A bibliography of publications by or about James Hector (1834-1907)

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Bibliographic Reference

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Figure 1. Cover of James Hector’s MD thesis, presented to examiners at the University of Edinburgh in 1856 – his first publication.
Introduction

James Hector was the dominating personality in the small, nineteenth century scientific community in New Zealand. Appointed as the government’s first professional scientist in 1865, he quickly established the New Zealand Geological Survey (now GNS Science), the Colonial Museum (now Te Papa) and the New Zealand Institute (now Royal Society of New Zealand) as well as becoming a trusted government advisor. Until he retired in 1903, Hector wrote and published a huge amount of material including scientific papers, official parliamentary reports, and annual reports for the organisations under his control as well as supervising the publication of scientific material in the annual Transactions of the New Zealand Institute and the Reports of Geological Exploration.

This bibliography has been compiled to provide an inventory of the publications that Hector produced or was responsible for as part of a wider biographical project. Our starting point was a number of older bibliographies that cover parts of Hector’s output, especially his scientific publications:

- Esplin, D.G. 1952: A Preliminary Bibliography of the Published Works of Sir James Hector. Library School, Wellington, 18 pp. [Copy available in the Alexander Turnbull Library].

We were able to supplement these existing sources by electronic searching of digital databases, especially the National Library of New Zealand¹, University library catalogues, the Appendices to the Journals of the House of Representatives (AJHR)², the Transactions of the New Zealand Institute³ and other scientific journals.

At a late stage we decided to add a section covering publications about James Hector, and were greatly helped by an Endnote bibliography prepared by Chris Hector.

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² [http://atojs.natlib.govt.nz/cgi-bin/atojs](http://atojs.natlib.govt.nz/cgi-bin/atojs)
Presentation of the bibliography

With several hundred entries, there are different ways that the bibliographic data could have been organised and presented. We decided at an early stage against a single chronological list as this would have lumped together different types of publication, and eventually decided to group the data by topics that we hoped would be most helpful to users.

The first two parts of the bibliography cover Hector’s work before he came to New Zealand (part 1) and during the Otago Geological Survey in 1862-65 (part 2). From 1865 onwards the entries have been grouped together by the type of publication:

- 3. Parliamentary reports (AJHR)
- 4. Reports of Geological Exploration
- 5. Geological maps
- 6. Scientific papers
- 7. Colonial Museum publications
- 8. Contributions to international exhibitions
- 9. Annual reports

Part 10 is a guide to surviving unpublished Hector material, and the final part (11) covers publications written about James Hector since his death in 1907.

There is minor duplication as a few entries are repeated in more than one part where it seemed relevant.

Acknowledgements

We are very grateful to librarians and archivists in different organisations who have helped and advised us. In particular we would like to thank Kristin Garbett (GNS Science), Martin Lewis and Jennifer Twist (Te Papa), David Colquhoun (Alexander Turnbull Library) and Anna Blackman (Hocken Collections, University of Otago). Chris Hector (University of Waikato) has advised on different aspects of James Hector’s publications, and kindly made his personal bibliography available to us.

We gratefully acknowledge financial assistance from the Brian Mason Science and Technical Trust which has provided financial support for this project.
Part 1: Publications before James Hector came to New Zealand

Scotland


Canada

From 1857-1859 James Hector was part of an expedition exploring western Canada, under the leadership of John Palliser, and he spent the following two years writing up the results of the expedition. The following section is taken, with minor modifications, from a bibliography prepared by D.G. Esplin.

GREAT BRITAIN. Parliamentary Papers, London, 1859. Papers relative to the exploration by Captain Palliser of that portion of British North America which lies between the northern branch of the River Saskatchewan and the frontier of the United States; and between the Red River and the Rocky Mountains. London, 1859.

contains by Hector:
First general report of the geology of the country examined by the expedition ... during the season of 1857. pp. 19-23 with maps.
Observations on the temperature of soil ... p. 24.
Observations of latitude ... p. 46.

Discovery by Captain John Palliser, F.R.G.S., and Dr Hector, of practicable passes through the Rocky Mountains within the British possessions. Proceedings of the Royal Geographical Society 3 (1859):122-127.

GREAT BRITAIN. Parliamentary Papers, London, 1860. Further papers relative to the exploration by the expedition under Captain Palliser of that portion of British North America which lies between the northern branch of the River Saskatchewan and the frontier of the United States; and between the Red River and the Rocky Mountains and thence to the Pacific Ocean. London, 1860.

contains by Hector:

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contains by Hector:
First general report on the geology of the country examined by the expedition during the season of 1857. pp.268-75.
Observations on the temperature of soil at various depths, and the depth of the frozen ground. pp.276-77.
Observations for latitude made by Dr Hector when detached from expedition. p. 303.


On the course and results of the British North American exploring expedition, under his command in the years 1857, 1858, 1859, by Capt. J. Palliser. *British Association for the advancement of science 30th annual meeting.*
contains by Hector:
Addendum I. Remarks concerning the climate of the Saskatchewan district. pp. 172-73.


Hector, J. 1861: Notes on the geology of Captain Palliser’s expedition in British North America. *British Association for the Advancement of Science 30th annual meeting:* 80-81.


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*GSNZ miscellaneous publication 133M*

Hector, J. 1862: On the capabilities for settlement of the central parts of British North America. 1861. *British Association for the Advancement of Science 31st annual meeting*: 195.

GREAT BRITAIN. Parliamentary Papers, London, 1863
The Journals, detailed reports, and observations relative to the exploration, by Captain Palliser, of that portion of British North America, which, in latitude, lies between the British boundary line and the height of land or watershed of the Northern or Frozen Ocean respectively, and in Longitude, between the western shore of Lake Superior and the Pacific Ocean: during the years 1857, 1858, 1859, and 1860. London, 1863.
contains by Hector:
Part 2: Otago Geological Survey, 1862-65

James Hector arrived in Dunedin in early 1862 to take up the position of Otago Provincial Geologist. He undertook fieldwork, covering the whole of Otago Province from 1862-64. The items listed below are best regarded as progress reports as fieldwork proceeded. Hector never completed a final report on the geology of Otago, although much of the information is summarised in his 1864 geological map.


Hector, J. (1864): Expedition to the West Coast of Middle Island, New Zealand (Otago Province), Proceedings of the Royal Geographical Society, 8: pp. 46-50.


Hector, J 1864: Geological map of the Province of Otago, New Zealand. Display map held in the Hocken Collections, University of Otago library. The map can be viewed online at: http://www.otago.ac.nz/library/treasures/hector/index.html

Part 3: Parliamentary papers (Appendices to the Journals of the House of Representatives)

The results of many of the investigations that Hector undertook are published in parliamentary papers, published annually as the Appendices of the Journals of the House of Representatives – known as the AJHRs or AtoJs, and available online at http://atojs.natlib.govt.nz. The following list includes individual reports written by James Hector as well as contributions to and comment on other papers. A short description of each item is given in italics.

The list does not include annual reports on different organisations in the AJHR series which are included in Part 9.

[General information on the origin and mode of occurrence of the Petroleum at Taranaki]

[Submission by Hector in favour of scholarships to send New Zealand students to English universities, p. 55]

[Hector examined about topographic options, pp. 5-8]

AJHR (1868) A-12, Reports of the Royal Commission on Prisons.
[Report by Hector on potential prison locations close to stone quarries, to “afford a remunerative employment for the convict labour”, pp. 40-42]

[Summary of investigations into New Zealand soils]

AJHR (1869) D-2, Papers Relative to the Introduction of Salmon into the Country.
[Memo by Hector, p. 2; Report by Hector on Temperature of Sea and Rivers, pp. 22-26]

AJHR (1869) D-22, Correspondence Relative to the Present Condition of the Forests of New Zealand.
[Questionnaire by Hector on condition of forests sent to Provincial Superintendents, printed alongside responses]

AJHR (1870) D-3, Papers respecting Sericulture in New Zealand.
[Remarks by Hector cautiously in favour of introducing silk worms to New Zealand, pp. 4, 12-13]

[Report Chaired by Hector, on state of the fishing industry.]
[Reprint of Analyses of Flax by Hector & Skey, 1863-4, pp. 19-22; Report by Hector on Samples of Fibre submitted to him by the Commission, pp. 56-58]

AJHR (1870) D-39, Correspondence relative to the Establishment of an Observatory, for the Purpose of Affording a Correct Mean Time Throughout Every Part of the Colony.  
[Memos by Hector on cost and construction of Observatory, pp. 3-5]

AJHR (1870) F-1, Report of the Joint Committee on Colonial Industries, together with Minutes of Evidence and Appendices.  
[Hector examined on development of mineral resources, animal products, plants, manufacturing industries pp. 1-10, & teaching of specialist science classes pp. 15-16; Memo by Hector on practicalities of teaching specialist science classes at Colonial Museum, pp. 29-30]

AJHR (1870) F-5, Report of the Committee on Weights and Measures and Adulteration of Food.  
[Hector examined on proposed manner of analyses of adulterated consumables, p. 5, analyses of goods, pp. 7-9]

AJHR (1870) F-6, Interim Report of the Committee on the Public Accounts.  
[Report into the contention that Hector failed to fulfil his obligation to provide the Otago Provincial Council and Superintendent with a Geological Report of that Province at the culmination of his contract with them (1862-1865). Decided in Hector’s favour.]

[Hector examined on practicalities of vaccination, pp. 3-4]

AJHR (1871) D-1B, Papers relating to The Construction of Roads (South Island: I. County of Westland.  
[Submission by Hector & Blackett, recommending route for trunk road p. 7]

AJHR (1871) D-2, Papers relating to the Construction of Tramways: I. West Coast of the Province of Wellington.  
[Memo. by Hector & Blackett, encouraging construction of tramway between Ngawhakarau and Motoa, p. 6]

AJHR (1871) D-6B, Papers relating to The Construction of Railways, South Island. III. Reports and Correspondence.  
[Report by Hector & Blackett on recommended course for a railway connecting the coal mines on the Grey River with a shipping port, pp. 8-11]

AJHR (1871) D-6D, Papers relating to The Construction of Railways. V - Hon. J. Vogel’s Letter on American Railways, and Correspondence Connected Therewith.  
[Memo by Hector on safety at level crossings, p. 4]
AJHR (1871) D-8, Papers relating to The Supply of Water on the Gold Fields. I. Reports and Correspondence.  
[Submission by Hector & Blackett on acquisition of water-races by Public Works Department and route for trunk road, pp. 13-14]

AJHR (1871) G-4, Report of the Commissioners Appointed to Enquire into the Preparation of the Phormium Fibre or New Zealand Flax.  
[Commission Chaired by Hector]

AJHR (1871) G-14, Memorandum of Action Taken in Accordance with Resolutions of the Joint Committee on Colonial Industries, Adopted on the 10th September, 1870.  
[Correspondence by Hector on distribution of Mulberry trees, notes on development of sericulture industry, and request for pine seeds from America, pp. 5-7, Memo on silkworm arrangements p. 9, Memo recommending Vogel procure Sorghum seed in America p. 11]

[Report initiated by Hector]

AJHR (1871) G-29, Papers Relative to the Transfer of Mr. Buller’s Collection of New Zealand Birds to the Colonial Museum.  
[Correspondence by Hector concerning over-valuation of Buller’s collection, but necessity in acquiring it for type-specimens, pp. 3-5]

AJHR (1871) H-3, Report of The Select Committee on The Wellington Waterworks Bill; Together with Minutes of Evidence and Appendix.  
[Submission by Hector on analyses of gold from various localities, pp. 7-8]

[Hector examined on propensity to disease, possible legislation to limit population, and sanitary habits, pp. 9-10]

AJHR (1871) H-7, Report of The Joint Committee upon Colonial Industries.  
[Hector examined on climate and location for beetroot cultivation, fish curing, pp. 8-11, manufacture of paper, Taranaki iron sand processing, shipping coal from the Brunner Coal Mine, pp. 13-17]

AJHR (1872) D-3, Papers Relating to The Development of Coal Mines, etc. As Provided in Part VIII. of the Immigration and Public Works Act Amendment Act, 1871.  
[Extensive Correspondence by Hector]

AJHR (1872) G-3, Report of The Commissioners Appointed to Inquire into Certain Matters Connected with the Ship “England,” and Correspondence with the Agent-General Thereon.  
[Hector on the Commission: report on the outbreak of smallpox on the England during its voyage to Wellington, compliance with the Passengers Act, and treatment of immigrants.]

[Memo by Hector with results of strength testing of various types of wood, p. 4]
AJHR (1872) G-16, Memorandum of Action Taken in Accordance with Resolutions of the Joint Committee on Colonial Industries, Adopted on the 30th October, 1871. [Memos from Hector on distribution of birch trees and their use in public works, pp. 5, 7]

AJHR (1872) G-17, Further Papers Relative to the Preparation of the Phormium Fibre. [Report by Hector on steps taken to develop Phormium]

AJHR (1872) G-26, Papers Relating to The Introduction of Salmon Ova. [Memos by Hector recommending the experimental hatching of Salmon ova at Makarewa Ponds, pp. 5-6]

AJHR (1872) H-8, Report of The Joint Committee on Colonial Industries. [Hector examined on development of coal industries, pp. 11-14, on the workings of the Geological Survey department, and the state of the Flax industry, pp. 17-19]

AJHR (1872) G-17, Further Papers Relative to the Preparation of the Phormium Fibre. [Report by Hector on steps taken to develop Phormium]

AJHR (1872) G-26, Papers Relating to The Introduction of Salmon Ova. [Memos by Hector recommending the experimental hatching of Salmon ova at Makarewa Ponds, pp. 5-6]

AJHR (1872) H-8, Report of The Joint Committee on Colonial Industries. [Hector examined on development of coal industries, pp. 11-14, on the workings of the Geological Survey department, and the state of the Flax industry, pp. 17-19]

AJHR (1873) E-10, The Coal Fields of New Zealand (Reports on). [Report by Hector]

AJHR (1873) E-10A, The Buller Coal Fields (Reports Relative to). [Memo by Hector on the Mount Rochfort district, pp. 6-8]

AJHR (1873) H-5, The Vienna Exhibition (Papers Relating to). [Memos by Hector on Exhibit selection and arrangement at the Exhibition, pp. 4-5]

AJHR (1873) H-12, Introduction of Salmon Ova (Further Papers Relative to). [Correspondence by Hector on delivery of Salmon ova to Makarewa Ponds, pp. 2, 8]

AJHR (1873) H-34, Recommendations of Industrial Committee of 1872. [Memo by Hector of actions taken on recommendations of the Joint Committee on Colonial Industries 1872, on Coal, Iron, Beet-root sugar, Paper, Fish, Flax, Timber and the Vienna Exhibition.]

AJHR (1873) I-4, Colonial Industries (Reports of the Select Committee on). [Hector examined on Ngakawau coal, pp. 9-10; Memo by Hector on mining of Iron Ores in New Zealand, pp. 20-23]


AJHR (1874) H-5, 5A, & 5B, Papers Relating to State Forests, Their Conservation, Planting, Management, &c. [Analyses of Questionnaire by Hector on deforestation for 1868, concludes that due to the diversity of circumstances no general preventative legislation can be applied, pp. 13-16]

AJHR (1874) H-16, Observation of the Transit of Venus (Papers Relative to). [Memo by Hector recommending Christchurch as the most favourable site to observe the Transit, due to meteorological averages, and notes on an observatory there, pp. 2-7]
AJHR (1874) H-25, Durability of New Zealand Timbers.
[Foreword by Hector]

AJHR (1876) I-7, Native Fuel Committee (Reports of, Together with Minutes of Evidence and Appendix).
[Memo by Hector on the use of NZ Coal as Fuel, p. 10]

AJHR (1877) H-14, Introduction of Californian Salmon (Papers Relative to).
[Memo by Hector on Salmon Ova, p. 3; Memo on introduced American Salmon & white-fish, pp. 9-10; Correspondence on shipment of Salmon ova, pp. 10-15]

AJHR (1877) H-23, Philadelphia Centennial International Exhibition of 1876.
[Hector on the Commission]

AJHR (1877) H-31, Letter from the Hon. Mr. Russell, Enclosing Letters Referred to by the Hon. Mr. Ormond in His Speech of 6th September, 1877, together with Statement by the Hon. Mr. Russell.
[Memo by Hector on country at Tongariro, Rangipo & Patea, pp. 5-6]

AJHR (1877) H-32, The Colorado Potato Beetle (History and Description of).
[Diagram drawn from specimen collected by Hector]

AJHR (1877) I-4, Beet-Root Sugar Committee (Report of the).
[Memo by Hector on Analyses of Beet-Roots for Sugar, p. 3]

AJHR (1877) E-1, Public Works Statement, by the Minister for Public Works, the Hon. James MacAndrew, Tuesday, 27th August, 1878.
[Hector’s Report on Coal Explorations and Inspection of Mines for 1877-78, pp. 82-83]

[Memo by Hector on the manner of collecting articles for the Exhibition, p. 1]

AJHR (1878) H-11, California Salmon and Whitefish Ova, (Papers Relative to the Introduction of).
[Correspondence by Hector on distribution of Salmon ova throughout New Zealand, pp. 1-5, on proper packing of ova for long sea voyages p. 22]

AJHR (1878) H-21, D’Urville Island Copper Ore Deposits (Report on the).
[Memo by Hector on Ore Deposits, p. 1]

AJHR (1879) H-1, Report of the Royal Commission Appointed by His Excellency to Inquire into and Report upon the Operations of the University of New Zealand and its Relations to the Secondary Schools of the Colony: Together with Minutes of Proceedings, Minutes of Evidence, and Appendix.
[Hector a Commissioner, in opposition to the carried resolution that the University of New Zealand have its seat at Dunedin. Report also details recommendations for bringing Secondary education within the reach of the youth of both sexes, and endowments for colleges.]
AJHR (1879) H-9A, Jackson’s Bay Commission (Minutes of Proceedings, Evidence, Correspondence, etc. in Connection with the).
[Analyses by Hector of various rocks from Jackson’s Bay, pp. 103-104]

AJHR (1879) H-13, Sydney International Exhibition, 1879 (Papers Relative to the).
[Hector Executive Commissioner, Report on selection of items for Exhibition.]

[Hector Correspondence on accident at Kaitangata coal mine, pp. 3-4, forwards report on mines, p. 14, urging action on alleged infringements of Regulation of Mines Act 1874, p. 17]

AJHR (1879 Session II) H-14A, California Salmon and Whitefish Ova (Further Papers Relative to the Introduction of).
[Memos by Hector on distribution of whitefish ova, pp. 3, 6-7]

AJHR (1879 Session II) H-20, Boring-Machines Suitable for Testing Lands in New Zealand for Mineral Deposits (Correspondence upon the Subject of).
[Correspondence by Hector on diamond rock-drills in use in Australia, pp. 1-2]

AJHR (1880) H-1, Report of the Royal Commission Appointed by His Excellency to Inquire into and Report upon the Operations of the University of New Zealand and its Relations to the Secondary Schools of the Colony: Together with Minutes of Proceedings, Minutes of Evidence, and Appendix.
[Hector a Commissioner. Report includes recommendations on establishment and grants for Secondary schools, regulation of scholarships.]

[Hector Executive Commissioner, Report on his journey to Sydney and descriptions of Exhibition.]

AJHR (1880) H-5A, Sydney International Exhibition, 1879 (Further Papers Relative Thereto). Appendices of the Journals of the House of Representatives H-5A
[Hector Executive Commissioner, Report on the closing of the Exhibition.]

[Hector’s Report on Chalk found at Oxford, p. 64]

[Report by Hector, approving of work of the Exhibition in showcasing Colonial Industries.]

[Hector present at Conference, talks principally of telegraphic communication of met. information between New Zealand and Australia.]

[Report by Hector on publication of met. statistics, pp. 3-5; Hector present at Conference, talks principally of telegraphic communication of met. information between New Zealand and Australia.]
Hector Bibliography


[Hector examined on olive cultivation, sorghum, pp. 7-10]

AJHR (1882) A-1, Despatches From the Governor of New Zealand to the Secretary of State.

[Memo by Hector on impending Transit of Venus and potential observation stations, recommending Napier, 1882, p. 6]

AJHR (1882) E-3, Education: Industrial School and Orphanages (Papers Relating to).

[Report by Hector on sanitation at Caversham Industrial School, recommends changing buildings, pp. 6-7]


[Hector Executive Commissioner, includes his Progress Reports.]


[Foreword by Hector]

AJHR (1882) I-6, Westport Coal Committee (Report of).

[Hector examined on extent of the Buller Coal Field, pp. 14-15]


[Hector’s Table showing value of Coal, p. 5; Hector’s Memo on Grey Coal Fields, p. 72]

AJHR (1884 Session II) H-4, Civil Service Examination Board (Annual Report of the).

[Hector on Board]


[Hector examined on the closing of the Shag Point mine, pp. 42-45, cross-examined pp. 48-50; Memo approving of closing the mine, p. 57]

AJHR (1884 Session II) I-6, Report of the Select Committee Appointed to Consider and Report on the Best Route for the North Island Trunk Railway: Together with Minutes of Proceedings and Evidence and Appendix.

[Hector examined on geology of the country proposed for the railway, pp. 56-59]

AJHR (1885) D-10, Connection of Collingwood Coal-Fields with Deep Water (Reports Relative to).

[Hector Correspondence on workability of coal and best site for a wharf, p. 1]


[Memo by Hector on the Food Fishes of New Zealand, pp. 5-9]


[Memo by Hector on the state of Colonial Industries and Manufacturing, pp. 1-4]

AJHR (1886) C-2, Mines Statement.

[Report by Hector on the Working of the Geological Department, pp. 19-20]
AJHR (1886) H-25, The Recent Volcanic Eruptions (Preliminary Report on) by Dr Hector. [Concludes that the eruption was hydro-thermal and that the danger has passed for the present.]

AJHR (1887) A-1, Despatches From the Governor of New Zealand to the Secretary of State. [Correspondence by Hector on Medical Qualifications gained in New Zealand not being recognised beyond the Colony, pp. 17-18]

AJHR (1887) A-2, Despatches from the Secretary of State to the Governor of New Zealand. [Reply to Hector’s Correspondence on Medical Qualifications, p. 72]

AJHR (1887) C-5, Goldfields, Roads, Water-Races, and Other Works in Connection with Mining (Report on). [Analyses of Silver and Gold by Hector, pp. 24-26]

AJHR (1887) H-11, Inoculation of Rabbits with Disease (Papers Relating to the). [Correspondence by Hector, urging caution on introducing diseases, relates an experience of travelling in Canada and witnessing an outbreak, p. 2]

AJHR (1888) H-7, Seacliff Lunatic Asylum: Report of the Commission Appointed to Inquire into the Condition of the Asylum Building: Together with the Minutes of Proceedings and Notes of the Evidence Taken. Also A Statement in Reply to the Commissioners’ Report by Mr. R. A. Lawson, and a Memorandum on the Same Report by the Assistant Engineer-In-Chief. [Hector examined on the instability of the land upon which the Asylum was built, pp. 143-145; a Report of his discussed throughout.]

AJHR (1889) H-23, Centennial International Exhibition at Melbourne, 1888 (Report of the Executive Commissioners on the). [Hector Executive Commissioner, Reports on the Exhibition from inception to close.]

AJHR (1889) H-47, Formation of a Harbour at Point Elizabeth, West Coast (Reports Relating to). [Extract from Report by Hector & Blackett on course for a railway to connect the Grey River coal mines with a shipping port, 1871, pp. 1-2]

AJHR (1889) I-6, Westland Coalfields Committee (Report of, together with Minutes of Evidence and Appendix). [Hector examined on state of Westland coalfields, pp. 62-65; table of estimated quantity of coal in coalfields, p. 104; extract from Report by Hector & Blackett, 1871, p. 115]

AJHR (1891 Session II) C-3, Report of the Commissioners Appointed by His Excellency the Governor to Inquire into and Report upon the Grey Valley Coal-Mines, Together with Minutes of Proceedings and Evidence and Appendix. [Hector a Commissioner, comprehensive report on state of Grey Valley coal mines.]

AJHR (1891 Session II) C-3A, Grey Valley Coal-Mines Commission (Memoranda Relative to Report of). [Hector Commissioner. Supplementary evidence which was not presented in time for the close of the Commission.]
AJHR (1891) H-1, Dunedin Hospital Inquiry Commission (Report of).
[Hector Commissioner, Report decrying sanitary conditions at the hospital.]

AJHR (1892) H-6, Native New Zealand Birds (Memorandum by Lord Onslow Respecting the Diminution of, and Suggestions for their Preservation, &c.)
[Hector Correspondence encouraging the placing of land reserves under Acclimatisation Societies, pp. 3-4]

AJHR (1892) I-9, North Island Main Trunk Railway Committee (Report of the, Together with Minutes of Evidence and Appendix.)
[Hector examined on geology of proposed route, pp. 45-48]

AJHR (1893) A-1, Despatches From the Governor of New Zealand to the Secretary of State.
[Extract from Report by Hector on Seals, pp. 1-3]

[Positive report on the Exhibition]

AJHR (1895) H-36, Rainfall: (Return of Annual Rainfall in the Colony from 1864 to 1894).
[Report by Hector]

AJHR (1896) C-6, Brunner Coal-Mine Disaster (Report of Royal Commission Appointed to Inquire into, on 26th March, 1896).
[Hector Commissioner, report concludes that the mine was well-run in accordance with government regulations.]

[Hector examined on geology with reference to a model-relief map of New Zealand, pp. 183-184]

AJHR (1897 Session II) H-17, Protection of Mullet (Report by Sir James Hector, K.C.M.G., and Evidence Taken by Him).
[Report concludes that no closed season for mullet-fishing is required, and that restrictions should be withdrawn, while noting that further study is needed.]

AJHR (1898) H-36, Annual Rainfall From 1865 to 1898.
[Report by Hector]

[Extract from Hector's Flax Experiments on durability, 1871, p. 4]

AJHR (1901) C-4, Coal-Mines of New Zealand (Report of Royal Commission Appointed to Inquire and Report on the Workings of.)
[Hector examined on evidence for estimates he gave for coal tonnage in the colony, pp. 319, 322-326]
Hector recorded the results of field work undertaken by members of the Geological Survey from 1866-1892 in a series of publications that became known as the Reports of Geological Explorations (colloquially referred to as the RGEs).

The first three volumes in the series were stand-alone volumes, originally printed by the Government Printer and later re-numbered as RGEs. The fourth volume was called ‘Abstract Report on the Progress of the Geological Survey of New Zealand during 1866-67’, and from 1868 the title Reports of Geological Explorations was adopted. Most volumes cover a two-year period.

The RGEs were set out in a standard format, starting with a Progress Report written by Hector which summarised the work undertaken during the year, with comments on scientific advances. This was followed by individual reports under the name of the geologist who had undertaken the work. Hector did not always agree with the conclusions drawn by other geologists, and would note his disagreement in his Progress Report.

Hector edited the RGEs, and often corrected and shortened reports written by his staff, or sometimes added footnotes. He usually did not suppress conflicting opinions, but often deleted what he felt was unnecessary wordiness. Many of the originals, with Hector’s editorial markings, are held in the Te Papa Archives.

Hector had hoped that geological reports in the RGEs would be accompanied by coloured geological maps. This was usually too expensive, and nearly all the maps have been redrawn in black-and-white, with colours replaced by patterns. The hand-coloured originals of many of the maps were retained by the Geological Survey, and are now held in Archives New Zealand (mainly in collection ABLP W4464)

On the Coal Deposits of New Zealand, by Dr Hector, [no. 1], 1866. 46 pages

On the Lower Waikato District, by Captain Hutton, [no. 2], 1867. 8 pages + geological map

On the Thames Goldfields, by Captain Hutton, [no. 3], 1867. 12 pages + geological map.

‘Abstract Report of the Progress of the Geological Survey of NZ during 1866-67, by Dr Hector’, pp. 1-34 [includes notes on visit to a portion of the Province of Taranaki, Kaikoura district].
‘Notes on the Coast and Harbour from Milford Sound to Hokitika, by Dr Hector’, pp. 42-48.

Reports of Geological Explorations during 1868-9, [no. 5], 1869.
‘Notes on the Composition of Specimens forwarded by Captain Hutton, by Dr Hector’, pp. 39-44.
Reports of Geological Explorations during 1870-1, [no. 6], 1871.
[Progress Report of the Director to be published with a Geological Map of New Zealand]
‘On the Geology of the Cape Colville District, by Dr Hector’, pp. 88-103.
‘Notes on the Geology of the Hawk’s Bay District, by Dr Hector’, pp. 158-164.

Reports of Geological Explorations during 1871-2, [no.7], 1872.
[No Progress Report]5
‘Reports on the Gold Mines in the Province of Marlborough, by Dr Hector’, pp. 119-129.
‘Report on the Clutha and Green Island Coal Fields, by Dr Hector’, pp. 165-172.

Reports of Geological Explorations during 1873-4, [no. 8], 1877.

Reports of Geological Explorations during 1874-6, [no. 9], 1877.
‘Progress Reports by Dr Hector’, pp. iii-xiii, [September – November 1874 in North Auckland Province, with brief visit to Coromandel, pp. iii-vi. Hector overseas for most of 1875-6, Mantell in charge of Geological Survey].

Reports of Geological Explorations during 1876-7, [no. 10], 1877.
‘Progress Report, 1876-77, by Dr Hector’, pp. iii-xx, [Comparative Table of Classifications, pp.iii-v]
‘Kaitangata Coal Mine’, pp. 140-143.

Reports of Geological Explorations during 1877-8, [no. 11], 1878.
‘Progress Reports by Dr Hector’, pp. i-xv, [on account of ill health, Hector visited Australia & Tasmania during September-October, and obtained information on coal fields. Brief mention of visits to Otago, Southland, and the interior of the North Island, p. i].
‘Report on the Golden Point Quartz Reef, Queen Charlotte Sound, by Dr Hector’, pp. 1-5.

Reports of Geological Explorations during 1878-79, [no. 12], 1879.
‘Progress Reports by Dr Hector’, pp. 1-41 [being required to attend the Supreme Court sitting in Hokitika in September, Hector examined Westland, pp. 17-20. Examined Mokau in November-December with the Native Minister and Rewi Maniapoto, pp. 20-22. Examined Thames Gold Field in February, pp. 22-23. Examined Masetown Reefs in March, pp. 23-24.]

5 The Preface says that the Progress Report will be produced later to accompany a Geological Map of New Zealand. The map was published in 1873, but it appears that the missing Progress Report was never published.
Reports of Geological Explorations during 1879-80, [no. 13], 1881.
‘Progress reports by Dr Hector’, pp. i-xxx, [Hector busy with work for Sydney Exhibition. Extract from lecture on comparison of NZ and Australian geology given by Hector in Sydney, pp. ii-iv. Visited Longwood Range Gold Field in March, pp. viii-x.]

Reports of Geological Explorations during 1881, [no. 14], 1882.
‘Progress Report by Dr Hector’, pp. ix-xxxii [Hector busy with work for Melbourne Exhibition].

Reports of Geological Explorations during 1882, [no. 15], 1883.
‘Progress Report, by Dr Hector,’ pp. ix-xxx.

Reports of Geological Explorations during 1883-1884, [no. 16], 1884.

Reports of Geological Explorations during 1885, [no. 17], 1886.
‘Progress Report, by the Director’, pp. ix-xl [Hector busy with Wellington Industrial Exhibition].
‘Coal Strata in Palmerston South, by Dr Hector’, pp. 182-184.

Reports of Geological Explorations during 1886-87, [no. 18], 1887.

Reports of Geological Explorations during 1887-88, [no. 19], 1888.

Reports of Geological Explorations during 1888-89, [no. 20], 1890.

Reports of Geological Explorations during 1890-91, [no. 21], 1891.
‘Minerals of New Zealand, by Sir James Hector’, pp. 105-120.

Reports of Geological Explorations during 1892-93, [no. 22], 1894.
‘Progress Report, by the Director’, pp. x-xliii [Hector exploring Northern Auckland for one month, p. x].
Part 5: Geological Maps

When he was appointed to set up the New Zealand Geological Survey in 1865, James Hector hoped to publish a set of coloured geological maps of different regions that would be similar to geological maps then being produced in Great Britain and several European countries. Unfortunately it proved too expensive and time-consuming to produce many coloured maps, and most of the geological maps published by the Geological Survey in the 19th century were simplified and reduced black-and-white versions in the Reports of Geological Explorations. The hand-coloured originals were held for many years by the Geological Survey, and have now been transferred to Archives New Zealand, where they are mainly part of collection W4464. Claren Kidd’s compilation of New Zealand geological maps includes details of surviving manuscript maps produced during the years that Hector was in charge of the Geological Survey. Although many of the maps bear Hector’s name (and sometimes his signature) as Director of the Geological Survey, most were produced by others.

From 1865 onwards, one of Hector’s major preoccupations was to prepare and publish a national geological map of New Zealand. Four different versions were produced, progressively revised as more information came to hand.

The following short list includes maps produced by Hector, specifically for colour publication (although not all were actually published).

Hector, J 1864: Geological map of the Province of Otago, New Zealand. Display map held in the Hocken Collections, University of Otago library. The map can be viewed online at: [http://www.otago.ac.nz/library/treasures/hector/index.html](http://www.otago.ac.nz/library/treasures/hector/index.html)

Hector, J. 1865: Sketch map of the geology of New Zealand. Manuscript map held at Archives New Zealand, ABLP W4464 11, record 1584 (R17916934)

Hector J. 1866: Geological sketch map of the northern district of the Province of Auckland. Manuscript map held at Archives New Zealand, ABLP W4464 Box 33. The map can be viewed on line at: [http://cdn.onlinehosting.co.nz/~gsnz/siteadmin/uploaded/gs_downloads/MP133G.pdf](http://cdn.onlinehosting.co.nz/~gsnz/siteadmin/uploaded/gs_downloads/MP133G.pdf) The Northland geological map is on page 54

Hector, J. 1869: Sketch map of the geology of New Zealand. Single sheet, published by New Zealand Geological Survey. Copy held at Archives New Zealand, ABLP W4464 8 record 1477 (R17916896)

Hector, J. 1873: Geological sketch map of New Zealand. Single sheet published by New Zealand Geological Survey. Copy held at Archives New Zealand, ABLP W4464 7 record 1429 (R17916894)

Hector, J. 1883: Geological map of New Zealand. Published as a sheet bound into Reports of Geological Exploration during 1883-84

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Part 6: Scientific papers published by James Hector

This list includes papers published in recognised scientific journals as well as a few other items that might be overlooked, and is arranged in chronological order.


Hector, J. 1861: Notes on the geology of Captain Palliser’s expedition in British North America. *British Association for the Advancement of Science 30th annual meeting*: 80-81.


Hector, J. 1862: On the capabilities for settlement of the central parts of British North America. 1861. *British Association for the Advancement of Science 31st annual meeting*: 195.


Hector, J. (1877): What do we know of the South Pole, *Supplement to the New Zealand Times*, 31 March 1877.


Hector, J. (1879): Geology of New Zealand, [abstract of lecture before the Royal Society of New South Wales], *Sydney Morning Herald*, 4 S.


Hector, J. (1885): [Climate of New Zealand. Table of averages for several years], *Meteorologische Zeitschrift*, 20, p. 310.


Hector, J. (1886): Notes on the occultation of Jupiter and its satellites, 16th April, 1886, as observed at Petone, New Zealand [abstract], *Transactions and Proceedings of the New Zealand Institute XIX*, p. 589.


Hector, J. (1886): Dr. Hector on the Mount Tarawera eruptions [abstract], *Evening Post*, Wellington, 1 July 1886.


Hector, J. (1887): [On the auriferous deposit lately found west of Te Aroha], *Nature*: 37, p. 16.


Hector, J. (1898): Presidential address [to Section E (Geography) of the Australasian Association for the Advancement of Science, on submarine geography], *Australasian Association for the Advancement of Science, Reports*: pp.665-672.

Hector, J. (1898): Presidential address [Abstract: to Section E (Geography) of the Australasian Association for the Advancement of Science, on submarine geography], *Nature* 57, pp. 495-496.


Hector, J. (1900): Early Explorations and Colonisation of Western Canada [summary], *Transactions and Proceedings of the New Zealand Institute XXXIII*: pp. 552-554.


Once the Colonial Museum was firmly established, Hector started to produce a series of catalogues and handbooks covering the flora and fauna of New Zealand. He also compiled four editions of ‘The Handbook of New Zealand’ between 1879 and 1886. This following list has been compiled from catalogues produced by T.W. Kirk and J. Yaldwyn, with some minor modifications and additions. Yaldwyn numbered the publications, but as these numbers have never been used, we have not reproduced them.

Hector was the author of only a small number of the publications listed below, but was closely involved with initiating them, obtaining funding and editing almost all of them.


Hutton, F.W. 1871: Catalogue of the birds of New Zealand, with diagnoses of the species. (James Hughes, Printer, Wellington). 85 pages


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Martens, E. von. 1873. Critical list of the Mollusca of New Zealand contained in European collections, with references to descriptions and synonyms. (James Hughes, Printer, Wellington). 1873. 60 pages.


Buchanan, J. 1880. The indigenous grasses of New Zealand. (Government Printer), [Issued in three fascicles, 1878, 1879, 1880]. 192 pages.


Part 8: James Hector’s contributions to major exhibitions

Hector was interested in large-scale exhibitions as a way of disseminating information about industries and natural resources as well as publicity for his growing museum. Between 1864 and 1890 he devoted a large amount of time to the organisation of different exhibitions. His individual contribution is often hard to identify as many exhibition catalogues do not identify authors. The list below is based largely on a collection of exhibition catalogues and reports held in the library of GNS Science, supplemented by reports published in the AJHRs, and is almost certainly incomplete.


**New Zealand Industrial Exhibition, 1865, Dunedin**

Hector was one of 14 commissioners, but he and Dr Alfred Eccles were the only two who worked full-time on exhibition preparation and administration. The exhibition included large collections of rocks, mineral and plants made by the Otago Geological Survey.


**Colonial & Vienna Exhibition, 1872-1873, Christchurch Weltausstellung, 1873, Vienna**

The New Zealand government agreed to contribute a display to an international exhibition to be held in Vienna in 1873. The Colonial and Vienna exhibition was held in Christchurch over the 1872-73 summer to collect together material that would be used in the New Zealand display at the Vienna exhibition. Haast was on the Christchurch-based Executive Committee. Hector sent a large collection of rocks, minerals and flax products from the Colonial Museum.

- Catalogue of Colonial and Vienna Exhibition held in Christchurch, Canterbury, New Zealand, 1872-73.

- The Vienna Exhibition (Papers Relating to). *Appendices to the Journal of the House of Representatives H-5: 1-23 (1873)*  
  [Includes memos by Hector on exhibit selection and arrangement, pp. 4-5]

At the close of the exhibition much of the New Zealand material was shipped to London where it was put into storage. Hector retrieved some of the items to use in the 1876 Philadelphia Exhibition.
Centennial Exhibition, Philadelphia USA, 1876
To mark the centenary of the declaration of the Declaration of Independence, the USA organised a large international exhibition in Philadelphia in 1876, and the New Zealand government agreed to take part. James Hector, who was already in London, was asked to be executive commissioner responsible for organising the exhibition. Some material was shipped from New Zealand; some was re-used from the 1873 Vienna exhibition, and Hector assembled some New Zealand material that was already held in US museums. Hector’s letters about the exhibition have been transcribed, and give a detailed account of the problems he had to overcome.\(^9\)

Philadelphia Centennial Exhibition of 1876.  
*Appendices of the Journals of the House of Representatives H23:* 1-64 (1877).  
[Report by Hector on the exhibition]

Exposition Universelle, Paris, 1878
Although Hector recommended that New Zealand be represented at the Paris Exhibition, the government eventually decided not to send an exhibit.

[Memo by Hector (p. 1) outlining how items should be collected and prepared for the Exhibition].

International Exhibition, Sydney, 1879-80
Hector was executive commissioner, responsible for the New Zealand court, which included a large display of specimens from the Colonial Museum. Hector prepared the first edition of the Handbook of New Zealand for distribution at the exhibition.


Sydney International Exhibition, 1879 (Papers Relative to the).  
*Appendices to the Journals of the House of Representatives H-13:* 1-13 (1879)  
[Hector, as Executive Commissioner, reported on selection of items for the exhibition.]

Sydney International Exhibition, 1879 (Further Papers Relative Thereto).  
*Appendices to the Journals of the House of Representatives H-5:* 1-8 (1880)  
[Hector reported on his journey to Sydney and described the exhibition.]

*Appendices to the Journals of the House of Representatives H5A:* 1-11  (1880)  
[Hector reported on the closing of the exhibition.]

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\(^{10}\) We have not seen a copy of the official catalogue, which was printed in Philadelphia. In correspondence Hector commented that the catalogue did not bear much resemblance to what was actually displayed.

**International Exhibition, Melbourne, 1880-81**
Hector was one of the vice-presidents of the exhibition as well as being executive commissioner for New Zealand. Many of the exhibits from the Sydney exhibition were moved directly to Melbourne. Hector prepared the second edition of the Handbook of New Zealand for distribution at the exhibition.


Melbourne International Exhibition, 1880 (Papers Relating to the). *Appendices to the Journals of the House of Representatives H-5A: 1-18* [Includes several reports by Hector on the exhibition]


**New Zealand Industrial Exhibition, Wellington, 1885**
Although Hector apparently did not have an official position on the organising committee, the *Report of Geological Exploration for 1885* mentions that he spent several months on preparing displays, and he is mentioned specifically in the Governor’s opening speech as one of the key people associated with the exhibition.


**Indian and Colonial Exhibition, London, 1886**
Although Hector was one of the one of the commissioners for the exhibition, Haast was appointed executive commissioner, and he organised most of the exhibits and travelled to London. Hector prepared the geological exhibits from the collections of the Colonial Museum, as well as a revised version of the Handbook of New Zealand.


**Centennial International Exhibition, Melbourne, 1888-1889**
Hector was vice president of the New Zealand Commission as well as executive commissioner.


**New Zealand and South Seas Exhibition, Dunedin, 1889-1890**
Hector was vice president, and contributed a large display from the Colonial Museum.

- Official Record of the New Zealand and South Seas Exhibition held at Dunedin, 1889-90. Geo Didsbury, Government Printer, Wellington. 117 pages

**Industrial Exhibition, Christchurch, 1895**
Hector was asked by the government to report on the exhibition. He gave a very positive report.

Part 9. Annual reports signed by Hector

Hector produced annual reports for all the organisations he controlled. This must have been a major commitment of time every year. Many of the reports were probably compiled by his clerk and administrator, Richard Gore, but there is good evidence that Hector checked and amended every report before he signed it off.

The New Zealand Institute was the parent organization that controlled the Colonial Museum, the Colonial Laboratory, the Geological Survey, the Colonial Observatory and the Colonial Botanical Gardens. These organisations are usually mentioned in the NZI reports, but more detail is given in the individual reports.

The work of the Geological Survey was described in the annual reports of Geological Exploration (RGE), which are listed in Part 4.

After 1892 Hector was aging and becoming overwhelmed by his responsibilities. After a change of government, the Geological Survey and Colonial Laboratory were taken out of his control. From this time onwards his reports became shorter, and in some years he produced only the annual report of the New Zealand Institute.

Colonial Museum


In 1892 there was a major reorganization, and the Geological Survey and Colonial Laboratory were moved from Hector’s control. The 28th to 31st Reports of the Colonial Museum were apparently never published, although the reports of the Colonial Laboratory continued to be published in the same numbering series as the Museum reports. The Museum was, however, mentioned in the annual reports of the New Zealand Institute. In 1898 a separate report was produced for the Museum:

Hector, J. (1898), 32nd Annual Report on the Colonial Museum together with a list of donations and deposits to 1st July 1898, New Zealand Institute, Colonial Museum and Geological Survey of New Zealand, Wellington.

This was the last separate report for the Colonial Museum produced while Hector was Director, although the museum continued to be covered in the annual reports of the New Zealand Institute.

New Zealand Institute

a. Parliamentary Reports


Hector was overseas during 1874-1874 and Walter Mantell was acting Manager.

Hector, J. (Manager) (1876-1887): Eighth [to] Nineteenth Annual Report of the New Zealand Institute, Appendix to the Journals of the House of Representatives, [various locations in H].

Hector was overseas in 1888 and Walter Mantell was acting Manager.

Hector, J. (Manager) (1889-1903): Twenty-First [to] Thirty-Fifth Annual Report of the New Zealand Institute, Appendix to the Journals of the House of Representatives, [various locations in section H].

b. Transactions & Proceedings of the New Zealand Institute

As well as the Parliamentary Reports, the annual Transactions and Proceedings of the New Zealand Institute contain annual reports which largely duplicate the Parliamentary Reports, but sometimes contain more detail, especially about acquisitions at the Colonial Museum.

Volume 3 of the Transactions and Proceedings of the New Zealand Institute (1870) contains the first and second annual reports for 1868 and 1869. There after each annual volume contains the annual report for the preceding year, signed by James Hector as Manager. The last report he signed was volume 36 (1904), containing the 35th annual report for 1903.

Hector retired as Manager of the New Zealand Institute in 1903, but was appointed President in early 1906 to replace F.W. Hutton who had died suddenly. His report for 1906, signed as President, is Hector’s last publication:

Colonial Botanic Garden


Hector was overseas in 1875, and Walter Mantell was acting Manager


*Hector was overseas and Walter Mantell was Acting Manager for 1888*


Meteorological Records


University of New Zealand

Hector was Chancellor of the University of New Zealand from 1885-1903, and signed the annual report each year during this period in the AJHR:

Part 10: Unpublished material produced by James Hector

Although this compilation is primarily concerned with published material produced by James Hector – that is, material written to be seen by others and released for publication – there is an equally large volume of unpublished material. This includes correspondence and a variety of documents, and maps. Hector was a conscientious correspondent for over 40 years in public life, and his letters are held in a number of archives, both in New Zealand and overseas. Recently seven collections of letters have been transcribed and published as parts of *Geoscience Society of New Zealand miscellaneous publication* 133. These are available as PDF files from the Geoscience Society website, [www.gsnz.org.nz](http://www.gsnz.org.nz), and can also be accessed directly through the highlighted links below:


"A Quick Run Home": Correspondence while James Hector was overseas in 1875-1876 by Rowan Burns & Simon Nathan. *Geoscience Society of New Zealand miscellaneous publication* 133E, 144 pages.

Transcriptions of selected letters from Frederick Wollaston Hutton to James Hector and Julius Haast by Esme Mildenhall, Rowan Burns & Simon Nathan. *Geoscience Society of New Zealand miscellaneous publication* 133F (2nd edition), 175 pages.


Letters from James Farmer to James Hector, 1876-1891 by Esme Mildenhall & Simon Nathan. Geoscience Society of New Zealand miscellaneous publication 133-I, 133 pages.


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12 Click on Publications tab (near top of page), then click on Misc. Pub Series
13 Click on Publications tab (near top of page), then click on Misc. Pub Series
Although letters from James Hector are held in many archives, most of the unpublished Hector material not included in the collections of letters listed above is held in four main collections:

**Hocken Collection, University of Otago**
James Hector’s personal papers, held at his home, were collected together about 1930 by his second son, Charles Monro Hector who planned to write a biography of his father. Unfortunately Charles Hector died soon afterwards, and his widow presented the papers to the Hocken Library in Dunedin where they form collection ARC-008. This collection includes notebooks, correspondence, reports and photographs, including material covering the Palliser expedition to western Canada.

**Te Papa archives, Wellington**
When Hector arrived in Dunedin in 1862, the first appointment he made was his clerk, Richard Gore, who worked for him for 40 years, both at the Otago Geological Survey and at the Colonial Museum. Gore systematically filed all official letters and papers for the organisations that Hector controlled, and these are now preserved in the Te Papa archives. This archive contains material about the Otago Geological Survey as well as day-to-day correspondence at the Colonial Museum and details of papers submitted to the *Transactions of the New Zealand Institute*. Te Papa archives also holds most of Hector's medals and other honours, presented by the family in the 1930s.

**Archives New Zealand, Wellington**
Geological maps prepared by the Geological Survey while Hector was in charge are held at Archives New Zealand. They are included in a comprehensive list of archival and manuscript maps prepared by Claren Kidd.\(^\text{14}\)

**Alexander Turnbull Library, Wellington**
A variety of letters and documents from Hector are held in different collections, including the Haast family papers and the Mantell family papers. There are also photographs of James Hector and his family in the photographic collections (although not all the photographs of him listed in the catalogue are correctly identified).

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Part 11. Publications about James Hector

The following list includes all the major publications about James Hector, or those that mention some of his achievements. It is presented in chronological order. A few obituaries were published immediately after his death, but relatively little was written until 1965, the centenary of his appointment as the first government-employed scientist and founder of many of New Zealand’s scientific organisations.


Nathan, S., & Varnham, M. (2008). *The Amazing World of James Hector* Wellington: Awa Science.  This volume includes the following articles:
  - Introduction by Hamish Campbell (p. 1-8)
  - Surveying Canada: the Palliser Expedition by Peter Hector (p. 9-26)
  - Exploring the South: Otago Provincial government by Tony Hocken (p. 27-36)
  - Displaying Natural History: Colonial Museum by Conal McCarthy (p. 49-62)
  - Promoting Science: New Zealand Institute by Francis Lucian Reid p. 63-72
  - Colonial Botanic Garden by Winsome Shepherd & Walter Cook (p. 73-82)
  - Meteorological Department & Colonial Observatory by Jock Phillips (p. 83-94)
  - University of New Zealand by Tim Beaglehole (p. 95-104)
  - Running the Show: Scientific Empire by Simon Nathan (p. 105-112)
  - Studying Plants and Animals by George Gibbs (p. 113-126)
  - Unveiling the past: vertebrate fossils by Ewan Fordyce (p.127-138)
  - Settling Down: Husband and Father by Chris Hector (p. 139-148)
  - Living at Ratanui by John Adam & Louise Beaumont (p. 149-156)
  - Being Honoured by Simon Nathan (p. 157-163)
  - Plant & Animal Names that Commemorate James Hector (p. 168-174)

