and 38, the series title and number have been omitted. Nos. 8, 9, 16, 17, 18, 20, 24, and 29 bear only the letter "E", immediately following the memoir number, thus: "Memoir No. 8-E" (=Economic geology), and in the same manner Nos. 12 and 15 bear "P" (=Palaeontology). These two subdivisions are now included in the Geological Series. No. 14 bears "N" (=Natural History) and is now included in the Biological Series. No. 11 bears "T" (=Topography) and is included in that series.

Two palæontological reports, one of them in quarto size, which are parts of an older series of publications, have also been called "Memoirs". They are Memoirs Nos. 3 and 12, which are also, respectively, part V, vol. III (quarto), and part III, vol. II, of "Contributions to Canadian palæontology".

In addition to the Memoirs, a series of publications called "Museum Bulletins" was commenced in 1913, and many of the shorter reports have been issued in this form. (See part IV.)

The following list gives the Memoirs published to date, arranged according to series, and preceded by their corresponding series numbers:
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### TOPOGRAPHICAL SERIES.

1. Memoir No. 11.


Note: For preliminary report see No. 761 or 762. For summaries of work in this area by W. McNees see Nos. 552 or 553, 816 or 817; by D. B. Dowling No. 673 or 674; by W. A. Parks No. 761 or 762.

Accompanying Map:

1099. Lake Nipigon, Thunder Bay district, Ontario (Northwestern Ontario series, Nos. 11 and 17). (Map 8A.) 1910. Scale: 4 miles to 1 inch.

1092. (F) Memoir No. 2. The geology and ore deposits of Hedley mining district, British Columbia. Published in English 1910, and French 1915 (dated 1914), Ottawa. 8vo. pp., English 218, French x, 239. With maps Nos. 1095, 1096, 1105, 1106, sections Nos. 1125 to 1129, 23 other illustrations, and appendix. By C. Camsell.

Appendix. On the adjacent districts of Henry Creek and Golden Zone camp. [By C. Camsell.]

Note: For preliminary reports see Nos. 1017 and 1072.

Accompanying Maps and Sections:
1095. Hedley mining district, British Columbia. (Map 1A.) 1910. Topography. Scale: 1,000 feet to 1 inch.
1096. Hedley mining district, British Columbia. (Map 2A.) 1910. Geology. Scale: 1,000 feet to 1 inch.
1106. Mineral claims on Henry Creek, near Hedley, B.C. (Map 3A.) 1910. Scale: 800 feet to 1 inch.
1125. Structure sections to accompany map 2A [No. 1096], Hedley mining district, B.C. 1910. Scale: 1,000 feet to 1 inch.

Note: This is "Fig. 8" in the list of illustrations.

1126. Natural section exposed on lower slopes of Nickel Plate mountain shewing granodiorite contact. 1910. Scale: 450 feet to 1 inch.

Note: This is "Fig. 2" in the list of illustrations.

1127. Section along No. 3 tunnel, Nickel Plate mine. 1910. Scale: 100 feet to 1 inch.

Note: This is "Fig. 3" in the list of illustrations.

1128. Section running N. 70° W. across Nickel Plate mountain from a point 150 feet south of Sunnyside No. 3. 1910. Scale: 450 feet to 1 inch.

Note: This is "Fig. 5" in the list of illustrations.

1129. Section along No. 4 tunnel, Nickel Plate mine. 1910. Scale: 200 feet to 1 inch.

Note: This is "Fig. 7" in the list of illustrations.


1110. (E) Memoir No. 4. Geological reconnaissance along the line of the National Transcontinental railway in western Quebec. Published in English 1911 (dated 1910), and French 1914, Ottawa. 8vo. pp., English 56, French 64. With map No. 1112 and 5 other illustrations. By W. J. Wilson. Note: For preliminary reports see Nos. 959 and 1017.

1112. Vicinity of the National Transcontinental railway, Abitibi district, Quebec. (Map 12A.) 1910. Scale: 4 miles to 1 inch.


1103. Tantalus coal area, Yukon Territory. (Map 10A.) 1910. Scale: 2 miles to 1 inch.
1104. Braeburn-Kynocks coal area, Yukon Territory. (Map 11A.) 1910. Scale: 2 miles to 1 inch.

†1082. (E) Memoir No. 6. Geology of the Haliburton and Bancroft areas, province of Ontario. Published in English 1910, and French 1912, Ottawa. 8vo. pp., English viii, 419, French viii, 426. With maps Nos. 708, 770, and 85 other illustrations. By F. D. Adams and A. E. Barlow. Note: See also preliminary report No. 357 by F. D. Adams. For joint preliminary reports by Adams and Barlow see Nos. 613 or 614, 632 or 644, 673 or 674, 690 or 691. See also map No. 639.

‡1078. Map-sheet No. 118. (Haliburton sheet). Province of Ontario. Parts of
counties of Hastings, Haliburton, Renfrew, and Nipissing. 1905. Scale: 4 miles to 1 inch.


Note: The first edition of this map, now obsolete, was published 1905. It was originally intended to publish preliminary reports on this area in the Annual Report for 1901, and the map has printed on it: "Accompanying Parts H. and H.H., vol. XIV," but these reports were not printed.


Note: For preliminary report see No. 947.


Appendix B. List of fossils from St. Hilaire, Quebec, as provisionally determined June 30, 1907, by Dr. E. O. Ulrich. Collected by R. Harvie, jr.

Accompanying Maps:


Memoir No. 8. The Edmonton coal field, Alberta. Published in English 1911 (dated 1910), and French 1913 (dated 1912), Ottawa. 8vo. pp., English 59, French 70. With maps Nos. 1117, 1118, and 7 other illustrations. By D. B. Dowling.

Note: For preliminary report see No. 1072.

Accompanying Maps:

1117. Edmonton, Alberta. (Map 5A.) 1911. Topography. Scale: 2,640 feet to 1 inch.

1118. Edmonton, Alberta. (Map 6A.) 1911. Isobathic lines showing cover over "Clover Bar" coal seam. Scale: 2,640 feet to 1 inch.


Note: The French edition erroneously bears the number "1130." For preliminary report see No. 1072.

Accompanying Maps:

1132. Bighorn coal basin, between Saskatchewan and Brazeau rivers, Alberta. (Map 7A.) 1910. Topography. Scale: 2 miles to 1 inch. Note: A topographical edition of this map was published separately in 1913. See No. 1210.

1210. Bighorn coal basin, between Saskatchewan and Brazeau rivers, Alberta. (Map 40A.) 1913 (dated 1911). Topography reconnaissance. Scale: about 2 miles to 1 inch. Note: An advance photographic edition of this map was published in 1911.


Note: For preliminary report see No. 1120.


Note: For preliminary report see No. 1120.

Note: See introductory remarks on p. 117. For report on fieldwork, by L. M. Lambe, see No. 959.


Note: For preliminary reports see Nos. 1072, 1120, and 1170.

Accompanying Map:


Note: For short notes on the fieldwork, by John Macoun, see Nos. 1072 and 1120.


Memoir No. 16. The clay and shale deposits of Nova Scotia and portions of New Brunswick. Published in English 1911, and French 1913 (dated 1912), Ottawa. 8vo. pp., English 184, French 187. With map No. 1153, 47 other illustrations, and appendices I and II (folding sheets). By H. Ries, assisted by J. Keele.

Appendix I. Summary table of physical tests.

Appendix II. Summary table of physical tests.

Note: For preliminary reports see No. 1120.

Accompanying Map:

Memoir No. 17. Geology and economic resources of the Larder Lake district, Ont., and adjoining portions of Pontiac county, Que. Published in English 1913 (dated 1912), and French 1914, Ottawa. 8vo. pp., English vii, 62, French viii, 70. With maps Nos. 1177, 1178, and 16 other illustrations. By M. E. Wilson.

Note: For preliminary reports see Nos. 1072 and 1120.

Accompanying Maps:

Memoir No. 18. Bathurst district, New Brunswick. Published in English 1913 (dated 1911), and French 1914, Ottawa. 8vo. pp., English 96, French 98. With maps Nos. 1155, 1156, 1162, 1163, and 1 other illustration. By G. A. Young.

Note: Part of the English edition was issued in advance without maps Nos. 1162 and 1163. For preliminary reports see Nos. 1072 and 1120.

Accompanying Maps:

Millstream iron deposit, Gloucester county, New Brunswick. (Map 24A.) 1911. Scale: 400 feet to 1 inch.

Nipisiquit iron deposit, Gloucester county, New Brunswick. (Map 25A.) 1911. Scale: 400 feet to 1 inch.

Bathurst and vicinity, Gloucester county, New Brunswick. (Map 26A.) 1914 (dated 1911). Topography. Scale: about 1 mile to 1 inch.

Bathurst and vicinity, Gloucester county, New Brunswick. (Map 27A.) 1914 (dated 1911). Geology. Scale: about 1 mile to 1 inch.
1166. (F) Memoir No. 19. Mother Lode and Sunset mines, Boundary district, B.C. Published in English 1914 (dated 1913), and French 1915, Ottawa. 8vo. pp., English iv, 56, French v, 61. With maps Nos. 1167, 1168, and 12 other illustrations. By O. E. LeRoy.

Accompanying Maps:
Note: An advance photographic edition was issued in 1910.
1168. Mother Lode and Sunset mines, Deadwood, British Columbia. (Map 30A.) 1913 (dated 1911). Geology. Scale: 400 feet to 1 inch.

Note: Contains a chapter on economic minerals other than gold. Part of the English edition was issued in advance without the maps. For summaries of work by E. R. Faribault see Summary Reports from 1887 to 1910.

Note: This map also shows the gold areas and localities of minerals other than gold.

Note: For preliminary report see No. 1072.


Note: For preliminary reports see Nos. 1017 and 1120.

1154. Thetford-Black Lake mining district, counties of Beauce, Megantic, and Wolfe, Quebec. (Map 23A.) 1911. Scale: 1 mile to 1 inch.
1184. Danville mining district, counties of Arthabaska, Richmond, and Wolfe, Quebec. (Map 38A.) 1912 (dated 1911). Scale: 1 mile to 1 inch.
Note: An advance photographic edition was published in 1911.
1202. Northeast part of the serpentine belt, Eastern Townships, Quebec. (Map 52A.) 1913 (dated 1911). Scale: 4 miles to 1 inch.

1188. (E) Memoir No. 23. Geology of the coast and islands between the strait of Georgia and Queen Charlotte sound, B.C. Published in English 1914 (dated 1913), and French 1915, Ottawa. 8vo. pp., English viii, 152, French viii, 162. With map No. 1241, and 34 other illustrations. By J. A. Bancroft.
Note: For preliminary report see No. 1017.

1241. Coast and islands between strait of Georgia and Queen Charlotte sound, British Columbia. (Map 65A.) 1913. Scale: 4 miles to 1 inch.

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1201, folding sheet (table of physical tests), and 76 other illustrations.

By H. Ries and J. Keele.

Note: For preliminary reports see No. 1170. See also Nos. 1279, 1234, 1453, and 1455.

Accompanying Map:

†1201. Geological map of portions of Alberta, Saskatchewan, and Manitoba. (Map 51A.) 1912 (dated 1911). Scale: 35 miles to 1 inch.

1279. (E) Memoir No. 25. Report on the clay and shale deposits of the western provinces. (Part II.) Published in English 1914 (dated 1913), and French 1916, Ottawa. 8vo. pp., English 105, French vii, 100. With 46 illustrations and folding sheet (summary of physical tests).

By H. Ries and J. Keele.

Note: For preliminary reports see No. 1218. For part I see No. 1204.


Note: Part of the English edition was issued in advance without maps Nos. 1195 and 1196. For preliminary reports see Nos. 1120 and 1170.

Accompanying Maps:

1195. Tulameen, Yale district, British Columbia. (Map 45A.) 1913 (dated 1911). Topography. Scale: about 1 mile to 1 inch.

1196. Tulameen, Yale district, British Columbia. (Map 46A.) 1913 (dated 1911). Geology. Scale: about 1 mile to 1 inch.

Note: An advance photographic edition of this map was published in 1911.

1197. Law’s mining camp, near Tulameen, B.C. (Map 47A.) 1912 (dated 1911). Scale: 600 feet to 1 inch.

1198. Tulameen coal area, Yale district, British Columbia. (Map 48A.) 1911. Scale: ½ mile to 1 inch.


Accompanying Map:

1223. Frank, Alberta: showing the landside of 1903. (Map 57A.) 1917. Scale: 800 feet to 1 inch.


Note: The second part of this memoir was reprinted and published as a separate. See No. 1024. For preliminary note by A. C. Lawson see No. 1218.


†1220. (E) Memoir No. 29. Oil and gas prospects of the northwest provinces of Canada. Published in English 1913, and French 1915, Ottawa. 8vo. pp., English vi, 99, French vi, 131. With map No. 1221, folding sheet (table of formations), 2 diagrams, and 9 other illustrations. [Compiled] by W. Malcolm.

Note: Part of the English edition was issued in advance without the map.

Accompanying Map:

1221. Geological map of Alberta, Saskatchewan, and Manitoba. (Map 55A.) 1913. Scale: 35 miles to 1 inch.

Note: This map was reprinted in 1914 for the Mines Branch and that edition was also used for Memoir No. 33 (No. 1363).

**Note:** Part of the English edition was issued in advance without the map. For preliminary reports see Nos. 959, 1017, 1072, 1120, and 1170.

**Accompanying Map:**

1226. Explored routes in the lower parts of the drainage area of Churchill and Nelson rivers, Manitoba and Saskatchewan. (Map 58A.) 1915 (dated 1914). Scale: 16 miles to 1 inch.

1228. (E) Memoir No. 31. Wheaton district, Yukon Territory. Published in English 1913 (dated 1912), and French 1915, Ottawa. 8vo. pp., English x, 153, French xii, 176. With diagram of Wheaton map-area No. 1229a, and 28 other illustrations. By D. D. Cairnes.

**Note:** For preliminary report see No. 1120. See also No. 982.


**Accompanying Maps:**

1229a. Diagram of Wheaton map-area, Yukon, 1912. Geology. Scale: 2 miles to 1 inch.

**Note:** The portion of D. D. Cairnes' report in Summary Report, 1915, relating to the Wheaton district, was published as a separate (in English only) without repaging and accompanied by map No. 1259, forming a supplement to Memoir No. 31. See No. 1620.


1231. Wheaton, Yukon Territory. (Map 60A.) 1917. Geology. Scale: about 1 mile to 1 inch.

**Note:** The above map (No. 1231) was published separately in 1917.


**Note:** For preliminary reports see Nos. 1170 and 1218. The number "1235" was also, by mistake, printed on a map instead of "1245." See p. 92.

**Accompanying Map:**

1200. Part of Portland Canal mining area, British Columbia. (Map 50A.) 1913 (dated 1911). Topography. Scale: about 2 miles to 1 inch.

**Note:** An advance photographic edition of this map was published in 1911.

1242. (E) Memoir No. 33. The geology of Gowganda mining division. [Ontario.] Published in English 1914 (dated 1913), and French 1915, Ottawa. 8vo. pp., English vii, 121, French vii, 141. With map No. 1244 (in 2 sheets), and 14 other illustrations. By W. H. Collins.

**Notes:** For preliminary reports see Nos. 1072, 1120, and 1170.

**Accompanying Map:**

1244. Advance geological copy of map of Gowganda mining division and vicinity, Ontario. (Map 64A.) 1913. Scale: 1 mile to 1 inch. In two sheets, as follows:

- 1244a. South half.
- 1244b. North half.


**Notes:** For preliminary reports see Nos. 1170, 1218, and 1305.
1337. 
Accompanying Map:
Southwestern Ontario. (Map 116A.) 1915 (dated 1914). Scale: 12 miles to 1 inch.

1338. (E) Memoir No. 35. Reconnaissance along the National Transcontinental railway in southern Quebec. Published in English 1913 (dated 1912) and French 1914, Ottawa. 8vo. pp., English vii, 42, French vii, 42, with map No. 1180, and 10 other illustrations. By J. A. Dresser.
Note: For preliminary report see No. 1072.

Accompanying Map:
1180. Vicinity of the National Transcontinental railway between the counties of Lévis and Temiscouata, Quebec. (Map 34A.) 1911. Scale: 8 miles to 1 inch.

Note: Part of the edition was issued in advance without the maps. For preliminary report see No. 1176. See also Memoir No. 13.

Accompanying Maps:
1254. Saanich sheet, Vancouver island, British Columbia. (Map 73A.) 1915. Superficial geology. Scale: about 1 mile to 1 inch.
The two following maps (Nos. 1148 and 1149), published separately in 1915, are intended to accompany Memoir No. 36 although not included in the list of contents.

Note: A limited edition of this map was published separately in 1911.

Note: A limited edition of this map was published separately in 1911.

Note: For preliminary report see No. 1170.

Accompanying Map:
1283. Taku arm, Atlin district, B.C. (Map 94A.) 1913. Scale: 4 miles to 1 inch.
Note: This is a preliminary map. Detailed geological and topographical maps are in preparation and will be published later.

Note: Reprinted, with the maps, from Report of the Chief Astronomer, 1910 (Appendix 6. Sessional paper No. 25a, 1912), by permission of W. F. King, Chief Astronomer. For preliminary reports see Nos. 761 or 762, 816 or 817, 865 or 866, 899 or 900. Part I. Chapters I to XVIII. Ottawa, 1913 (dated 1912). 8vo. pp., xxix, 546. With folding sheet (correlations in the Rocky Mountain geosynclinal), and 104 illustrations.
Part II. Chapters XIX to XXVIII. Ottawa, 1913 (dated 1912). 8vo. pp., xxix, 310. With 51 illustrations and appendices A and B.

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Appendix A. Table of chemical analyses of rocks. By M. F. Connor and M. Dittrich.

Appendix B. A report on fossil plants from the International Boundary survey for 1902-05, collected by Dr. R. A. Daly. With 20 illustrations. By D. P. Penhallow.

Note: Reprinted from Transactions of Royal Society of Canada, Section IV, 1907, pp. 287-334.

Part III. Portfolio containing geological maps Nos. 1260 to 1276, 2 sheets of photographic panoramas, index map, and errata slip.

Maps contained in Part III:
The map-sheets connect in the order given below, from east to west, and have a uniform scale of 1 mile to 1 inch. Each sheet contains also a structure section. Reprinted and published by the Geological Survey, 1913.


Note: Reprinted, 1913, with change of colours, for the Mines Branch.


1270. Sheet 11. Okanagan. (Map 84A.) Contour interval 100 feet.


1280. (E) Memoir No. 39. Kewagama Lake map-area, Quebec. Published in English 1914 (dated 1913), and French 1915, Ottawa. 8vo. pp., English vi, 134, French vii, 137. With map No. 1282 and 42 other illustrations. By M. E. Wilson.

Note: For preliminary reports see Nos. 1170 and 1218. Advertisement pages at back of volume are erroneously included in the pagination.

Accompanying Map:

Kewagama, Abitibi and Pontiac, Quebec. (Map 93A.) 1914 (dated 1913). Scale: 4 miles to 1 inch.

Note: This map erroneously bears the number "1280."


Note: For preliminary report see No. 1218.

Accompanying Map:

Rainy lake, Rainy River district, Ontario. (Map 98A.) 1914. Geology. Scale: 1 mile to 1 inch.

1309. (E) Memoir No. 41. The "Fern ledges" Carboniferous flora of St. John, New Brunswick. Published in English 1914, and French 1917, Ottawa.
Memoir No. 42. The double-curve motive in northeastern Algonkian art. Published in English 1914, and French 1915, Ottawa. 8vo. pp., English v, 17, French vii, 21. With 70 illustrations. By F. G. Speck.


Note: For preliminary report see No. 1218.


Memoir No. 46. Classification of Iroquoian radicals with subjective pronominal prefixes. Published in English 1915. 8vo. pp. iii, 30. With appendix. By C. M. Barbeau. Appendix. I. List of Wyandot phonetic signs. II. Dr. F. Boas’ “Subjective prefixes”, and “Objective prefixes”. III. Cuq’s paradigm K, and Cuq’s paradigms A and B.

Memoir No. 47. Clay and shale deposits of the western provinces. Part III. Published in English 1914, and French 1915, Ottawa. 8vo. pp., English iv, 73, French vi, 80. With folding sheet (table of physical tests) and 23 illustrations. By H. Ries.


Note: Includes report on Carboniferous fossils from the district by G. H. Girty. For preliminary reports see Nos. 1359 and 1503.

Canadian routes to White River district, Yukon, and to Chisana district, Alaska. (Map 112A.) 1914. Scale: 16 miles to 1 inch.

Upper White River district, Yukon Territory. (Map 122A.) 1915. Topography. Scale: about 4 miles to 1 inch.

Upper White River district, Yukon Territory. (Map 123A.) 1915. Geology. Scale: about 4 miles to 1 inch.

Note: Part of the English edition was issued in advance without the maps. For preliminary report see No. 1218.


Note: Two editions were published in the same year, with no alterations. An advance photographic edition was published in 1911.


Note: Map No. 1219 is a preliminary map covering the same area.


Note: For preliminary report see No. 1359.


Note: This memoir is a revised edition of report No. 1035, published in 1909. Part of the English edition was issued in advance without the map.


1370. (E) Memoir No. 55. Geology of Field map-area, B.C. and Alberta. Published in English 1914, and French 1917. 8vo. pp., English ix, 312, French ix, 319. With map No. 1445 and 43 other illustrations. By J. A. Allan.

Note: For preliminary reports see Nos. 1170, 1218, and 1305.

A. Memoir No. 56. Geology of Franklin mining camp, British Columbia. Published in English 1915, and French 1917, Ottawa. 8vo. pp., English ix, 246, French x, 266. With maps Nos. 1286, 1381, block diagram No. 1382, and 48 other illustrations. By C. W. Drysdale.

Note: For preliminary report see No. 1218. See also reports by R. W. Brock in Nos. 716 or 717, and 959.

A. Memoir No. 57. Franklin mining camp, West Kootenay, British Columbia. (Map 97A.) 1914. Scale: 2,000 feet to 1 inch.

1381. Mineral claims, Franklin mining camp, West Kootenay, B.C. (Map 133A.) 1914. Scale: 2,500 feet to 1 inch.

1382. Block diagram of McKinley mine, Franklin mining camp, West Kootenay, B.C. (Fig. 16.) 1914. Scale: horizontal, about 13.33 feet, and vertical, about 33.3 feet, to 1 inch.

Note: For preliminary report see No. 899 or 900.

1023. Geological map of central Ontario showing the position of the several belts of corundum-bearing rocks. 1909. Scale: about 18 miles to 1 inch.

†1473. Craig mine, Raglan township, Ontario. 1914. Topography. Scale: 800 feet to 1 inch.


Note: Includes report by L. M. Lamb on fossil Pelecypoda from Cretaceous rocks half a mile east of Cook bay. Part of the edition was issued in advance without maps Nos. 1313, 1314, and 1319. For preliminary reports see Nos. 1072, 1120, and 1305.


**Note:** Part of the English edition was issued in advance without the maps. For preliminary report see No. 1170.

**Accompanying Maps:**

1396. Arisaig, Antigonish county, Nova Scotia. (Map 137A.) 1915. Scale: ½ mile to 1 inch.


Note: This is virtually a reprint, with certain verbal changes, of report No. 968 published in 1908. The term "Belly river" is substituted for "Judith river". The French edition does not bear "Memoire No. 61" on the cover. It contains the letter of transmittal which belongs to No. 968, and the index, which is in the English edition, is omitted.

**Accompanying Maps:**


966. Topographical map showing coal areas of the Moose Mountain region of the "disturbed belt", southern Alberta. (Reprint of map published in 1907 to accompany report No. 968.) 1914. Scale: 2 miles to 1 inch.


Note: For reports on field-work see Nos. 1170 and 1503.


Note: The numbers on cover of separate containing Memoirs Nos. 62 and 63, and also on title-pages of each memoir, are erroneously printed "1427" and "1429". For report on field-work see No. 1170.


Note: For preliminary reports see Nos. 1305 and 1359.

**Accompanying Map:**

1390. Part of the province of Quebec. (Map 134A.) 1914. Outline map. Scale: 35 miles to 1 inch.

1453. (E) Memoir No. 65. Clay and shale deposits of the western provinces. (Part IV.) Published in English 1915, and French 1916, Ottawa. 8vo. pp., English iv, 83, French v, 90. With folding sheet (summary of tests on wet-moulded bricklets), and 31 illustrations. (Bound with No. 1455.) By H. Ries.

Note: For preliminary report see No. 1359. For parts I, II, and III see Nos. 1204, 1279, and 1324.


Note: For preliminary report see No. 1359. For parts I, II, III, and IV, see Nos. 1204, 1279, 1324, and 1453.

1461. (E) Memoir No. 67. The Yukon-Alaska International boundary, between Porcupine and Yukon rivers. Published in English 1915 (dated 1914),
and French 1917, Ottawa. 8vo. pp., English v, 161, French v, 141. With maps Nos. 1443, 1444, folding sheet (table of formations), and other illustrations. By D. D. Cairns.

Note: Includes reports on fossils by E. M. Kindle, L. M. Lambe, L. D. Burling, W. A. Parks, G. H. Girty, and R. Ruedemann, and list of plants by J. M. Macoun. (See also Summary Reports for 1911, 1912, and 1913.) Part of the English edition was issued in advance without the maps. For preliminary reports see Nos. 1218 and 1305.

Accompanying Maps:


1463. (E) Memoir No. 68. A geological reconnaissance between Golden and Kootenays, B.C., along the Canadian Pacific railway. Published in English 1917, Ottawa. 8vo. pp., English x, 260, French xi, 275. With map No. 1446, diagrams Nos. 1447 to 1450, 1458, section No. 1457, folding sheet (correlations in the Rocky Mountain geosynclinal), and 52 other illustrations (3 of these in pocket with maps). By R. A. Daly.

Note: For preliminary reports see Nos. 1218, 1305, and 538.

1446. Shuswap lake, Kamloops district, British Columbia. (Map 143A.) 1915. Scale: 4 miles to 1 inch.

Note: See also maps Nos. 604 and 669.

1447. Prairie hills and Dogtooth mountains. 1915. Geology. Scale: 2.6 miles to 1 inch.

Note: A reprint of map No. 538h (not uniform in colours).

1448. Albert canyon. 1915. Geology. With section. Scale: 1.4 miles to 1 inch.

Note: A reprint of map No. 538f (not uniform in colours).

1449. Glacier. 1915. Geology. With section. Scale: 1.9 miles to 1 inch.

Note: A reprint of map No. 538i (not uniform in colours).

1450. Geology of the railway belt between Golden and Revelstoke, 1915. Scale: 10 miles to 1 inch.

Note: A reprint of map No. 538g (not uniform in colours).

1457. Structure section of the Selkirk and Purcell mountains, from Moberly peak to Revelstoke, 1915. Horizontal and vertical scale: 2 miles to 1 inch.

Note: A reprint of section No. 538e (not uniform in colours).

1458. Diagram showing major subdivisions of Cordillera and approximate distribution of Shuswap terrane, southern British Columbia. 1915. Scale: 171.5 miles to 1 inch.

Note: See also map No. 538a.


1412. Coal-fields of British Columbia. (Map 139A.) 1915. Scale: 35 miles to 1 inch.

1413. Crowfoot and Elk River coal-areas. (Diagram I.) 1915. Scale: about 10 miles to 1 inch.

1414. Flathead coal areas. (Diagram II.) 1915. Scale: 2½ miles to 1 inch.

1415. Cowichan Basin and Nanaimo coal-field. (Diagram III.) 1915. Scale: 9 miles to 1 inch.

1416. Comox coal-area. (Diagram IV.) 1915. Scale: 15½ miles to 1 inch.

1417. Suquash coal-area. (Diagram V.) 1916. Scale: 7½ miles to 1 inch.

1418. Quatsino Sound coal-area. (Diagram VI.) 1915. Scale: about 6 miles to 1 inch.

1419. Koskemeo coal-area. (Diagram VII.) 1915. Scale: about 2½ miles to 1 inch.
Graham Island coal-areas. (Diagram VIII.) 1915. Scale: about 13 miles to 1 inch.

Kispiox and Shagunis coal-areas. (Diagram IX.) 1915. Scale: 2·2 miles to 1 inch.

Telkwa River coal-areas. (Diagram X.) 1915. Scale: about 3 miles to 1 inch.

Clark Fork coal-areas. (Diagram XI.) 1915. Scale: 3 miles to 1 inch.

Chisholm Creek coal-area. (Diagram XII.) 1915. Scale: about 2·3 miles to 1 inch.

Greendhog coal-area. (Diagram XIII.) 1915. Scale: about 7·6 miles to 1 inch.

Atlin coal-areas. (Diagram XIV.) 1915. Scale: about 51 miles to 1 inch.

Peace River coal-area. (Diagram XV.) 1915. Scale: about 8·6 miles to 1 inch.

NOTE: By mistake, the number of this map \textquoteright 1427\textquoteright was also printed on Memoir 62 (No. 1437).

White Lake coal-area. (Diagram XVI.) 1915. Scale: about 5 miles to 1 inch.

Princeton coal-area. (Diagram XVII.) 1915. Scale: 2·4 miles to 1 inch.

NOTE: By mistake, the number of this map \textquoteright 1429\textquoteright was also printed on Memoir 63 (No. 1439).

Tulameen coal-areas. (Diagram XVIII.) 1915. Scale: 1 mile to 1 inch.

Nicoa and Quilczenia coal-areas. (Diagram XIX.) 1915. Scale: about 11·4 miles to 1 inch.

Kamloops Lake coal-areas. (Diagram XX.) 1915. Scale: 4 miles to 1 inch.

Hat Creek coal-areas. (Diagram XXI.) 1915. Scale: about 5 miles to 1 inch.

Coal Creek (North Thompson river) coal-area. (Diagram XXII.) 1915. Scale: about 4·5 miles to 1 inch.

Liard River coal-areas. (Diagram XXIII.) 1915. Scale: about 40 miles to 1 inch.

NOTE: By mistake, the number of this map \textquoteright 1427\textquoteright was also printed on Memoir 62 (No. 1437).


Accompanying Map:

Hunting territories of the Timagami, Timiskaming, Kipawa, and Dumoine Indian bands. (Map 144A.) 1915 (dated 1914). Scale: 16 miles to 1 inch.

MEMOIR NO. 71. Myths and folk-lore of the Timiskaming Algonquin and Timagami Ojibwa. Ottawa, 1915. Svo. pp., v, 87. With map No. 1479 (see above), 2 other illustrations, and appendix. (Bound with No. 1469.) By F. G. Speck.


MEMOIR NO. 72. The artesian wells of Montreal. Published in English 1915, and French 1917, Ottawa. Svo. pp., English vii, 153, French viii, 159. With diagram No. 1490, 5 folding sheets (list of wells and list of analyses), and 6 other illustrations. By C. L. Cumming.

NOTE: Part of the English edition was issued in advance without the diagram.

Accompanying Diagram:

Diagram of the city of Montreal and vicinity, showing location of artesian wells. 1915. Scale: 2400 feet to 1 inch.


NOTE: Part of the edition was issued in advance without the maps.

Accompanying Maps:

Island of Montreal, Quebec. (Map 148A.) 1916. Scale: about 1·1 miles to 1 inch.

City of Montreal, Quebec. (Map 149A.) 1916. Scale: 0·40 mile to 1 inch.

Memoir No. 75. Decorative art of Indian tribes of Connecticut. Published in English 1915, and French 1917, Ottawa. 8vo. pp., English iv, 73, French iv, 71. With 112 illustrations. By F. G. Speck.


Note: Part of the edition was issued in advance without the map. For preliminary reports see Nos. 1120, 1170, 1218, 1305, and 1359.

Accompanying Map:
Cranbrook, Kootenay district, British Columbia. (Map 174A.) 1915. Scale: 4 miles to 1 inch.

Memoir No. 77. Geology and ore deposits of Rossland, British Columbia. Published in English 1915, and French 1917, Ottawa. 8vo. pp., English xv, 317, French xy, 369. With maps Nos. 1001 (reprint), 1002, 1003 (reprint), 1004, 1496, plans Nos. 1518, 1549, 1550, sections Nos. 1547, 1548, 1551, folding sheet (monthly mean temperature), and 57 other illustrations. By C. W. Drysdale.

Note: For preliminary report see No. 1359. For work by R. G. McConnell see Nos. 552 or 553, 582 or 583, 613 or 614; and by R. W. Brock Nos. 939, 959, 1017, 1072, and 1120.

Accompanying Maps, Plans, and Sections:
Special map of Rossland, British Columbia. Topographical sheet. 1915. [Reprint]. Scale: 400 feet to 1 inch.

Note: The first edition of this map was published separately in 1908.


Rossland mining camp, British Columbia. Topographical sheet. 1915. [Reprint]. Scale: 1,200 feet to 1 inch.

Note: The first edition of this map was published separately in 1908.


Stereograms of a block of ore-bearing country, Rossland, B.C. (Map 146A.) 1915. Horizontal and vertical scales: 400 feet to 1 inch.

Geological plan of the principal mines at Rossland, B.C., with accompanying sections. 1915. Scale: 200 feet to 1 inch.

Plan of 450-foot level (elevation 3,451 feet above sea-level), LeRoi mine, Rossland, B.C. 1915. Scale: about 250 feet to 1 inch.

Note: On the printed scale “200” and “300” should read “300” and “400” respectively.

Plan of 850-foot level, White Bear mine, Rossland, B.C. 1915. Scale: about 182 feet to 1 inch.

Longitudinal projection of Centre Star mine, Rossland, B.C. 1915. Scale: about 476 feet to 1 inch.

Longitudinal projection of Columbia-Kootenay mine, Rossland, B.C. 1915. Scale: about 333 feet to 1 inch.

Hypothetical sections illustrating the progressive development of the geological structure at Rossland, B.C. (Line of section east-west, 400 feet north of War Eagle shaft). 1915. Vertical and horizontal scale: about 8,600 feet to 1 inch.

Memoir No. 78. Wabana iron ore of Newfoundland. Ottawa, 1915. 8vo. pp., vi, 163. With 4 folding sheets (map, plan, and sections), and 47 other illustrations. By A. O. Hayes.


Note: Part of the edition was issued in advance without map No. 1183. Mr. Reinecke's report on the physiography of the same area.
is contained in Museum Bulletin No. 11. (See No. 1508.) For preliminary reports see Nos. 1120, 1170, and 1218.

Accompanying Maps:

Note: “West fork of Kettle river”, appearing on the topographical edition (No. 1182) of this map (in southwest corner) was changed in the geological edition (No. 1183) to read “West Kettle river”.

1530. Silver-lead mines on Wallace mountain. 1915. Geology. Scale: 1,250 feet to 1 inch.

Appendix: I. Myths. II. Folk tales. III. Traditions and anecdotes.
Note: For reports on field-work see Nos. 1218 and 1305.


Note: Part of the edition was issued in advance without the map. For preliminary reports see Nos. 1359 and 1503.

1379. (F) Accompanying Map: Southwestern portion of Rainy River district, Ontario. (Map 132A.) 1918. Scale: 2 miles to 1 inch.


Note: Part of the edition was issued in advance without the map. For preliminary report see No. 1503.

1644. (F) Accompanying Map: Explored routes between lake Athabaska and Great Slave lake on the Tazin, Talson, Slave, and Peace rivers, Alberta, Saskatchewan, and North West Territories. (Map 186A.) 1917. Scale: 8 miles to 1 inch.

1614. Memoir No. 85. Road material surveys in 1914. Ottawa, 1916. 8vo. pp., xi, 244. With maps Nos. 1566 to 1590, folding sheet (tests on diabase and basalt), and 18 other illustrations. By L. Reinecke.
Note: This memoir contains five parts, which have been published also as separates. See below, Nos. 1625-1627. For preliminary report see No. 1503.

1586. Lines of transportation in southern Ontario. (Map 169A.) 1916. Scale: 35 miles to 1 inch. (Also with No. 1627.)

1587. Trap deposits on the north shore of lake Huron, Ontario. (Map 170A.) 1916. Scale: 4 miles to 1 inch. (Also with No. 1627.)

1588. Road metal deposits in Essex county, Ontario. (Map 171A.) 1916. Scale: 4 miles to 1 inch. (Also with No. 1626.)

1589. Road metal deposits in Kent county, Ontario. (Map 172A.) 1916. Scale: 4 miles to 1 inch. (Also with No. 1626.)

1590. Sand and gravel deposits along the north shore of lake Ontario, Ontario. (Map 173A.) 1916. Scale: 4 miles to 1 inch. (Also with No. 1625.)

Contains:
Part I. Roads and the materials used in their construction.
Part II. Deposits of diabase along the north shore of lake Huron.

Contains:
Part I. Roads and the materials used in their construction.
Part III. Road materials in Essex county.
Part IV. Road materials in Kent county.

Contains:
Part I. Roads and the materials used in their construction.
Part V. Road materials along the north shore of lake Ontario between Port Hope and Hamilton.

Note: The word "Iroquois" is misprinted "Iroquis" on title-page. For reports on field-work see Nos. 1305, 1359, 1503, and 1616.

Note: Part of the edition was issued in advance without the maps. For preliminary report see No. 1503. For work by D. B. Dowling see No. 1359.

Accompanying Maps:
Portion of Flathead coal area, Kootenay district, British Columbia. (Map 166A.) 1917. Topography. Scale: about 1 mile to 1 inch.
Note: A limited number of special photographic copies of the manuscript map were issued by the topographic division. Scale 4,000 feet to 1 inch.

Portion of Flathead coal area, Kootenay district, British Columbia. (Map 182A.) 1917. Geology. Scale: about 1 mile to 1 inch.

Note: Part of the edition was issued in advance without the maps. For preliminary reports see Nos. 1359 and 1503. For work by C. H. Clapp see No. 1305.

Accompanying Maps:
Graham island, Queen Charlotte islands, British Columbia. (Map 176A.) 1916. Scale: 4 miles to 1 inch.
Southern portion of Graham island, Queen Charlotte islands, British Columbia. (Map 177A.) 1916. Scale: 2 miles to 1 inch.

Note: For preliminary reports see Nos. 1359 and 1503.

Accompanying Map:
Wood Mountain-Willowbunch coal area, Saskatchewan. (Map 181A.) 1916. Scale: 4 miles to 1 inch.
Note: See also maps Nos. 1338 and 1350.


Accompanying Map:
Eskimo tribes of the Labrador peninsula. (Map 156A.) 1916. Scale: 100 miles to 1 inch.

**Note:** Contains report by P. E. Raymond on fossils from lake St. John. For preliminary report see No. 1616.

**Accompanying Map:**

Roberval, Lake St. John county, Quebec. (Map 184A.) 1916. Scale: 2 miles to 1 inch.


**Accompanying Maps, etc.:**

Southern plains of Alberta. (Map 187A.) 1917. Scale: about 8 miles to 1 inch.

View of model of the southern plains of Alberta (from northwest). 1917.

View of model of the southern plains of Alberta (from southeast). 1917.


**Note:** Includes list of plants by J. M. Macoun. For preliminary report see No. 1503.

**Accompanying Maps and Diagrams:**

Ymir, Kootenay district, British Columbia. (Map 175A.) With two sections. 1916. Scale: 1 mile to 1 inch.

Block diagram of the Tamarac fissure vein, showing structural relations of the ore shoots. 1916. Scale: about 80 feet to 1 inch.

Stereogram of Wilecox mine and adjoining properties, showing geological relations of main veins and claim boundaries. Contour interval 200 feet. 1916. Horizontal scale: front 634.9 feet to 1 inch, side 485 feet to 1 inch. Vertical scale: 60.7 feet to 1 inch.

Stereogram of Porto Rico contact vein. Showing the relations of the vein to kersantite dyke and porphyrite sills. 1916. Horizontal scale: front 286.4 feet to 1 inch, side 384.6 feet to 1 inch. Vertical scale: 218.6 feet to 1 inch.


**Note:** Part of the edition was issued in advance without map No. 1621. For preliminary reports see Nos. 1218 and 1305.

**Accompanying Maps:**

1544. Asquith and Churchill townships, Sudbury district, Ontario. (Map 153A.) 1916. Scale: 1 mile to 1 inch.

1621. Onaping, Sudbury and Timiskaming districts, Ontario. (Map 179A.) 1917. Scale: 4 miles to 1 inch.

**Note:** This is sheet No. 139 of the Ontario series of maps.


**Note:** Part of the edition was issued in advance without maps Nos. 1192 and 1194. For preliminary report see No. 1359.

**Accompanying Maps:**


**Note:** Re-issued, 1917. An advance photographic edition of this map was published in 1911.


**Note:** An advance photographic edition of this map was published in 1911.
1194. Sooke sheet, Vancouver island, British Columbia. (Map 44A.) 1918.
   Geology. Scale: about 2 miles to 1 inch.

1567. East Sooke; Vancouver island, British Columbia. (Map 157A.) 1917.
   Topography. Scale: 2,000 feet to 1 inch.

   Geology. Scale: 2,000 feet to 1 inch.

1664. Memoir No. 97. Scroggie, Barker, Thistle, and Kirkman creeks, Yukon
   Territory. Ottawa, 1917. 8vo. pp. iii, 47. With map No. 1618 and
   8 other illustrations. By D. D. Cairnes.
   Note: For preliminary report see No. 1616.
   Accompanying Map:

1618. Scroggie, Barker, Thistle, and Kirkman creeks, tributaries to Stewart and
   Yukon rivers, Yukon Territory. (Map 178A.) 1916. Scale: 4 miles
   to 1 inch.

1685. Memoir No. 98. Magnesite deposits of Grenville district, Argenteuil
   county, Quebec. Ottawa, 1917. 8vo. pp. v, 88. With diagrams
   Nos. 1674, 1675, 1679, and 15 other illustrations. By M. E.
   Wilson.
   Accompanying Diagrams:

1674. Diagram showing magnesite deposits, lots 15, ranges IX and X, Grenville
   township, Argenteuil county, Quebec. [1917.] Scale: 200 feet to
   1 inch.

1675. Diagram showing magnesite deposits, lot 15, range XI, Grenville township,
   Argenteuil county, Quebec. [1917.] Scale: 200 feet to 1 inch.
   Note: The above two diagrams are reprints of the editions issued
   to accompany Summary Report, 1916.

1679. Diagram showing magnesite outcrops in Grenville township, Argenteuil
   county, Quebec. [1917.] Scale: 60 feet to 1 inch.
PART IV.
MUSEUM BULLETINS.
PART IV.

MUSEUM BULLETINS.

The first Bulletin, published in 1913, was entitled "Victoria Memorial Museum Bulletin"; subsequent issues have been called "Museum Bulletins."

The Museum Bulletins published to date have been divided into three series—Geological, Biological, and Anthropological. All have the title of the series and the series number printed on them (e.g. "Biological Series, No. 6.") in addition to the bulletin number, except Bulletins Nos. 1 and 2. These contain articles on various subjects, to each of which a separate series number has been assigned.

The following list gives the Museum Bulletins published to date, arranged according to series, and preceded by their corresponding series numbers.

**GEOLOGICAL SERIES.**


**BIOLOGICAL SERIES.**


**ANTHROPOLOGICAL SERIES.**


Notes: A limited author's edition was printed of each paper, without repaging, and issued December 28, 1913.

Contains:

PALEONTOLOGY.


†1240b. III. The occurrence of Helodont teeth at Roche Miette and vicinity, Alberta. pp. 17-22. With 5 illustrations. See also notes in No. 1218 [xv].

†1240c. IV. Notes on *Cyclocystoides*. With 6 illustrations. By P. E. Raymond.


VI. Description of some new *Assaphidae*. With 8 illustrations. By P. E. Raymond.


VIII. A revision of the species which have been referred to the genus *Bathyurus*. Preliminary paper. With 20 illustrations. By P. E. Raymond.

Note: Parts IV to VIII are bound together (No. 1240c). pp. 23-80.

‡1240d. IX. A new brachiopod from the base of the Utica. pp. 81-86. With 3 illustrations. By A. E. Wilson.

PALEOBOTANY.


Note: Parts X and XI are bound together (No. 1240e). pp. 87-94.

MINERALOGY.


NATURAL HISTORY.


‡1240h. XIV. New species of mollusks from the Atlantic and Pacific coasts of Canada. pp. 139-146. With 6 illustrations. By W. H. Dall and F. Bartsch.

‡1240i. XV. Hydroids from Vancouver island. By C. McL. Fraser.


Note: Parts XV and XVI are bound together (No. 1240i) with cover-title: "Hydroids from Vancouver island and Nova Scotia." pp. 147-186.

ANTHROPOLOGY.


1342. (E) Museum Bulletin No. 2. Published in English July 30, 1914, and French July 26 (dated June 15), 1916. Ottawa. 8vo. pp., English iii, 140, French iii, 149. With 4 folding sheets (sections and correlation tables) and 51 illustrations.

Note: The parts (English edition) were also issued as separates, with separate pagination and numbered "1342." Through error, publication number on title-page of complete Bulletin reads "194.

Contains:

PETROLOGY.


PHYSICAL GEOGRAPHY.


ANTHROPOLOGY.


GEOLOGY.


PALEONTOLOGY.


Accompanying Map: Eskimo trade routes, Arctic coast, Canada. (Map 102A.) 1914. Scale: about 244 miles to 1 inch.


Note: Memoir No. 79 (No. 1537) describes the ore-deposits of the Beaverdell map-area.

Accompanying Maps:

1182. Beaverdell, Yale district, British Columbia. (Map 36A.) 1912 (dated 1911). Topography. Scale: about 1 mile to 1 inch.

Note: An advance photographic edition of this map was published in 1911.
1507. Index map. [Showing positions of Beaverdell, Tulameen, Kamloops, and Shuswap map-areas and boundary of interior plateaus.] [1915.] Scale: 100 miles to 1 inch.


1478. Diagram showing St. Lawrence submerged coastal plain. [1915.] Scale: about 21 miles to 1 inch.


1489. Diagram of Bonanza creek, Yukon, showing localities of discovery of Gay Gulch and Skookum meteorites. [1915.] Scale: 2 miles to 1 inch.


1522. Escarpment topography east of Montebello, Quebec. [1915.] Scale: 1 mile to 1 inch.

1523. Outline map of the Ottawa district, showing principal faults and lines of cross-sections. [1915.] Scale: about 9'2 miles to 1 inch.

1524. Cross-section from Kings mountain through Aylmer, Quebec. [1915.] Horizontal scale: about 3 miles to 1 inch.

1525. Cross-section to Vars, Ontario, from the Laurentian plateau near Montebello, Quebec. [1915.] Horizontal scale: about 10 miles to 1 inch.

1526. Sketch map showing ligation of Laurentian Plateau fault and of lake Erie and Montebello section. [1915.] Scale: about 128 miles to 1 inch.

1527. Cross-section from the Laurentian plateau to lake Erie at St. Thomas, Ontario. The line of section in the Ontario peninsula is about normal to the strike. [1915.] Horizontal scale: about 30 miles to 1 inch.


*Accompanying Diagram:*

Diagram showing shorelines of lake Algonquin and lake Iroquois. 1916. Scale: 6 miles to 1 inch.


PART V.
GUIDE BOOKS.
PART V.

GUIDE BOOKS.

Special English and French editions of the Guide Books prepared for the Twelfth International Geological Congress were issued by the Geological Survey after the close of the meetings. Certain maps accompanying the Congress edition (which was printed only in English) were omitted, but for completeness and to avoid confusion are noted in the following list. In order to complete the set, the contents of Guide Books Nos. 6 and 7, issued by the Ontario Bureau of Mines, of which the Geological Survey had copies for distribution, are also given. By mistake the crest of the International Geological Congress, instead of that of the Geological Survey, appears on the French edition. For reference purposes the special maps (including those in the text) which have been inserted in the finding lists (see part XVII) are designated by letters, a, b, c, etc. These special maps were not issued separately. In the finding lists each is noted by the publication number of the Guide Book in which it appears, followed by its distinctive letter, thus: 531a, 535c, etc. In addition to these special maps, some Geological Survey maps bearing the ordinary publication numbers of the Survey are included in the Guide Books.

Contains: General introduction.
Geology. By G. A. Young.
Physiography. By J. W. Goldthwait.
Quebec and vicinity. (Geology, with a bibliography.) See maps [a] to [c]. By P. E. Raymond.
Quebec and vicinity: physiographical notes. By J. W. Goldthwait.
Riviere du Loup. (Geology, with a bibliography.) Includes a short note on fossils by P. E. Raymond. See map [d]. By G. A. Young.
Bis. (Geology, with a bibliography.) See map [e]. By G. A. Young.
Bis: the post-Glacial marine submergence. By J. W. Goldthwait.
Dalhousie and the Gaspe peninsula. (Geology and paleogeography, with a bibliography.) See maps [f] to [l]. By J. M. Clarke.
The flora of the Gaspe sandstone. (Included in the above.)
By D. White.
Chaleur bay: physiographic note. By J. W. Goldthwait.
Bathurst Mines. (With a bibliography.) See map [m]. By G. A. Young.
Windsor-Horton. See map [n]. By W. A. Bell.
Introduction. (Physiographic notes.)
Annotated guide. Windsor to Avonport.
Horton Bluffs section.
The Horton flora. By D. White.
The Windsor sections.
Bibliography.
Annotated guide. Windsor to Truro. By G. A. Young.
Oldham gold district. See map [o]. By E. R. Faribault.
Annotated guide: Enfield to western end of Oldham gold district.
Annotated guide: Oldham gold district.
Annotated guide. Enfield to Truro. By G. A. Young.

Accompanying Maps:
Itinéraires des excursions A1, A5, A6, et A7. Scale: 75 miles to 1 inch.
Note: The above map is not included in the English special edition issued by the Geological Survey.
[a] Quebec and vicinity. Scale: 4 miles to 1 inch.
[b] Les Écluses (Québec). Scale: 1,500 feet to 1 inch.
[c] Montmorency falls (Québec). Scale: 800 feet to 1 inch.
[d] Rivière du Loup (Québec). Scale: 480 feet to 1 inch.
[e] Bic (Québec). Scale: about 1,200 feet to 1 inch.
[f] Eastern part of Gaspé (Québec). Scale: about 5 miles to 1 inch.
[g] Percé and vicinity (Québec). Scale: about 5,000 feet to 1 inch. (In pocket.)
[h] Percé, Gaspé (Québec). Scale: about 900 feet to 1 inch.
[i] The Forillon, Gaspé (Québec). Scale: 1-75 miles to 1 inch.
[j] Head of Chaleur bay (Québec and New Brunswick). Scale: about 5 miles to 1 inch.
[k] Scouenac bay, Québec. Scale: 1-6 miles to 1 inch.
[m] Bathurst iron mine (New Brunswick). Scale: 800 feet to 1 inch. (In pocket.)
o Oldham gold district and vicinity (Nova Scotia). Scale: 2 miles to 1 inch.
p Plan and sections of Oldham gold district, Halifax county, N.S. Scale: 500 feet to 1 inch. (In pocket.)
Note: This plan was not issued with the edition for the International Geological Congress, but is included, although not listed, in the English and French special editions issued by the Geological Survey. In the French edition it was placed by mistake in Guide Book No. 3.

Contains:
The Riversdale-Union group at Truro and in the type section along the Intercolonial railway east of Truro. See map [a].
Introduction. (With a bibliography.) By G. A. Young.
Character and fauna of the Riversdale and Union formations.
By J. E. Hyde.
The New Glasgow conglomerate. (With a bibliography.) See map [b].
By G. A. Young.
Sydney coal field. See map [c].
Introduction. (Geology.) By G. A. Young.
Note on the flora of the coal measures. By D. White.
The Carboniferous sections on Sydney harbour. See map [d]. By J. E. Hyde.
Bibliography.
Annotated guide. Sydney to George River station. By G. A. Young.
George river. (Geology, with a bibliography.) See map [E]. By G. A.
Young.
Annotated guide. George River station to Antigonish. By G. A.
Young.
Annotated guide. Arisaig. (Geology and paleontology, with a bibliography.) See maps
[f] and [g]. By W. H. Twenhofel.
The Joggins Carboniferous section. (With a bibliography.) See sec-
tion [h]. By W. A. Bell.
Moncton-Albert Mines. (Geology, with a bibliography.) See map [i].
By G. A. Young.
The Hillsborough gypsum deposit. (Included in the above.) By
H. E. Kramm.
St. John and vicinity. (Geology, with a bibliography.) See maps
[j] to [l]. By G. A. Young.
Fern Ledges. See map [a]. By M. C. Stopes.
Grand Falls, St. John river. (Geology, with a bibliography.) See map
[a]. By G. A. Young.

Accompanying Maps:
[a] Union-Riversdale [Nova Scotia]. Scale: 3 miles to 1 inch. (In pocket.)
b] New Glasgow [Nova Scotia]. Scale: 2,500 feet to 1 inch.
c] Sydney coal field [Nova Scotia]. Scale: 3 miles to 1 inch. (In pocket.)
d] Sydney [Nova Scotia]. Scale: 2 miles to 1 inch.
e] George River station [Nova Scotia]. Scale: 1,850 feet to 1 inch.
g] Arisaig [Nova Scotia]. Scale: 0.75 miles to 1 inch. (In pocket.)
h] Logan’s section of the Carboniferous at Joggins Mines [Nova Scotia]. Scale:
1.6 miles to 1 inch.
i] Moncton-Albert mines [New Brunswick]. Scale: 3.75 miles to 1 inch.
j] St. John and vicinity [New Brunswick]. Scale: 0.75 miles to 1 inch.
k] Part of St. John city [New Brunswick]. Scale: 1,250 feet to 1 inch.
l] Suspension bridge, St. John [New Brunswick]. Scale: 600 feet to 1 inch.
m] Fern Ledges [New Brunswick]. Scale: 900 feet to 1 inch.
n] Grand Falls [New Brunswick]. Scale: 1,200 feet to 1 inch.

Geological map of the Dominion of Canada and Newfoundland. (Map 91A.)
1913. Scale: 100 miles to 1 inch. (In pocket.)

Notes: This map was not included in the French special edition issued by the Geological Survey.

Guide Book No. 2. Excursions in the Eastern Townships of Quebec and
the eastern part of Ontario. (Excursions A2, A5, and A9). Published
in English 1913, and French 1916 (dated 1914), Ottawa. Small 8vo.
pp., English 142, French 142. With map No. 1023, 10 small maps,
and 21 other illustrations.

Contains:
Excursion A2. The Haliburton-Bancroft area of central Ontario. See
maps No. 1023 and [a] to [f]. By F. D. Adams and A. E. Barlow.
Introduction.
History of geological exploration in the Laurentian of eastern
Canada.
Physical features.
Geology of the area.
Itinerary of the excursion. (Annotated guide, and detailed geo-
logical and petrographical descriptions of the localities visited,
with list of references.)

Excursion A5. Asbestos deposits of the province of Quebec. (General
description; geology; chromite; and a bibliography.) See maps
[g] and [h]. By R. Harvie.
By M. B. Baker.
General description of the region.
Lead, phosphate, and mica deposits.
Feldspar, corundum, and scapolitization.
Paleozoic—Pre-Cambrian unconformity.
Historical note.
Bibliography.

Accompanying Maps:
Route map between Montreal, Ottawa, Kingston, and Toronto. Scale: about 38 miles to 1 inch.
Geological map of central Ontario, showing the position of the several belts of corundum-bearing rocks. 1909. Scale: 18 miles to 1 inch.
Bible: The above map (No. 1023) is not included in the English or French special editions issued by the Geological Survey. Same map accompanies Memoir 57 (No. 1022).

[a] Sketch map, showing the position of the Haliburton and Bancroft areas in relation to the Laurentian highlands, etc. Scale: 95 miles to 1 inch.
[b] Route map, Hastings road (Ontario). Scale: 2½ miles to 1 inch.
[c] Bancroft and vicinity (Ontario). Scale: 2½ miles to 1 inch.
[d] Gooderham and vicinity (Ontario). Scale: 2½ miles to 1 inch.
[e] Craigmont corundum belt (Ontario). Scale: 2½ miles to 1 inch.
[f] Craig mine, Raglan township, Ontario. Scale: 800 feet to 1 inch.
[g] The asbestos district of Quebec. Scale: 30 miles to 1 inch.
[h] Route map between Thetford and Coleraine (Quebec). Scale: 1·3 miles to 1 inch.
[i] Route map between Sydenham and Glendower (Ontario). Scale: 2½ miles to 1 inch.

Contains:
Excursion A6. The Morin anorthosite area. (General statement concerning the anorthosite intrusions of the Canadian shield; the Morin anorthosite; annotated guide; and a bibliography.) See map No. 750.
Excursion A7. The Montmorency hills. (Introduction; geology of Mont Royal, St. Helen island, and Mount Johnson; annotated guide; and a bibliography.) See maps [a] to [c].
Introduction. (General geological description.)
Annotated guide.
The apatite deposits at the Emerald mine. See maps [d] and [e].
The Eozoon occurrence at Côte St. Pierre. See maps [f] and [g].
The graphite deposits at the Walker mine. See maps [d] and [h].
The graphite deposits at the Dominion mine. See maps [d] and [i].
The mica deposits at the Nellis mine. See maps [j] and [k].
Bibliography.

Introduction. See map [l]. By J. W. Goldthwait.
The upper marine limit at Montreal. By J. W. Goldthwait. See maps [l] and [m].
The upper marine limit at Covey Hill and vicinity. See map [l].

Excursion A11. Ordovician of Montreal and Ottawa. (Descriptions of these formations at Montreal, Ottawa, and their vicinities; and a bibliography.) See maps No. 750 and [b]. By T. E. Raymond.
Accompanying Maps:

Note: The above map is not included in the English or French special editions issued by the Geological Survey.

[a] Montérégien hills. Scale: 8 miles to 1 inch.
[b] Montreal. Scale: 1,760 feet to 1 inch. (In pocket.)
[c] Mount Johnson. Scale: 1,800 feet to 1 inch.
[d] Route map between Buckingham and Emerald mine. Scale: 5,000 feet to 1 inch. (In pocket.)
[e] Emerald mine, Buckingham township, Quebec. Scale: 400 feet to 1 inch.
[f] Route map between Papineauville and Côte St. Pierre. Scale: 5,000 feet to 1 inch.
[g] Côte St. Pierre. Scale: 400 feet to 1 inch.
[h] Walker mine, Buckingham township, Quebec. Scale: 500 feet to 1 inch. (In pocket.)
[i] Dominion mine, Buckingham township, Quebec. Scale: 400 feet to 1 inch.
[j] Route map, Cautley, Quebec. Scale: 2,000 feet to 1 inch. (In pocket.)
[k] Neilis mine, Cautley, Quebec. Scale: 200 feet to 1 inch.
[l] South shore-line of the ancient Champlain sea. Scale: about 46 miles to 1 inch.
[m] Part of mount Royal [Montreal, Que.], showing upper marine beaches. Scale: 400 feet to 1 inch. (In pocket.)


Contains:
Excursions A4 and B1. Niagara—Iroquois beach.
Niagara falls and gorge. (Physiography, geology, etc.; and itinerary.) See map [b]. By F. B. Taylor.
Iroquois beach. (Geology and physiography; and a partial bibliography.) See map [c]. By A. P. Coleman.
Excursion A12. The paleontology of the Guelph, Onondaga, and Hamilton formations in western Ontario. (With annotated guide and a bibliography.) By W. A. Parks.
Geology of the region around Hagersville. See map [d]. By C. R. Stauffer.
Log of well at Petrolia.
The Hamilton formation at Thedford and vicinity. See maps [e] and [f]. By M. Y. Williams.
Excursion B3. The Palaeozoic section at Hamilton, Ontario. (Also section at Grimsby, and a bibliography.) See map [g]. By W. A. Parks.

Accompanying Maps:
Itinéraires des excursions A2, A3 et C6, A4, A8, A9, A10, A11, A12, et C8. Scale: about 78 miles to 1 inch.

Note: The above map is not included in the English special edition issued by the Geological Survey.

[a] Topographic map of the Niagara gorge, surveyed in co-operation by United States Geological Survey and Geological Survey of Canada. 1913. Scale: 1,000 feet to 1 inch.

Note: The above map is not included in the English or French special editions issued by the Geological Survey.

[b] Niagara gorge. Scale: 3,300 feet to 1 inch. (In pocket.)
[c] Hamilton and vicinity. Scale: 14 miles to 1 inch. (In pocket.)
[d] Hagersville and vicinity. Scale: 2·6 miles to 1 inch.
[e] Route map between Thedford and Arkona. Scale: 1·6 miles to 1 inch.
[f] Route map between Guelph and Galt. Scale: 2·4 miles to 1 inch.
[g] Route map between Hamilton and Grimsby. Scale: 14 miles to 1 inch.

Contains:

Excursion B4. Silurian section at the forks of Credit river, Ontario. (Annotated guide; Cataract and Credit Forks sections; and a bibliography.) See map [a]. By W. A. Parks.

Excursion B7. Ordovician section on Credit river, near Streetsville, Ontario. (Annotated guide; Richmond and Lorraine formations; and a bibliography.) See map [a]. By W. A. Parks.


Introduction. (Physical features and geology.) Annotated guide (Toronto to Port Colborne). Geology of the region around Port Colborne. See maps [b], [c], and [d]. By C. R. Stauffer.

Annotated guide (Port Colborne to Manitoulin island). The geology of the clay cliffs, cape Smyth, Manitoulin island. By A. F. Foerste.

Lowville—Pre-Cambrian contact on Granite island. The Mohawkian (middle Ordovician) strata northeast of Manitoulin island. By A. F. Foerste.

The Silurian of the eastern part of Manitoulin island. See map [e]. By M. Y. Williams.

The Killarney passage. See map [e]. The Pre-Cambrian of Parry island and vicinity. See map [f]. By T. L. Walker.

Palaeozoic section at Collingwood. See map [g].

Bibliography.

Accompanying Maps:

Route map between Toronto and Manitoulin island. Scale: 38 miles to 1 inch. (In pocket.)

[a] Route map between Streetsville and Credit Forks. Scale: 2·6 miles to 1 inch.

[b] Port Colborne. Scale: 2.4 miles to 1 inch.

[c] Sketch map of Pelee island [Lake Erie].

[d] Map of Anderdon and Malden townships [vicinity of Amherstburg, Ont.].

[e] Eastern portion of Manitoulin island [Lake Huron]. Scale: 5½ miles to 1 inch. (In pocket.)

[f] Parry Sound and vicinity. Scale: 2 miles to 1 inch. (In pocket.)

[g] Route map between Collingwood and Craigleith. Scale: 2½ miles to 1 inch.


Contains:

Excursion B2. Toronto and vicinity. See map [a]. By A. P. Coleman.

Introduction and geological summary.

The Lorraine shale.

Pleistocene beds.


The Laurentian. Annotated guide (Toronto to Gravenhurst).

Excursion B8. Clay deposits and works near Toronto. See sections [e] and [f]. By M. B. Baker.

Introduction.

Don Valley brick works.

Swansea sewer pipe works.

Excursion B10. The Madoc area. See maps [b] and [c]. By C. N

Knight.

Introduction.

General geology.

Economic minerals.

Bibliography.

Annotated guide (Toronto to Ivanhoe, and Ivanhoe to Madoc).

Accompanying Maps and Sections:

[a] Map of Toronto and vicinity. Scale: 1 mile to 1 inch. (In pocket.)

[b] Map of the Madoc area, townships of Madoc and Huntingdon, Hastings county, province of Ontario. Scale: 1,000 feet to 1 inch. (In pocket.)

[c] Map of the Queensboro pyrite area, townships of Madoc and Elzevir, Hastings county, province of Ontario. Scale: 800 feet to 1 inch. (In pocket.)

Notes: The above three maps (a, b, and c) are not included in the French special edition issued by the Geological Survey.


Route map between Toronto and Muskoka. Scale: about 38-3 miles to 1 inch.

[e] Section at Don Valley brick yard [Toronto]. Scale: 80 feet to 1 inch.

[f] Section at bend of Don river [Toronto]. Scale: 200 feet to 1 inch.


NOTE: Issued only in French by the Geological Survey. The English edition was issued by the Ontario Bureau of Mines, Toronto.

Contains:


The Sudbury area. See maps [b] to [g]. By A. P. Coleman.

The Moose Mountain iron range.

The Cobalt area. See maps [a], [f], [h]-[j], and sections [l]-[n]. By W. G. Miller.

The Porcupine area. See maps [b] and [f]. By A. G. Burrows.


Accompanying Maps and Sections:

[a] Map of Cobalt area, district of Nipissing, showing veins and location of sections. Scale: 800 feet to 1 inch. (In pocket.)

[b] Map of the Sudbury-Cobalt-Porcupine region, province of Ontario. Scale: 8 miles to 1 inch. (In pocket.)

Notes: The above two maps (a and b) are not included in the French special edition issued by the Geological Survey.

[c] Geological map of Creighton mine [Sudbury, showing contact of norite and Laurentian]. Scale: about 363 feet to 1 inch. (In pocket.)

Notes: First published as map No. 174, accompanying report No. 170 of the Mines Branch, Department of Mines, Ottawa.

[d] Geological map of vicinity of Stobie and No. 3 mines [Sudbury]. Scale: 1,400 feet to 1 inch. (In pocket.)

Notes: First published in 1913 as map No. 178, accompanying report No. 170 of the Mines Branch, Department of Mines, Ottawa.

[e] Geological map of Copper Cliff offset [Sudbury]. Scale: 2,850 feet to 1 inch. (In pocket.)
NOTE: First published as map No. 176, accompanying report No. 170 of the Mines Branch, Department of Mines, Ottawa.

[f] The Sudbury-Cobalt-Porcupine region. Scale: 50 miles to 1 inch.

[g] Sudbury nickel area. Scale: 51 miles to 1 inch.

[h] Part of a map published in 1744, showing that the argentiferous galena deposit on the east side of Lake Timiskaming (Anse à la mine), about nine miles from Cobalt, was known at that date.

[i] N.W.-S.E. and N.E.-S.W. lines of regional disturbance in the district of Timiskaming and the cobalt-silver areas. Scale: 17½ miles to 1 inch.

[j] Geological map of area a few miles north of Cobalt. Scale: about 1½ miles to 1 inch.

Route map between North Bay and Englehart. Scale: 21 miles to 1 inch.

[k] Geological map of area near Timagami railway station. Scale: 1 mile to 1 inch.

Route map between Englehart and Cochrane. Scale: 20 miles to 1 inch.

[l] Geological section G-H, Cobalt. (See map a.) Scale: 800 feet to 1 inch.

[m] Geological section Y-Z, Cobalt. (See map a.) Scale: 800 feet to 1 inch.

[n] Generalized vertical section through the productive part of the Cobalt area.


Contains:
Annotated guide. Sudbury to Cartier. By A. P. Coleman.

NOTE: Between Toronto and Sudbury the route of the excursion follows that of excursion A3, described in Guide Book No. 6.

The nepheline and alkali syenites of the Port Coldwell area. (With a bibliography.) By A. E. Barlow.

Coldwell to Port Arthur. By A. L. Parsons.

Annotated guide.
The Pre-Cambrian geology of Loon Lake district. See map [a].

(With a bibliography.)
The Pre-Cambrian geology of Port Arthur district. (With a bibliography.)

Port Arthur to Winnipeg via Canadian Northern railway. By W. L. Uglow.

Introduction.

Annotated guide.
Geology of the vicinity of Iron Spur.

Geology of the vicinity of Steeprock Lake. See map [b].

Geology of the vicinity of Mine Centre. See map [c].
The Couchiching series on Rainy Lake. See map [d].

Bibliography.

Ordovician and Silurian of Stony Mountain and Stonewall, Manitoba. (With a bibliography.) See map [e]. By A. MacLean.

Winnipeg to Bankhead. See maps 1221 and [f]. By D. B. Dowling.

Introduction (The Great Plains and Rocky mountains).

Historical geology.

Summary description of formations.

Annotated guide.

Accompanying Maps:

Itinéraires des excursions C1, C2, C3, C4, C8, et C9. Scale: 250 miles to 1 inch.

Itinéraires des excursions C1, C2, C3, C4 (tronçons de l'ouest), et C7.

Scale: about 77.5 miles to 1 inch.

NOTE: The above two maps are not included in the English special edition issued by the Geological Survey.

[a] Loon Lake [Thunder Bay district, Ontario]. Scale: 1·33 miles to 1 inch.

[b] Steeprock Lake, Rainy River district [Ontario]. Scale: 1½ miles to 1 inch.


[d] Bear's passage, Rainy lake [Ontario]. Scale: 1½ mile to 1 inch. (In pocket.)

[e] Stony Mountain [Manitoba]. Scale: about 1,330 feet to 1 inch. (In pocket.)
1221. Geological map of Alberta, Saskatchewan, and Manitoba. (Map 55A. 1913. Scale: 35 miles to 1 inch. (In pocket.)

Note: The above map is not included in the English or French special editions issued by the Geological Survey. It also accompanies Memoirs 29 (No. 1220) and 53 (No. 1363).

[f] Route map between Calgary and Banff [Alberta]. Scale: 15 miles to 1 inch.

538. (E) Guide Book No. 8. Transcontinental excursion Cl. Toronto to Victoria and return via Canadian Pacific and Canadian Northern railways. Part II. Published in English 1913, and French 1916 (dated 1914), Ottawa. Small 8vo. pp., English 103-274, French 109-292 (continuous with Nos. 537 and 525) and errata slip. With 2 sheets of coloured sections (not listed in contents), 13 maps, and 41 other illustrations. Contains:

Introduction to the geology of the Cordillera. (Topography, glaciation, stratigraphy, igneous bodies, etc., with a bibliography.) See map [a] and sections [b], [c]. By R. A. Daly. See also Memoir 38 (No. 4035).

Rocky mountains (Bankhead to Golden). With annotated guide and a bibliography. See maps [d] to [f]. By J. A. Allan.

Annotated guide, Golden to Savona. See maps [g] to [m]. By R. A. Daly. See also Memoir 68 (No. 1463).

Western part of the belt of interior plateaus (Savona to Lytton). With annotated guide. See map [m]. By C. W. Drysdale.

Coast range (Lytton to Vancouver). See maps [n] and [o]. By C. Camsell.

Introduction.

Columnar sections. By N. L. Bowen.

The canyon of Fraser river. (With a bibliography.)

Fraser delta. (With a bibliography.)

Annotated guide:

Accompanying Maps and Sections:

[a] Sketch map showing major subdivisions in the southern part of the Canadian Cordillera. Scale: about 177 miles to 1 inch. See also map No. 1458.

[b] Structure section across the Rocky mountains near the main line of the Canadian Pacific railway between the Cascade trough and the Columbia valley. Horizontal and vertical scale: 2 miles to 1 inch. (In pocket.)

[c] Structure section of the Selkirk and Purcell mountains from Moberly peak to Revelstoke. Horizontal and vertical scale: 2 miles to 1 inch. (In pocket.) See also section No. 1457.

[d] Banff [Alberta]. Scale: 1·5 miles to 1 inch.

[e] Laggan-Field [Alberta-British Columbia]. Scale: 1·9 miles to 1 inch. (In pocket.)

[f] Route map between Banff [Alberta] and Golden [British Columbia]. Scale: 8 miles to 1 inch.

[g] Route map between Golden and Revelstoke. Scale: 10 miles to 1 inch. See also map No. 1450.

[h] Prairie hills and Dogtooth mountains. Scale: 2·6 miles to 1 inch. See also map No. 1447.

[i] Glacier. Scale: 1·9 miles to 1 inch. (In pocket.) See also map No. 1449.

[j] Albert canyon. Scale: 1·4 miles to 1 inch. See also map No. 1448.

[k] Map showing approximate distribution of the Shuswap Terrane rocks in south central British Columbia. Scale: about 177 miles to 1 inch.

[l] Route map between Revelstoke and Ducks. Scale: 10 miles to 1 inch.

[m] Route map between Ducks and Lytton. Scale: 10 miles to 1 inch.

[n] Route map between Lytton and Agassiz. Scale: 10 miles to 1 inch.

[o] Route map between Agassiz and Vancouver. Scale: 10 miles to 1 inch.


Vancouver island. See maps [a] and [b]. By C. H. Clapp.

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Introduction.
General geology and physiography.
Annotated guide. Vancouver to Victoria. (Excursions C1 and C2, section I.)
Geology of the region around Victoria.
Annotated guide. Vancouver to Nanaimo. (Excursion C2, section II.)
Geology of the region around Nanaimo.
Annotated guide. Nanaimo to Victoria. (Excursion C2, section II.)

References.
Fire clay deposits at Clayburn, British Columbia. By C. Camsell.
Introduction. (Geological history of Fraser delta.)
Annotated guide. Vancouver to Clayburn.
Geology of the region about Clayburn. (With a bibliography.)
Victoria, British Columbia, to Calgary, Alberta. (See pp. 103 to 274 of Guide Book No. 8, part II (No. 538).)
Calgary to Winnipeg, via Canadian Northern railway. By A. MacLean.
Introduction.
Annotated guide. See map [d].
The Edmonton formation on Red Deer river near Munson, Alberta.
See map [c].
The Devonian of Snake island and south shore of lake Winnipegosis. See map [e].
The Devonian of Dawson bay, lake Winnipegosis. See map [f].
Bibliography.
Winnipeg to Port Arthur. By A. L. Parsons.
Annotated guide.
Pre-Cambrian geology in the northern part of Lake of the Woods.
(With a bibliography.) See map [g].
Port Arthur to Toronto. (See pp. 13-36, Guide Book No. 8, part I (No. 537), and in Guide Book No. 6 (No. 523).)

Accompanying Maps:
[a] Victoria and vicinity [British Columbia]. Scale: 1 mile to 1 inch. (In pocket.)
[b] Route map between Victoria and Nanaimo [British Columbia]. Scale: 7½ miles to 1 inch. (In pocket.)
[c] Red Deer valley in the vicinity of Munson and Drumheller [Alberta]. Scale: 2 miles to 1 inch.
[d] Old beaches, Ethelbert to Pine river [Manitoba]. Scale: 3 miles to 1 inch.
[e] Snake island and south shore of lake Winnipegosis [Manitoba]. Scale: 1½ miles to 1 inch.
[f] Dawson bay [lake Winnipegosis, Manitoba]. Scale: 8½ miles to 1 inch.
[g] Route map, Lake of the Woods. Scale: 2·4 miles to 1 inch. (In pocket.)

Contains:
Dunmore to Burmis. (With annotated guide.) See maps [a] and [b].
By D. B. Dowling.
The Cordillera. See map [c]. By S. J. Schofield.
Burmis, Alberta, to Elko, British Columbia. By W. W. Leach.
Annotated guide. See maps [d] and [e].
Lillooet [Alberta].
Geology of the region about Corbin [British Columbia].
Geology in the vicinity of Coal creek [British Columbia]. See map [f].
Bibliography.
Elko to Kootenay lake, British Columbia. (With annotated guide, and references.) See map [g]. By S. J. Schofield.
West Kootenay and Boundary districts [British Columbia]. By O. E. LeRoy.

Geology of the region between Procter and Midway. See map [h].

Annotated guide. (Procter to Midway.)

Phoenix. See maps [i] and [j].

Annotated guide. (Phoenix to Midway.)

Annotated guide. (Castlegar to Rossland.)

Rossland.

Geology of the region between Castlegar and Revelstoke.

The Arrow lakes. (With annotated guide, Nakusp to Revelstoke.) See map [k].

Slocan silver-lead district. (With annotated guides, South Slocan to New Denver and Roseberry to Nakusp.) See map [k].

References.

The Similkameen district, Midway to Spence's Bridge [British Columbia]. By C. Camsell.

Introduction.

Annotated guide. See maps [l] and [p].

Geology of the region about Hedley. (With references.) See sections [m] and [n].

Geology of the region around Princeton. (With references.) See maps [l] and [p].

Geology of the region around Tulameen. (With references.) See section [o] and map [p].

Geology of the region about Merritt. (With references.) See map [p].

Revelstoke to Victoria. (Route coincides with that of excursion C1. See Guide Book No. 8, part II.)

Victoria, British Columbia, to Calgary, Alberta. (The east-bound portion of excursion C2 follows, as far as Calgary, the same route as westward journey of excursion C1. See Guide Book No. 8, part II.)


Calgary to Tofield. (Annotated guide.)

Tofield, Alberta, to Tête Jaune, British Columbia. See maps [q] and [r].

Annotated guide. Tofield to Brule lake.

Annotated guide. Rocky mountains.

Annotated guide. Pocahontas to Tête Jaune.

Tofield to Winnipeg.

Introduction.

Annotated guide.

Winnipeg to Cochrane via National Transcontinental railway.


Bibliography.

Accompanying Maps and Sections:

[a] Route map between Medicine Hat and Lethbridge [Alberta]. Scale: 15 miles to 1 inch.
[b] Location of the mines in the Lethbridge district, Alberta. Scale: 2·2 miles to 1 inch.
[c] Map to illustrate the nomenclature of a part of the North American Cordillera. Scale: 94·6 miles to 1 inch.
[d] Section in Bellevue mine [Alberta], showing folding of coal seams. Scale: 330 feet to 1 inch.
[e] Map and section of Crownest mountain, showing overthrust of Paleozoic on Cretaceous rocks. Scale: 14 miles to 1 inch.
[f] Route map between Lethbridge [Alberta], and Elko [British Columbia]. Scale: 15 miles to 1 inch.
[g] Route map between Elko and Procter [British Columbia]. Scale: 10 miles to 1 inch.
[h] Route map between Procter and Midway [British Columbia]. Scale: 10 miles to 1 inch.
[i] Phoenix. Structural sections illustrating the relations of the mineralized zone and the country rocks. Scale: 600 feet to 1 inch.
[k] Route map between Arrow and Slocan lakes [British Columbia]. Scale: 10 miles to 1 inch. (In pocket.)
[l] Route map between Midway and Princeton [British Columbia]. Scale: 10 miles to 1 inch.
[m] Natural section of Nickel Plate mountain [British Columbia], showing the roof contact of the granodiorite batholith. Scale: 666 feet to 1 inch.
[n] Section through the Nickel Plate mine, showing the relation of the ore-bodies to the gabbro intrusive. Scale: 100 feet to 1 inch.
[o] Section through Olivine mountain [Tulameen district, B.C.]. Scale: 5,000 feet to 1 inch.
[p] Route map between Princeton and Spence's Bridge [British Columbia]. Scale: 10 miles to 1 inch.
[q] Route map between Edmonton and Edson [Alberta]. Scale: 15 miles to 1 inch.
[r] Route map between Edson [Alberta], and Tête Jaune [British Columbia]. Scale: 15 miles to 1 inch.
[s] Diagram showing geological relationships in the region between lake Nipigon and Winnipeg, with a diagrammatic section.
[t] Route map between Malachi [Ontario], and Winnipeg [Manitoba]. Scale: 16 miles to 1 inch.
[u] Route map between Richan and Malachi [Ontario]. Scale: 16 miles to 1 inch.
[v] Route map between Bucke and Richan [Ontario]. Scale: 16 miles to 1 inch.
[w] Route map between lake Nipigon and Bucke [Ontario]. Scale: 16 miles to 1 inch.
[x] Route map between Grant and lake Nipigon [Ontario]. Scale: 16 miles to 1 inch.
[y] Route map between Kabinakagami river and Grant [Ontario]. Scale: 16 miles to 1 inch.
[z] Route map between Alexandra and Kabinakagami river [Ontario]. Scale: 16 miles to 1 inch.
[zz] Route map between lake Abitibi and Alexandra [Ontario]. Scale: 16 miles to 1 inch.

542. (E) Guide Book No. 10. Excursions in northern British Columbia and Yukon Territory, and along the north Pacific coast. (Excursions C8 and C9.)
529. (F) Published in English 1913, and French 1916 (dated 1914), Ottawa. Small 8vo. pp., English 179 and errata slip, French 193. With 18 maps and sections (including map No. 917), and 44 other illustrations. Contains:
General physical features of the Skeena River district. Natural resources. Geology. See maps [d] and [a].
Bibliography.
Annotated guide. (Prince Rupert to Telkwa.)
Excursion C8. Yukon and Malaspina.
General introduction. By D. D. Cairnes.
Prince Rupert-Skagway section. (Physiography, geology, and annotated guide.) See maps [e] and [f]. By F. E. Wright.
The Skagway-Whitehorse-Dawson section. See map No. 917. By D. D. Cairnes.
General topography and geology. See map [g].
Climate, fauna, and flora.
Annotated guide. (Skagway to Dawson.)
Whitehorse copper belt.
Tantalus coal mine.
Klondike gold fields. See maps No. 917 and [b].
Juneau-Yakutat section. By L. Martin.
Introduction.
Annotated guide. (Juneau to Yakutat village.)
The geology and physiography of Glacier bay. See maps [i] and [n].
Geology and physiography of Yakutat bay. See maps [j] to [m], [o], and [p].
Granby bay. Observatory inlet. (Introduction, geology, mineralization, extent and origin of the ore-bodies and a bibliography.) By R. G. McConnell.

Accompanying Maps and Sections:
[a] General section along Bulkley river, from Hazelton to Telkwa (British Columbia). Scale: 2.65 miles to 1 inch.
[b] Route map between Vancouver and Calvert island (British Columbia). Scale: 26 miles to 1 inch. (In pocket.)
[c] Route map between Calvert island and Prince Rupert (British Columbia). Scale: 26 miles to 1 inch. (In pocket.)
[d] Route map between Prince Rupert and Telkwa (British Columbia). Scale: 12 miles to 1 inch.
[e] Route map between Prince Rupert (British Columbia), and Frederick sound, (Alaska). Scale: 24 miles to 1 inch. (In pocket.)
[f] Route map between Frederick sound and Skagway (Alaska). Scale: 24 miles to 1 inch. (In pocket.)

Note: The above map is not included in the English or French special editions issued by the Geological Survey.

917. Map of the Yukon Territory. 1906. Scale: 32 miles to 1 inch. (In pocket.)

Note: The above map is not included in the English or French special editions issued by the Geological Survey. It also accompanies Summary Report for 1905 (No. 947).

[g] Physiographic provinces of Yukon. Scale: 196 miles to 1 inch.
[h] Map of main line ditch from Twelve-mile river to Bonanza creek, Yukon Territory. Scale: about 3·5 miles to 1 inch.

Note: The above two maps (i) and (j) are not included in the English or French special editions issued by the Geological Survey.
[k] Submarine topography of Russell fiord (Alaska) (from soundings in 1910, by The National Geographic Society). Scale: 32 miles to 1 inch. (In pocket.)

Note: The above map is not included in the English or French special editions issued by the Geological Survey.
[m] Hubbard, Variegated, and Turner glaciers (Alaska). (Reproduced by permission of the National Geographic Society). Scale: 1 mile to 1 inch. (In pocket.)
[n] Map of Muir glacier (Alaska) in 1899 (Gilbert and Gannett); in 1903 (Andrews); and in 1907 (Morse and Klotz). Scale: 0·75 miles to 1 inch. (After U.S. Geol. Survey).
[o] Nunatak glacier (Alaska). (Reproduced by the permission of The National Geographic Society). Scale: 0·75 miles to 1 inch.
[p] Hidden glacier (Alaska). (Reproduced by the permission of The National Geographic Society). Scale: 0·75 miles to 1 inch.
[q] Diagram showing mineral deposits and workings on Alpha and adjacent mining claims, Hidden creek, Observatory inlet, British Columbia; geology by R. G. McConnell, 1911. Scale: 400 feet to 1 inch. (In pocket.)

Note: The above diagram is not included in the English or French special editions issued by the Geological Survey. It also accompanies Memoir 32 (No. 1235).
PART VI.

PALEONTOLOGY.
PART VI.

PALÆONTOLOGY.

Includes only special publications and those which have been reprinted as separates. (See also Appendix, especially Whiteaves, J. F., and Lambe, L. M.)


Supplement. Descriptions of species from the Utica slate, introduced for comparison and illustration.

†425. Figures and descriptions of Canadian organic remains. Decade III. Montreal, 1858. 8vo. pp. 102. With 87 illustrations. Contains:


Note: See also appendix to No. 440.

†426. Figures and descriptions of Canadian organic remains. Decade IV. Montreal, 1869. 8vo. pp. 72. With 81 illustrations. Contains:


Contains:
1. Fossils of the Calciferous sandrock, including those of a deposit of white limestone at Mingan, supposed to belong to the formation.
2. Descriptions of some new species of trilobites from the Lower and Middle Silurian rocks of Canada.
3. Fossils of the Chazy limestone, with descriptions of new species.
   Note: Cover-title reads: "Lower Silurian fossils. 1. Fossils of the Calciferous sandrock. 2. Descriptions of new species of trilobites. 3. Fossils of the Chazy limestone." The pages of the Canadian Naturalist and Geologist containing the articles are bound together without renumbering, and portions of other articles appear on some.
   Billing's report for 1858 and 1859, referred to above, was not published. Illustrations were reprinted in "Geology of Canada" (No. 50).

Contains:
1. On some new or little-known species of Lower Silurian fossils from the Potsdam group (Primordial zone). pp. 1-18.


Contains:
3. On some new species of fossils from the Quebec group. pp. 57-96.

Contains:
4. New species of fossils from different parts of the Lower, Middle and Upper Silurian rocks of Canada (Continuation). pp. 169-185.
5. New species of fossils from the limestones of the Quebec group from Point Lévis and other localities in Canada East. pp. 185-206.
6. New species of fossils from the Quebec group in the northern part of Newfoundland. pp. 207-300.
7. New species of fossils from the Quebec group in Eastern Canada, with some others previously described, and some from other formations. pp. 301-338.
8. New species of fossils from the Calciferous formation, with remarks on some others previously described. pp. 339-344. (Part of article only.)

   Note: Nos. 464 to 467 were reprinted in this volume, with various alterations (specified in the appendix), in Nos. 464 and 466. Remainder of the volume, pp. 345-426, is new matter and bears date October, 1865.
Contains:
1. On some new or little-known species of Lower Silurian fossils from the Potsdam group (Primordial zone). pp. 1-18.
2. On some new species of fossils from the Calciferous, Chazy, Black River, and Trenton formations. pp. 18-56.
3. On some new species of fossils from the Quebec group. pp. 57-96.
4. New species of fossils from different parts of the Lower, Middle, and Upper Silurian rocks of Canada. pp. 96-185.
5. New species of fossils from the limestones of the Quebec group from Point Lévis and other localities in Canada East. pp. 185-206.
6. New species of fossils from the Quebec group in the northern part of Newfoundland. pp. 207-300. See also No. 9.
7. New species of fossils from the Quebec group in Eastern Canada, with some others previously described, and some from other formations. pp. 301-338.
8. New species of fossils from the Calciferous formation, with remarks on some others previously described. pp. 339-361.
9. New species of fossils from the Quebec group in the northern part of Newfoundland, with a few from the Potsdam group. (Continued from p. 300). pp. 361-377. See also No. 6.
   Note: Pages 205-224 in Canadian Naturalist and Geologist are wrongly numbered "305-324."
12. List of the organic remains of the Lévis formation.
   Appendix. (Notes on alterations made in reprinting Nos. 464 and 466. Also additional figures of species previously described.)

Contains:
1. On some of the fossils of the Gaspé series of rocks. pp. 1-64.
2. On some new species of fossils from the Primordial rocks of Newfoundland. pp. 64-78.
4. Notes on the structure of the Crinoides, Cystidea, and Blastoides, pp. 90-128. (Reprinted from American Journal of Science without alteration, but corrections and additions added at the end.)

Contains:
1. On some new, imperfectly characterized, or previously unrecorded species of fossils from the Guelph formation of Ontario.

Contains:
2. Revision of the fauna of the Guelph formation of Ontario, with descriptions of a few new species.
3. Systematic list, with references, of the fossils of the Hudson River or Cincinnati formation at Stony Mountain, Manitoba.

Contains:
4. The fossils of the Galena-Trenton and Black River formations of lake Winnipeg and its vicinity.

Contains:
5. The fossils of the Silurian (Upper Silurian) rocks of Keeewatin, Man-
A. From Keewatin.
   A1. From the Attawapiskat river. Collected by Dr. R. Bell in 1886.
   A2. From the Ekwan river. Collected by Mr. D. B. Dowling in 1901.
   A3. From Sutton Mill lakes. From the cliff of limestone on the small island in the northern lake. Collected by Mr. D. B. Dowling in 1901.
   A4. From the Winisk river. Collected by Mr. W. McInnes in 1903.
   A5. From "Limestone rapid," Fawn river, or branch of the Severn. Collected by Mr. A. P. Low in 1886.

B. From Manitoba.
   B3. From the northeast shore of lake Winnipegosis. Collected by Mr. J. B. Tyrrell in 1889.

C. From the lower Saskatchewan. Collected by Mr. J. B. Tyrrell in 1889 and 1890, and Mr. D. B. Dowling in 1891.

6. The Canadian species of *Plectoceras* and *Barrandeoceras*. pp. 299-312.

   A. From the Cambrian rocks of British Columbia.
   B. From the Cambro-Silurian rocks of Quebec and Ontario.
      B1. From the Lévis formation of Quebec.
      B2. From the Trenton limestone of Quebec and Ontario.
   C. From the Devonian rocks of Ontario.


[Reprint of articles III, VIII, and XI, published in the Canadian Naturalist and Geologist, volume VIII, 1863.] Cover-title reads:
2. Description of a new trilobite from the Quebec group. By T. Devine.
3. On the remains of the fossil elephant found in Canada. By E. Billings.

Note: Caption-titles of No. 1 read: "On the parallelism of the Quebec group with the Llandeilo of England and Australia, and with the Chazy and Calciferous formations." "Description of a new species of *Harpes* from the Trenton limestone, Ottawa." "On the internal spiral coils of the genus *Cyrtina*!"

Note: Title is misleading, as fossils from other localities are included.
Contains:
Catalogue of the Lower Silurian fossils of Anticosti, with descriptions of some of the species. pp. 6-28.
Catalogue of the fossils of the Anticosti group with descriptions of some of the species. pp. 29-72.
Additional species from the Hudson River group. pp. 72-75.
General observations on the Palaeozoic fossils of Anticosti. pp. 75-82.
New species of fossils from the Clinton and Niagara formations. (From Grimsby, Rockwood, Cabot head, and near Owen Sound on Georgian bay, and Manitoulin islands, lake Huron, Ontario.) pp. 82-93.

The fossil plants of the Devonian and Upper Silurian formations of Canada.
Contains:
I. Historical notice of the pre-Carboniferous flora of Canada, with its geological relations. pp. 5-10.
II. Revision of the pre-Carboniferous flora, with descriptions of new species. pp. 11-67.
III. General remarks and conclusions. pp. 67-86.

Contains:
I. Introduction. p. 95.
II. Erian and Upper Silurian plants from the Restigouche river and the baie de Chaleur. pp. 96-113.
IV. The nature and affinities of *Ptilophyton.* pp. 119-123.
VI. The genus *Cladoxylon* in America. p. 126.
VIII. On the bearing of Canadian Palæozoic botany on questions as to the origin and extinction of species. pp. 133-140.

Contains:
I. Introduction. (Sketch of the geology of the Lower Carboniferous coal measures and Millstone Grit, with the equivalent formations abroad.) pp. 5-14.
III. Plants of the Millstone Grit. (A list of species.) pp. 29-34.
IV. Plants of the Middle and Upper Coal-formation. pp. 35-38.
V. Note on the characters of Sigillaroid and Lepidodendroid trunks. pp. 39-42.
VI. Appendix. On some new forms of *Sigillaria* and *Lepidodendron.* pp. 43-45.

Note: Author's name misprinted "G. F. Whiteaves" in cover-title.


Accompanying Map:
435. Map showing the localities of fossils collected by James Richardson in 1872, from the Queen Charlotte islands. (Comprises part of Graham island.) 1876. Scale: about 1½ mile to 1 inch.


437. Mesozoic fossils, volume I, part III. On the fossils of the coal-bearing deposits of the Queen Charlotte islands collected by G. M. Dawson in 1878. Montreal, April, 1884. 8vo. pp. iii, 191-262 (paging continuous with No. 436). With 51 illustrations. (Plate No. 33, referred to in text, was published with part IV.) By J. F. Whiteaves.
Mesozoic fossils, volume I, part IV. On some additional or imperfectly understood fossils from the Cretaceous rocks of the Queen Charlotte islands, with a revised list of the species from these rocks. Ottawa, November, 1900. 8vo. pp. iii, 263-307 (paging continuous with No. 437). With 29 illustrations. By J. F. Whiteaves.


Note: Intended, as stated by the author, as a palaeontological appendix to part C, Annual Report, 1882-84.

Contains:
1. Report on the Invertebrata of the Laramie and Cretaceous rocks of the vicinity of the Bow and Belly rivers and adjacent localities in the North-West Territory.
   A. From the western Laramie.
      (1) From the Porcupine Hill series.
      (2) From the Willow Creek series.
      (3) From the St. Mary River series and lower portion of the Laramie generally.
   B. From the Laramie of the Souris River district.
   C. From the "Fox Hills" and "Fort Pierre" groups of the Upper Cretaceous.
   D. From the Belly River series.
      (1) From the pale or upper portion of the series.
      (2) From the lower or yellowish and banded portion of the series.
   E. From the "lower dark shales" of Dr. Dawson's report.
   F. Exact geological horizon uncertain.


Contains:
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. On some fossils from the Triassic rocks of British Columbia.
4. On some Cretaceous fossils from British Columbia, the North West Territory, and Manitoba.
   A. From the earlier Cretaceous of British Columbia.
   B. From the North West Territory.
      (1) From Rink rapids, on the Lewes river, a tributary of the Yukon, in latitude 62° 20', and longitude 136° 30'; collected by Dr. G. M. Dawson in 1887.
      Note: Latitude erroneously given in title as: "60° 20'."
      (2) From the Rocky mountains three miles north of the east end of Devil's lake; collected by R. G. McConnell in 1887.
      (3) From the Peace river, a few miles below Fort Vermilion; collected by Mr. W. Ogilvie, D.L.S., in 1885.
      (4) From the Fort Pierre group of the later Cretaceous rocks of the Saskatchewan and its tributaries; collected by J. B. Tyrrell in 1885 and 1886.
   C. From Manitoba. From the Niobrara-Benton formation of the later Cretaceous in the Duck and Riding Mountain district.
      Note: The author states, in his preface and his summary reports for 1887 and 1888, that advance copies of portions of the letter-press were issued as follows: pp. 91-122 in September, 1887, pp. 123-150 in December, 1888, pp. 151-184 in June, 1889, pp. 185-196 in August, 1889. (Copies have not been seen.) Pages 174 to 184 are reprinted, with some additions, from appendix I to part E, Annual Report, 1886.


Contains:
5. The fossils of the Devonian rocks of the Mackenzie River basin.


Contains:
6. The fossils of the Devonian rocks of the islands, shores, or immediate vicinity of lakes Manitoba and Winnipegosis.
7. On some additional or imperfectly understood fossils from the Hamilton formation of Ontario, with a revised list of the species therefrom. Note: Supplementary to article No. 2 in part II.
8. Appendix (to complete volume). Revision of the nomenclature of some of the species described or enumerated in previous parts of this volume, and additional notes on others, necessitated by the progress of palaeontological research.

2. The Coleoptera hitherto found fossil in Canada. [1892?] pp. 30. With 16 illustrations. (pp. 27-56.)
3. Notes upon myriapods and arachnids found in sigillarian stumps in the Nova Scotia coal field. [189-?] pp. 10. With 16 illustrations. (pp. 57-66.)
Note: The above three papers (Nos. 479, 480, and 481) were each issued in advance of the complete publication No. 575. Edition limited.

4. Additions to the coleopterous fauna of the interglacial clays of the Toronto district. With an appendix by A. D. Hopkins on the scolytid borings from the same deposits.

Note: Published as Memoir No. 12.
Contains:
5. Insects from the Tertiary lake deposits of the southern interior of British Columbia, collected by L. M. Lambe in 1906.

Note: The publication of the contemplated second part, on the Vertebrata of the Laramie formation of the North West Territory, by E. D. Cope, was prevented by his death in 1897.

Contains:
2. New genera and species from the Belly River series (Mid-Cretaceous)

By L. M. Lambe.


Contributions to Canadian paleontology, volume III (quarto), part IV.


Note: A reprint of appendix I to part C. Pages renumbered.


Note: A reprint of appendix to part J.

490. Preliminary lists of the organic remains occurring in the various geological formations comprised in the map of the Ottawa district, including portions of the provinces of Quebec and Ontario, along the Ottawa river. Reprinted from Annual Report, Geological Survey of Canada (new series), vol. XII, pp. 51-77G. [Ottawa], December, 1901. By H. M. Ami.

Note: A reprint of appendix to part G.


797. Report on the Cambrian rocks of Cape Breton. 1903. With 128 illustrations. By G. F. Matthew.¹

Note: Deals mainly with the fossils found in the rocks. Some Cambrian fossils from New Brunswick are figured.


Note: A reprint of appendix I to part F, Annual Report, 1901. Pages renumbered.

495. Preliminary lists of fossil organic remains from the Potsdam, Beekmantown (Calciferous), Chazy, Black River, Trenton, Utica, and Pleistocene formations comprised within the Perth sheet (No. 119) in eastern

¹ For full entry see p. 101.
Notes on a small collection of organic remains from the Messenger Brook shales, Torbrook district, Nova Scotia.

II. Notes on the geological horizons indicated by the fossil plants recently determined by Prof. Penhallow from various localities in British Columbia and the North West Territories, Canada.

III. Description of a presumably new species of Bythotrephis (B. Yukonensis), from the Unihani River shales, Yukon Territory.

IV. Preliminary lists of fossil remains from various localities and horizons in New Brunswick.


Note: A reprint of appendices II, III, and IV to the Summary Report, 1904, and of the appendix to report by L. W. Bailey in the same. Caption-titles vary greatly from those on the title-page.

Report on Tertiary plants of British Columbia collected by Lawrence M. Lambe in 1906, together with a discussion of previously recorded Tertiary floras.


The Trenton crinoid, *Ottawacrinus* (W. R. Billings).

Note on *Merocrinus*.

Note on some new and old trilobites in the Victoria Memorial Museum.

Description of some new *Asaphidae*.

Two new species of *Tetradium*.

Revision of the species which have been referred to the genus *Bathyurus*. (Preliminary paper.)

A new genus of dicotyledonous plant from the Tertiary of Kettle river, British Columbia.

A new species of *Lepidostrobus*.


*Note*: A reprint of article VI. Form of cover uniform with Bulletin No. 2, except date, and the addition of "Geological Series, No. 17".


*Note*: A reprint of article VII. Form of cover uniform with Bulletin No. 2, except date, and the addition of "Geological Series, No. 18".


*Note*: The paleontology of the system forms a large part of the memoir.


*Note*: The paleontology of the formations forms a large part of the memoir.
PART VII.

ZOOLOGY.
PART VII.

ZOOLOGY.

Includes only special publications and those which have been printed as separates. Publications marked thus (*) are not included in the Finding Lists.


Note: A reprint of appendices IV and V.


Note: A reprint of appendix C to part B. Repaged.


Note: A reprint of appendix D to part B.


Note: Title-page erroneously numbered "772".


†822*. Catalogue of Canadian birds. Part II. Birds of prey, woodpeckers, flycatchers, crows, jays, and blackbirds, including the following orders: Raptores, Coccyges, Fici, Macrochires, and part of the Passeres. Ottawa, 1903, 8vo. pp. v, 219-413 (paging continuous with No. 692). By John Macoun.


Note: A reprint of appendix to report by W. McInnes (pp. 160-164). Repaged.


†1234*. (F) On the collection of zoological specimens for the Victoria Memorial Museum.

1519. (F) Zoology. Published in English 1912, and French 1915, Ottawa. 12mo. pp., English 56, French 62. (Includes chapter on land and fresh-water shells by B. Walker.) By P. A. Taverner.
Note: Cover-title reads: "Instructions regarding the collection of zoological specimens for the Victoria Memorial Museum. Zoology".


Note: A reprint of article XIII.


Note: A reprint of article XIV.


Note: A reprint of articles XV and XVI.


PART VIII.

BOTANY.
PART VIII.

BOTANY.

Includes only special publications and those which have been printed as separates. Publications marked thus (*) are not included in the Finding Lists.

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PART IX.
ANTHROPOLOGY.
PART IX.

ANTHROPOLOGY.

Includes only special publications and those which have been printed as separates. Publications marked thus (*) are not included in the Finding Lists.

Appendix I. Comparative table of some words in Tshimsian, Haida, Thlinkit, and Time.
Appendix II. Comparative table of a few of the words in the foregoing vocabularies. (Folding sheet.)
Appendix III. Comparisons of a few words in various Indian languages of North America.

455. Map showing the distribution of the Indian tribes of British Columbia. 1883. Scale: 25 miles to 1 inch.


Memoir No. 42. The double-curve motive in northeastern Algonkian art. English 1914, French 1915. With 70 illustrations. By F. G. Speck.


Memoir No. 46. Classification of Iroquoian radicals with subjective pronominal prefixes. 1915. By C. M. Barbeau.


Memoir No. 70. Family hunting territories and social life of various Algonkian bands of the Ottawa valley. 1915. With map No. 1479. By F. G. Speck.

Memoir No. 71. Myths and folk-lore of the Timiskaming Algonquin and Timagami Ojibwa. 1915. With map No. 1479 and 2 other illustrations. By F. G. Speck.


Memoir No. 80. Huron and Wyandot mythology, with an appendix containing earlier published records. 1915. By C. M. Barbeau.


Memoir No. 90. Time perspective in aboriginal American culture, a study in method. 1916. By E. Sapir.

Memoir No. 91. The Labrador Eskimo. With map No. 1560 and 185 other illustrations. By E. W. Hawkes.
PART X.

MISCELLANEOUS.

Special reports, etc., on geology, economic minerals, and explorations, not listed elsewhere, but included in the Finding Lists.
MISCELLANEOUS.

Special reports, etc., on geology, economic minerals, and explorations, not listed elsewhere (with two exceptions), but included in the Finding Lists.


1473. (F) Note: Also printed in appendix No. 1 (G) to vol. VIII, Journal of the Legislative Assembly of the Province of Canada, 1849, in English and French.

Appendix. Contents of lodes [Bruce mines]. (Tables of contents of eastern and western lodes, "resulting from the lengths, widths, and produces, ascertained by measurement and experiment." Also table of copper ores, etc., sampled at the Bruce mines in July, 1848.)

Accompanying Plans:

1393. A plan of the whole of the location of the Bruce mines, the property of the Montreal Mining Company, containing 6400 acres. [1849.] Scale: 40 chains to 1 inch.

1394. Plan of part of the Bruce mines, showing the mineral veins. [1849.] Scale: 2 chains to 1 inch.


Note: For preliminary reports see Nos. 582 or 583, 613 or 614, 632 or 644.

Accompanying Maps:


Part I. Structural geology.

Part II. Palaeontology.

Note: Several species of Cambrian fossils from New Brunswick are also figured. For preliminary reports see Nos. 690 or 691, 716 or 717 (summary by Whitesaves), 761 or 762.


Note: See notes under Nos. 5, 7, 8, 9, 10, 11, and 50.

1 On account of Part II this report is also entered on p. 173.

670788—13

**Accompanying Map:**

Geological map of a portion of Gaspe. [1865.] Scale: 4 miles to 1 inch.


Appendix No. I. [Table of gold production for the year ending September 30, 1867.]

Appendix No. II. [Extracts from the mining law of Nova Scotia, passed May 10, 1864.]


Report on the Dominion Government Expedition to Hudson bay and the Arctic islands on board the D.G.S. Neptune, 1903-1904. Published in English 1906, and French 1913 (dated 1912), Ottawa. 8vo. pp., English xvii, 355, French xv, 345. With map No. 906, 66 illustrations, and appendices Nos. I to VI. By A. P. Low.

Note: Cover-title reads: "The cruise of the Neptune, 1903-04". For preliminary report see No. 899 or 900 (director's report). The report was published by the Department of Marine and Fisheries and copies furnished to the Geological Survey for distribution.


Appendix II. List of birds and eggs identified or collected on the voyage of the Neptune to Hudson bay and northward. By A. P. Low, A. Halkett, John Macoun, and C. W. G. Eifrig.

Appendix III. List of plants collected in 1904 during the cruise of the Neptune by L. E. Borden. By J. M. Macoun.

Appendix IV.


Note: The separate (No. 954) contains only the above portion of the appendix.

Preliminary list of organic remains from Beechy island, Lancaster sound, in the district of Franklin. (Determined by H. M. Ami.)

Preliminary list of the species of organic remains from blocks of limestone from Southampton island. (Determined by H. M. Ami.)

Preliminary list of organic remains from loose blocks of limestone, cape Chidley. (Determined by H. M. Ami.)

Appendix V. List of the principal works and papers consulted in the preparation of the report on the Dominion Expedition to Hudson bay and the Arctic islands. [A. P. Low.]

Appendix VI. Notes on physical condition of Eskimos. By L. E. Borden.

**Accompanying Map:**

Geological map of the northeastern part of the Dominion of Canada, to illustrate the report on the cruise of the D. G. S. Neptune to Hudson bay and the Arctic islands by A. P. Low, 1905. Published 1906. Scale: 50 miles to 1 inch.

¹Entered also on p. 174.
PART XI.

GENERAL REPORTS AND MAPS RELATING TO THE WHOLE OF CANADA, WITH SOME OTHER PUBLICATIONS, NOT INCLUDED IN THE FINDING LISTS.
PART XI.

GENERAL REPORTS AND MAPS RELATING TO THE WHOLE OF CANADA, WITH SOME OTHER PUBLICATIONS, NOT INCLUDED IN THE FINDING LISTS.

The list includes publications which from their general character, non-Canadian subject matter, or for other obvious reasons, it is unnecessary or impracticable to include in the Finding Lists. See also parts VII, VIII, and IX for similar publications on zoology, botany, and anthropology.

Certain publications listed here appear also in other parts of the catalogue, e.g. No. 395, which contains a general geological sketch of Upper and Lower Canada, but was written to accompany the collection of economic minerals exhibited at Paris in 1855, and includes a general catalogue of the collection. It is, therefore, listed also in part XII.

REPORTS.

CANADA.

(Restricted to the parts of the present provinces of Ontario and Quebec formerly known as Upper and Lower Canada respectively.)

†1. Remarks on the mode of proceeding to make a geological survey of the Province. By W. E. Logan.

†1. Preliminary report, 1842. (Giving "a probable sketch of some leading features in Canadian geology.") By W. E. Logan.

†1. Report of Progress for the year 1843. (Contains a short account of the general geological structure of the eastern and western portions of the Province of Canada, in relation to that of the United States, with notes on lithographic stone.) By W. E. Logan.

†7. Appendix. Catalogue of some of the economic minerals and deposits of Canada with their localities. By W. E. Logan. See also Nos. 470 and 471.


Note: This volume "contains, in a condensed form, the substance of all the previous reports, with much original matter."

Appendix.
I. A tabular view of the rocks of Great Britain and North America; with notes.
II. A catalogue of the Lower Silurian fossils of Canada.
III. Additional figures of Palæozoic fossils, and figures of some from the recent deposits.


DOMINION OF CANADA.


MINERALS.

Annotated list of the minerals occurring in Canada. By G. C. Hoffmann.


Botany. (See also Botany in Part VIII.)


ALTITUDES.


Note: A second edition, revised and greatly enlarged, has since been published (1915) by the Commission of Conservation.

Relief map of Canada and the United States. 1900. Scale: 250 miles to 1 inch.

Sheet 1. Profile of Canadian Pacific Railway main line, Montreal to Winnipeg. [1901.] Horizontal scale: 30 miles to 1 inch; vertical scale: 1,000 feet to 1 inch.

Sheet 2. Profile of Canadian Pacific Railway main line, Winnipeg to Vancouver. [1901.] Horizontal scale: 30 miles to 1 inch; vertical scale: 1,000 feet to 1 inch.

Sheet 3. Profile of Canadian Pacific railway, original location of main line via Yellowhead pass, East Selkirk to Kamloops. [1901.] Horizontal scale: 30 miles to 1 inch; vertical scale: 1,000 feet to 1 inch.

Sheet 4. Profile of Saint Lawrence river and Great Lakes. [1901.] Horizontal scale: 35 miles to 1 inch; vertical scale: 335 feet to 1 inch.

MINING.

Observations on mining laws and mining in Canada, with suggestions for the better development of the mineral resources of the Dominion. By E. Coste.

NEWFOUNDLAND.

Paleozoic fossils, volume I. By E. Billings.

6. New species of fossils from the Quebec group in the northern part of Newfoundland.

Paleozoic fossils, volume II, part I. By E. Billings.

2. On some new species of fossils from the Primordial rocks of Newfoundland.

Memoir No. 78. Wabana iron ore of Newfoundland. By A. O. Hayes.

GREAT BRITAIN.

Appendix [to report by W. E. Logan]. Statistical tables of copper-mining and copper-smelting in Great Britain from 30th June, 1888, to 30th June, 1946.
Joint report on the bituminous or oil-shales of New Brunswick and Nova Scotia, also on the oil-shale industry of Scotland. By R. W. Ells. Part I. Economics. (The portion on "The Scotch oil-shale industry.")

Appendix. The technology of the Scottish shale oil industry. By W. A. Hamor.

UNITED STATES.

63. On the rocks and cupriferous beds of Portage lake, Michigan. (Appendix to report by T. Macfarlane.)


MISCELLANEOUS.

1107. Report for the year 1855. On the metallurgy of iron; extraction of salts from sea-water; magnesian mortars; purification of plumbago; peat and products derived from it. By T. S. Hunt.


322(Q). Appendix A. Table of Beaumont's hydrometer, with corresponding specific gravities. [By H. P. Brumell.]

322(Q). Appendix C. Bibliography. (Taken from the report on petroleum by S. F. Peckham, vol. X, 10th Census, U.S.A.)

591. 617(J). Appendix I. Literature relating to the anorthosites of Canada. [By F. D. Adams.]

591. 617(J). Appendix II. The smelting of titaniferous iron ores. (From a paper in "The Iron Age" for February 6th and 20th, 1896 (slightly abridged).) By A. J. Rossi.

MAPS.

CANADA.


53. Geological map of Canada and the adjacent regions, including parts of other British provinces and of the United States. 1865 (dated 1864). Scale: 125 miles to 1 inch.

65. Geological map of Canada and the adjacent regions, including parts of other British provinces and of the United States. 1869 (dated 1866). Scale: 25 miles to 1 inch. In 8 sheets.

153. Map showing the general northern limits of the principal forest trees of the Dominion of Canada [east of the Rocky mountains]. 1881. Scale: 80 miles to 1 inch.

411. Map of the Dominion of Canada, geologically coloured. [1884.] Scale: 45 miles to 1 inch.

677. Relief map of Canada and the United States. 1900. Scale: 250 miles to 1 inch.


810. Map of the Dominion of Canada, showing progress of field operations by the Geological Survey, 1843-1903. Published 1903. Scale: 250 miles to 1 inch.


1 Additions and corrections have been made on the plates from time to time, and the map in this state may still be obtained from Edward Stanford, Ltd., London, Eng.
Western Canada. Geology. 1909. Scale: 100 miles to 1 inch.

Note: Specially printed and sent to British Columbia for the meeting of the British Association. Not intended for general distribution. A reprint of the western half of map No. 1084.

Geological map of the Dominion of Canada and Newfoundland. (Map 91A.) 1913. Scale: 100 miles to 1 inch.

Coal areas of Canada. (Map 128A.) 1914. Scale: about 250 miles to 1 inch.

UNITED STATES.

Route map between Prince Rupert [British Columbia], and Frederick sound [Alaska]. Scale: 24 miles to 1 inch.

Route map between Frederick sound and Skagway [Alaska]. Scale: 24 miles to 1 inch.

Submarine topography of Russell fiord [Alaska], (from soundings in 1910, by The National Geographic Society). Scale: 3½ miles to 1 inch.

Hubbard, Variegated, and Turner glaciers [Alaska]. Scale: 1 mile to 1 inch.

Map of Muir glacier [Alaska] in 1899 (Gilbert and Gannett); in 1903 (Andrews); and in 1907 (Morse and Klotz). Scale: 6·6 miles to 1 inch.

Nunatak glacier [Alaska]. Scale: 0·75 miles to 1 inch.

Hidden glacier [Alaska]. Scale: 0·75 miles to 1 inch.
PART XII.

CATALOGUES AND OTHER PUBLICATIONS RELATING TO THE MUSEUM AND THE COLLECTIONS SENT TO VARIOUS EXHIBITIONS; AND CATALOGUES AND INDEXES OF THE PUBLICATIONS OF THE GEOLOGICAL SURVEY.

A. Catalogues and Other Publications relating to the Museum.
B. Catalogues and Other Publications prepared for various International Exhibitions, etc.
C. Catalogues of Publications.
D. Indexes.
PART XII.

CATALOGUES AND OTHER PUBLICATIONS RELATING TO THE MUSEUM AND THE COLLECTIONS SENT TO VARIOUS EXHIBITIONS; AND CATALOGUES AND INDEXES OF THE PUBLICATIONS OF THE GEOLOGICAL SURVEY.

A. Catalogues and Other Publications relating to the Museum.


Contains:
Part II. Description of rocks. By G. A. Young.

Note: Accompanied the collections. Not for general distribution.


Note: Cover-title differs, reading: "Instructions regarding the collection of zoological specimens for the Victoria Memorial Museum. Zoology."


Note: Forms one sheet, folded in three, with printed pages on one side and diagram on the other side. For use in the museum, not for distribution.

B. Catalogues and Other Publications prepared for various International Exhibitions, etc.


‡471. Grand Industrial Exhibition, 1851. Catalogue of some of the economic minerals and deposits of Canada, with their localities: prepared for the
purpose of promoting a collection of native specimens, applicable to useful purposes, to be sent to a Provincial industrial fair, to be held in Montreal the second Monday in October, 1850, and a selection from them to the Grand Industrial Exhibition, in London, in 1851. Toronto [1850]. Folio. pp. 3. By W. E. Logan.

Note: Practically the same subject-matter as No. 470, with additional localities, etc. Title across full width of page, and printed matter in double columns, filling the pages. Folded as a document, with title on back identical with that on No. 470.


Note: Reprinted, in octavo form, without the map, in the report of the Canadian Executive Committee for the Paris Exhibition, English and French, in appendix No. 46, volume XIV, 1856, Journal of the Legislative Assembly of the Province of Canada; and in "Canada at the Universal Exhibition of 1855," Toronto, 1856, English and French editions.

Accompanying Map: Carte géologique du Canada. Scale: 150 miles to 1 inch.


Note: Subject-matter as in No. 395, but without the introduction, appendix, and map, and not divided into chapters.


Note: Contains much information on the geology of the old Provinces of Upper and Lower Canada (parts of Ontario and Quebec).


Descriptive catalogue of the Canadian geological exhibits, compiled by the Geological Corps of Canada.
Notes on a stratigraphical collection of Canadian rocks. By A. R. C. Selwyn.

Note: The notes contain much geological information on the whole of Canada.


Note: Contains much information on mines, minerals, and rocks, some of which is not published elsewhere.


Note: Contains much information on mines, minerals, and rocks, some of which is not published elsewhere.


Note: A handbook giving a descriptive sketch of the mineral resources of the Dominion.


Note: This handbook is identical in form with No. 488, but as no copy was available further details cannot be given.


Note: Contains essentially the same subject-matter as No. 488, revised, enlarged, and re-arranged in part. The statistics of 1900 are substituted for those of 1899.


Note: Identical with No. 1471, except the headline of the title-page.

C. Catalogues of Publications.

The following catalogues and supplements have been published in separate form. Other lists will be found in the Reports of Progress, Annual Reports, and Summary Reports of the Geological Survey. The Atlas accompanying the general report, "Geology of Canada, 1863," contains, in appendix I, a list of publications issued up to 1865, and the Report of Progress for 1870-71 another, brought up to 1870.

A special list of publications on economic minerals (to 1903) is included in the Summary Report for 1903.

Detailed lists of maps published during the year and in preparation are given in the Summary Reports from 1885 on. The Summary Reports from 1906 to date have also a special section for publications, other than maps, issued during the year.

Advertisement pages at the back of recent Summary Reports and Memoirs contain lists of publications, other than maps, issued from 1909 to the date of that particular publication.


Additional publications issued by the Geological and Natural History Survey of Canada, since the list of 1884 was printed. (Caption-title. No cover.) [Ottawa, 1885?] 8vo. pp. 4.


Supplementary list of publications issued by the Geological Survey Department, Ottawa, Canada, since the list of 1889 was printed. (Caption-title. No cover.) [Ottawa, 1891.] 8vo. pp. 4.


Supplementary list of publications issued by the Geological Survey of Canada, since the list of 1895 was printed. (Caption-title. No cover.) [Ottawa, 1897.] 8vo. pp. 3.


Supplementary list of publications of the Geological Survey of Canada from 1900 to 1903 (See list from 1843 to 1900). Ottawa, 1903. 8vo. pp. 11. With index maps Nos. 754 to 757 (first issued with Summary Report for 1901).

Supplementary list of publications of the Geological Survey of Canada, 1904 and 1905 (See lists from 1843 to 1900 and from 1900 to 1903). Ottawa, 1906 (dated 1905). 8vo. pp. 7.


NOTE: Supplement to No. 956, replacing No. 496.


NOTE: Catalogue bears also the publication number "307" of the Mines Branch. No English edition.


NOTE: Catalogue bears also the publication number "307" of the Mines Branch. No English edition.

D. Indexes.

NOTE: Gives contents of the Reports of Progress from 1843 to 1852-53 (Nos. 1 to 10 inclusive), also of Report on the north shore of lake Huron (No. 392). (Caption-title. No cover.)

NOTE: Includes the general report "Geology of Canada, 1863". (No. 50.)

NOTE: Includes only the Annual Reports (new series), volumes I to XVI.
PART XIII.
MINERAL PRODUCTION OF CANADA
AND
MINERAL RESOURCES BULLETINS.
PART XIII.

MINERAL PRODUCTION OF CANADA AND MINERAL RESOURCES BULLETINS.

A. Mineral Production of Canada.

These are brief statistical tables, issued in advance of the annual reports, and subject to revision.


Note: Statements of the annual reports revised and rearranged to conform with method of statement adopted for recent years.


Note: Statements of the annual reports revised according to the latest information available, forming a comparative statement illustrating the progress of the mineral industries of Canada from 1886 to 1896 inclusive.


Note: In former catalogues the number "719a" was assigned to this publication.
A series giving, in condensed form, information regarding some of the mineral resources of Canada. The following have been issued:

<table>
<thead>
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<th>No.</th>
<th>Title</th>
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<tr>
<td>1884</td>
<td>Asbestos.</td>
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<td>953</td>
<td>Barytes.</td>
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<td>851</td>
<td>Coal.</td>
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<tr>
<td>882</td>
<td>Copper.</td>
</tr>
<tr>
<td>877</td>
<td>Graphite.</td>
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<tr>
<td>857</td>
<td>Infusorial earth.</td>
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<td>858</td>
<td>Manganese.</td>
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<td>869</td>
<td>Mica.</td>
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<tr>
<td>1872</td>
<td>Molybdenum and Tungsten.</td>
</tr>
<tr>
<td>880</td>
<td>Peat.</td>
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<td>881</td>
<td>Phosphate (apatite).</td>
</tr>
<tr>
<td>913</td>
<td>Pigments, mineral.</td>
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<td>1818</td>
<td>Platinum.</td>
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<td>859</td>
<td>Salt.</td>
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<td>860</td>
<td>Zinc.</td>
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Published as follows:


953. The barytes deposits of Lake Aislaie and North Cheticamp, N.S., with notes on the production, manufacture, and uses of barytes in Canada. Ottawa, 1907. 8vo. pp. 43. By H. S. Poole.


Note: Title-page (English edition) erroneously bears the number "909".


PART XIV.

NOVA SCOTIA SERIAL GEOLOGICAL MAP-SHEETS AND PLANS AND SECTIONS OF GOLD DISTRICTS.
PART XIV.

NOVA SCOTIA SERIAL GEOLOGICAL MAP-SHEETS
AND
PLANS AND SECTIONS OF GOLD DISTRICTS.

A. Geological Map-sheets.

(Scale: 1 mile to 1 inch.)

The list gives map-sheets which have been published to date. Date of publication follows names of sheets not listed elsewhere. The index map for these sheets is map No. 927 (see end of list) which also shows positions of special maps and the large-scale plans of the gold-mining districts. Sheets Nos. 1 to 24 do not have names of the sheets printed on them. Nos. 25 to 38 have the names printed on backs of folded copies issued in portfolio accompanying part P, Annual Report, 1886. In references, numbers in brackets are the publication numbers of the Geological Survey. References relating to the gold-bearing rocks have been furnished, for the most part, by E. R. Faribault.

<table>
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<tr>
<th>SERIAL NUMBER</th>
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<th>REFERENCES AND NOTES</th>
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<tr>
<td>1</td>
<td>Cape North</td>
<td>(167H) Rep. Prog., 1882-84</td>
<td>184</td>
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36. West River St. Mary. (209) Sum. Rep., 1885, pp. 20-21, or (211)
               P; (633 or 644) Sum. Rep., 1897, p.
               108; (316) Sum. Rep., 1902, pp. 410-
               412, or (817) pp. 412-414; (1173) Mem.
               20, pp. 133-134, 283, etc.
               Note: Title on back of folded map
               and name of river on map itself reads:
               "St. Marys".

37. Liscomb River.   (232) Sum. Rep., 1886, p. 31, or (234)
               P; (632 or 644) Sum. Rep., 1897, pp.
               421-423, or (817) pp. 423-425; (865 or
               866) Sum. Rep., 1903, pp. 179-180;
               (1173) Mem. 20, pp. 224-236, etc.

38. Moser River.     (232) Sum. Rep., 1886, p. 31, or (234)
               P; (716 or 717) Sum. Rep., 1900, p.
               167; (816) Sum. Rep., 1902, pp. 416-
               419, or (817) pp. 418-421; (865 or 866)
               Sum. Rep., 1903, pp. 180-181; (1173)
               Mem. 20, pp. 139-141, 151-163, 181,
               187, 220-224, 268, 269, etc.
               Note: Title on back of folded map
               and name of river on map itself reads:
               "Moser's".

               Sum. Rep., 1888, pp. 29-30, or (259)
               pp. 99-100; (320) Sum. Rep., 1890,
               p. 42, or (322) p. 62A; (552) Sum.
               Rep., 1894, pp. 96-97, or (553) pp.
               94-95; (673 or 674) Sum. Rep., 1898,
               pp. 157-159; (1173) Mem. 20, pp.
               239-244, etc.

40. Sheet Harbour. 1897 (257) Sum. Rep., 1888, pp. 29-30, or
               (259) pp. 99-100; (320) Sum. Rep.,
               1894, pp. 95-97, or (553) pp. 93-95;
               110-112; (690 or 691) Sum. Rep., 1899,
               pp. 183-187; (816) Sum. Rep., 1902,
               pp. 423-424, or (817) pp. 425-426;
               (1173) Mem. 20, pp. 65, 163-164, 170,
               220-224, 269, etc.

               96-97, or (553) pp. 94-95; (632 or 644)
               Sum. Rep., 1897, pp. 110-111; (1173)
               Mem. 20, pp. 141-145, 176, 267-269,
               etc.

42. Trafalgar.        (331) Ann. Rep., 1890-91, part P; (1173)
               Mem. 20, p. 268, etc.

43. Stellarton.       (331) Ann. Rep., 1890-91, part P; (552)
               Sum. Rep., 1894, p. 94, or (553) p. 92;
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1019


Note: Map No. 1019a is the uncoloured edition of map No. 1019.

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Note: An advance edition, uncoloured, was published in 1909, and reprinted in 1913.
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<td>Cape Dauphin. Report No. 685.</td>
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INDEX MAP.

927. Map of the province of Nova Scotia. [Showing the gold-bearing series and granites, and progress of mapping to 1906.] 1907 (dated 1906). Scale: 12 miles to 1 inch.

NOTE: Issued "to illustrate report by E. R. Faribault on the gold fields of Nova Scotia," but when his work was published, in Memoir No. 20, it was superseded by the more complete geological (and mineral) map of Nova Scotia, No. 1185.

B. Plans and Sections of Gold Districts.

The list gives all plans and sections published to date. References given were, for the most part, furnished by E. R. Faribault.

PUBLICATI0N NUMBER.

832. Isaacs Harbour [also called Goldboro, or part of Stormont district], Guysborough county. 1904. Scale: 500 feet to 1 inch.


656. Upper Seal Harbour [also called Upper Isaacs Harbour, Richardson, or part of Stormont district], Guysborough county. 1899. Scale: 500 feet to 1 inch.


850. Dolliver Mountain mine, Upper Isaacs Harbour, Guysborough county. Transverse section through vertical shaft and cross-cut, showing structure of new saddle veins developed, and proving their recurrence in depth. 1904. Scale: 25 feet to 1 inch.

References: (865 or 866) Sum. Rep., 1903, p. 177.

649. Forest Hill [part of the Stormont district], Guysborough county. 1898. Scale: 500 feet to 1 inch.


843. Cochran Hill [including the Crows Nest mine], Guysborough county. 1904. Scale: 500 feet to 1 inch.


References: (816) Sum. Rep., 1902, pp. 413-416, or (817) pp. 415-418; (1173) Mem. 20, pp. 260-266, with plan and sections of workings on the pay-shoot of the Plough lead.

645. Goldenville [also called Sherbrooke], Guysborough county. 1898. Scale: 250 feet to 1 inch.


806. Transverse vertical section through main shaft and cross-cuts, Bluenose gold mine, Goldenville. 1903. Scale: about 68 feet to 1 inch.


945. Harrigan Cove, Halifax county. 1906. Scale: 400 feet to 1 inch.

Publications

**Publication Number.**

647. Salmon River [or Dufferin Mines], Halifax county. 1898. Scale: 250 feet to 1 inch.


650. Fifteen-mile Stream, Halifax county. 1899. Scale: 500 feet to 1 inch.


622. Killag, Halifax county. 1898. Scale: 500 feet to 1 inch.


643. Caribou, Halifax county. 1898. Scale: 500 feet to 1 inch.

*References:* (632 or 644) Sum. Rep., 1897, pp. 112-113; (1173) Mem. 20, pp. 199-204.

646. Moose River, Halifax county. 1898. Scale: 250 feet to 1 inch.


*References:* (673 or 674) Sum. Rep., 1898, pp. 157-159; (1173) Mem. 20, pp. 239-244, with section across anticlinal fold between Copper and Rush lakes.

765. Lake Catcha [or Chezzetcook], Halifax county. 1902. Scale: 250 feet to 1 inch.


666. Lawrencetown, Halifax county. 1900. Scale: 500 feet to 1 inch.


701. Renfrew, Hants county. 1900. Scale: 500 feet to 1 inch.


**Note:** Through error, title on plan reads: "Renerew."
768. South Uniacke, Hants and Halifax counties. 1902. Scale: 250 feet to 1 inch.  

References: (582 or 583) Sum. Rep., 1895, p. 113; (690 or 691) Sum. Rep., 1899, pp. 175-179; (865 or 866) Sum. Rep., 1903, pp. 182-183, with section No. 849; (1173) Mem. 20, pp. 197-204, with same sections as in No. 849, on a reduced scale.

849. Transverse section, West Lake mine, Mount Uniacke gold district, Hants county. 1904. Scale: 25 feet to 1 inch.  
References: (865 or 866) Sum. Rep., 1903, pp. 182-183; (1173) Mem. 20, pp. 197-204.


937. Leipsigate [or Micmac mines], Lunenburg county. 1907 (dated 1906). Scale: 500 feet to 1 inch.  


1012. Brookfield, Queens county. 1908. Scale: 250 feet to 1 inch.  
References: (1173) Mem. 20, pp. 121-123, with second issue of greater portion of plan No. 1012, sheet divided into 2 portions, forming Figs. 1 and 24 of the memoir.  
Note: Sheet includes: "Longitudinal section in the plane of the Libby 'fissure' vein, showing workings on well-defined ore-shoot which occurs at the intersection of the 'fissure' vein with three interbedded quartz leads," and "Vertical transverse section A.B. through main shaft and across Libby 'fissure' vein and the three interbedded leads."

995. Malaga [or Molega], Queens county. 1907. Scale: 250 feet to 1 inch.  
PART XV.

LIST OF MAPS OF THE "A" SERIES.
PART XV.

LIST OF MAPS OF THE "A" SERIES.

In the report of the director for 1909 (Summary Report, No. 1120) it is stated that, beginning with the year 1910, maps are to receive their own consecutive numbers, as Map No. 1A, etc. This system of numbering has been discontinued, maps now bearing, as in the past, only the publication number of the Geological Survey, which also appeared on the maps of the "A" series. For reference purposes the following list is given of those maps which bear the double numbers.

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**Note:** For completeness all maps included in the series are given in the above list, but maps 68A, 115A, 135A, 145A, 151A, 152A, 164A, 165A, 161A–165A, 166A, 174A, 183A, 185A are not listed elsewhere as they were published since this Catalogue was completed or have not yet been issued.
PART XVI.
SUMMARY REPORTS PUBLISHED AS SEPARATES.
PART XVI.

SUMMARY REPORTS PUBLISHED AS SEPARATES.

A list showing the various forms in which these reports have been issued.

†66. Summary Report for three years, 1st May, 1866, to 1st May, 1869.
†67. (E) " the five months ending 1st May, 1870.
†117. (F) "
†320. (E) " 1890 (Blue-book).
†946. (F) "
321. (E) " 1891 (Blue-book).
†1014. (F) "
†352. (E) " 1892 (Blue-book).
†1027. (F) "
†353. (E) " 1893 (Blue-book).
†1071. (F) "
†552. (E) " 1894 (Blue-book).
†1151. (F) "
†582. (E) " 1895 (Blue-book).
†1323. (F) "

†1 The Summary Reports are also contained in the bound volumes of Sessional Papers of the Parliament of Canada.
Summary Report for 1896 (Blue-book).


1897 (Blue-book. Probably issued in French, but not seen).


1898 (Blue-book).


1899 (Blue-book).


1900 (Blue-book).


1901 (Blue-book).


1902 (Blue-book. Through error, French edition bears the number "947").


1903 (Blue-book. Probably issued in French, but not seen).


1904 (Blue-book).


1905 (Blue-book. Through error, French edition bears the number "947").

1906 (Blue-book).

1907 (Blue-book).

1907 (Summary report of H. Fletcher).

1908 (Blue-book).

1120. (E) 1122. (F)

1170. (E) 1176. (F) " 1910 (Blue-book).

1218. (E) " 1911 (Blue-book. Through error, French edition bears the number "1218").

1475. (F) "

1305. (E) " 1912 (Blue-book).

1306. (F) "

1359. (E) " 1913 (Blue-book).

1360. (F) "

1503. (E) " 1914 (Blue-book).

1504. (F) "

1616. (E) " 1915 (Blue-book).

1617. (F) "
PART XVII.
FINDING LISTS.
PART XVII.

FINDING LISTS.

All publications of the Geological Survey are given in the finding lists except certain reports, maps, and special publications which it is unnecessary or impracticable to include on account of their general character, non-Canadian subject matter, or for other obvious reasons. For such publications parts VII, VIII, IX, and XI of this catalogue should be consulted.

The finding lists are arranged according to provinces and territories as follows:

- Yukon.
- British Columbia.
- Alberta.
- Saskatchewan.
- Manitoba.
- North West Territories.
- Ontario.
- Quebec.
- New Brunswick.
- Nova Scotia and Prince Edward Island.

For each of these there is an index map subdivided into areas the boundaries of which, in general, are lines of latitude and longitude. Each row of subdivisions has its letter, commencing with "A" for the most southerly, "B" for the next to the north, and so forth. The subdivisions of each row, from west to east, have consecutive numbers attached to the letter, as A1, A2, etc. For portions of Quebec, where smaller divisions are desirable on account of the large number of detailed reports and maps relating to them, one subdivision in the "A" row is again divided into two parts, and two in the "B" row into four parts each. These smaller divisions bear an additional figure, e.g. the divisions of "B5" are lettered and numbered "B51, B52, B53, B54."¹

For each province or territory there is first a section in which each map subdivision is given in one column, with the publication numbers (in numerical order) of all reports and maps relating to it arranged in an opposite column. This section is followed by two others, one containing a title-list of the reports and the other of the maps.

"Reports" as used here includes all publications other than maps, etc., and "Maps" includes maps, plans, diagrams, and sections.

In the first section the reports for each subdivision of the index map are classified under the following necessarily brief headings:

- General. (Appendices to general reports, on special subjects (palaeontological, zoological, etc.), and similar brief reports included in the main contents, are listed under their appropriate headings.)

¹Author's Note: This is one of the minor defects in the index maps, referred to in my introduction (p. 2). The second figure was evidently intended to represent the number of the subdivision of the area, e.g., the subdivisions of area "B5" would, under that system, be lettered and numbered "B1-1," "B2-2," etc. The two figures have, however, been run together on the maps and in any case the system is too complicated to use in the Finding Lists. The two figures have, therefore, been treated as whole numbers, "51," "52," etc.
Minerals, rocks, etc. (Including the reports of the division of mineral statistics and mines and the chemical laboratory, the mineral resources bulletins, and reports or appendices not of a general character.)

Palaeontology. (Including all reports, appendices, and special publications on fossils.)

Zoology.

Botany.

Anthropology. (Including ethnology, linguistics, archeology, etc.)

Geography, topography. (Including altitudes, latitudes and longitudes, magnetic declinations, etc.)

Meteorology. (Including weather statistics, climate, etc.)

Each publication in the lists of reports and maps by titles has a page reference to the part of the catalogue where the full details and notes, including references to any preliminary reports, may be found.

For convenience of reference the reports and maps are arranged in numerical order according to the publication number, which is placed opposite each of them in the margin. In the case of reports not issued as separates this number is that of the volume containing them. For those forming parts of bound volumes and also issued as separates, the number in the margin is that of the separate. Most of these latter reports are included in volumes whose parts bear distinctive letters. In such cases the publication number of the volume, followed by the letter of the part, immediately precedes the title.

Summary reports issued both in blue-book form and as part A of an Annual Volume have the two publication numbers placed in the margin, the first being that of the blue-book.

Following the title of each report and map are the subdivisions of the index map which include localities referred to in the reports or covered by the maps. Thus not only can a particular area be quickly found, but the whole scope of a report or map is seen at a glance.

Frequently a small but important item of information regarding some locality outside of the main area dealt with, occurs in a report; in such cases the addition of the subdivision containing it directs attention to the fact.

Regarding the reports of the division of mineral statistics and mines, each mineral for which definite localities and information are given, is listed, followed by the subdivision in which it occurs.

How to Use the Finding Lists.

As an example, let us take an extreme case and suppose that it is desired to obtain all the information which has been published by the Geological Survey on lake Nipigon.

Turning to the Ontario finding list and examining the index map it will be seen that the lake lies in subdivisions D4 and E4.

In the first section of the list, opposite D4 we see that the general reports are Nos. 4, 74, 84, 89, 154, 209, 211, 266, 296, 537, 539, 541, 544, 552, 553, 673, 674, 678, 690, 691, 716, 717, 761, 762, 816, 817, 899, 900, 947, 992, 1059, 1072, 1081, 1091, 1170, 1561; and opposite E4 the general reports, other than those just given, are Nos. 239, 865, 866, 959, 1080.
Consulting next the section giving the list of reports by titles (using the page reference given after each title when more details are desirable), we find that we can at once eliminate Nos. 4, 89, 154, 209 (or 211), 239, 266, 544, 678, 716 (or 717), 865 (or 866), 947, 1089, 1081, 1170.

As regards reports Nos. 84, 296, 537, 539, 541, 690 (or 691), 899 (or 900), 1561, it cannot be determined from the titles alone whether or not they contain information on lake Nipigon. Of these, Nos. 537, 539, and 541 are Guide Books, and on consulting the detailed lists of their contents given in part V of this catalogue, it will be found that No. 541 contains some information and Nos. 537 and 539 do not. Nos. 84, 296, 690 (or 691), 899 (or 900), 1561, are, therefore, the only cases where an examination of the report itself is necessary, and this will show that Nos. 84 and 296 contain information on the lake and Nos. 690 (or 691), 899 (or 900), and 1561 do not.

The general reports which we require, therefore, are Nos. 74, 84, 296, 541, 552 (or 553), 673 (or 674), 761 (or 762), 816 (or 817), 959, 992, 1059, 1072, 1091.

Where more than one report is listed under the one publication number, as in many Reports of Progress, Annual Reports, and Summary Reports, by glancing over the subdivisions given after each title the reports which refer to the required subdivisions can be quickly found.

Considering now special subjects, we find that for D4 and E4 these fall under the headings "minerals, rocks, etc.," "palaeontology," "zoology," "botany," and "geography, topography."

Reports on minerals, rocks, etc., for D4 are Nos. 86, 138, 156, 222, 245, 246, 266, 272, 273, 299, 333, 334, 335, 360, 391, 545, 572, 580, 616, 662, 718, 724, 800, 821, 835, 880, 947, 953; and for E4, other than these, Nos. 96 and 102.

Consulting, as before, the list of reports by titles, we at once eliminate Nos. 266, 391, 545, 947.

Of the remainder, Nos. 86, 245, 272, 334, 335, 360, 572, 662, 718, 800, 835, 893, are reports on mineral statistics and mines. From the list by titles it can be seen at a glance which minerals we must look up in the report. We find that none of the reports mentioned contain the information we seek. As an example, the only mineral listed in No. 86 as occurring in D4 is silver, and lake Nipigon is not given amongst the localities noted for Ontario.

Nos. 138, 156, 222, 246, 273, 299, 333, 580, 616, 724, 821 are reports of the chemical laboratory. These have excellent detailed tables of contents, and we quickly find that No. 821 (giving analyses of dolomite and dolomitic limestone from lake Nipigon) is the only one required.

Nos. 880 and 953 are mineral resources bulletins on peat and barite (including strontianite). We find they do not contain anything on our subject.

In No. 96 an analysis of limestone from Inner Barn island, lake Nipigon, will be found in the footnote on p. 36 (225 of volume). Also an analysis of iron ore from an indefinite locality on the east side of the lake.

In No. 102 an analysis of a rock from Dog island, lake Nipigon, is given in the footnote on p. 11.

The required reports on minerals, rocks, etc., are, therefore, Nos. 96, 102, and 821.

70788—164
Reports on palæontology for D4 are Nos. 291 (or 293) and 712; and none are given for E4. On examining them we find no reference to lake Nipigon. (No. 712 deals only with palæozoic rocks which do not occur on the lake, but as it is known that fossil corals are found in the drift on the north shore, a reference might possibly have been found in a report of this nature.)

One report on zoology, No. 154, is given for D4; and one, No. 492, for E4. Turning to No. 154 we find that the only report on a zoological subject followed by subdivision D4 is Appendix II to No. 154 (C). On examining it we see that lake Nipigon is not included in the lists of localities. No. 492 has a reference to 899 (or 900) where we find it to be a separate of a list of land and freshwater shells included in [xi] of 899 (or 900); the title of the main report shows that it may be disregarded.

One report on botany, No. 453, is given for both D4 and E4. Turning to the titles we find it to be a list of Canadian Hepatics, and inspecting the publication we see that a number of genera and species are credited to lake Nipigon.

Under the heading of geography and topography, again one report, No. 296, is given for both D4 and E4. The list of titles shows that Appendices I and II cover these areas, and in them the courses of glacial striae and the altitude of the lake are given.

Attention is once more called to the advisability, when seeking information on any subject, of consulting also those publications which, for reasons already stated, are not included in the finding lists. Thus the altitude of the lake is more accurately given in No. 745 (Altitudes in Canada), listed in part XI, than in the earlier publication No. 296.

As regards maps, opposite subdivision D4 we find that Nos. 78, 285, 286, 314, 537a, 541s, 541w, 541x, 560, 589, 746, 749, 755, 847, 889, 964, 993, 1090, are given; and opposite E4 the only maps other than these are Nos. 846 and 1089.

Consulting the list of Ontario maps by titles, and referring to the index map, we can at once eliminate maps Nos. 285, 537a, 560, 589, 746, 749, 755, 846, 889, 1089.

Of the remaining maps, Nos. 286, 314, and 964 are the only cases where it is not clear from the title whether or not they include lake Nipigon. For No. 286, using the page reference given after the title, we can ascertain from the title of the report which it accompanies that it does not cover the area with which we are concerned. Nos. 314 and 964 are the only instances where inspection of the map itself is required to determine whether or not it contains the desired information, and we find that the direction of glacial striae on the lake is indicated on No. 314, and that the geology of the eastern portion of the lake is shown on map No. 964.

The required maps are, therefore, Nos. 78, 314, 541s, 541w, 541x, 847, 964, 993, 1090.

Lake Nipigon, of course, is also shown on the general geological maps of Canada listed in part XI, which should always be consulted in addition to those given in the finding lists.

In the case for which the method of procedure has been detailed the area on which information was sought embraces only a small portion of two subdivisions on the map. There are many reports and maps dealing with other areas in the same subdivisions, yet, starting with a total of 68 reports
and 20 maps, we have with little difficulty picked out the 18 reports and 9 maps containing the specific information required.

Of course, where the scope of the inquiry is not so broad, the search is much simplified, and the more so, in any instance, for those familiar with Canadian geology or geography, who will be able in many cases to determine at once from the title of a report whether or not it is necessary to examine it for the desired information.

### YUKON.

#### KEY TO PUBLICATIONS.

(The numbers in the column entitled "Publications" are the publication numbers of reports and maps treating of portions of country included in the respective map subdivisions.)

<table>
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<th>Map subdivision</th>
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| **A1.** | Reports: General 673 674 899 900 947 1359 1385 1388 1503 Minerals, rocks, etc. 958 Paleontology 1385 1616 Botany 1359 Anthropology 261  
Maps: 274 304 542g 894 917 1332 1354 1355 1491 |
| **A2.** | Reports: General 673 674 899 900 982 1072 1101 1388 1503 Paleontology 938 899 900 Anthropology 261  
Maps: 274 277 304 542g 894 917 990 1104 1332 1491 |
| **A3.** | Reports: General 260 295 542 629 673 674 716 717 743 909 947 959 982 1017 1050 1072 1101 1120 1228 1388 1503 1616 1620 Minerals, rocks, etc. 958 971 Paleontology 1616 Zoology 260 Botany 260 Anthropology 261 Geography, topography 260 Meteorology 260  
Maps: 274 277 304 542g 711 742 752 916 917 990 1026 1033 1041 1044 1045 1046 1047 1048 1049 1103 1104 1229e 1230 1231 1332 1412 1426 1491 |
| **A4.** | Reports: General 260 629 673 674 743 1072 1097 Minerals, rocks, etc. 271 299 695 1072 Anthropology 261 Geography, topography 260 Meteorology 260  
Maps: 274 276 277 304 542g 711 742 917 1099 1412 1426 |
| **A5.** | Reports: General 260 629 1072 1097 Minerals, rocks, etc. 115 271 273 1170 Zoology 260 1482 Anthropology 261 Geography, topography 260 Meteorology 260  
Maps: 274 276 304 542g 917 1099 1412 |
| **A6.** | Reports: General 260 629 1388 1465 Minerals, rocks, etc. 271 273 Zoology 260 Botany 260 Anthropology 261 Geography, topography 260 Meteorology 260  
Maps: 274 276 304 542g 917 1099 1412 1435 |
| **A7.** | Reports: General 1388  
Maps: 304 542g 1412 1435 |
| **B1.** | Reports: General 295 542 629 673 674 687 716 717 761 762 865 866 884 959 979 1120 1218 1359 1385 1503 1616 1664 Minerals, rocks, etc. 271 651 662 695 698 718 724 821 958 959 1533 1616 Paleontology 1385 Botany 816 817 1359 Anthropology 261 Meteorology 816 817  
Maps: 274 304 313 542g 688 753 772 885 886 917 1011 1332 1354 1355 1489 1491 1618 |
YUKON REPORTS.

(Divisions on the index map which include areas referred to in the report are given after each title.)
General note on the mines and minerals of economic value of British Columbia, with a list of localities. By G. M. Dawson. (A5.) p. 22

Notes to accompany a geological map of the northern portion of the Dominion of Canada, east of the Rocky mountains. By G. M. Dawson. (C1, E2.) p. 37


Appendix I. Notes on the distribution of trees and of certain shrubs in the Yukon district and adjacent northern portion of British Columbia. By G. M. Dawson. (A3 to A6, B2, B3, B4.)

Appendix III. List of plants collected by Dr. G. M. Dawson in the Yukon district and adjacent northern portion of British Columbia in 1887. By John Macoun. (A3, A5, A6, B2, B3, B4.)

Appendix IV. Zoology.
List of diurnal Lepidoptera. By J. Fletcher.
1. List of diurnal Lepidoptera collected in the Yukon district and adjacent northern portion of British Columbia. (A3, A5, A6, B2, B3, C1.)

Fishes, determined from photographs. By T. H. Bean. (A6.)

Description of a new red-backed mouse (Eosomys dawsoni) from the headwater of Liard river, North West Territories. By C. H. Merriam. (A6.)

Appendix VI. Meteorological observations.
1. Meteorological observations in the Yukon district and adjacent northern part of British Columbia, June 1 to September 19, 1887. [By J. McEvoy.] (A3 to A6, B2, B3.)

Appendix VII. Summary of astronomical observations employed in the construction of the map accompanying this report. By G. M. Dawson. (A3 to A6, B2, B3, B4.)

Notes on the Indian tribes of the Yukon district and adjacent northern portion of British Columbia. (Appendix II to No. 260.) By G. M. Dawson. (A1 to A6, B1 to B6, C1 to C4, D1, D2, D3.) p. 39

Notes on the lithological character of some of the rocks collected in the Yukon district and adjacent northern portion of British Columbia. (Appendix V to No. 260.) By F. D. Adams. (A3, B2, B3.) p. 40

The mineral wealth of British Columbia, with an annotated list of localities of minerals of economic value. By G. M. Dawson. (A3 to A6, B1 to B5, C1.)

Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (A3, A5, A6, B2.) p. 42

Report on an exploration in the Yukon and Mackenzie basins, N.W.T. By R. G. McConnell. (B1, B2, C1, D1, D2.) See also No. 639. p. 44

Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (A4, C1.)

Contributions to Canadian palaeontology, volume I, part II.
4. On some Cretaceous fossils from British Columbia, the North West Territory, and Manitoba. By J. F. Whitesaves. (B2, D2.) p. 171

Description of a presumably new species of Bythotrephis (B. Yukonensis) from the Unihani River shales, Yukon Territory. (Appendix III to No. 899.) By H. M. Ami. (A2.) p. 78

Guide Book No. 10. Excursions in northern British Columbia and Yukon Territory and along the North Pacific coast. (A3, B1, B2, B3, C1.) p. 160

Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (B2, B6, C1.) p. 53

Report on an exploration in the Yukon district, N.W.T., and adjacent northern portion of British Columbia, 1887, with extracts relating to the Yukon district from report on an exploration in the Yukon and Mackenzie basins 1887–88 by R. G. McConnell. By G. M. Dawson. (A3 to A6, B1 to B4, C1, D1, D2.) p. 40
Summary Report for 1897: pp. 57, 58

Notes on the placer gold deposits of the Yukon Territory. By G. M. Dawson. (Refers to the Yukon Territory in general.)

655(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (B1, C1.) p. 57

679(S). Section of mineral statistics and mines. Annual report for 1897. By E. D. Ingall. (Gold B1, C1; asbestos B2, C1.) p. 59

Summary Report for 1898: p. 60

Explorations in the southwestern portion of the Yukon Territory and adjacent portion of British Columbia. By J. B. Tyrrell. (A1, A2, A3, B1, B2.)

Preliminary note on the gold deposits and gold mining in the Klondike region, Yukon district. By R. G. McConnell and J. B. Tyrrell. (B1, C1.)

Summary Report for 1899: pp. 62, 63

Note on some plants from Dawson, Y. T. By John Macoun. (C1.)


715(S). Section of mineral statistics and mines. Annual report for 1899. By E. D. Ingall. (Gold B1, C1.) p. 61

Summary Report for 1900: pp. 65, 66

Note on coals in the Yukon district. By G. M. Dawson. (A3.)

830(S). Section of mines. Annual report for 1900. By E. D. Ingall. (Coal B2, C1.) p. 67

Summary Report for 1901: pp. 68, 69


800. 907(S). Section of mines. Annual report for 1901. By E. D. Ingall. (Platinum A3, B3; Coal B2, C1.) p. 70

Summary Report for 1902: pp. 72, 74


[ii] The climate and flora of the Yukon district. (Includes report by R. F. Stupart on the climate of Dawson.) By John Macoun. (B1, C1.)


821. 830(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (A3, B1, B3, B5, C1, C3.) p. 67

835. 911(S). Section of mines. Annual report for 1902. By E. D. Ingall. (Coal C1.) See also reprint No. 851 (Coal.) p. 75

Summary Report for 1903: pp. 73, 75

[i] Klondike district, Yukon Territory. By R. G. McConnell. (B1, C1.)
872. 

884. 
907(B). Report on the Klondike gold fields. By R. G. McConnell. (B1, C1.) p. 69

899. 
Summary Report for 1904:
[ii] The Duncan Creek mining district. (Stewart river, Yukon Territory.) By J. Keele. (B2, B3, C2, C3.)
[xxxiv] Appendix III. Description of a species of Bythotrephis from the dark-gray calcareous and indurated slates collected by Mr. J. B. Tyrrell from a locality along the Unihani river, seven miles north of Dalton's Post, Yukon district, Canada. By H. M. Ami. (A2.) See also No. 493.

909. 
Recent mineral discoveries on Windy Arm, Tagish lake, Yukon. By R. G. McConnell. (A3.) See also No. 947 [ii]. p. 80

913. 
The mineral pigments of Canada. By C. W. Willimott. (C1.) p. 211

943. 
982(C). Report on the upper Stewart River region, Yukon. By J. Keele. (B3, B4, C3, C4.) p. 79
Appendix. List of butterflies and moths collected in the Yukon Territory by J. Keele 1904-5. Determined by J. Fletcher. (B3, B4, C4.)

947. 
Summary Report for 1905:
[iii] A reconnaissance survey on the Stewart river. By J. Keele. (B3, B4, C3, C4.)
[iv] Peel river, in the Yukon and Mackenzie districts. By C. Camsell. (C3, C4, D3.)

951. 
952(CC). Report on the Peel river and tributaries, Yukon and Mackenzie. By C. Camsell. (C3, C4, D3.) p. 79
Notes on fossils. By J. F. Whiteaves. (C3, C4, D3.)

958. 

959. 
Summary Report for 1906:
[A] Note on the gold output and new operations in the Yukon. (Under "The mining industry in 1900"). By A. P. Low. (B1, C1.)
[i] Klondike district. By R. G. McConnell. (B1, C1.)
[ii] Explorations in a portion of the Yukon, south of Whitehorse. By D. D. Cairnes. (A3.)

971. 
Section of mines. Annual report on the mineral industries of Canada for 1905. By E. D. Ingall. (Silver A3.) p. 107

979. 
Report on gold values in the Klondike high level gravels. By R. G. McConnell. (B1, C1.) p. 108

982. 

1017. 
Summary Report for 1907:

1050. 

1072. 
Summary Report for 1908:
[i] Preliminary report on a portion of the Yukon Territory, west of the Lewes river and between the latitudes of Whitehorse and Tantalus. By D. D. Cairnes. (A2, A3, B2.)
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[ii] Explorations on the Pelly, Ross, and Gravel rivers, in the Yukon and Northwest Territories. By J. Keele. (A4, A5, B4, B5, B6.)

[xxiv] Section of mineralogy. By R. A. A. Johnston. (A4.)

1097. A reconnaissance across the Mackenzie mountains on the Pelly, Ross, and Gravel rivers, Yukon and North West Territories. By J. Keele. (A4, A5, B4, B5, B6.) p. 113


[A] Notes on some mining districts in the Yukon Territory. By R. W. Brock. (A3, B1, C1.)


[xxiv] Section of mineralogy. By R. A. A. Johnston. (A5.)

1218. Summary Report for 1911: p. 89

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Notes on an examination of some mines on lake Superior and of its north shore from Kaministikwi river to Echo lake. By A. R. C. Selwyn. (D4, C6, C7.)


[Part II.] On the geology of the Lake of the Woods and adjacent country. By R. Bell. (D1, D2, D3.)

Appendix I. Catalogue of the plants collected by Dr. Robert Bell along the Michipicoten river and in the southern part of the basin of Moose river, in July, August, and September, 1881. By John Macoun. (D6, D7.)

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156. 154(H). Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (B10, B11, D4, D5.) p. 28

167. Summary report of the director for 1883: p. 29

Notes on the Huronian mine, Jackfish lake, Thunder Bay district, Ontario. By A. R. C. Selwyn. (D3.)

Explorations on Lake of the Woods, and Wabigoon lake to Red lake, via lac Seul, Ontario, and on lake Winnipeg and Winnipeg river. By R. Bell. (D1, D2, D3, E2, E3.)

167. (DD). Appendix II. List and notes of mammals of the vicinity of Hudson bay and Labrador. By R. Bell. (E8.) p. 30


169. 167(MM). Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (B9, B10, D1, D3.) p. 30

209. Summary Report for 1885: p. 32

Note on the Zenith zinc mine, near Rossport, Ontario. By A. R. C. Selwyn. (D5.)

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Work of E. Coste in Hastings, Peterborough, and Victoria counties, Ontario. By A. R. C. Selwyn. (B9, B10.)

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Notes of examinations along the main line of the Canadian Pacific railway from Ottawa to Pogamasing, with description of the occurrence of copper sulphide ore near Sudbury, Ontario. By A. R. C. Selwyn. (B10, B11, C8, C9.)

Investigations in the gold and iron-bearing region in Hastings and Peterborough counties, Ontario, and in the Eastern Townships, Quebec. By E. Coste (partly summarized by Selwyn). (B9, B10.)

215. 210(CC). Report on the geology of the Lake of the Woods region, with special reference to the Keewatin (Huronian?) belt of the Archean rocks. By A. C. Lawson. (D1.) p. 34

222. 210(M). Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (B8, B10, C6, C8, D3, D4, D5.) p. 34
Explorations and surveys in the areas covered by sheet 113 (not published), and the detailed map of the Madoc and Marmora mining district (map No. 374), Hastings, Northumberland, Durham, Peterborough, and Victoria counties, Ontario. By E. Coste (partly summarized by Selwyn). (B10.)

Appendix. Meteorological observations taken by J. M. Macoun on the route from lake Winnipeg to Fort Severn, between Fort Severn and York Factory, and from York Factory to lake Winnipeg. (F2, F3, F4, G4, H4.)

Appendix. List of Lepidoptera collected in the southern part of Keewatin district, by Dr. R. Bell. Determined by H. H. Lyman and G. D. Huist. (D2, E1, E2.)

List of plants collected on the Rupert and Moose rivers, along the shores of James bay, and on the islands in James bay, during the summers of 1885 and 1887. By J. M. Macoun. (D6, D7, E8, F8, G7.)

Appendix III. Notes on the breeding habits of certain mammals, from personal observations and enquiries from Indians. By M. Spencer.

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258(S). Report on the mining and mineral statistics of Canada for the year 1887. By E. Coste. (Silver D4; arsenic B10; gems, etc., B10, C8, D2, D4.)

258(T). Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (A9, B9, B10, B11, C8, C9, D1, D3, D4, D5, E4.)
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292(E). Report of exploration of the glacial lake Agassiz in Manitoba. By W. Upham. (D1, D2, E1, E2, F2.)  

Appendix I. Courses of glacial strata. (Region of Hudson Bay and lake Superior, and westward. From observations by R. Bell, A. S. Cochrane, and others.) [By W. Upham.] (C6, C8, D1 to D8, E1 to E5, F2, F3, F5, F6, F7, G3, G4, G5.)  
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292(R). Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (B9, B10, C6 to C9, D1 to D5, D8.)  


292(SS). Division of mineral statistics & mines. Annual report for 1889. By E. D. Ingall. (Copper C8; arsenic B10; mica B10.)  

Summary Report for 1890:  
Work of W. H. C. Smith in the area of the Ignace sheet (map No. 663), Rainy River and Thunder Bay districts, Ontario. By A. R. C. Selwyn. (D2.)  
Work of A. S. Cochrane in Bruce county, Ontario (area of sheet 107, not published). By A. R. C. Selwyn. (A8, B8.)  

Notes on the nickeliferous pyrrhotite deposit near Schreiber, Ontario, and on the rocks between Schreiber and Pic river. By A. R. C. Selwyn. (D5.)  

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Appendix II. Levels of lakes above the sea. [By R. Bell.] (C8.)  
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292(Q). Report on natural gas and petroleum in Ontario prior to 1891. By H. P. H. Brumell. (A7, A8, A9, B8 to B11.)  
Appendix B. Cost of “drilling rig,” complete, at Petrolia, Ont., F.O.B. [By H. P. H. Brumell]. (A7.)  

292(R). Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (B10, B11, C7, C8, D1, D3, D4, D5, E8.)  

292(S). Division of mineral statistics and mines. Annual report for 1890. By E. D. Ingall. (Gold B10; silver D4; copper C6, D4, D5; iron D3; nickel C8, D5; manganese C8; arsenic B10; barite D4; mica C8, C9; gypsum A8, A9; salt A8, B8; marble C6; ochre A9; phosphate B10; marl B10; cement B10; terra cotta A9, B10; mineral water B9; gas A7, A9.)  

292(SS). Division of mineral statistics and mines. Annual report for 1891. By E. D. Ingall. (Gold B10, D3; silver D4; copper C8; lead D4; nickel C8, D5; iron B9, D3; arsenic B10; gas A7, A9, B10; oil A7, A9; cement B8, B10.)  

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Work in the area of the Manitoulin Island sheet (map No. 605), district of Algoma, Ontario. By R. Bell. (B7, B8.)

Summary Report for 1893:
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Preliminary report on the geology of a portion of central Ontario situated in the counties of Victoria, Peterborough, and Hastings, together with the results of an examination of certain ore deposits occurring in the region. By F. D. Adams. (B9, B10.)

Chemical contributions to the geology of Canada, from the laboratory of the Survey. By G. C. Hoffmann. (A9, B9, B10, B11, C7, C8, C9, D2, D5.)

Division of mineral statistics and mines. Annual report for 1892. By E. D. Ingall. (Gold B10, C8, C9, D1, D4; silver C6, C8; nickel C8; salt A9; gas A7, A8, A9; oil A7.)

Remarks on the mining region of Lake Superior; addressed to the Committee of the Honourable 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. (C6, D4, D5.)

Report on the north shore of Lake Huron. (Contains a general account of the geology of a portion of the north shore of Lake Huron, and a detailed description of the Bruce mines.) By W. E. Logan. (B7, B8, C6, C7, C8.)

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Reports on the gold region of the county of Hastings, transmitted by Dr. Hunt to the Hon. Commissioner of Crown Lands, January 29, 1867. By T. S. Hunt and A. Michel. (B10.)

Figures and descriptions of Canadian organic remains. Decade III.
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On the Asteriidae of the Lower Silurian rocks of Canada. By E. Billings. (B10, B11.)

On Cyclocystoidea, a new genus of Echinochordata from the Lower and Middle Silurian rocks. By J. W. Salter and E. Billings. (B11.)

On the Paleozoic bivalve Entomostraca of Canada. By T. R. Jones. (B11, C6, C7.)

Figures and descriptions of Canadian organic remains. Decade IV.
On the Crinoidea of the Lower Silurian rocks of Canada. By E. Billings. (B10, B11, C6, C7.)


Revision of the pre-Carboniferous flora, with descriptions of new species. (A7.)

Paleozoic fossils, volume I. Containing descriptions and figures of new or little-known species of organic remains from the Silurian rocks. By E. Billings. See also Nos. 484-467, parts of No. 431 issued in advance. (A8, A9, B8 to B11, C6, C7.)
8. New species of fossils from the Calciferous formation, with remarks on some others previously described. (B10, B11.)
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432. Paleozoic fossils, volume II, part I. By E. Billings. p. 167
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1. On some new, imperfectly characterized, or previously unrecorded species of fossils from the Guelph formation of Ontario. (A8, A9, B8.)

1. On the *Monticuliporidae* of the Chazy, Black River, and Trenton formations, with descriptions of ten new species. (A9, B9, B11, O6, C7.)
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443. Contributions to Canadian palaeontology, volume I, part II. By J. F. Whiteaves. p. 171
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5. The fossils of the Devonian rocks of the Mackenzie River basin. (A8, A9.) See also appendix to No. 659.

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453. List of Canadian Hepaticae. By W. H. Pearson. (B8 to B11, C8, C9, D4, D6, E4.) p. 183

480. The Coleoptera hitherto found fossil in Canada. (Part 2 of No. 575.) By S. H. Scudder. (A9, B11.) p. 172

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492. List of land and fresh-water shells from the district of Keewatin, collected by W. McInnes in 1904. By J. F. Whiteaves. (D2, D3, E2, E3, E4, F4, F5.) See also No. 899 or 900, [xi]. p. 77
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Note: Guide Books Nos. 6 and 7 were issued by the Geological Survey in French only. The English editions were published by the Ontario Bureau of Mines, Toronto.

Guide Book No. 7. Excursions to Sudbury, Cobalt, and Porcupine. (Excursions A3 and C6.) (A9, B8, B9, C8, C9, D8.) See note above. p. 155

[Reprint of articles III, VIII, and XI, published in the Canadian Naturalist and Geologist, volume VIII, 1863.]
3. On the remains of the fossil elephant found in Canada. By E. Billings. (A9.)

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578. 581(F). Report on the country in the vicinity of Red lake and part of the basin of Berens river, Keewatin. By D. B. Dowling. (E1, E2.) p. 52

580. 581(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (A8, A9, B8 to B11, C8, C9, D1, D3, D4.) p. 53

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Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By N. J. Giroux. (B11.)

Notes on the discovery of cobalt minerals at the Dominion iron mine, Madoc township, Hastings county, Ontario. By W. F. Ferrier. (B10.)

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Work in the area of the Seine River and Manitou Lakesheets (maps Nos. 560 and 720); notes on gold locations in the vicinity of Bad Vermilion and Shoal lakes (see map No. 283); the Regina, Sultana, and Scramble mines, Lake of the Woods; the Lake Minnitaki gold region; and the Empress gold mine, near Jackfish, Lake Superior, Ontario. By W. McInnes. (D1, D2, D3, D5, E2, E3.)

Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By N. J. Giroux (edited by R. W. Ells). (B11.)

Notes on the discovery of corundum in Hastings county, Ontario. By W. F. Ferrier. (B10.)

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4. The fossils of the Galena-Trenton and Black River formations of lake Winnipeg and its vicinity. (B10, B11, C7, C9.)

616. 617(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (A8, A9, B9, B10, C7, C8, D2 to D5, E2.) p. 55

625. 658(S). Section of mineral statistics and mines. Annual report for 1896. By E. D. Ingall. (Gold D1, D2, D3, D5; copper C8; nickel C8; iron A8, B10; manganese B10, C8; asbestos B10; corundum B10; graphite B10; gypsum A8, A9, E8; mica B9; soapstone B10; gas A7, A9; mineral water B9, B11.) p. 57


Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By R. W. Ells. (B11.)

Notes on investigations of corundum and nepheline-syenites in Carlow and Dungannon townships, Hastings county, and Raglan township, Renfrew county; and of corundum in Methuen township, Peterborough county, Ontario. By W. F. Ferrier. (B9, B10.)

651. 658(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (B9, B10, C7, C8, C9, D2, D5.) p. 57

Contributions to Canadian palaeontology, volume I, part V. By J. F. Whiteaves. p. 172

7. On some additional or imperfectly understood fossils from the Hamilton
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662. 679(S). Section of mineral statistics and mines. Annual report for 1897. By E. D. Ingall. (Gold B8, B9, B10, C3, D1, D2, D3, D5; copper C7, C8; nickel C8; lead B10, C6; antimony D1; zinc D5; barite B10, B11, D4; corundum B10; flagstone A9; feldspar B10, B11; graphite B10; gypsum A9, E8; mica B9, B10; moulding sand A7; soapstone B10, B11; oil A7, A8; sulphur D5; mineral water B10, B11.) p. 59

672. 679(T). Report on the geology and natural resources of the area included by the Nipissing and Timiskaming map-sheets, comprising portions of the district of Nipissing, Ontario, and of the county of Pontiac, Quebec. By A. E. Barlow. (C8, C9.) See also No. 962 (a reprint). p. 58

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690. 715(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (B9, B10, B11, C6, D2, D3, D6.) p. 61

698. 715(S). Section of mineral statistics and mines. Annual report for 1898. By E. D. Ingall. (Gold B10, D1; copper B10, C8; nickel C8; graphite B10; ore A9; gas A7, A9; oil A7, A8.) p. 61

710. Contributions to Canadian palaeontology, volume II, part II. By S. H. Scudder. p. 172
4. Additions to the coleopterous fauna of the interglacial clays of the
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By A. D. Hopkins. (A9.)

**716.**
Contributions to Canadian palaeontology, volume IV, part II. A revision of
the genera and species of Canadian Palaeozoic corals. The *Madrepora
Aporosa* and the *Madrepora Rugosa*. By L. M. Lambe. (A8, A9, B7 to B11, C7, C9, D4, E6, E7, E8.) p. 173

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**718.**
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Work in the Michipicoten district, lake Superior, Ontario. By R. Bell.
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Work in the Muskoka district, Ontario. By W. A. Parks. (B9.)

Notes on work in the Muskoka, Haliburton, and Bancroft districts,
Ontario. By A. E. Barlow. (B9, B10.)

Work in the areas of the Ottawa and Cornwall sheet (map No. 903)
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W. Ellis (B11.)

The natural history of Algonquin park, district of Nipissing, Ontario.
By John Macoun. (B9, C9.)

Notes on insects collected by John Macoun from Algonquin park,
Ontario. By J. Fletcher. (B9, C9.)

**720.**
Section of mineral statistics and mines. Annual report for 1899.
By E. D. Ingall. (Gold B10, D1; silver D4; copper B8, B9, C8; nickel C8; zinc D5; arsenic B10; iron B10; cement B8, B10; graphite
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**721.**
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eaves. (H4.) p. 179

**722.**
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railway in eastern Ontario. By E. D. Ingall. (B10.) p. 63

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district. By A. E. Barlow. (B10.)

Appendix B. Analyses of iron ores—Kingston and Pembroke Railway
district. Compiled by E. D. Ingall. (B10.)

**723.**
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**724.**
Report on the geology of Argenteuil, Ottawa and part of Pontiac
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Appendix. Lists of fossils obtained from the several formations along the
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Ontario (Grenville sheet). By H. M. Ami. (B11.)

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Report on the geology and natural resources of the area included
in the map of the city of Ottawa and vicinity. By R. W. Ellis. (B11.)

**726.**
Section of mines. Annual report for 1900. By E. D. Ingall.
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**727.**
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[vii] Region south-east of lac Seul. By W. McIntiss. (D2, D3, E2, E3.)

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[viii] The country east of Nipigon lake and river. By W. A. Parks. (D4, D5.)
[ix] The west side of James bay. By D. B. Dowling. (E8, F6, F7, F8, G6, G7.)
[x] Western part of the Abitibi region. By W. J. Wilson. (D8.)
[xii] The Sudbury district. By A. E. Barlow. (C8.)
[xiii] Haliburton and Bancroft areas, Ontario. By F. D. Adams. (B9.)
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[xv] On borings for natural gas, petroleum, and water; also notes on the surface geology of part of Ontario. By R. Chalmers. (A7, A8, A9, B10, B11.)
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[>..'Vii] Notes on certain Archean rocks of the Ottawa valley. (Includes observations on the occurrence of apatite and mica north of Ottawa, and on two Canadian occurrences of graphite.) By A. Osann. (B11.) p. 64
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Note: To accompany Memoir No. 102, published in 1918.
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A4.

Reports: General 3 5 9 10 11 46 63 72 83 96 114 147 401 484 533 534 579 582 583 591 690 691 707 739 741 855 866 899 900 947 977 1017 1030 1170 1218 1359 1438 1445 1503 1558 1561 1618 1658 1685 Minerals, rocks, etc. 3 8 9 10 11 46 63 72 86 94 96 102 108 114 115 126 158 154 167 199 224 245 246 257 259 272 273 291 293 297 300 301 302 321 322 333 334 335 359 360 414 534 572 580 616 625 662 695 699 716 717 718 724 744 763 800 821 835 854 860 872 877 880 881 893 913 928 953 958 959 971 974 1072 1170 1218 1368 1503 1616 1658 Paleontology 39 41 63 425 432 438 440 490 491 739 950 951 1218 1240 a 1240 b 1240 c 1342 1342 g Zoology 46 Anthropology 1305 Geography, topography 3 46 52
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A51.

Reports: General 3 5 9 10 46 63 96 125 147 209 211 484 531 533 534 579 591 707 863 865 886 947 1017 1077 1170 1218 1305 1311 1359 1438 1451 1485 1487 1558 1581 1591 1598 Minerals, rocks, etc. 3 6 7 8 9 10 11 39 46 63 86 94 96 102 114 138 246 272 297 299 334 335 360 414 534 580 651 662 724 850 913 958 971 1077 1170 1311 Paleontology 11 39 41 101 423 425 426 451 458 440 483 491 615 594 712 950 959 1077 1218 1240 1240 c 1591 Zoology 46 Anthropology 1305 Geography, topography 3 39 52
Maps: 12 47 56 58 61 376 377 534 a 534 b 534 c 534 i 534 m 571 590 746 749 756 874 875 1078 1079 1301 1390 1490 1526 1531 1532

A52.

Reports: General 5 7 8 10 63 96 125 154 240 531 552 553 579 670 776 816 817 865 866 888 899 900 902 974 1017 1120 1144 1170 1190 1219 1205 1359 1451 1503 1581 1591 Minerals, rocks, etc. 5 6 7 9 11 46 63 86 96 101 102 114 138 148 154 155 272 273 297 301 321 323 333 334 335 359 580 625 651 662 698 724 761 762 776 800 816 817 821 835 854 877 880 882 888 893 899 900 902 913 928 955 971 974 1016 Paleontology 431 483 491 615 1240 1240 c 1359 1591
Maps: 56 58 61 376 377 533 g 534 a 534 i 534 l 571 667 756 777 862 887 901 976 1184 1202 1390

A61.

Reports: 3 5 8 10 46 63 64 125 154 211 240 321 323 469 531 552 553 670 816 817 865 866 888 900 902 974 1017 1028 1120 1144 1170 1190 1219 1205 1359 1451 1503 1591 Minerals, rocks, etc. 9 11 39 46 63 86 102 108 114 154 155 245 246 272 273 297 300 333 334 335 359 390 414 572 580 616 651 662 665 698 718 744 890

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1184 1202 1390 1478

A62. Reports: General 8 64 125 240 469 670 816 817 865 866 974 1028 1072
Minerals, rocks, etc. 39 246 273 297 321 323 333 335 580 872 882
971 974 1616 Anthropology 1310
Maps: 251 376 377 667 756 862 976 1029 1202 1390 1478

B2. Reports: General 3 89 672 761 762 816 817 865 866 974 1028 1072
Geography, topography 52
Maps: 159 314 524h 585 599 606 760 1007 1066 1177 1178 1282
1479 1526 1586 1609

B3. Reports: General 3 114 788 865 896 977 1365 1451 1558 1616
Minerals, rocks, etc. 273 572 616 951 662 716 717 724 854 869
872 877 Anthropology 1469 Geography, topography 3 39 52
Maps: 122 585 660 702 760 1282 1300 1479 1526 1586 1609

B4. Reports: General 46 63 67 82 114 147 284 579 691 707 739 977
1017 1451 Minerals, rocks, etc. 46 156 273 297 572 616 662 869 1383
Paleontology 739 Zoology 46 Geography, topography 46 52
Maps: 47 54 122 376 377 571 590 660 665 702 750 756 1390 1586

B51. Reports: General 67 707 1017 Minerals, rocks, etc. 256 259 572
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Maps: 376 377 665 702 766 1390

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Maps: 376 377 665 756 1390

B53. Reports: General 10 11 46 147 211 484 579 591 707 865 866 1451
1558 1581 1591 Minerals, rocks, etc. 8 11 272 297 299 334 335 359
360 572 580 662 800 821 835 877 880 882 913 Paleontology 431
453 634 712 1591 Zoology 46 Botany 899 900
Maps: 12 47 58 376 377 571 590 665 749 756 1380 1526

B54. Reports: General 7 10 63 98 125 147 167 232 254 249 256 259 268
326 531 670 707 716 717 761 762 856 866 1017 1305 1359 1451
1558 1581 1591 Minerals, rocks, etc. 6 9 10 11 63 86 96 114 256
259 272 297 324 335 335 359 590 625 662 698 716 717 718 724 800
821 835 877 880 893 913 928 971 1017 Paleontology 431 491
712 1591 Anthropology 1218 1310
Maps: 58 62 251 375 376 377 571 665 667 749 756 976 1202 1390
1526

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B62. Reports: General 7 9 10 68 96 125 154 209 211 320 321 323 328
352 355 531 865 866 1017 1072 1107 1170 1186 1305 1451 1558
Minerals, rocks, etc. 7 8 9 10 96 155 297 329 821 869 880
913 1368 1503 Paleontology 11 431 488 440 684 Zoology 39 46
722 Botany 46
Maps: 58 80 756 1180 1390 1478 1526

B63. Reports: General 5 7 10 49 46 83 64 68 96 125 154 209 211 232
234 240 268 320 328 352 355 499 531 533 553 555 670 707 816
817 865 896 899 900 947 974 1017 1072 1107 1120 1144 1710 1190
1305 1451 1558 1581 1591 1616 Minerals, rocks, etc. 5 6 9
46 63 86 96 154 155 245 272 273 297 329 334 335 360 553 572
580 625 651 662 695 699 718 744 800 821 835 854 872 877 880
**Map**

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882 893 913 928 958 971 974 1218 1359 Paleontology 268 424
425 431 438 440 530 615 816 817 950 1218 1240 1240c 1359 1591
Zoology 46 Anthropology 1218 1310 1554 Geography, topography 52

**Maps:** 57 58 62 80 251 287 375 376 377 531a 531b 531c 533g 533h
534 687 749 756 978 1154 1194 1202 1390 1478 1526

**B64.**

**Reports:** General 5 7 8 9 64 68 83 125 154 240 268 328 469 531
552 553 670 865 866 899 900 974 1017 1072 1120 1144 1170 1186
1190 1218 1305 1359 1451 1581 Minerals, rocks, etc. 9 11 46 86
138 155 272 273 297 300 359 360 572 580 616 625 651 662 695
698 800 818 821 835 854 882 974 1218 Paleontology 83 268 Zoology 46
Anthropology 1310 Geography, topography 52 670

**Maps:** 58 80 251 375 376 377 533g 534 667 756 976 1150 1202
1390 1478

**B7.**

**Reports:** General 7 68 125 269 321 323 330 531 532 552 553 816
817 865 866 1017 1072 1170 1186 1305 1343 1451 1554 Minerals, rocks,
etc. 297 555 880 913 Paleontology 531 950 1359 Zoology 39 46
722 Botany 46 Anthropology 1218 1333 Geography, topography 52

**Maps:** 49 58 80 280 350 351 531d 558 559 756 1180 1390 1478

**C2.**

**Reports:** General 89 761 762 899 900 950 1072 1110 1120 1160 1170
1218 1280 1451 1503 1616 Minerals, rocks, etc. 273 821 872 1616
Anthropology 1489

**Maps:** 159 314 555 760 1112 1177 1282 1479 1609

**C3.**

**Reports:** General 584 761 762 788 959 1017 1110 1305 1451 1503
1616 Minerals, rocks, etc. 138 616 695 882 Zoology 584 Botany 486
Anthropology 1310 1469

**Maps:** 585 702 760 1112 1282 1300 1479 1609

**C4.**

**Reports:** General 83 216 584 788 923 1017 1110 1616 Minerals, rocks,
etc. 485 580 882 Zoology 584 Botany 486 Anthropology 1310

**Maps:** 585 702 918 1112

**C5.**

**Reports:** General 39 83 84 211 320 352 355 431 460 584 899 900
1107 1451 1581 1616 1642 Minerals, rocks, etc. 297 333 821
Paleontology 39 41 424 425 431 491 564 615 684 712 950 1240
1240c 1642 Zoology 39 584 Botany 486 Anthropology 1310 Geography,
topography 52

**Maps:** 45 58 585 702 725 1534

**C6.**

**Reports:** General 39 211 216 320 352 355 460 584 716 717 899 900
1451 1616 1642 Minerals, rocks, etc. 297 359 616 662 Paleontology
39 41 1642 Zoology 39 584 Botany 486 Anthropology 1310 Geography,
topography 52 Meteorology 216

**Maps:** 45 58 585 766 1534

**C7.**

**Reports:** General 39 68 72 73 101 125 154 216 321 323 330 531
552 553 558 816 817 866 899 900 1017 1170 1451 1581 Minerals,
rocks, etc. 72 297 360 616 662 695 899 900 1072 1107 1451 1581
Paleontology 564 684 1359 Zoology 39 46 584 722 Botany 46 486
Anthropology 1310 Meteorology 216 584

**Maps:** 45 49 58 80 350 531e 558 559 585 756

**C8.**

**Reports:** General 2 3 73 101 114 125 147 154 167 241 291 293 531
552 553 554 816 817 999 1170 1218 1451 1581 Minerals, rocks,
etc. 46 63 155 272 297 744 821 854 880 882 913 Paleontology
424 429 431 432 564 684 712 Zoology 46 584 722 Botany 46
486 Anthropology 1310 Geography, topography 52

**Maps:** 49 58 62 164 165 176 176 182 183 208 232 314j 531k 558
569 586 675 756 1478 1500

**C9.**

**Reports:** General 2 3 11 39 114 154 167 241 256 259 291 293 400
531 584 761 762 816 817 899 900 1107 1120 1218 1451 1581 Minerals,
rocks, etc. 63 156 246 297 335 360 572 580 662 698 821 854 880

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MAP

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D3. Reports: General 216 584 778 788 1305 1503 1616 Minerals, rocks, etc. 616 695 Zoology 584 Botany 216 267 486 Anthropology 1310 Maps: 554 585 702 781 1284 1300

D4. Reports: General 83 84 216 584 788 923 1305 1616 Minerals, rocks, etc. 485 Zoology 216 584 Botany 216 267 486 Anthropology 1310 Meteorology 216 Maps: 228 554 585 702 756 918 1284 1300

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Extractions between the St. Maurice and Batiscan rivers, Quebec. By J. C. K. Laflamme. (B52, B54.)
Notes on occurrences of gas and oil in Quebec. By A. R. C. Selwyn. (B51, B54.)

257. Summary Report for 1888:
Investigations of the Lièvre River phosphate deposits in Ottawa county, Quebec. By E. D. Ingall. (A4.)

258(J). Report on explorations in James bay and country east of Hudson bay, drained by the Big, Great Whale, and Clearwater rivers. By A. P. Low. (D2, E2, E3, F2, F3, G3, G4.) p. 41
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Appendix III. Notes on the breeding habits of certain mammals, from personal observations and enquiries from Indians. By M. Spencer. (E2.)

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320. Summary Report for 1890:
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(321. Summary Report for 1891:
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322. (F). Appendix III. Report on Lepidoptera collected by Dr. R. Bell in the country northward of lake Huron. By H. H. Lyman. (B2.) p. 47

323. (L). Report on the geology and economic minerals of the southern portion of Portneuf, Quebec, and Montmorency counties, province of Quebec. By A. P. Low. (B61 to B64.) p. 47

324. (S). Division of mineral statistics and mines. Annual report for 1890. By E. D. Ingall. (Gold B63; copper A52, A61, A62; silver A62; lead B2; iron A3; manganese B53; barite B4; cement A51; graphite A4; ochre B54; oil A51; phosphate A4; slate A52; sulphur A61; terra cotta A51.) p. 48

325. (S8). Division of mineral statistics and mines. Annual report for 1891. By E. D. Ingall. (Gold A61, B53; silver A62; copper A61, B63; nickel A3; lead B2; iron A3, B53, B54; cement A51; gas A52; graphite A4, B63; ochre B54; oil C9; sulphur A61.) p. 48

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327. Explorations in Charlevoix and Montmorency counties, and the vicinity of lake St. John, Quebec. By J. C. K. Laflamme. (B61, B62, C5, C6.) p. 51

328. (S). Division of mineral statistics and mines. Annual report for 1892. By E. D. Ingall. (Gold B64; copper A61, B63, C7; zinc A3; iron A3, A51, B53, B54; graphite A4; ochre B53; oil C9; phosphate A4; sulphur A61; tripolite B53.) p. 51

329. Notes on the gold of eastern Canada: being a reprint of portions of various reports of the Geological Survey of Canada from 1848 to 1863. With preface by W. E. Logan. (Contains reprints of portions of Nos. 5, 7, 8, 9, 10, and 11.) p. 191

330. Petroleum, its geological relations considered with especial reference to its occurrence in Gaspe, being a report addressed to The Hon. Commissioner of Crown Lands. By T. S. Hunt. (C9.) p. 192
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453. List of Canadian Hepaticm. By W. H. Pearson. (C8, C10.) p. 183

460. 167(D). Report of geological observations in the Saguenay region. By J. C. K. Laflamme. (C8, C6.) p. 30

483. Preliminary lists of the organic remains occurring in the various geological formations comprised in the south-west quarter-sheet map of the Eastern Townships of the province of Quebec. (Appendix to No. 579.) By H. M. Ami. (A51, A52, B53.) p. 53

484. Laurentian area to the north and west of St. Jerome. South-west quarter-sheet map of the Eastern Townships, province of Quebec. By F. D. Adams. (A4, A51, B4, B53.) p. 53

485. Notes on the microscopic structure of some rocks from the Labrador peninsula. (Appendix Y to No. 584.) By W. F. Ferrier. (C4, D4, D10, E3, E4, E6, E11, F8, G5, G7.) p. 55

486. List of the plants known to occur on the coast and in the interior of the Labrador peninsula. (Appendix VI to No. 584.) Compiled by J. M. Macoun. (C3 to C11, D2 to D13, E2 to E13, F2 to F4, F6 to F13, G7, H1 to H7, H9, H10, I9.) p. 55

490. Preliminary lists of the organic remains occurring in the various geological formations comprised in the map of the Ottawa district, including formations in the provinces of Quebec and Ontario, along the Ottawa river. (Appendix to No. 741.) By H. M. Ami. (A4.) p. 63

491. Lower Silurian fossils. (Extracted from the report for 1858 and 1859.) By E. Billings. p. 165
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2. Descriptions of some new species of trilobites from the Lower and Middle Silurian rocks of Canada. (A4, A51, C5, C9.)
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1. Parallelism of the Quebec group. Description of a new species of Harpes. On the spiral coils of Cyrtina, with description of a new species. By E. Billings. (B63.)

2. Description of a new trilobite from the Quebec group. By T. Devine. (B63.)


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2. Revision of the fauna of the Guelph formation of Ontario, with descriptions of a few new species. (A61, C5, C7 to C11.) p. 53

551(M). Report on the surface geology of eastern New Brunswick, northwestern Nova Scotia, and a portion of Prince Edward Island, to accompany sheet maps, No. 2 S.E., No. 5 S.W., and No. 4 N.W. By R. Chalmers. (C11.)

572. Division of mineral statistics and mines. Annual report for 1893 & 1894. By E. D. Ingall. (Gold B64; copper A61; lead A3; zinc B3; iron A9, B63, F8, G7; chromite B63; tripolite B53; mica A4, A5, B4, B51; oil C9; phosphate A4.) p. 53


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583. Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By N. J. Giroux. (A4.)

584. 617(L). Report on explorations in the Labrador peninsula, along the Eastmain, Koksoak, Hamilton, Manikuan, and portions of other rivers in 1892-93-94-95. By A. P. Low. (C7 to C11, D2 to D13, E2 to E13, F2, F3, F4, F6 to F13, G7, H1 to H7, H9, H10, I7.) p. 55

Appendix I. List of Mammalia of the Labrador peninsula, with short notes on their distribution, etc. By A. P. Low. (Same subdivisions as the report.)

Appendix II. List of birds of the interior of the Labrador peninsula, [By A. P. Low.] (Same subdivisions as the report.)

Appendix III. List of the principal food fishes of the Labrador peninsula, with short notes on their distribution. [By A. P. Low.] (Same subdivisions as the report.)

Appendix IV. List of insects collected in the interior of the Labrador peninsula, 1894. Determined by J. Fletcher. (Same subdivisions as the report.)

Appendix VII. Meteorological observations in the Labrador peninsula, 1893-94 and 1895. By D. I. V. Eaton. (C7, D7, D9, D10, E6, E7, E9, E10, E11, F6 to F13, G7, H7, H8, H9, I9.)

4. The fossils of the Galena-Trenton and Black River formations of lake Winnipeg and its vicinity. (A3, A51, A52, B2, B63, C6, C9, C10.)


625. 651. 657. 662. 670. 672. 680. 684.

628(S). Section of mineral statistics and mines. Annual report for 1896. By E. D. Ingall. (Gold A52, A61, B64; iron A3, A52, B52; manganese A52; asbestos A4, A52, B63; graphite A4; magnesite A52, B63; mica A4; mineral water B54; sulphur A61.) p. 57


657. 658(L). Report on a traverse of the northern part of the Labrador peninsula from Richmond gulf to Ungava bay. By A. P. Low. (G3 to G7, H7.)

662. 679(S). Section of mineral statistics and mines. Annual report for 1897. By E. D. Ingall. (Gold B64; silver A3, B2; lead A3, A4, A51, A52, A61, B2, B63, B64, C7, C9; copper A61; zinc A5; chromite A52, A61, B63; antimony A61; asbestos A5, B2, B64, C9; barite A4, C6; flagstone A61; gypsum C11; mica A3, A4, B3, B4; mineral water B54; moulding sand B54; ochre A3, A4, A52, B53, B54, B62, C6, C7; oil C9; slate A52; soapstone A4, A52, A61; sulphur A61.) p. 59


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Appendix II. Levels of gold workings, Gilbert river, Chaudière district, Quebec. Compiled by E. D. Ingall. (B64.)

Appendix III. Notes on the chainage and levels of the Gilbert river, St. François, Beauce county, Quebec. By A. Lockwood. (B64.)

672. 679(I). Report on the geology and natural resources of the area included by the Nipissing and Timiskaming map-sheets, comprising portions of the district of Nipissing, Ontario, and of the county of Fontaine, Quebec. By A. E. Barlow. (B2.) p. 58

Appendix I. List of elevations. [By A. E. Barlow.] (B2.)

Appendix II. On some Cambro-Silurian and Silurian fossils from lake Timiskaming, lake Nipissing, and Mattawa outliers. By H. M. Ami. (B2.)

680. 715(L). Report on an exploration of part of the south shore of Hudson strait and of Ungava bay. By A. P. Low. (H7, H8, H9, I5, I6, I7.) p. 61


690. Summary Report for 1899: pp. 62, 63

691. Work in the area of the Ottawa and Cornwall sheet (map No. 903), Ontario and Quebec. By R. W. Ells. (A4.)


698. 715(S). Section of mineral statistics and mines. Annual report for 1898. By E. D. Ingall. (Gold B64; copper A61, B63; iron A3; asbestos A4, A52, B63; feldspar A4; gas B64; graphite A4; mineral water B64; ochre A4, B64; oil C9; sulphur A61.) p. 61


Appendix I. Notes on the Pleistocene marine shore-lines and landslips of the north side of the St. Lawrence valley. By R. Chalmers. (A4, A51, B53, B54, B63.)

Appendix II. List of plants collected in Hudson strait by Dr. Robert Bell in 1897. The phanerogams determined by J. M. Macoun, the cryptogams by John Macoun. (I5.)

Summary Report for 1900: pp. 65, 66

Notes on tests of mica by W. R. Duncan, and of molybdenite by J. B. Porter. By G. M. Dawson. (Mica A4; molybdenite B3.)

Discovery of salt near St. Gregoire, Nicolet county, Quebec. By G. M. Dawson. (B54.)

Note: The statement made that St. Gregoire is in Beauce county is an error.

Work in the Lake St. John district, Quebec. By G. A. Young. (C6.)


Report on the geology and natural resources of the area included in the map of the city of Ottawa and vicinity. By R. W. Ellis. (A4, B4.) p. 64

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Report on the section of mines. Annual report for 1900. By E. D. Ingall. (Silver A61; copper A61, B63; iron B54; barite A4; graphite A4; oolite B54; sulphur A61.) p. 64


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[x] Western part of the Abitibi region. By W. J. Wilson. (C2.)

[xi] Eastern part of the Abitibi region. By J. F. E. Johnston. (B2, C2, C3.)

[xvii] Petrography of Shefford and Brome mountains. By J. A. Dresser. (A52.)


[xxvii] Artesian wells, paleontology, archeology, bibliographies, etc. Work by H. M. Ami. (B54.)

Notes on certain Archaean rocks of the Ottawa valley. (Includes observations on the occurrence of apatite and mica north of Ottawa, and on two Canadian occurrences of graphite.) By A. Osann. (A4.) p. 64

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Report on the geology of the basin of Nottaway river, with a map of the region, 1900. By R. Bell. (B3, C3, C4, D2, D3, D4.) p. 67
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[A] Roofing slate of the Melbourne region, Eastern Townships, Quebec. By R. Bell. (A52.)


[xi] Appendix (to [x]). Analyses of rocks from Brome mountain. Analyses by M. F. Connor, petrographical descriptions by J. A. Dresser. (A52.)

[xii] Palaeontology and chronological geology. By H. M. Ami. (B63, B7, C7, C8.)


Section of mines. Mineral resources of Canada. Bulletin No. 1. Platinum. (By T. C. Denis.) (B04.) p. 211

830(DD). Report on the geology and physical character of the Nastapoka islands, Hudson bay. By A. P. Low. (G3.) p. 66


911(S). Section of mines. Annual report for 1902. By E. D. Ingall. (Gold B64; copper A61; zinc A3; manganese A52, B63, B64, B7, C11, G3; asbestos A4, B63; barite A4; phosphate A4; sulphur A61; tripolite B53, B54, B63.)

See also reprints Nos. 857 (Tripolite), 858 (Manganese), and 860 (Zinc).


907(O). The artesian and other deep wells on the island of Montreal. By F. D. Adams and O. E. LeRoy. (A51.) p. 70

Summary Report for 1903: pp. 73, 75


[xi] Surface geology of the southern part of the province of Quebec. By R. Chalmers. (A3, A4, A51, A52, A61, B3, B53, B63, B64, B7, C7.)


952(H). The geology and petrography of mount Yamaska, province of Quebec. By G. A. Young. (A52.) p. 79

952(S). Section of mines. Annual report for 1903. By E. D. Ingall. (Silver A61; antimony A61; chromite B63; asbestos A52, B63; barite A4; feldspar A4; ochre B54.) p. 79
Summary Report for 1904:

[ix] The government expedition to Hudson bay and northward by the S.S. Neptune, 1903-04. Geology and Natural History. By A. P. Low. (H19, I9, J3, J4, J5.)

[x] Survey of the south and west coast of James bay. By O. O'Sullivan. (D2.)

[xii] The geology of a district from lake Timiskaming northward. By W. A. Parks. (B2, C2.)


[xxii] Surface geology of eastern Quebec. By R. Chalmers. (C5 to C9.)

[xxiii] The copper-bearing rocks of the Sherbrooke district, P.Q. By J. A. Dresser. (A52, A61, B63, B64.)

[xxiv] Botanical work. By J. M. Macoun. (B53.)

902. 052(G). Report on the geology of Brome mountain, Quebec. By J. A. Dresser. (A52.) p. 79

Report on the Dominion Government Expedition to Hudson bay and the Arctic islands on board the D.G.S. Neptune, 1903-1904. By A. P. Low. (H10, I5 to I9, J3, J4, J5.) p. 192

Appendix I. Meteorological observations taken on board Dominion Government steamer Neptune. By C. F. King, L. E. Borden, and G. B. Caldwell. (F12, G10, H10, I9, J3.)

Appendix II. List of birds and eggs identified or collected on the voyage of the Neptune to Hudson bay and northward. By A. P. Low, A. Halkett, John Macoun, and C. W. G. Eifrig. (I9, J3.)

Appendix III. List of plants collected in 1904 during the cruise of the Neptune by L. E. Borden. By J. M. Macoun. (I5, I9.)

Appendix IV:

Preliminary list of organic remains from loose blocks of limestone, Cape Chidley. By H. M. Ami. (I9.)


923. Geological report on the Chibougamau mining region in the northern part of the province of Quebec. By A. P. Low. (C4, D4, D5.) p. 107

928. Section of mines. Annual report for 1904. By E. D. Ingall. (Copper A61; chromite B63; asbestos A62, B63; barite A4; ochre B54; sulphur A61.) p. 107

947. Summary Report for 1905:

[xx] Geology of parts of the counties of Labelle and Wright, Quebec. By E. Haycock. (A4.)

[xxi] St. Brune mountain. (Includes notes on occurrences of copper ore in Wolfe, Athabaska, and Megantic counties, Quebec.) By J. A. Dresser. (A51, A61, B63.)


5. The fossils of the Silurian (Upper Silurian) rocks of Keewatin, Manitoba, the northeastern shore of lake Winnipegosis, and the lower Saskatchewan river.

A. From Keewatin:

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A2. From the Ekwan river. Collected by Mr. D. B. Dowling in 1901. (B7, C9, C10, C11.)

A3. From Sutton Mill lakes. From the cliff of limestone on the small island in the northern lake. Collected by Mr. D. B. Dowling in 1901. (B61.)

A4. From the Winisk river. Collected by Mr. W. McInnes in 1903. (C10.)
6. The Canadian species of *Plectoceras* and *Barrandeoceras*. (A4, A51, B63, D10.)

7. Illustrations of seven species of fossils from the Cambrian, Cambro-Silurian, and Devonian rocks of Canada. 
   B. From the Cambro-Silurian rocks of Quebec and Ontario: 
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953. The barytes deposits of lake Ainslie and North Cheticamp, N.S., with notes on the production, manufacture, and uses of barytes in Canada. (Contains also notes on occurrences of strontianite.) By H. S. Poole. (A4, C9.) p. 210

954. Notes on the fossil corals collected by Mr. A. P. Low at Beechy island, Southampton island, and cape Chidley, in 1904. (From Appendix IV to No. 905.) By L. M. Lambe. (B9.) p. 174


959. Summary Report for 1906:
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   [xvi] On explorations along the proposed line of the Transcontinental railway from lake Abitibi, eastward. By W. J. Wilson. (C2, C3.)
   [xxi] Mines section. By E. D. Ingall. (Copper A52, A61; sulphur A61.) p. 82

962. Second edition of No. 672. p. 111

971. Section of mines. Annual report on the mineral industries of Canada for 1905. By E. D. Ingall. (Silver A61; copper A61; chromite B63; asbestos A52, B63; flagstone A61; granite A4, A51, A52, A62, B54; ochre B54; phosphate A4; slate A52; sulphur A61.) p. 107


977. Report on the geology and natural resources of the area included in the northwest quarter-sheet, number 122, of the Ontario and Quebec series, comprising portions of the counties of Pontiac, Carleton, and Renfrew. By R. W. Ells. (A3, A4, B3, B4.) p. 108

Appendix. Preliminary lists of organic remains from the Chazy, Black River, Trenton, and Pleistocene formations comprised within the area of the Pembroke sheet (No. 122). By H. M. Ami. (A3.)

1017. Summary Report for 1907:
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   [xi] An area from lake Timiskaming eastward. By M. E. Wilson. (B2.)
   [xii] Report on the district along the National Transcontinental railway from Bell river eastward. By W. J. Wilson. (C3, C4.)
   [xiii] Explorations along the National Transcontinental Railway location from La Tuque westward. By O. O’Sullivan. (B4, B51, B52.)
   [xiv] Surface geology of the St. Lawrence valley. By R. Chalmers. (A4, A51, A62, B54, B61 to B64, B7, C7.)

1021. Summary report on explorations in Nova Scotia, 1907. By H. Fletcher. (B7.) p. 89


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1064. Geology of an area adjoining the east side of lake Timiskaming, Quebec. By M. E. Wilson. (B2.) p. 114

1072. Summary Report for 1908:
[xviii] Lake Opasatika and the height of land. By M. E. Wilson. (B2, C2.)
[xix] A geological reconnaissance along the National Transcontinental railway from the St. Lawrence river to the Interprovincial boundary between Quebec and New Brunswick. By J. A. Dresser. (B62, B63, B64, B7.)
[xxii] Southern part of Kings and eastern part of Lunenburg counties, N. S. (Contains also a short note on the gold of Marsboro, Quebec.) By E. R. Faribault. (A62.)

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[xviii] Oil-shales of eastern Canada. By R. W. Ellis. (C9.)


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[xxi] Raised beaches of southern Quebec. By J. W. Goldthwait. (A4, A51, A52, A61, B62, B63, B64, B7, C7, C8.)
[xxvi] Section of mineralogy. By R. A. A. Johnston. (A4.)
[xxvii] Invertebrate palæontology. By P. E. Raymond. (A4, A51.)

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[xvii] I. Notes on tests of clay samples. By J. Keele. (B63, B64.)

II. Report on progress of investigation of clay resources. By J. Keele. (A81, B64.)

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[xxxi] An exploration of the headwaters of the Broadback or Little Nottaway river, northwestern Quebec. By H. C. Cooke. (D3, D4.)

[xxxi] The Trenton group in Ontario and Quebec. By P. E. Raymond. (A51, B63.)

[xxviii] Investigation of clay resources of Quebec. By J. Keele. (A51, B54, B62, B63, B64.)


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[xxx] Report [paleontological; on the work of the year]. By L. D. Burling. (A52, B63, B7, C7, C9.)

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QUEBEC.

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Note: The Geological Survey prepared a map, which is first noted in the list of publications of the Geological Survey of Canada for 1884, as "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 an inch." It is the geographical basis for maps Nos. 251, 375, 571, and 665. Two editions of it have been published, by permission of the Director, from transfers from the original plates, one by Walker & Miles in 1876, and the other by Dawson Bros. in 1886. See also Report of Progress for 1874-75, pp. 6-7.

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661. 679(M). The mineral resources of the province of New Brunswick. By L. W. Bailey. (A1 to A4, B1 to B4, C1 to C4.) p. 59

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2. Revision of the fauna of the Guelph formation of Ontario, with descriptions of a few new species. (C4.)
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572. 581(S). Division of mineral statistics and mines. Annual report for 1893 & 1894. By E. D. Ingall. (Gold B1 to B4; C3, C4, C5; copper D6; coal C2, C4, D5, D6.) p. 53


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583. Notes on some Silurian rocks previously supposed to be of Cambro-Silurian age, and on various minerals, Antigonish and Pictou counties, Nova Scotia. By H. Fletcher. (C4.) Work in the area covered by maps Nos. 635, 700, 807, 908, 1005, 1019, 1025, and plans Nos. 642, 666, 701, 709, 721, 740, 756, 768, Halifax and Hants counties, Nova Scotia. By E. R. Faribault. (B3, C3.)


613. Summary Report for 1896:

614. Notes on the copper mine at George river, Cape Breton co.; insular earth at St. Ann's, Victoria co., and Castleragg, Cumberland co.; and graphitic shales near Christmas neck, Cape Breton co., Nova Scotia. By H. Fletcher. (C6, D6.) Work in the area covered by maps Nos. 1019 and 1025, map-sheet No. 88 (not yet published), and plans Nos. 721, 740, and 768, Halifax and Hants counties, Nova Scotia. By E. R. Faribault. (B2, B3.)


625. 658(S). Section of mineral statistics and mines. Annual report for 1896. By E. D. Ingall. (Gold B1 to B4, C3, C4, C5; iron B2, C4; manganese B3, B4, C3, C6; coal C2, C4, D5, D6; graphite C6; grindstones C2; gypsum B2, C2, C6, D5, D6; tripolite C3.) p. 57


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Work, chiefly botanical, in Cape Breton island, Nova Scotia. By John Macoun. (C5, C6, D6.)

Descriptive note on the Sydney coal-field, Cape Breton, Nova Scotia. By H. Fletcher. (D6.)

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Work in the area covered by maps Nos. 592, 1005, 1025, 1037, and plans Nos. 647, 701, 709, 766, Hants and Halifax counties, Nova Scotia. By E. R. Faribault. (B2, B3, B4, C2, C3.)


The fauna and flora of Sable island. By John Macoun. (Sable island.)

Section of mineral statistics and mines. Annual report for 1898. By E. D. Ingall. (Gold B1 to B4, C4; manganese B2; antimony C3; barite D5; coal C2, C4, C5, D5, D6; gypsum C2, C5, D6.)


Summary Report for 1900:

Work in the Springhill, Inverness, and Sydney coal-fields, with notes on the Doctor Brook iron mines, Antigonish county, Nova Scotia. By H. Fletcher. (C2, C4, C5, D5, D6.)

Notes on the geological formations at Arisaig, Antigonish county, Nova Scotia. By H. M. Ami. (C4.)

Notes on insects collected by Professor John Macoun from Sable island, off Nova Scotia. By J. Fletcher. (Sable island.)

Section of mineral statistics and mines. Annual report for 1899. By E. D. Ingall. (Gold A1, B1 to B4, C3, C4, C5; iron C4; copper B2; coal C2, C4, D5, D6.)

Catalogue of the marine Invertebrata of Eastern Canada. By J. F. Whiteaves. (A1, B1 to B4, C2 to C6, D5, D6, and Sable island.)

Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (C3 to C6, D6.)

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Summary Report for 1901:


[xxv] Cambrian rocks and fossils of Cape Breton. By G. F. Matthew. (C6, D6.)

[xxvi] Mapping and engraving. (Includes notes on a line run along the Intercolonial and Dominion Atlantic railways from Bedford basin to Hantsport, Nova Scotia.) By C. O. Senécal. (B2, B3, C2.)

[xxvii] Artesian wells, palaeontology, archaeology, bibliographies, etc. Work by H. M. Ami. (C4.)

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907(S). Section of mines. Annual report for 1901. By E. D. Ingall. (Gold B2, B3, B4, C3, C4, C5; barite C3, D5; coal C2, C4, D5, D6; fire-clay D6; graphite B2; grindstones C2, C4; tripolite C3, D6.) p. 70

830(MM). Report on the coal prospects of New Brunswick. By H. S. Poole. (C2, C3, D5, D6.) p. 67

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[xxvi] The Carboniferous rocks of Chignecto bay. By H. S. Poole. (C2.)

[xxviii] Surveys and explorations in Richmond, Cape Breton, Kings, Cumberland, and other counties of Nova Scotia. By H. Fletcher. (B2, C2 to C6, D6.)


830(R). Report of the section of chemistry and mineralogy. By G. C. Hoffmann. (B1, B2, C5, C6, D5, D6.) p. 67

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893. 952(S). Section of mines. Annual report for 1903. By E. D. Ingall. (Gold B1 to B4, C3, C4, C5; iron C3; antimony C3; barite D6; coal C2, C4, D5, D6; grindstones C2, C4; tripolite C3, D6.) p. 73

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[xxx] Mapping and engraving. (Includes notes on traverse lines run between Port George and Bridgewater and between Middleton junction and Hantsport, Nova Scotia.) By C. O. Senecal. (B1, B2, C2.)


913. The mineral pigments of Canada. By C. W. Willimott. (B2, B3, C2 to C6.) p. 211

928. Section of Mines. Annual report for 1904. By E. D. Ingall. (Gold A1, B1 to B4, C3, C4, C5; iron B2, C3; antimony C3; barite D6; coal C2, C4, D5, D6.) p. 107

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971. Section of mines. Annual report on the mineral industries of Canada for 1905. By E. D. Ingall. (Gold B1 to B4, C3, C4, C5; iron B2, B3; manganese C3; antimony C3; barite D5; coal C2, C4, D5, D6; fireclay C4; granite A1, B1, B3, C5; grindstones C2, C4; tripolite C3, D6.) p. 107

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[xx] Section of mineralogy. By R. A. A. Johnston. (B2.)

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PART XVIII.

PUBLICATIONS ARRANGED ACCORDING TO AUTHORS.

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357. Preliminary report on the geology of a portion of central Ontario situated in the counties of Victoria, Peterborough, and Hastings, together with the results of an examination of certain ore deposits occurring in the region. (Part J, Annual Report, 1892-93.)


Summary of work in the Haliburton and Bancroft map-areas (maps Nos. 708 and 770), Ontario. (With A. E. Barlow. In part A, Annual Report 1896.)

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Systematic list of fossils, with localities as referred to in this report, exclusive of those species obtained in the limestone conglomerate bands. (Appendix to part K, Annual Report, 1897-88.)

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483. Preliminary lists of the organic remains occurring in the various geological formations comprised in the south-west quarter-sheet map of the Eastern Townships of the province of Quebec. (Appendix to part J, Annual Report, 1894.)

Notes on work in Nova Scotia. (Whiteway, in part A, Annual Report, 1897.)

On some Cambro-Silurian and Silurian fossils from lake Timiskaming, lake Nipissing, and Mattawa outliers. (Appendix II to part I, Annual Report, 1897. Also with second edition No. 962.)

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Preliminary list of the fossils collected by Professor L. W. Bailey from various localities in the province of New Brunswick during 1904. (Appendix to summary report by L. W. Bailey in part A, Annual Report, 1904.) See also No. 493.

Notes on a collection of organic remains from the ferruginous and friable shales of Messenger brook, Torbrook, near county-line between Kings and Annapolis, south of Kingston, in King's county, Nova Scotia, collected Nov. 24th, 1902, by Hugh Fletcher. (Appendix II to part A, Annual Report, 1904.) See also No. 493.

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Preliminary lists of the species of organic remains from blocks of limestone from Southampton island. (In Appendix IV to No. 905.)

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Preliminary lists of organic remains from the Chazy, Black River, Trenton, and Pleistocene formations comprised within the area of the Pembroke sheet (No. 122) [Ont. and Que.] (Appendix IV to No. 977.)

Invertebrate palaeontology. (Summary of the work of the year, including field-work: No. [xxvi], Summary Report, 1908.)

Anderson, Rudolph Martin

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1. Fossils of the Calcareous sandrock, including those of a deposit of white limestone at Mingan, supposed to belong to the formation.
2. Descriptions of new species of trilobites from the Lower and Middle Silurian rocks of Canada.
3. Fossils of the Chazy limestone, with descriptions of new species.
1. Parallelism of the Quebec group. Description of a new species of Harpae. On the spiral coils of Cyrtina, with description of a new species. 3. On the remains of the fossil elephant found in Canada. (Articles 1 and 3, in No. 530.)

431.
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427.
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2. On some new species of fossils from the Primordial rocks of Newfoundland.
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220. Preliminary report on the surface geology of New Brunswick. (Part GG, Annual Report, 1885.)

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298. Report on the surface geology of southern New Brunswick to accompany quarter-sheet maps 1 S.W., 1 S.E., and 1 N.E. [Nos. 317, 318, and 319]. (Part N, Annual Report, 1888-89.)

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566. Report on the surface geology of eastern New Brunswick, north-western Nova Scotia, and a portion of Prince Edward Island, to accompany ½ sheet maps, No. 2 S.E., No. 5 S.W., and No. 4 N.W. (Part M, Annual Report, 1894.)

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1660. Memoir No. 96. Sooke and Duncan map-areas, Vancouver Island, with sections on the Sicker series and the gabbros of East Sooke and Rocky point. (With H. C. Cooke.)

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Meteorological observations at Laketon, Dease lake, B.C., during portions of the years 1878 to 1882. (No. 3, Appendix VI to part B, Annual Report, 1887-88.)

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The Lake Superior region between the Pic and Nipigon rivers. (No. [xiv], Summary Report, 1905.)

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Cope, Edward Drinker

214. The *Vertebrata* of the Swift Current Creek region of the Cypress hills. (Appendix I to part C, Annual Report, 1885.)

446. Contributions to Canadian paleontology, volume III (quarto), part I. On *Vertebrata* from the Tertiary and Cretaceous rocks of the North West Territory. I. The species from the Oligocene or Lower Miocene beds of the Cypress hills.

Coste, Eugène


Summary of investigations in the gold and iron-bearing region in Hastings and Peterborough counties, Ontario, and in the Eastern Townships, Quebec. (Partly summarized by Selwyn. In part A (for 1884), Annual Report, 1885.)

- Summary of work in Hastings, Peterborough, and Victoria counties, Ontario. (In part A (for 1886), Annual Report, 1886.)

221. Observations on mining laws and mining in Canada, with suggestions for the better development of the mineral resources of the Dominion. (Part K, Annual Report, 1885.)

Summary of work in the areas of sheet 113 (not published) and the detailed map of the Madoc and Marmora mining district, Hastings, Northumberland, Durham, Peterborough, and Victoria counties, Ontario. (Partly summarized by Selwyn. In part A, Annual Report, 1886.)

245. Statistical report on the production, value, exports and imports of minerals in Canada during the year 1886 and previous years. (Part S, Annual Report, 1886.)

Notes on gas and oil in Ontario. (In part A (for 1888), Annual Report, 1887-88.)

415. Summary of the mineral production of Canada for 1887. (Brief statement, issued in advance and subject to revision.)


416. Summary of the mineral production of Canada for 1888. (Brief statement, issued in advance and subject to revision.)

Cumming, Charles Linnaeus

1485. Memoir No. 72. The artesian wells of Montreal.

Cunningham, A. R.

Meteorological observations on James bay in 1887, by A. R. Cunningham, and on the east coast of Hudson bay in 1888, by C. H. Macnutt. (Appendix IV to part J, Annual Report, 1887-88.)

Dall, William Healey


1240. Museum Bulletin No. 1. XIV. New species of mollusks from the Atlantic and Pacific coasts of Canada. (With P. Bartsch.) See also No. 1240h.

Daly, Reginald Aldworth

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Geology of the western part of the International boundary (49th parallel). (No. [vi], Summary Report, 1902.)

Geology of the International boundary. (No. [v], Summary Report, 1903.)

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1463. Memoir No. 68. A geological reconnaissance between Golden and Kamloops, B.C., along the Canadian Pacific railway.
Introduction to the geology of the Cordillera. (Guide Book No. 8, part II.) Annotated guide, Golden to Savona [B.C.]. (Guide Book No. 8, part II.)

Dawson, George Mercer (See also in Appendix.)
Report on explorations in British Columbia. (Report of Progress, 1875-76.)
Report on explorations in British Columbia, chiefly in the basins of the Blackwater, Salmon, and Nechako rivers, and on Francois lake. (Report of Progress, 1876-77.)

Report of a reconnaissance of Leech river and vicinity. (Made in April 1876.) (Report of Progress, 1876-77.)

115. General note on the mines and minerals of economic value of British Columbia, with a list of localities. (Reprinted, with additions and alterations, from the Canadian Pacific Railway report, 1877.) (Report of Progress 1876-77.)

Preliminary report on the physical and geological features of the southern portion of the interior of British Columbia, 1877. (Part B, Report of Progress, 1877-78.)


On the Lignite Tertiary formation from the Souris river to the 108th meridian. (Appendix I to part A, Report of Progress, 1879-80.)

Report on an exploration from Port 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, 1879. (Part B, Report of Progress, 1879-80.)

Note on the distribution of some of the more important trees of British Columbia. (Report of Progress, 1879-80.)

Summary of explorations in the region extending from the forty-ninth parallel to the Bow river, and from the Rocky mountains eastward to the 111th meridian. (In director's summary (for 1881), Report of Progress, 1880-82.)


410. Descriptive sketch of the physical geography and geology of the Dominion of Canada. (With A. R. C. Selwyn.)

454. Comparative vocabularies of the Indian tribes of British Columbia. (With W. F. Tolmie.)

Summary of explorations south of latitude 51° 30' in portions of southern Alberta and the eastern and western slopes of the Rocky mountains. (Selwyn, in director's summary report (for 1883), Annual Report, 1882-84.)

Report on the region in the vicinity of the Bow and Belly rivers, North West Territory; embracing the country from the base of the Rocky mountains eastward to long. 110° 45', and from the 49th parallel northward to latitude 51° 20'. (With R. G. McConnell. Part C, Report of Progress, 1882-84.) See also No. 475.

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212. Preliminary report on the physical and geological features of that portion of the Rocky mountains between latitudes 49° and 51° 30'. (Part B, Annual Report, 1886.)
235. Report on a geological examination of the northern part of Vancouver island and adjacent coasts. (Part B, Annual Report, 1886.)

244. Notes to accompany a geological map of the northern portion of the Dominion of Canada, east of the Rocky mountains. (Part B, Annual Report, 1886.)

Summary of explorations in Yukon Territory and the adjacent northern portion of British Columbia. (In Part A (for 1887), Annual Report, 1887-88.)

Summary of explorations in part of the southern interior of British Columbia. (In part A (for 1888), Annual Report, 1887-88.)


See also No. 261, and No. 629.

271. The mineral wealth of British Columbia, with an annotated list of localities of minerals of economic value. (Part B, Annual Report, 1887-88.)

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Summary of work in the areas of the Kamloops and Shuswap sheets (maps Nos. 556, 557, and 604, 669), British Columbia. (In part A (for 1890), Annual Report, 1890-91.)

445. Dawson, John William (Sir) (See also in Appendix.)


Note on the fossil plants from British Columbia collected by James Richardson in 1872. (Appendix I to report by J. Richardson, Report of Progress, 1872-73.)

Report on the fossil plants of the Lower Carboniferous and Millstone Grit formations of Canada.

Fossil plants from Mackenzie river. (Selwyn in director's summary report, Report of Progress, 1874-75.)

List of Tertiary plants from localities in the southern part of British Columbia, with the description of a new species of Equisetum. (Appendix B to part B, Report of Progress, 1877-78.)

Note on fossil plants collected by Dr. Selwyn, in the Lignite Tertiary formation of Roche Percée, Souris river. (Appendix II to part A, Report of Progress, 1879-80.)
The fossil plants of the Erian (Devonian) and Upper Silurian formations of Canada. Part II.

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Notes on the latitudes and longitudes adopted in the construction of the map of the Queen Charlotte islands. (With H. J. Bovey. Appendix G to part B, Report of Progress, 1878-79.)

Denis, Théophile Constant
The coal fields of Canada. (In part S, Annual Report, 1898.)
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Remarks on the oil industry of Ontario. (In part S, Annual Report, 1898.)
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Western oil, gas, and coal fields. (No. [xxii], Summary Report, 1906.)
Notes on work in Hastings county, Ontario, and on an investigation of natural gas at St. Joseph de Piereville, Que. (Brock, in part A, Summary Report, 1907.)

Devine, Thomas
Description of a new trilobite from the Quebec group. (Article 2, in No. 530.)

Dittmar, William
Analysis of the waters of Hayes and Nelson rivers. (Appendix V to part C, Report of Progress, 1879-80.)

Dittrich, Max
Table of chemical analyses [of rocks collected during the survey of the International boundary]. (With M. F. Connor. Appendix A, Memoir No. 38, part II.)

Dobbs, Whiteford Stewart
The region south of cape Tatnám, Hudson bay. (No. [xii], Summary Report, 1905.)

Dodge, Charles Keéne
1366. Memoir No. 54. Annotated list of flowering plants and ferns of Point Pelee, Ont., and neighbouring districts.

Dowling, Donaldson Bogart (See also in Appendix.)
Summary of work on lake Winnipeg. (In part AA (for 1891), Annual Report, 1890-91.)
Summary of explorations, Athabaska river to Reindeer lake. (In part A (for 1892), Annual Report, 1892-93.)
Summary of explorations in the Red Lake district, Ontario. (In part AA (for 1893), Annual Report, 1892-93.)
578. Report on the country in the vicinity of Red lake and part of the basin of Berens river, Keewatin. (Part F, Annual Report, 1894.)

601. Report on the country between Athabaska lake and Churchill river, with notes on two routes travelled between the Churchill and Saskatchewan rivers. (With J. B. Tyrrell. Part D, Annual Report, 1895.)

Summary of work on a survey and geological examination of lake Nipigon, Ontario. (In part A, Annual Report, 1898.)


Summary of explorations in the Grass River district, Saskatchewan. (In part A, Annual Report, 1899.)

638. General index to the Reports of Progress, 1863 to 1884.

787. Report on geological explorations in Athabaska, Saskatchewan, and Keewatin districts, including Moose lake and the route from Cumberland lake to the Churchill river and the upper parts of Burntwood and Grass rivers. (Part FF, Annual Report, 1900.)

815. The west side of James bay. (In part A, Annual Report, 1901.)

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Eastern Assiniboia and southern Manitoba. [Coal-mining; brick, cement, and plaster industries.] (In part A (for 1902), Annual Report, 1902-03.)

Notes to accompany a contoured plan of the lower slope of Turtle mountain, Manitoba. (In part A (for 1902), Annual Report, 1902-03.)


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The Cascade and Costigan coal basins and their continuation northward. (In part A, Annual Report, 1904.)

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Rocky Mountain coal areas, between the Bow and Yellowhead passes. (No. [viii], Summary Report, 1906.)


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Steam coals of the Cascade basin. Lignite areas of Alberta and Saskatchewan. Production of coal in Alberta and Saskatchewan. (No. [x], Summary Report, 1908.)

1035. The coal fields of Manitoba, Saskatchewan, Alberta, and eastern British Columbia. See also No. 1363.

Coal fields south of the Grand Trunk Pacific railway, in the foothills of the Rocky mountains, Alberta. (No. [xii], Summary Report, 1908.)

1115. Memoir No. 8. The Edmonton coal field, Alberta.

Coal fields of Jasper park, Alberta. (No. [xii], Summary Report, 1910.)

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Winnipeg to Bankhead. (Guide Book No. 8, part I.)

Dunmore to Burmis [Alberta]. (Guide Book No. 9.)

Calgary, Alberta, to Winnipeg, Manitoba, via Grand Trunk Pacific railway. (Guide Book No. 9.)
1357. Memoir No. 52. Geological notes to accompany map of Sheep River gas and oil field, Alberta.

1363. Memoir No. 53. Coal fields of Manitoba, Saskatchewan, Alberta, and eastern British Columbia. (Revised edition of report No. 1035.)
Coal areas in Flathead valley, B.C. (No. [xiv], Summary Report, 1913.)
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North Saskatchewan River coal areas, Alberta. (No. [xvi], Summary Report, 1913.)


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Water supply, southeastern Alberta. (No. [xii], Summary Report, 1915.)
Memoir No. 93. The southern plains of Alberta.

Dresser, John Alexander
Summary of work on the geology of Shefford mountain, Quebec. (In part A, Annual Report, 1898.)
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Petrography of Shefford and Brome mountains. (In part A, Summary Report, 1901.)

776. Report on the geology and petrography of Shefford mountain, Quebec. (Part L, Annual Report, 1900.)
An investigation of the copper-bearing rocks of the Eastern Townships, province of Quebec. (In part A (for 1902), Annual Report, 1902-03.)
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902. Report on the geology of Brome mountain, Quebec. (Part G, Annual Report, 1904.)
St. Bruno mountain [Quebec]. (Contains also notes on copper deposits in Wolfe, Arthabaska, and Megantic counties.) (No. [xxi], Summary Report, 1905.)
The serpentine belt of the Eastern Townships [Quebec]. (No. [xv], Summary Report, 1907.)

974. Report on the copper deposits of the Eastern Townships of Quebec, with a review of the igneous rocks of the district.

1028. Report on a recent discovery of gold near lake Megantic, Quebec.
A geological reconnaissance along the National Transcontinental railway from the St. Lawrence river to the Interprovincial boundary between Quebec and New Brunswick. (No. [xx], Summary Report, 1908.)

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Serpentine belt of southern Quebec. (Includes a note on natural gas at St. Hyacinthe.) (No. [xx], Summary Report, 1910.)

1186. Memoir No. 35. Reconnaissance along the National Transcontinental railway in southern Quebec.

1190. Memoir No. 22. Preliminary report on the serpentine and associated rocks of southern Quebec.
The district southeast of and adjoining lake St. John, Quebec. (No. [xxix], Summary Report, 1915.)
Memoir No. 92. Part of the district of Lake St. John, Quebec.

Drysdale, Charles Wales

Franklin mining camp, West Kootenay, B.C. (No. [viii], Summary Report, 1911.)

Geology of the Thompson River valley below Kamloops lake, B.C. (No. [x], Summary Report, 1912.) See also No. 1305a.

Western part of the belt of interior plateaus (Savona to Lytton). (Guide Book No. 8, part II.)

Rossland Mining camp, B.C. (No. [xii], Summary Report, 1913.)

Memoir No. 56. Geology of Franklin mining camp, British Columbia.

Ymir mining camp, West Kootenay district, British Columbia. (No. [iii], Summary Report, 1914.)

Memoir No. 77. Geology and ore deposits of Rossland, British Columbia.

Bridge River map-area, Lillooet mining division.—Highland Valley copper camp, Ashcroft mining division.—Human skeleton from silt bed near Savona, British Columbia. (No. [v], Summary Report, 1915.)

Memoir No. 94. Ymir mining camp, British Columbia.

D'Urban, W. S. M.

Catalogue of animals and plants collected and observed in the valley of the river Rouge and the neighbouring townships in the counties of Argenteuil and Ottawa. (Appendix IV to Report of Progress, 1858.) See also No. 463.

Eaton, Daniel Isaac Vernon

Meteorological observations in the Labrador peninsula, 1893-94 and 1895. (Appendix VII to part I, Annual Report, 1895.)

Eifrig, Charles William Gustave (Rev.)

List of birds and eggs identified or collected on the voyage of the Neptune to Hudson bay and northward. (With A. Halkett, A. P. Low, and John Macoun. Appendix II to No. 905.)

Ells, Robert Hugh

Prince Edward and Hastings counties, Ont. (In part AA (for 1903), Annual Report, 1902-03.)

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Report of operations in boring for coal with the diamond-pointed steam drill, at Newcastle Bridge, Queens county, New Brunswick. (Report of Progress, 1872-73.)

Second report on the boring operations with the diamond drill at Newcastle Bridge, Queens county, New Brunswick. With records of borings Nos. 2 and 3. (Report of Progress, 1874-75.)

Report on the iron ore deposits of Carleton county, New Brunswick. (Report of Progress, 1874-75.)

Report on the boring operations in the North West Territory, summer of 1875. (Report of Progress, 1875-76.)


Summary of explorations in northwestern New Brunswick and the Gaspe peninsula, Quebec. (Selwyn, in director's summary report (for 1882), Report of Progress, 1880-82.)


Summary of explorations along the Vermont boundary; on the Bonaventure, Casapedia, and York rivers, Quebec; and in Prince Edward Island. (In director's summary report (for 1883), Report of Progress, 1882-84.)

Report on explorations and surveys in the interior of the Gaspe peninsula. 1883. (Includes also a portion of Prince Edward Island.) (Part E, Report of Progress, 1882-84.)

Summary of investigations of copper deposits and coal in eastern New Brunswick, and a reported gold occurrence at New Annan, Nova Scotia. (Selwyn, in part A (for 1884), Annual Report, 1885.)

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Report on the geological formations of eastern Albert and Westmorland counties, New Brunswick, and of portions of Cumberland and Colchester counties, Nova Scotia, embracing the Spring Hill coal basin and the Carboniferous system north of the Cobequid mountains. 1884. (Part E, Annual Report, 1885.)

Summary of work in the Eastern Townships, Quebec. (In part A, Annual Report, 1886.)

Report on the geology of a portion of the Eastern Townships, relating more especially to the counties of Compton, Stanstead, Beaupre, Richmond, and Wolfe. (Part J, Annual Report, 1886.)

Summary of work in the Eastern Townships, Quebec. (In part A (for 1887), Annual Report, 1887-88.)

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Summary of work in the Eastern Townships, Quebec. (In part A, Annual Report, 1888-89.)

Report on the mineral resources of the province of Quebec. (Part K, Annual Report, 1888-89.)

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Summary of work in the Eastern Townships, Quebec, and up the valley of the Ottawa river and its northern tributaries. (In part AA (for 1891), Annual Report, 1890-91.)

Summary of work in the counties of Ottawa and Argenteuil, Quebec. (In part A (for 1892), Annual Report, 1892-93.)

Summary of work, chiefly in Ottawa and Pontiac counties, Quebec. (In part AA (for 1893), Annual Report, 1892-93.)

Summary of work, chiefly in Ottawa and Pontiac counties, Quebec, and Carleton county, Ontario. (In part A, Annual Report, 1894.)

Report on a portion of the province of Quebec comprised in the south-west sheet of the "Eastern Townships" map (Montreal sheet). With a
chapter on the Laurentian, north of the St. Lawrence river, by F. D. Adams. (Part J, Annual Report, 1894.)

Summary of work along the Ottawa river in Renfrew and Pontiac counties, Ontario and Quebec. (In part A, Annual Report, 1895.)


Summary of work in the areas of the Ottawa and Cornwall, and Perth sheets (maps Nos. 903 and 789), Ontario and Quebec. (In part A, Annual Report, 1897.)

Summary of work in the St. Maurice district; in the area of the Ottawa and Cornwall sheet (map No. 903); with observations on mining developments along the Gatineau and lower Ottawa rivers, Quebec. (In part A, Annual Report, 1898.)

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Catalogue of some of the economic minerals and deposits of Canada with their localities. (Appendix to Report of Progress, 1849-50.) See also Nos. 399, 470, and 471.

On the gold of the Chaudière river and rivière du Loup, and various localities between lake Etchemin and Sherbrooke, Quebec. (Report of Progress, 1850-51.) See also No. 399.

On the geology of parts of the counties of Beauharnois and Lake of Two Mountains; gold washing on rivière du Loup; various economic materials; and on the collection sent to the Industrial Exhibition of 1851 (London), including a catalogue of the Canadian minerals shown at this exhibition. (Report of Progress, 1851-52.) See also No. 399.

On the geology of the north shore of the St. Lawrence, between Montreal and cape Tourmente below Quebec, with notes on economic materials from various localities in this area, the Eastern Townships, etc. (Report of Progress, 1852-53.) See also No. 399.

395. Esquisse géologique du Canada, pour servir à l'intelligence de la carte géologique et de la collection des minéraux économiques envoyées à l'Exposition universelle de Paris, 1855. (With T. S. Hunt.) See also No. 397.

Summary report of the director. (Report of Progress, 1853-56.)

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On the distribution of Laurentian limestones and drift along the Rouge river; on economic materials from various localities; and a note on the general geological map and report. (Report of Progress, 1858.)

Levels of the river Rouge and its tributaries. (Appendix I to Report of Progress, 1858.)

List of localities showing traces of copper ore in the Lower Silurian rocks of Canada East, more particularly in the magnesian group of Quebec occurring at the summit of the Hudson River formation, and intermediate between what has occasionally been called the Richelieu shales and the Sillery sandstones. The localities are given going from west to east, and the list is intended, not to show workable quantities, but the distribution of the metal in the magnesian rocks. (Appendix II to Report of Progress, 1858.)


51. Geology of Canada, 1862.


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On the part of the Pictou coal-field east of the East river, Nova Scotia. (Report of Progress, 1866-69.) See also No. 69.

Notes on the report of Robert Bell on the Nipigon region. (Postscript, Report of Progress, 1866-69.) See also No. 74.

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Summary of explorations in the country between lake Winnipeg and Hudson bay. (In part A, Annual Report, 1886.)

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328. Report on the geology and economic minerals of the southern portion of Portneuf, Quebec, and Montmorency counties, province of Quebec. (Part L, Annual Report, 1890-91.)

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905. Report on the Dominion Government Expedition to Hudson bay and the Arctic islands on board the D.G.S. Neptune, 1903-1904.

923. Geological report on the Chibougamau mining region in the northern part of the province of Quebec.


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213. Report on the Cypress hills, Wood mountain, and adjacent country, embracing that portion of the district of Assiniboia lying between the International boundary and the 51st parallel, and extending from long. 100° to long. 110° 50'. (Part C, Annual Report, 1885.)

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236. Report on the geological structure of a portion of the Rocky mountains accompanied by a section measured near the 51st parallel. (Part D, Annual Report, 1889.)

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II. Salmon River district.

III. Portland Canal district.

(The above three reports are together. No [iii], Summary Report, 1911.)

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1386. Memoir No. 58. Texada island, B.C.

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Meteorological observations on James bay in 1887, by A. R. Cunningham, and on the east coast of Hudson bay in 1888, by C. H. Macnutt. (Appendix IV to part J, Annual Report, 1887-88.)

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Macoun, James Melville (See also in Appendix.)

List of birds collected at lake Mistassini, 1885. (Appendix I to part D, Annual Report, 1885.)

List of plants collected at lake Mistassini, Rupert river, and Rupert House, 1885. (Appendix II to part D, Annual Report, 1885.)

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List of the plants known to occur on the coast and in the interior of the Labrador peninsula. (Appendix VI to part L, Annual Report, 1895.)

List of plants collected in Hudson strait by Dr. Robert Bell in 1897. The phanerogams determined by J. M. Macoun, the cryptogams by John Macoun. (Appendix II to part M, Annual Report, 1898.)

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Botanical work on the southern boundary of British Columbia. (Summary Report, 1905.)

List of plants collected in 1904 during the cruise of the Neptune by L. E. Borden. (Appendix III to No. 905.)


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List of plants collected by W. C. Sandercock in the vicinity of Ymir, British Columbia. (In Memoir No. 94.)

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Report on the flora and agricultural character of the country traversed from Vancouver island to Carlton on the Saskatchewan.

Appendix. Catalogue of plants. [Saskatchewan; Peace River; Rocky mountains; British Columbia, including Vancouver island.] (Report of Progress, 1875-76.)

Plants collected in the Queen Charlotte islands, 1878. (Appendix E to part B, Report of Progress, 1878-79.)

List of plants collected by Dr. R. Bell around the shores of Hudson bay and along the Churchill and Nelson rivers in 1877 and 1879. (Appendix II to part C, Report of Progress, 1878-79.)

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List of plants collected [on Hudson bay and some lakes and rivers west of it] in 1880. (Appendix II to part C, Report of Progress, 1879-80.)

List and notes of plants collected by Mr. Richardson on the Magdalen islands. (Appendix to part G, Report of Progress, 1878-80.)

Summary of botanical work in the western peninsula of Ontario; Gaspé, Quebec; Prince Edward Island; and Nova Scotia. (Selwyn, in director's summary report (for 1882), Report of Progress, 1880-82.)

Catalogue of the plants collected by Dr. Robert Bell along the Michipicoten river and in the southern part of the basin of Moose river, in July, August, and September, 1881. (Appendix I to part C, Report of Progress, 1880-82.)


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List of plants collected on the coasts of Labrador, Hudson strait and bay, by Dr. Robert Bell in 1884. (Appendix I to part DD, Report of Progress, 1882-84.)

Summary of botanical work, including field-work west of lake Nipissing, and north of lake Superior, including lake Nipigon, Ontario. (In part A (for 1884), Annual Report, 1885.)

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List of plants collected in Newfoundland in 1885 by Dr. Robert Bell. (Appendix I to part DD, Annual Report, 1885.)

Summary of botanical work. (Selwyn, in part A, Annual Report, 1886.)
List of plants obtained by Dr. G. M. Dawson on Vancouver island and adjacent coasts, in 1885. (Appendix II to part B, Annual Report, 1886.)

Catalogue of Canadian plants. Part IV. Endogens.
Summary of botanical work, including field-work in Vancouver island, (In part A (for 1887), Annual Report, 1887-88.)
Summary of botanical and ornithological work, including field-work in the valleys of the Athabaska and Churchill rivers (J. M. Macoun) and Prince Edward Island. (In part A (for 1888), Annual Report, 1887-88.)
List of plants collected by Dr. G. M. Dawson in the Yukon district and adjacent northern portion of British Columbia in 1887. (Appendix III to part B, Annual Report, 1887-88.)

Catalogue of Canadian plants. Part V. Acrogens.
Summary of botanical and zoological work, including field-work in British Columbia. (In part A, Annual Report, 1888-89.)

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Summary of botanical work, including field-work in all of Manitoba and Saskatchewan. (In part A, Annual Report, 1896.)
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Summary of botanical and zoological work, including field-work in Alberta and British Columbia. (In part A, Annual Report, 1897.)
Summary of botanical and ornithological work, including field-work in Cape Breton island, Nova Scotia. (In part A, Annual Report, 1898.)
List of plants collected in Hudson strait by Dr. Robert Bell in 1897. The phanerogams determined by J. M. Macoun, the cryptogams by John Macoun. (Appendix II to part M, Annual Report, 1898.)
Summary of botanical work, including field-work in New Brunswick and Sable island, with a general description of the island. (In part A, Annual Report, 1899.)
Summary of botanical and zoological work, including field-work in the Algonquin National park, Ontario. (In part A, Annual Report, 1900.)
Catalogue of Canadian plants. Part VII. Lichenes and Hepaticae.
Botany and zoology. (Summary of the work of the division, including field-work between the Niagara river and Owen Sound, Ontario. In part A, Annual Report, 1901.)
List of plants collected by D. B. Dowling at the mouth of the Ekwan and Albany rivers, 1901 (misprinted "1891"). (Appendix II to part F, Annual Report, 1901.)
Botany and zoology. (Brief summary of the work of the year. Bell, in part A (for 1902), Annual Report, 1902-03.)
The climate and flora of the Yukon district. (In part A (for 1902), Annual Report, 1902-03.)

List of plants collected by W. J. Wilson along the shore of James bay, and in the valley of the Kapiseau river [Ontario]. (With W. J. Wilson's report, in part A (for 1902), Annual Report, 1902-03.)

Botany and ornithology. (Summary of the work of the year. In part AA (for 1903), Annual Report, 1902-03.)

Natural history of the National park [Alberta]. (In part A, Annual Report, 1904.)

The botany and climate of the northwest side of the lower St. Lawrence river. (Summary Report, 1905.)

List of birds and eggs identified or collected on the voyage of the Neptune to Hudson bay and northward. (With A. P. Low, A. Halkett, and G. W. G. Eifrig. Appendix II to No. 905.)

On explorations along the line of the Grand Trunk Pacific railway between Portage la Prairie and Edmonton [Manitoba, Saskatchewan, and Alberta]. (No. [ix], Summary Report, 1906.)

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Summary report of the naturalist. (Contains note on the preservation of mine timbers. No. [xxviii], Summary Report, 1908.)


Natural History branch. (Summary of the work of the year, including field-work on Vancouver island. Summary Report, 1909.)

Natural History division. (Summary of the work of the year, including field-work in Nova Scotia, and Vancouver island and Queen Charlotte islands, British Columbia. Summary Report, 1910.)

Natural History division.

1. [Summary of the work of the year.] (Summary Report, 1911.)

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Malhiot, Adhémar

Granites of the Eastern Townships of Quebec. (No. [xxvi], Summary Report 1913.)

Granites of the Eastern Townships, Quebec. (No. [xxix], Summary Report 1914.)

Malcolm, Wyatt (See also in Appendix.)

1220. Memoir No. 29. Oil and gas prospects of the northwest provinces of Canada. [Compiled.]


1561. Memoir No. 81. The oil and gas fields of Ontario and Quebec. [Compiled.]

Malloch, George Stewart

The Cascades, Palliser, and Costigan coal basins. (No. [vi], Summary Report 1907.)
The Big Horn coal basin [Alberta]. (No. [ix], Summary Report, 1908.)

A reconnaissance on the upper Fraser river between Fort George and Tête Jaune Cache. (No. [viii], Summary Report, 1909.)

Topographic work in the Portland Canal district, northern British Columbia. (Summary Report, 1910.) See No. 1235.


Reconnaissance on the upper Skeena river between Hazelton and the Groundhog coal-field, British Columbia. (No. [vii], Summary Report, 1911.)

The Groundhog coal field, B.C. (No. [viii], Summary Report, 1912.)

Metalliferous deposits in the vicinity of Hazelton, B.C. (No. [viii], Summary Report, 1912.)

Malte, Malte Oscar


Martin, Lawrence

Juneau-Yakutat section [Alaska]. (Guide Book No. 10.)

Mason, John Alden


Matthew, George Frederick


Summary report of geological observations in New Brunswick. (With L. W. Bailey. Report of Progress, 1874-75.)


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. (Report of Progress, 1876-77.)


Report on the superficial geology of southern New Brunswick. 1878. (Part EE, Report of Progress 1877-78.)

Mechling, William Hubbs

Anthropological division. Part I. Ethnology. (d) On Micmac and Malecite work, 1911. (In No. [xxxviii], Summary Report, 1911.) See also No. 1218b.

Anthropological division. Part I. Ethnology and linguistics. On Malecite and Micmac work, 1912. (Summary Report, 1912.) See also No 1305c.

1333. Memoir No. 49. Malecite tales.

Merriam, Clinton Hart

Description of a new red-backed mouse (Eutomys Dawsoni) from the headwater of Liard river, North West Territories. (In appendix IV to part B, Annual Report, 1887-88.)

Michel, A.


403. Reports of Dr. T. Sterry Hunt and Mr. A. Michel on the gold region of the county of Hastings, transmitted by Dr. Hunt to the Hon. Commissioner of Crown Lands, January 29, 1897.

Miller, Willet Green


Preface (to Guide Book No. 7.)

The Cobalt area. (Guide Book No. 7.)

Timagami [Ontario.] (Guide Book No. 7.)

Moore, Elwood Samuel

Region east of the south end of lake Winnipeg. (No. [xxii], Summary Report, 1912.)

Murray, Alexander (See also in Appendix.)

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On the geology of the Bonaventure river. (Report of Progress, 1844.)


On the geology of the Kaministikwi and Michipicoten rivers. (Report of Progress, 1846-47.)

On the topography and geology of portions of the north shore of lake Huron, French river, and the Manitoulin islands. (Report of Progress, 1847-48.)

On an examination of the shores, islands, and rivers of lake Huron, including parts of the east coast of Georgian bay and the Spanish river. (Report of Progress, 1848-49.)

On the geology of the peninsula bounded by lakes Huron, St. Clair, and Erie. (Report of Progress, 1850-51.)

On the geology of the region between the Ottawa, the St. Lawrence, and the Rideau rivers, with notes on economic minerals. (Report of Progress, 1851-52.)

On the geology of the country north of lake Ontario, in a general line between the neighbourhood of Kingston and that of lake Simcoe. (Report of Progress, 1852-53.)

Report for the year 1853. On the geology and topography of the Muskoka, Petawawa, Bonnechère, and Madawaska rivers. (Report of Progress, 1853-56.)

Report for the year 1854. On the geology and topography of the valley of the Magawatawan river and parts of the south and east shores of lake Nipissing with several of their more important tributary streams and adjoining lakes. (Report of Progress, 1853-56.)
Report for the year 1855. On fossiliferous rocks of Western Canada, and on
the geology and topography of part of the west coast of lake Nipissing
and south channel of French river. (Report of Progress, 1853-56.)

Report for the year 1856. On the geology and topography of the Sturgeon,
Maskinongé, French, and Wanapitei rivers, and Whitefish river and its
lakes. (Report of Progress, 1853-56.)

On the topography and geology of the coast of Georgian bay at the mouths
of the French river; on Echo lake and its environs; and on the Huronian
limestone near Bruce mine. (Report of Progress, 1857.)

On the topography and geology of the country between the valley of the
Thessalon river and the coast of lake Huron, and between the valleys
of the Thessalon and the Mississagi. (Report of Progress, 1858.)

Nason, J. R.
Moose Factory. Seasonal or periodic events. (Appendix IX to part C,
Report of Progress, 1879-80.)

Statistics of the weather for two years at York and Moose Factories, Hudson
bay. (With W. Wood. Appendix XI to part C, Report of Progress,
1879-80.)

Nelson, J. C.
Blackfoot names of a number of places in the North West Territory, for the
most part in the vicinity of the Rocky mountains. (Appendix II to
part C, Report of Progress, 1882-84.)

Nichols, David Andrew
Topographical division. Part I. Texada Island map-area, British Columbia.
(Summary Report, 1912.) See also No. 1305b.

Topographical division. Part I. Thetford and Black Lake map-area,
Quebec. (Summary Report, 1913.) See also No. 1359a.

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Quebec. (Summary Report, 1914.)

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and Alberta. (Summary Report, 1915.)

Nickerson, William Baker
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reconnaissance of Manitoba. (No. [liii], Summary Report, 1912.) See
also No. 1305c.

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in the valley of the Souris river, southwestern Manitoba, 1913. (No.
xliii, Summary Report, 1913.) See also No. 1359b.

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in southwestern Manitoba. (Summarized by H. I. Smith. In No. [xliii], Summary Report, 1914.)

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956. Catalogue of publications of the Geological Survey of Canada. (To June,
1906.)

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preparation. Summary Report, 1906.)

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1000. General index to reports, 1885-1906.

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Beloei and Rougemont mountains, Quebec. (No. [xxvii], Summary Report,
1911.)
Memoir No. 43. St. Hilaire (Beloeil) and Rougemont mountains, Quebec. Canadian Arctic Expedition, 1914. 'Geological reconnaissance of the Arctic coast between Demarcation point and the Mackenzie river; with a section inland up the Firth river, Mackenzie district. (No. [xxxvi], Summary Report, 1914.)

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Ord, Lewis R.
Summary of explorations in Berthier, Maskinongé, and St. Maurice counties, Quebec. (With R. G. McConnell. Selwyn, in director's summary report, Report of Progress, 1879-80.)

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Osborn, Henry Fairfield
Contributions to Canadian palaeontology, volume III (quarto), part II. On *Vertébrata* of the Mid-Cretaceous of the North West Territory. (With L. M. Lambe.)

O'Sullivan, Owen
Survey of the south and west coast of James bay. (In part A, Annual Report, 1904.)
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On explorations along the proposed route of the Canadian Northern railway, between Split lake and Fort Churchill. (No. [xi], Summary Report, 1906.)
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Summary of work in the Muskoka district, Ontario. (In part A, Annual Report, 1900.)
The country east of Nipigon lake and river. (In part A, Annual Report, 1901.)
Region lying north-east of lake Nipigon. (In part A (for 1902), Annual Report, 1902-03.)
The geology of a district from lake Timiskaming northward. (In part A, Annual Report, 1904.)
The valley of the Tobique river, N.B. (No. [xxii], Summary Report, 1905.)
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Silurian section at the forks of Credit river, Ontario. (Guide Book No. 5.)
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Geology of selected areas on lakes Erie and Huron in the province of Ontario. (Guide Book No. 5.)
Report on Silurian stromatoporoids from the Yukon-Alaska boundary between the Porcupine and Yukon rivers. (In Memoir No. 67.)

Parsons, Arthur Leonard
Annotated guide, Cartier to Coldwell and Coldwell to Port Arthur. The Pre-Cambrian geology of Loon Lake district. The Pre-Cambrian geology of Port-Arthur district. (Guide Book No. 8, part I.)
Annotated guide, Winnipeg to Port Arthur. Pre-Cambrian geology in the northern part of Lake of the Woods. (Guide Book No. 8, part III.)
Pearson, William Henry

491. List of Canadian Hepaticae.

Penhallow, David Pearce (See also in Appendix.)

List of fossil plants from the Pleistocene at Greens creek and Besserer's wharf, Ottawa river, Ontario. (In appendix to part G, Annual Report, 1899.)

Determinations of fossil plants from various localities in British Columbia and the North-West Territories, by Professor D. P. Penhallow of McGill University, Montreal, with notes on the geological horizons indicated, by H. M. Arm. (Appendix IV to part A, Annual Report, 1904.) See also No. 493.


A report on fossil plants from the International Boundary survey for 1902-05, collected by Dr. R. A. Daly. (Appendix B, Memoir No. 38, part II.)

Poole, Henry Skeffington


The coal problem in New Brunswick. (In part A, Annual Report, 1901.)


Notes on the geology of Anthracite, Alberta. *(In part A (for 1902), Annual Report, 1902-03.)

The Carboniferous rocks of Chignecto bay [N.B. and N.S.]. (In part A (for 1902), Annual Report, 1902-03.)

953. The barytes deposits of lake Ainslie and North Cheticamp, N.S., with notes on the production, manufacture, and uses of barytes in Canada. (Contains also notes on strontianite.)

The Nanaimo-Comox coal-field [B.C.]. (No. [vii], Summary Report, 1905.)

Porter, John Bonsall

Results of tests of molybdenite ores from Egan township, Ottawa county, and Ross township, Renfrew county, Ontario. (Summarized by Dawson in part A, Annual Report, 1900.)

Report on tests of auriferous black sands from the Atlin district, British Columbia. (In part A, Annual Report, 1900.)

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Radin, Paul

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1342. Museum Bulletin No. 2, IV. Some aspects of puberty fasting among the Ojibwa. See also No. 1342d.


Raymond, Percy Edward (See also in Appendix.)

Invertebrate paleontology. (Summary of the work of the year. Summary Report, 1910.)
Quebec and vicinity. (Guide Book No. 1, part I.)

Note on fossils at Rivière du Loup. (In "Rivière du Loup" by G. A. Young; Guide Book No. 1, part I.)

Ordovician of Montreal and Ottawa. (Guide Book No. 3.)

Notes on fossils from the Yukon-Alaska boundary, between lats. 66° 09' and 67°. (In No. [ii], Summary Report, 1911.)

Notes on fossils from the Roche Miette map-area, Jasper-park, Alberta. (In No. [xvi], Summary Report, 1911.)

Lists of fossils, with notes, from the Ordovician rocks in the areas of the Brachin and Kirkfield sheets (See maps Nos. 1245 and 1246), Lake Simcoe district, Ontario. (In No. [xxv], Summary Report, 1911.)

Notes on Silurian fossils from Knowlton Landing, lake Memphremagog, Quebec. (In No. [xxv], Summary Report, 1911.)

Palaontological division. II. Invertebrate. (Summary of work of the year, including field-work in the Ottawa valley, and Quebec city and vicinity. No. [xxv], Summary Report, 1911.)


IV. Notes on Cyclocystoides.

V. Notes on some new and old trilobites in the Victoria Memorial Museum.

VI. Description of some new Asaphides.

VII. Two new species of Tetradaeus.

VIII. A revision of the species which have been referred to the genus Bathynurus.

See also No. 1240c.

Lists of fossils, with notes, from the Ordovician rocks in the areas of the Beaverton, Sutton, and Barrie sheets, Lake Simcoe district, Ontario. (In No. [xxviii], Summary Report, 1912.)

The Trenton group in Ontario and Quebec. (No. [xxxii], Summary Report, 1912.)

The succession of faunas at Lévis, Quebec. (No. [xxvii], Summary Report, 1913.)

1467. Museum Bulletin No. 5. A Beatricea-like organism from the middle Ordovician [Ontario.]

Report on a collection of fossils from lake St. John [Quebec]. Collected by Mr. John A. Dresser. (In Memoir No. 92.)

Reed, Robert

Record of temperature at Laketon, Dease lake, B.C., during portions of the years 1886 and 1887. (No. 4, Appendix VI to part B, Annual Report, 1887-88.)

Reinecke, Leopold (See also in Appendix.)

Beaverdell district, west fork of Kettle river, British Columbia. (No. [vii], Summary Report, 1909.)

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Beaverdell map-area, Yale district, B.C. (No. [vii], Summary Report, 1911.)

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1508. Memoir No. 79. Ore deposits of the Beaverdell map-area.

Road materials in Ontario. (No. [xiii], Summary Report, 1914.)

1537. Memoir No. 85. Road material surveys in Ontario and Quebec. (No. [xxiii], Summary Report, 1913.)

1614. Memoir No. 85. Road material surveys in 1914. See also Nos. 1625-1627.

Rice, George Samuel

Richardson, James


On the topography and geology of Magdalen river and part of the Gaspé peninsula from Magdalen river to Gaspé bay; and of lake St. John. (Report of Progress, 1857.)

On a portion of the Gaspé peninsula, including an examination of the coast from Marsouin river to rivière du Loup. (Report of Progress, 1858.)

On the examination of the structure of the Quebec group of rocks in the Eastern Townships, with notes on the economic minerals. (Report of Progress, 1863-66.)

List of localities in which ores of copper have been met with in rocks of the Quebec group in eastern Canada. (Appendix to Report of Progress, 1863-66.)

On the country bounded on the northwest by the St. Lawrence and on the southeast by the Quebec Province line, and extending from the Chaudière river to a point beyond Temiscouta Portage road. (Report of Progress, 1866-69.)

73. On a geological examination of the north shore of the lower St. Lawrence from the Saguenay river to the bay of Seven Islands. (Report of Progress, 1866-69.)


Report on the coal-fields of the east coast of Vancouver Island, with a map of their distribution. (Report of Progress, 1871-72.)

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95. Report on geological explorations in British Columbia [Vancouver, Texada, and other adjacent islands]. (Report of Progress, 1873-74.)

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Ries, Heinrich

The clay and shale deposits of Nova Scotia, and portions of New Brunswick and Prince Edward Island. (No. [xciii], Summary Report, 1909.)

Clay and shale deposits of western Canada. (No. [xiii], Summary Report, 1910.)

Memoir No. 16. The clay and shale deposits of Nova Scotia and portions of New Brunswick. (With J. Keele.)

Memoir No. 24. Preliminary report on the clay and shale deposits of the western provinces. (With J. Keele.) See also Nos. 1279, 1324, 1453, and 1455.

I. Report on progress of investigation of clay resources.

II. Whiteware materials in Ontario and Quebec. Kaolin near Huberdeau, Quebec.

(The above two reports are together, No. [xvi], Summary Report, 1911.)

Clay investigations in western Canada. (No. [xxxvii], Summary Report, 1912.)

Memoir No. 25. Report on the clay and shale deposits of the western provinces. (Part II.) (With J. Keele.)

Clays of British Columbia and Alberta. (No. [xixvi], Summary Report, 1913.)

Memoir No. 47. Clay and shale deposits of the western provinces. Part III.

1453. Memoir No. 65. Clay and shale deposits of the western provinces. (Part IV.)

Robb, Charles

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On the geology of a part of New Brunswick. (Report of Progress, 1865-69).

Supplementary report on the geology of northwestern New Brunswick. (Report of Progress, 1870-71.)

Records of mines and mineral statistics. (Report of Progress, 1871-72.)

Report on the coal mines of the eastern or Sydney coal-field of Cape Breton, N.S. (Report of Progress, 1872-73.)

Report on explorations and surveys in Cape Breton, Nova Scotia, with supplementary report on collieries in operation. (Report of Progress, 1873-74.)

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Robinson, Clair Willard

An investigation of radio-active minerals in eastern Canada. (No. [xxxv], Summary Report, 1914.)

Rose, Bruce

Savona map-area, British Columbia. (No. [xi], Summary Report, 1912.)

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Wood Mountain coal area, Saskatchewan. (No. [xv], Summary Report, 1914.)

Blairmore map-area. (No. [xii], Summary Report, 1915.)

1138. Memoir No. 89. Wood Mountain-Willowbunch coal area, Saskatchewan.

Rossi, Auguste J.

The smelting of titaniferous iron ores. (Reprint of paper in "The Iron Age," slightly abridged. Appendix II to part J, Annual Report, 1895.)

Ruedemann, Rudolf

Notes on graptolites from Ordovician rocks along the Yukon-Alaska boundary near the Tatonduk river. (In Memoir No. 67.)

Rüst, David


St. John, Harold

Biological division. Botany. Botanical reconnaissance on the north shore of the gulf of St. Lawrence. (Summary Report, 1915.)

Saltz, John William

On Cyclocystoidea, a new genus of Echinodermata from the Lower and Middle Silurian rocks. (With E. Billings. In "Figures and descriptions of Canadian organic remains, Decade III " [No. 425].)

423. Figures and descriptions of Canadian organic remains. Decade I. (Fossils from the Calcareous, Chasy, and Trenton formations at Paquette rapids and Allumette island, Ottawa river, Pontiac county; and Beauchanois, Beauchanois county, Quebec.)

List of fossils from the Carboniferous outlier in the Flathead valley. (Appendix to part B, Report of Progress, 1882-84.)

Sapir, Edward


Anthropological division. Part I. Ethnology. (Summary of work of the year, including his own field-work in Iroquois and Algonkin reservations
Anthropological division. Part I. Ethnology and linguistics. (Summary of work of the year.)

Part III. Physical anthropology. (Summary of work of the year.) See also No. 1305c.

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Part III. Physical anthropology. (Summary of work of the year.) See also No. 1359b.

Memoir No. 62. Abnormal types of speech in Nootka.

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Division of anthropology. Part I. Ethnology and linguistics. (Summary of work of the year. Summary Report, 1914.)

Memoir No. 90. Time perspective in aboriginal American culture, a study in method.

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The Cordillera. (Guide Book No. 9.)

Elko to Kootenay lake, British Columbia. (Guide Book No. 9.)

Reconnaissance in East Kootenay, British Columbia. (No. [xviii], Summary Report, 1912.)
1342. Museum Bulletin No. 2. I. The origin of granite (micropegmatite) in the Purcell sills [British Columbia]. See also No. 1342a. V. The Pre-Cambrian (Baltic) rocks of south-eastern British Columbia and their correlation. See also No. 1342a.

Reconnaissance in East Kootenay, B.C. (includes a preliminary report on the plants from the Pleistocene deposits, by A. Hollick. No. [xiii], Summary Report, 1913.)

Ainsworth mining camp, British Columbia. (No. [iv], Summary Report, 1914.)

Reconnaissance in West Kootenay [B.C.]. (No. [v], Summary Report, 1914.)


Scudder, Samuel Hubbard

109. The insects of the Tertiary beds at Quesnel (British Columbia). (Appendix to report by G. M. Dawson, Report of Progress, 1875-76.)

118. Additions to the insect fauna of the Tertiary beds at Quesnel, British Columbia. (Report of Progress, 1876-77.)

110. The fossil insects collected in 1877 by Mr. G. M. Dawson, in the interior of British Columbia. (Appendix A to part B, Report of Progress, 1877-78.)

575. Contributions to Canadian palaeontology, volume II, part I. Canadian fossil insects, myriapods, and arachnida. See also Nos. 479, 480, and 481.

710. Contributions to Canadian palaeontology, volume II, part II. Canadian fossil insects. (Contains Coleoptera from interglacial clays at Toronto, and appendix by A. D. Hopkins on scolytid borings from the same locality.)

Selwyn, Alfred Richard Cecil (See also in Appendix.)


Notes and observations on the gold fields of Quebec and Nova Scotia. (Report of Progress, 1870-71.)

Summary report of the director. Dated 20th May, 1872. (Report of Progress, 1871-72.)

Journal and report of preliminary explorations in British Columbia. (Report of Progress, 1871-72.)

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Notes of a preliminary geological reconnaissance from Lake Superior, by the English and Winnipeg rivers, to Fort Garry. (Report of Progress, 1872-73.)

Report upon the Acadia iron ore deposits of Londonderry, Colchester county, N.S. (Report of Progress, 1872-73.)

Summary report of the director. Dated May, 1874. (Report of Progress, 1873-74.)

Correspondence re proposed operations during ensuing summer. (Appendix I to Summary Report of the Director, Report of Progress, 1873-74.)

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. (Report of Progress, 1873-74.)

Summary report of the director. Dated 1st May, 1875. (Report of Progress, 1874-75.)

Summary report of the director. Dated May, 1876. (Report of Progress, 1875-76.)

Report on exploration in British Columbia in 1875. (Report of Progress, 1875-76.)
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Notes on a stratigraphical collection of Canadian rocks. (In "Descriptive Catalogue etc. Philadelphia International Exhibition, 1876," [No. 405].)

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Notes on the geology of the south-eastern portion of the province of Quebec. (Part A, Report of Progress, 1880-82.)

Note on map No. 160. (Separate page inserted after part C, Report of Progress, 1880-82.)

Summary report of the director for the calendar year 1883, and observations on the work of 1884. (Report of Progress, 1882-84.)

Summary Report of the operations of the Geological and Natural History Survey to 31st December, 1885, being part III, Annual Report of the Department of the Interior, 1885. (This was the first separate issue of part III for distribution by the Geological Survey.)


Summary Report of the Geological Survey Department for the year 1890. (The first-issued in blue-book form. Also part A, Annual Report, 1890-91, which was not issued as a separate of the volume.)


Senécal, Clovis-Omer

Summary of mapping-work, by the geographer and chief draughtsman, including detailed lists of maps published and in preparation. (In part A, Annual Report, 1899.)

Summary of mapping-work, by the geographer and chief draughtsman, including detailed lists of maps published and in preparation. (In part A, Annual Report, 1900.)

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Mapping and engraving. (Includes detailed lists of maps published and in preparation, and notes on traverse lines run between Port George and Bridgwater and between Middleton junction and Hantsport, Nova Scotia. In part A, Annual Report, 1904.)

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Mapping and engraving. (Includes detailed lists of maps published and in preparation. In Summary Report, 1908.)

Mapping and engraving. (Includes detailed list of maps published. In Summary Report, 1909.)

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Mapping and engraving division. (Includes detailed lists of maps published and in preparation. In Summary Report, 1911.)

Draughting division. (Includes detailed lists of maps published and in preparation. In Summary Report, 1912.)

Draughting division. (Includes detailed list of maps published and in preparation, and list of guide maps for the Twelfth International Geological Congress published during the calendar year 1913. In Summary Report, 1913.)

Geographical and draughting division. (Includes detailed lists of maps published and in preparation. In Summary Report, 1914.)

Geographical and draughting division. (Includes detailed lists of maps published and in preparation. In Summary Report, 1915.)

Sheppard, Albert Campbell Tremain

Topographical division. Part I. Field work. (d) Slocan map-area, British Columbia. (Summary Report, 1911.)

Topographical division. Part I. St. John map-sheet, New Brunswick. (Summary Report, 1912.) See also No. 1305b.

Topographical division. Part I. Crowsnest sheet, British Columbia and Alberta. (Summary Report, 1913.) See also No. 1359a.

Topographical division. Field work. Flathead and Crowsnest sheets, British Columbia and Alberta. (Summary Report, 1914.)
Shimer, Hervey Woodburn
Lake Minnewanka section [near Banff, Alberta]. (No. [x], Summary Report, 1910.)

Shutt, Frank Thomas
Report on soil from Black river, a branch of the Abitibi river, lat. 48° 38′, long. 80° 27′, Quebec. (In No. [x], Summary Report, 1901.)

Preliminary report, on soil and subsoil, collected near Saskatoon or Service-berry lake at the west end of the Grande Prairie, lat. 55° 15′, long. 119° 13′, Peace River district. (Appendix III to No. 865.)

Slipper, Stanley Eades
The Sheep River map-area, Alberta. (No. [x], Summary Report, 1914.)

Boring operations in southern Alberta. (No. [xv], Summary Report, 1915.)

Smith, Harlan Ingersoll (See also in Appendix.)
Anthropological division. Part II. Archaeology. (Summary of the work of the year. Summary Report, 1911.) See also No. 1218b.


Anthropological division. Part II. Archaeology. (Summary of the work of the year, including his own field-work in Ontario, chiefly near Roebuck. Summary Report, 1912.) See also No. 1309c.

Division of Anthropology. Part II. Archaeology. (Summary of the work of the year, including his own field-work from Nova Scotia to British Columbia. No. [xxviii], Summary Report, 1913.) See also No. 1359b.

Division of anthropology. Part II. Archaeology. (Summary of the work of the year, including his own field-work on the shell-heaps of Merigomish harbour, N.S. No. [xliii], Summary Report, 1914.)

Division of Anthropology. Part II. Archaeology. (Summary of the work of the year, including his own field-work in British Columbia. No. [xxxviii], Summary Report, 1915.)

Smith, John Bernhard
List of Coleoptera collected by J. R. Spencer at Fort Churchill. (In appendix V to part DD, Report of Progress, 1882-84.)

Smith, Joseph Lionel
Observations on the history and statistics of the trade and manufacture of Canadian salt. (Report of Progress, 1874-75.)

Smith, Sydney Irving
135. Notes on Crustacea collected by Dr. C. M. Dawson at Vancouver and the Queen Charlotte islands. (Appendix D to part B, Report of Progress, 1878-79.)

List of Crustacea from Port Burwell, collected by Dr. R. Bell in 1884. (Appendix IV to part DD, Report of Progress, 1882-84.)

Smith, William Henry Chatterton
Summary of explorations and surveys in the area of the Hunters Island sheet (map No. 342) and Seine River sheet (map No. 560) Rainy River district, Ontario. (In part A (for 1888), Annual Report, 1887-88.)

Summary of surveys in the areas of the Lake Shebandowan sheet (map No. 589), the Seine River sheet (map No. 560), and the Hunters Island sheet (map No. 342). Thunder Bay and Rainy River districts, Ontario. (Lawson, in part A, Annual Report, 1888-89.)

Summary of explorations and surveys in the area of the Lake Shebandowan sheet (map No. 589), the Seine River sheet (map No. 560), and the Ignace sheet (map No. 663). Thunder Bay and Rainy River districts, Ontario. (Selwyn, in part A (for 1890), Annual Report, 1889-91.)
Summary of explorations and surveys in the areas of the Seine River sheet (map No. 560), the Manitou Lake sheet (map No. 720), and the Ignace sheet (map No. 663), Rainy River district, Ontario. (Selwyn, in part AA (for 1891), Annual Report, 1890-91.)


Summary of explorations and surveys in the areas of the Seine River sheet (map No. 560), the Rainy Lake sheet (map No. 373), the Manitou Lake sheet (map No. 720), and the Ignace sheet (map No. 663), Rainy River and Thunder Bay districts, Ontario; with note on mining on Lake of the Woods and Rainy lake. (Selwyn, in part A (for 1892), Annual Report, 1892-93.)

Speck, Frank Gouldsmith
1310. Memoir No. 42. The double-curve motive in northeastern Algonkian art.
1469. Memoir No. 70. Family hunting territories and social life of various Algonkian bands of the Ottawa valley.
1470. Memoir No. 71. Myths and folk-lore of the Timiskaming Algonquin and Timagami Ojibwa.
1499. Memoir No. 75. Decorative art of Indian tribes of Connecticut.

Spencer, Joseph William Winthrop
Report on the country between the upper Assiniboine river and lakes Winnipegosis and Manitoba. (Report of Progress, 1874-75.)
Niagara falls and Niagara district. (No. [xvii], Summary Report, 1905.)
970. The falls of Niagara, their evolution and varying relations to the Great Lakes; characteristics of the power, and the effects of its diversion.

Spencer, Miles
Notes on the breeding habits of certain mammals, from personal observations and enquiries from Indians. (Appendix III to part J, Annual Report, 1887-88.)

Springer, Frank
1150. Memoir No. 15. On a Trenton echinoderm fauna at Kirkfield, Ontario.

Stansfield, Edgar
Coking tests on coal from Tantalus mine [Yukon]. (Appendix III to Memoir No. 5.)

Stansfield, John
Certain mica, graphite, and apatite deposits of the Ottawa valley, and an occurrence of Eosoon canadense. (No. [xxiv], Summary Report, 1911.)
Mineral deposits of the Ottawa district. (Guide Book No. 3.)
The drift on the island of Montreal. (No. [xxiii], Summary Report, 1913.)
1487. Memoir No. 73. The Pleistocene and Recent deposits of the island of Montreal.
London area, Ontario. (No. [xxii], Summary Report, 1915.)

Stauffer, Clinton Raymond
The Devonian of southwestern Ontario. (No. [xviii], Summary Report, 1910.)
The Devonian of southwestern Ontario. (No. [xxii], Summary Report, 1911.)
Stratigraphy of southwestern Ontario. (No. [xxvii], Summary Report, 1912.)
1248. Memoir No. 34. The Devonian of southwestern Ontario.
Geology of the region around Hagersville [Ontario.] (Guide Book No. 4.)
Geology of the region around Port Colborne [Ontario]. (Guide Book No. 5.)

Stefánsson, Vilhjalmur
A preliminary report of an ethnological investigation of the Mackenzie delta. (No. [xxii], Summary Report, 1908.)
Anthropological division. II. Work among the Arctic Eskimos. (Brief quotation from letter received by E. Sapir. No. [xxx], Summary Report, 1910.) See also No. 1218b.

Anthropological division. Part I. Ethnology. (e) Work among the Arctic Eskimos. (Summary Report, 1911.) See also No. 1218b.

1476. Museum bulletin No. 6. Prehistoric and present commerce among the Arctic Coast Eskimo.


Stewart, James Smith

The foothills area, west of the Porcupine hills, Alberta. (No. [xii], Summary Report, 1914.)

The disturbed belt of southwestern Alberta. (No. [xiv], Summary Report, 1915.)

Stopes, Marie Carmichael

Fern ledges [near St. John, N.B.]. (Guide Book No. 1, part II.)


Stupart, Robert Frederic (Sir)

Climate of Dawson, Yukon. (With John Macoun’s report in part A (for 1902), Annual Report, 1902-03.)

Tanton, Thomas Leslie

The Harricanaw basin north of the Grand Trunk Pacific railway. (No. [xxvii], Summary Report, 1914.)

Harricanaw basin north of the Grand Trunk Pacific railway, Quebec. (No. [xxvi], Summary Report, 1915.)

Taverner, Percy Algernon (See also in Appendix.)

1344. On the collection of zoological specimens for the Victoria Memorial Museum.

Natural history division. II. Zoological section. (Summary of the work of the year. Summary Report, 1917.)

Biological division. Zoology. (Summary of the work of the year. Summary Report, 1912.)


Biological division. Zoology. (Summary of the work of the year. Summary Report, 1913.)

1513. Museum Bulletin No. 13. The double-crested cormorant (Phalacrocorax auritus) and its relation to the salmon industries on the gulf of St. Lawrence.

Biological division. Zoology. (Summary of the work of the year, including his own field-work around Chaleur bay, New Brunswick and Quebec. Summary Report, 1914.) See also No. 1557.

Biological division. Zoology. (Summary of the work of the year to Nov. 15th, including his own field-work along the north shore of the gulf of St. Lawrence, 1915. Summary Report, 1915.) See also No. 1575.

Taylor, Frank Bursley

Field work on the Pleistocene deposits of south-western Ontario. (No. [xv], Summary Report, 1908.)

Field studies on the Pleistocene deposits of southwestern Ontario. (No. [xiv], Summary Report, 1909.)

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Moraines north of Toronto. (Guide Book No. 6.)
Teit, James Alexander

Anthropological division. Part I. Ethnology and linguistics. On Tahltan (Athabaskan) work, 1912. (No. [I], Summary Report, 1912.) See also No. 1365c.

Thompson, John Vaughan

Memoir on the star-fish of the genus Comatula, demonstrative of the Pentacrinus europaeus being the young of our indigenous species. (In "Figures and descriptions of Canadian organic remains. Decade IV." [No. 429].)

Tolmie, William Fraser (Rev.)

454. Comparative vocabularies of the Indian tribes of British Columbia. (With G. M. Dawson.)

Torrance, John Fraser

Summary of work on the phosphate (apatite) deposits along the Lièvre river, Quebec. (In director's summary report (for 1883). Report of Progress, 1882-84.)

Report on apatite deposits, Ottawa county, Quebec. (Part J. Report of Progress, 1882-84.)

Townsend, Charles Wendell

Biological division. Zoology. Preliminary report of an expedition along the north shore of the gulf of St. Lawrence. (No. [xxxvii], Summary Report, 1915.) See also No. 1575.

Trueman, Joseph Douglas

Gunflint district [S.W. of Port Arthur], Ontario. (No. [xv], Summary Report, 1916.)

Twenhofel, William Henry

Arisaig [Nova Scotia]. (Guide Book No. 1, part I.)


Tyrrell, Joseph Burr (See also in Appendix.)

Summary of explorations in Alberta, south of the North Saskatchewan river, and north of lat. 51° 6', and between long. 110° and 115° 15' west. (In part A, for 1886, Annual Report, 1885.)

Summary of explorations in Alberta, south of the North Saskatchewan river, and north of lat. 51° 6', and between long. 110° and 115° 15' west. (In part A, Annual Report, 1886.)

237. Report on a part of northern Alberta and portions of adjacent districts of Assiniboia and Saskatchewan, embracing the country lying south of the North Saskatchewan river and north of lat. 51° 6', and between long. 110° and 115° 15' west. (Part E, Annual Report, 1886.)

Summary of explorations in the region of the Duck and Riding mountains, southern Manitoba. (In part A, for 1887, Annual Report, 1887-88.)

Summary of work in southern Manitoba including lakes Manitoba and St. Martin. (In part A, for 1888, Annual Report, 1887-88.)


Summary of an examination of portions of the shores and islands of lakes Winnipeg, St. Martin, Manitoba, and Winnipegosis, and the adjacent country, southern and southwestern Manitoba. (In part A, Annual Report, 1888-89.)

Summary of an examination of the Assiniboine river from Fort Pelly to Portage la Prairie; the artesian well at Morden; Cedar lake and the north and east shores of lake Winnipeg, Saskatchewan and Manitoba. (In part A, for 1890, Annual Report, 1890-91.)

Summary of an examination of the east shore of lake Winnipeg between Berosa river and Red river, and explorations and surveys of the principal streams discharging into that portion of the lake lying south of the straits at Dog head. (In part AA, for 1891, Annual Report 1890-91.)
Report on northwestern Manitoba, with portions of the adjacent districts of Assiniboia and Saskatchewan. (Part E, Annual Report, 1890-91.)

Introduction on the stratigraphical position of the beds from which the fossils (Radiolaria) were collected. (In "Contributions to Canadian Palaeontology, part IV." [No. 441.])

Summary of an exploration in northern Saskatchewan between lake Athabaska and the Churchill river, with a description of the route followed between the Churchill and Saskatchewan rivers, and observations made in the vicinity of Prince Albert. (In part A (for 1892), Annual Report, 1892-93.)

Letter regarding the exploration of north shore of lake Athabaska and telegram announcing arrival at West Selkirk after crossing the ‘barren grounds’ and exploring Chesterfield inlet and the west shore of Hudson bay. (In part AA (for 1893), Annual Report, 1892-93.)

Summaries of explorations, in 1893 and 1894, in the region lying north of lat. 59° and west of Hudson bay, including the Dubawnt (Dubwaunt), Kazan, and Ferguson rivers, Chesterfield inlet, the coast of Hudson bay from Chesterfield inlet to Fort Churchill, and two routes travelled between Churchill and Nelson rivers. (In part A, Annual Report, 1894.)

Summary of an exploration of the east shore and rivers of lake Winnipeg north of Dog head, Manitoba. (In part A, Annual Report, 1895.)

Report on the country between Athabaska lake and Churchill river, with notes on two routes travelled between the Churchill and Saskatchewan rivers. (With D. B. Dowling. Part D, Annual Report, 1895.)

Summary of explorations in the region north of lake Winnipeg between lat. 50° 40' and 66° and longs. 97° 20' and 102° 30'. (In part A, Annual Report, 1896.)

Report on the Dubawnt, Kazan, and Ferguson rivers, and the northwest coast of Hudson bay; and on two overland routes from Hudson bay to lake Winnipeg. (Part F, Annual Report, 1896.)

Summary of work on lake St. Martin, lake Manitoba, between Shoal lake and lake Winnipeg, and in the vicinity of Stony mountain, Manitoba. (In part A, Annual Report, 1897.)

Summary of explorations in the southwestern portion of the Yukon Territory and adjacent portion of British Columbia. (In part A, Annual Report, 1898.)


Report on explorations in the north-eastern portion of the district of Saskatchewan and adjacent parts of the district of Keewatin. (Part F, Annual Report, 1900.)

Uglow, William Lawrence

Fort Arthur to Winnipeg via Canadian Northern railway. (Guide Book No. 8, part I.)

Ulrich, Edward Oscar

Contributions to the micro-palaeontology of the Cambro-Silurian rocks of Canada, part II. 4. On some Polyzoa (Bryozoa) and Ostracoda from the Cambro-Silurian rocks of Manitoba.

List of fossils collected by W. A. Johnston at Logsford and vicinity of Uphill, Ontario. (Appendix to No. [xiv], Summary Report, 1908.)

Report on fossils collected by W. A. Johnston from the supposed Black River and Lowville limestones of the vicinity of lake Couchiching, Ontario. (Appendix to No. [xiii], Summary Report, 1909.)

List of fossils from St. Hilaire, Quebec, as provisionally determined June 30, 1907, by Dr. E. O. Ulrich. Collected by R. Harvie, jr. (Appendix B to Memoir No. 7.)
Upham, Warren


Vennor, Henry George

Summary of work, chiefly in Addington and Frontenac counties, Ontario. (Selwyn, in Summary Report (No. 67), dated 2nd May, 1870.)

70. On the geology and economic minerals of parts of Hastings, Addington, and Peterborough counties (Ontario). (Report of Progress, 1866-68.)


85. Progress report of explorations and surveys in the counties of Leeds, Frontenac, and Lanark, with notes on the gold of Marmora. (Report of Progress, 1871-72.)


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. (Report of Progress, 1873-74.)

Progress report of explorations and surveys in the rear portions of Frontenac and Lanark counties, together with notes on some of the economic minerals of Ontario. (Report of Progress, 1874-75.)

Summary of work in Lanark and Renfrew counties, Ontario. (In director's summary report, with remarks by Selwyn, Report of Progress, 1875-76.)

Progress report of explorations and surveys made during the years 1875 and 1876 in the counties of Renfrew, Pontiac, and Ottawa, together with additional notes on the iron ores, apatite, and plumbago deposits of Ottawa county. (Report of Progress, 1877-78.)

Summary of work on the phosphate-bearing rocks in Ottawa and Grenville region, southwestern Quebec. (Selwyn, in director's summary report, Report of Progress, 1877-78.)

Statement, in anticipation of a final report (not furnished) of general conclusions regarding the anorthosites and limestones in Argenteuil, Terrebonne, and Montcalm counties, Quebec. (In director's summary report, Report of Progress, 1879-80.)

Wait, Frank Goodall (See also under Hoffmann.)

The chemical laboratory. (Summary of the work of the year ending November 30, 1907. Summary Report, 1907.)

Walcott, Charles Doolittle

Cambrian of the Kicking Horse valley, B.C. (No. [xiii], Summary Report, 1911.)

Notes on fossils from limestone of Steeprock lake, Ontario. (In Memoir 28.) See also No. 1024.

Walker, Bryant

Land and fresh-water shells. (In No. 1234.)

Walker, Thomas Leonard

The Muskoka district (Ontario). (No. [xvii], Summary Report, 1905.)

The Pre-Cambrian of Parry island and vicinity (Ontario). (Guide Book No. 5.)

Wallace, Robert Charles

Gypsum and salt in Manitoba. (With A. MacLean. No. [xviii], Summary Report, 1913.)

Gypsum and brines in Manitoba. (No. [xix], Summary Report, 1914.)

Watson, Lawrence White

Prince Edward Island. (Brief preliminary report. In part A (for 1901), Annual Report, 1901.)
Waud, W. B.
Report of operations in Manitoba with the diamond-pointed steam drill, 1873. (Appendix II to summary report of the director, Report of Progress, 1873-74.)

Waugh, Frederick Wickerson

1612.
Memoir No. 86. Iroquois foods and food preparation.

Webster, Arthur
Summary of explorations in the St. Maurice River region, Quebec. (Selwyn, in Summary Report (No. 67), dated 2nd May, 1870.)
Summary of work south of the St. Lawrence river from Lake Memphremagog north and northeast along the New Hampshire and Maine boundaries. (Selwyn, in director's summary report, Report of Progress, 1879-80.)
Latitudes determined in British Columbia and the North-West Territory, 1875. (In Appendix III to part B, Report of Progress, 1879-80.)
Summary of work south of the St. Lawrence river in the region bordering the states of Vermont, New Hampshire, and Maine. (Selwyn, in director's summary report (for 1881), Report of Progress, 1880-82. See also in part A, of same volume.)
Geology of the west coast of Vancouver island. (In part A (for 1902), Annual Report, 1902-03.)

Weston, Thomas Chesmer
Description of phosphatic nodules from Macintosh brook, East bay, Cape Breton, and river Ouelle, Quebec. (In report by H. Fletcher, Report of Progress, 1876-77.)
Summary of work along the north shore of Lake Huron from Sault Ste. Marie eastward. (Selwyn, in director's summary report (for 1882), Report of Progress, 1880-82.)
Summary of work in the North West Territories. (Selwyn, in director's summary report (for 1883), Report of Progress, 1882-84.)
Summary of work in Saskatchewan, Alberta, Manitoba, and Quebec. (Whiteaves, in part A (for 1884), Annual Report, 1885.)
Summary of work, including field-work in the vicinity of Quebec city and in the Eastern Townships, Quebec. (Whiteaves, in part A (for 1885), Annual Report, 1885.)
Summary of field-work in Alberta, Saskatchewan, Ontario, and Quebec, collecting fossils. (Whiteaves, in part A, Annual Report, 1888-89.)
Summary of work, including field-work in the vicinity of Quebec city, Que. (Whiteaves, in part AA (for 1891), Annual Report, 1890-91.)
Summary of work at Baie St. Paul, and Quebec city, Que. (Whiteaves, in part A (for 1892), Annual Report, 1892-93.)
Summary of work, including field-work in Nova Scotia and Quebec. (In part AA (for 1893), Annual Report, 1892-93.)

White, David
The flora of the Gaspe sandstone [Quebec]. (Guide Book No. 1, part I.)
The Horton flora [Nova Scotia]. (Guide Book No. 1, part I.)
Note on the flora of the coal measures [Sydney, N.S.]. (Guide Book No. 1, part II.)
Notes on fossil plants from Parraboro inlet, Nova Scotia. (In No. [xxxix], Summary Report, 1914.)

White, James

Summary of work in the Kingston and Pembroke mining district, Ontario.
(In summary report of division of mineral statistics and mines, in part A (for 1892), Annual Report, 1892-93.)
Summary of work in Leeds, Lanark, Renfrew, Frontenac, Lennox and Addington, and Renfrew counties, Ontario, and Ottawa county, Quebec.
(In summary report of division of mineral statistics and mines, in part AA (for 1895), Annual Report, 1892-93.)
Summary of mapping work, by the geographer and chief draughtsman, including detailed lists of maps published and in preparation.
(In part A, Annual Report, 1894.)
Summary of mapping work, by the geographer and chief draughtsman, including detailed list of maps published and in preparation; and of his field-work on a traverse-line between Gérent, Haliburton county, and Waubaushene, Simcoe county, Ontario. (In part A, Annual Report, 1895.)

List of publications of the Geological Survey of Canada. (Published 1895.)
Summary of mapping work, by the geographer and chief draughtsman, including detailed list of maps published and in preparation; and of his field-work in Haliburton, Hastings, and Lennox and Addington counties, Ontario. (In part A, Annual Report, 1896.)
Summary of mapping work, by the geographer and chief draughtsman including detailed list of maps published and in preparation. (In part A, Annual Report, 1897.)
Summary of mapping work, by the geographer and chief draughtsman, including detailed list of maps published and in preparation; and of his field-work on traverse-lines from Ottawa to Sharbot lake, Carleton Junction to Chalk River, and Renfrew to Barryvale, Ontario, with notes on positions determined and magnetic declinations. (In part A, Annual Report, 1898.)

Altitudes in the Dominion of Canada, with a relief map of North America.

Whiteaves, Joseph Frederick (See also Appendix for many of his papers.)

Notes on the Cretaceous fossils collected by Mr. James Richardson at Vancouver and the adjacent islands. (Report of Progress, 1873-74.)
Mesozoic fossils, volume I, part I. On some invertebrates from the coal-bearing rocks of the Queen Charlotte islands, collected by J. Richardson in 1872.
Notes on some of the fossils collected during the expedition. (Appendix II to "Report on explorations in British Columbia in 1875," by A. R. C. Selwyn, Report of Progress, 1875-76.)
Notes on fossils from the Grand rapid, Mattagami river, Ontario. (In report by R. Bell, Report of Progress, 1875-76.)
Summary of work of the palaeontologist. (Selwyn, in director's summary report, Report of Progress, 1876-77.)

Notes on some Jurassic fossils collected by Mr. G. M. Dawson in the coast range of British Columbia. (Report of Progress, 1876-77.)
Summary of work of the palaeontological branch, including field-work in the Eastern Townships, Gaspé, and the vicinity of Quebec city, Que. (Selwyn, in director's summary report, Report of Progress, 1877-78.)
Provisional list of fossils collected between the Long portage of the Missinaibi branch of the Moose river and Moose Factory. (In part C, Report of Progress, 1877-78.)
436. Mesozoic fossils, volume I, part II. On the fossils of the Cretaceous rocks of Vancouver and adjacent islands in the strait of Georgia.

Summary of work of the paleontological and natural history branch. (Selwyn, in director's summary report, Report of Progress, 1878-79.)

List of Tertiary fossils from Graham island, Queen Charlotte islands, British Columbia. (In part B, Report of Progress, 1878-79.)

On some marine Invertebrata from the Queen Charlotte islands. (Appendix C to part B, Report of Progress, 1878-79.)

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. (Appendix I to part C, Report of Progress, 1878-79.)

List of fresh water Mollusca from Manitoba and the valley of the Nelson river. (Appendix III to part C, Report of Progress, 1878-79.)

Summary of work of the paleontological branch, including field-work in Scammonac bay, Quebec. (Selwyn, in director's summary report, Report of Progress, 1879-80.)

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Mollusca. (Appendix IV to part C, Report of Progress, 1879-80.)

Summary of work of the paleontological branch, including field-work in Quebec and New Brunswick. (Selwyn, in director's summary report, (for 1881), Report of Progress, 1880-82.)

Summary of work of the paleontological branch. (Selwyn, in director's summary report (for 1882), Report of Progress, 1880-82.)

Paleozoic fossils, volume III, part I. 1. On some new, imperfectly characterized, or previously unrecorded species of fossils from the Guelph formation of Ontario.

Mesozoic fossils, volume I, part III. On the fossils of the coal-bearing deposits of the Queen Charlotte islands collected by G. M. Dawson in 1878.

Summary of work of the paleontological and natural history branch, including field-work in the North West Territories, Ontario, and Quebec. (Selwyn, in director's summary report (for 1883), Report of Progress, 1882-84.)

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Summary of work of the paleontological branch, including field-work in Saskatchewan, Alberta, Manitoba, and Quebec. (Selwyn, in part A (for 1884), Annual Report, 1885.)

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Summary of work of the paleontological and zoological divisions, including field-work in Quebec. (In part A.,(for 1887), Annual Report, 1887-88.)
Summary of work of the palaeontological and zoological divisions, including field-work in Manitoba, North West Territory, Ontario, Quebec, Nova Scotia, and New Brunswick. (In part A (for 1888), Annual Report, 1887-88.)

443. Contributions to Canadian palaeontology, volume 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.

Summary of work of the palaeontological and zoological divisions, including field-work in Alberta, Saskatchewan, Ontario, and Quebec. (In part A, Annual Report, 1888-89.)

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Summary of work of the palaeontological and zoological divisions. (In part A, Annual Report, 1894.)


3. Systematic list, with references, of the fossils of the Hudson River or Cincinnati formation at Stony mountain, Manitoba.

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659. Contributions to Canadian palaeontology, volume I, part V (and last). 7. On some additional or imperfectly understood fossils from the Hamilton formation of Ontario, with a revised list of the species therefrom.

Summary of work of the palaeontological and zoological divisions, including field-work in Nova Scotia, Ontario, and Alberta. (In part A, Annual Report, 1898.)

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706. Mesozoic fossils, volume I, part IV. On some additional or imperfectly understood fossils from the Cretaceous rocks of the Queen Charlotte islands, with a revised list of the species therefrom.

Summary of work of the palaeontological and zoological divisions, including field-work in Nova Scotia. (In part A, Annual Report, 1900.)

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Preliminary list of fossils from the Silurian (Upper Silurian) rocks of the Elk river and Sutton Mill lakes, Keewatin, collected by D. B. Dowling in 1901, with descriptions of such species as appear to be new. (Appendix I to part F, Annual Report, 1901.)

Palaiontology and zoology. (Summary of the work of the year. In part A (for 1902), Annual Report, 1902–03.)

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List of land and fresh-water shells from the district of Keewatin, collected by Mr. Wm. McInnes in 1904. (In part A, Annual Report, 1904.)

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Notes on fossils from Devonian and Cretaceous rocks of Braine pass, Peel river, and Snake river, Yukon Territory. (Appendix to part CC, Annual Report, 1904.)

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Notes on some fossils from the Cambro-Silurian rocks of the Albany River drainage system in northwestern Ontario. (Appendix I to No. 980.)

Preliminary list of fossils from the supposed Utica or Lorraine shales at St. Bruno mountain, Chambly county, Que., collected by J. A. Dresser and R. Harvie, jr., in 1905. (Appendix A to Memoir No. 7.)

Williams, George Huntington
Notes on the microscopical character of rocks from the Sudbury mining district, Canada. (Appendix I to part F, Annual Report, 1890–91.)

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Arisaig-Antigonish district, Nova Scotia. (No. [xxiii], Summary Report, 1910.)

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Willimott, Charles William

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Wilson, Alice Evelyn (See also in Appendix.)

Museum Bulletin No. 1. IX. A new brachiopod from the base of the Utica. See also No. 1240d.

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An area from lake Timiskaming eastward. (No. [xi], Summary Report, 1907.)

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1280. Memoir No. 39. Kewagama Lake map-area, Quebec.
Southeastern portion of Buckingham map-area, Quebec. (No. [xxii], Summary Report, 1913.)
Northern portion of Buckingham map-area, Quebec. (No. [xxv], Summary Report, 1914.)
Southwestern portion of the Buckingham map-area, Quebec. (No. [xxiv], Summary Report, 1915.)

1685. Memoir No. 98. Magnesite deposits of Grenville district, Argenteuil county, Quebec.

Wilson, William James

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980. Geological reconnaissance of a portion of Algoma and Thunder Bay districts, Ontario.
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XI. A new species of Lepidostrobus. [Minto, New Brunswick.] See also No. 1240k.

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Wintemberg, William John

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Anthropological division. Part II. Archaeology. On archaeological work in Ontario and Quebec. (No. [iii], Summary Report, 1912.) See also No. 1505c.

Anthropological division. Part II. Archaeology. On archaeological work on the Atlantic coast, 1913. (No. [xviii], Summary Report, 1913.) See also No. 1359b.

Division of Anthropology. Part II. Archaeology. Field work. Summary of work in the St. Lawrence valley south of Ottawa. (H. I. Smith in Summary Report, 1914.)

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Wood, William
York Factory. Seasonal or periodic events. (Appendix VI to part C, Report of Progress, 1879-80.)
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Woodward, Arthur Smith

Wright, Frederick Eugene
The Unuk River mining region of British Columbia. (No. [v], Summary Report, 1905.)
Prince Rupert-Skagway section [British Columbia and Alaska]. (Guide Book No. 10.)

Wright, William Josiah
Lahave valley and Starrs point, Nova Scotia. (No. [xxxiii], Summary Report, 1911.)
Geology of the neighbourhood of New Ross, Lunenburg county, Nova Scotia. (No. [xxxix], Summary Report, 1912.)
Geology of the Moncton map-area, New Brunswick. (No. [xxviii], Summary Report, 1913.)
Geology of Clyburn valley, Cape Breton [N.S.]. (No. [xxxiv], Summary Report, 1913.)
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Young, Charles Henry
Summary of dredging work off Nanaimo, Vancouver island, B.C. (In summary report of the naturalist, Summary Report, 1908.)
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Young, George Albert
Summary of work in the Lake St. John district, Quebec. (In part A, Annual Report, 1900.)
Geology of Yamaaska mountain [Quebec]. (In part AA (for 1903), Annual Report, 1902-03.)
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The geology and petrography of mount Yamaaska, province of Quebec. (Part H, Annual Report, 1904.)
Descriptive catalogue of minerals and rocks in the school collections distributed in 1907. (Minerals by R. A. Johnston, rocks by G. A. Young.)

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Summary report on a district near Bathurst, N.B., and on the reported occurrence of gold in the Tobique country, Victoria co., N.B. (No. [xx], Summary Report, 1908.)

A descriptive sketch of the geology and economic minerals of Canada. (With an introduction by R. W. Brock.)

Bathurst district, New Brunswick. (No. [xix], Summary Report, 1909.)

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Geology of the Moncton map-areas, Westmorland and Albert counties, New Brunswick. (No. [xxix], Summary Report, 1911.)


Excursion in eastern Quebec and the Maritime Provinces. General introduction. Geology. (Guide Book No. 1, part I.)

Annotated guide. Montreal to Lévis [Quebec]. (Guide Book No. 1, part I.)

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Bathurst mines. (Guide Book No. 1, part I.)


Annotated guide. Halifax to Windsor. (Guide Book No. 1, part I.)

Annotated guide. Windsor to Truro. (Guide Book No. 1, part I.)

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The Riversdale-Union group at Truro and in the type section along the Intercolonial railway east of Truro. Introduction. (Guide Book No. 1, part II.)

Annotated guide. Campbell's Siding to New Glasgow. (Guide Book No. 1, part II.)

The New Glasgow conglomerate. (Guide Book No. 1, part II.)

Annotated guide. New Glasgow to Sydney. (Guide Book No. 1, part II.)

Sydney coal field. Introduction. (Guide Book No. 1, part II.)

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George River. (Guide Book No. 1, part II.)

Annotated guide. George River station to Antigonish. (Guide Book No. 1, part II.)

Annotated guide. Antigonish to Maccan Junction. (Guide Book No. 1, part II.)

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Moncton-Albert mines. (Guide Book No. 1, part II.)
Annotated guide. Moncton to St. John. (Guide Book No. 1, part II.)
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Annotated guide. St. John to Grand Falls. (Guide Book No. 1, part II.)
Grand Falls, St. John river. (Guide Book No. 1, part II.)
Annotated Guide. Grand Falls to Rivière du Loup [New Brunswick and Quebec]. (Guide Book No. 1, part II.)
Hydromagnesite deposits of Atlin, B.C. (No. [ii], Summary Report, 1915.)
APPENDIX.

LIST OF SEPARATES OF SOME PAPERS IN PUBLICATIONS OTHER THAN THOSE OF THE GEOLOGICAL SURVEY, BY MEMBERS OF THE STAFF AND A FEW OTHERS.
APPENDIX.

LIST OF SEPARATES OF SOME PAPERS IN PUBLICATIONS OTHER THAN THOSE OF THE GEOLOGICAL SURVEY, BY MEMBERS OF THE STAFF AND A FEW OTHERS.

This list is not intended to be a bibliography of the authors noted, but includes only certain papers by them of which separates have been distributed by the Survey. Copies of some of these are still on hand, and, whilst not available for general distribution, application may be made for them in special cases.

Adams, F. D.

On the microscopical character of the ore of the Treadwell mine, Alaska. Am. Geol., vol. IV, pp. 88-93. 3 figs. 1889. (Bound with paper by G. M. Dawson.)


Ami, H. M.


Sketch of the life and work of the late Dr. A. R. C. Selwyn, C.M.G., LL.D., F.R.S., etc., Director of the Geological Survey of Canada from 1869 to 1894. Am. Geol., vol. XXXI, pp. 1-21 (separate with additions, pp. 1-24), portrait. 1903.

Bibliography of Canadian geology and palaeontology, 1901-1906. Trans. Roy. Soc. Can., separates as follows:


Barbeau, C. M.

Barlow, A. E.
(With F. D. Adams.)

Billings, E.
Note: The above three articles were reprinted in Palaeozoic Fossils, vol. II, part I. (G.S.C. No. 429 (4).)

Broome, G.

Burling, L. D.

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Note: The above two papers under one cover.


Notes and observations on the Kwakiutl people of the northern part of Vancouver island, and adjacent coast, made during the summer of 1885; with a vocabulary of about seven hundred words. Trans. Roy. Soc. Can., vol. IV, sec. II, 4to., pp. 63-98 (separate, pp. 1-36), 1 pl. 1888.


Notes on the ore deposit of the Treadwell mine, Alaska. Am. Geol., vol. IV, pp. 84-88. 1889.


On the later physiographical geology of the Rocky Mountain region in Canada, with special reference to changes in elevation and to the history of the glacial period; being the presidential address for the year. Trans. Roy. Soc. Can., vol. VIII, sec. IV, 4to. pp. 3-74, 3 pls., 3 figs. 1890.

the glaciation of the northern part of the Cordillera, with an attempt to correlate the events of the glacial period in the Cordillera and Great Plains. Am. Geol., vol. VI, pp. 153-162. 1890.


Dawson, J. W.


Report on the geological structure and mineral resources of Prince Edward Island, pp. 51, 5 pls. Montreal, 1871. (Assisted by B. J. Harrington.)

Dowling, D. B.


The physical geography of the Red River valley. Ottawa Nat., vol. XV, pp. 115-120. 2 pls. 1901.

The coal fields of Alberta. Econ. Geol., vol IV, pp. 1-11, 1 fig. 1909.


Note: Through error the publication numbers 1474 and 1475 of the Geological Survey were formerly given to this paper but have now been otherwise assigned.

Ells, R. W.

A history of New Brunswick geology. pp. 64. Montreal. 1887.


Emerton, J. H.


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Fletcher, H.


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Kindle, E. M.


Lambe, L. M.


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The palaeontological results of the Dominion Government Arctic Expedition, 1908-09. Appendix A.
(In 'Reprint of appendices 'A' and 'B' to Captain J. E. Bernier's official report on the Dominion of Canada Government Expedition to the

1 Now Saskatchewan.
Arctic islands, Hudson strait, on board the D.G.S. ‘Arctic,’ 1908-9.”
pp. 479-489 (separate repaged, pp. 1-12) Ottawa, 1910. For appendix B see under Macoun, J. M.


The manus in a specimen of Trachodon from the Edmonton formation of Alberta. Ottawa Nat., vol. XXVII, pp. 21-25, 3 pls. 1913.


On a new genus and species of carnivorous dinosaur from the Belly River formation of Alberta, with a description of the skull of Stephanosaurus marginatus from the same horizon. Ottawa Nat., vol. XXVIII, pp. 13-20, 1 pl. 1914.


Bibliography of Canadian zoology. (Exclusive of entomology). 1907-1911. Trans. Roy. Soc. Can., separates as follows:

- 1907. 3rd ser. vol. II, sec. IV, pp. 77-87. 1908.

Lapworth, C.

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 cap Rouge, and from the Cove Fields, Quebec. Trans. Roy. Soc. Can., vol. IV, sec. IV, 4to. pp. 167-184. 1887.

Logan, W. E. (Sir)


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Check list of Canadian plants. pp. 68. Ottawa, 1889.

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II. " " VI. pp. 76-88. 1894.
III. " " VI. pp. 141-153. 1894.
IV. " " VI. pp. 198-210. 1895.
VI. " " VI. pp. 318-329. 1895. (Separate repaged, pp. 1-11).
VII. " " VI. pp. 405-415. 1895. (Separate repaged, pp. 1-11.)
VIII. " " VI. pp. 459-469. 1895. (Separate repaged, pp. 1-11).
IX. " " VII. pp. 39-50. 1896.
X. " " VII. pp. 267-286. 1897.
XI. " " VII. pp. 463-477. 1898.
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XV. " " XV. pp. 267-282. 1902.
XVI. " " XVI. pp. 211-223. 1903.
XVII. " " XVII. pp. 39-50. 1899.
XVIII. " " XX. pp. 162-171. 1906.


'Determination of list of plants collected by Mr. J. G. McMillan (geologist of the expedition), on Melville island in the autumn of 1908, and the early summer of 1909. Appendix B. (In "Reprint of appendices 'A' and 'B' to Captain J. E. Bernier's official report on the Dominion of Canada Government Expedition to the Arctic islands, Hudson strait, on board the D.G.S. 'Arctic', 1908-09").' pp. 489-491 (separate repaged, pp. 13-14, 2 pls. omitted). Ottawa, 1910. For appendix A see under Lambe, L. M.

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covery passage, Johnstone strait, and Queen Charlotte and Quatsino sounds, British Columbia, with a supplementary list of a few land and fresh water shells, fishes, birds, etc., from the same region. Trans. Roy. Soc. Can., vol. IV, sec. IV, 4to. pp. 111-137, 4 figs. 1887.


Descriptions of some new or previously unrecorded species of fossils from the Devonian rocks of the south eastern portion of the district of Saskatchewan. Can. Rec. Sci., vol. IV, pp. 293-303, 1 pl. 1891.


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Note on the occurrence of Primnoa reseda on the coast of British Columbia.


The Devonian system in Canada. Am. Geol., vol. XXIV, pp. 210-240. 1899. (Same paper as preceding entry.)

Description of a new species of Unio from the Cretaceous rocks of the Nanaimo coal field, V.I. Ottawa Nat., vol. XIV, pp. 177-179, 1 fig. 1901.


On the genus Trimerella, with descriptions of two supposed new species of that genus from the Silurian rocks of Keewatin. Ottawa Nat., vol. XVI, pp. 139-143, 2 pls. 1902.


Notes on some fresh water shells from Manitoba. Ottawa Nat., vol. XX, pp. 239-240. 1907.


Description of a new species of ammonite, of the genus Stepehoceras, from some rocks of presumably Jurassic age in the Nicola valley, B.C. Ottawa Nat., vol. XXIII, pp. 21-23. 1909.
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