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Bertrum H. MacDonald et David Kaunelis

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The Literature on the History of Science and Technology in Canada: 1992–1994



BERTRUM H. MACDONALD and
DAVID KAUNELIS

INTRODUCTION

This bibliography consists of over 260 records extracted from the database of an ongoing project, which when completed will result in the most comprehensive reference source for publications concerned with the history of science and technology in Canada. The project is funded by a three year (1994-1997) research grant from the Social Sciences and Humanities Research Council of Canada and is based at Dalhousie University. A national editorial advisory board supports the project.

For the present bibliography we have extracted from the database those records published in 1992, 1993, and 1994; but we wish to caution our readers that the coverage of this period is not complete. Only those records that were in our database as of 1st November 1994 have been included here. We expect that when the period is fully covered the number of records will more than double. Since relevant publications are subjected to rigorous examination before records are created in our database, not all publications from 1992 to 1994 have as yet been so examined.

The records below cover a wide range of topics on the history of science and technology in Canada. Graduate theses have been included to provide thorough coverage. The brief records (the full entries in the database are more extensive) are designed to alert readers to relevant publications with minimum reference points.

The bibliographic records have been organized according to subject using modified subject descriptors from our database. The

subject classification has been developed specifically for this project in consultation with the national Editorial Advisory Board. An outline of the subject classification (abbreviated for the present bibliography) has been reproduced below to guide the reader through the hierarchical structure. A record will appear under as many subject headings as are relevant, and thus a record can have more than one record number. Within each subject category, records are sorted by author and then by title. Publications without authors are listed ahead of those with authors. At the end of the subject listing we have provided an author index. The boldface record number in each case refers the reader to the first occurrence of each unique record. Record numbers in normal face refer the reader to a record which has been duplicated under other relevant subject headings.

We anticipate that when the database for this project is closed in late 1995 the total number of records will be in excess of 10,000. Readers are encouraged to forward enquiries, corrections, or information about relevant publications to the authors at the School of Library and Information Studies, Faculty of Management, Dalhousie University, Halifax, Nova Scotia, Canada B3H 4H8; fax (902) 494-2451; e-mail: MacDonal@AC.DAL.CA.

SUBJECT CLASSIFICATION OUTLINE

A. *History of Science*

- 1 General Reference Works
 - 1.1 Bibliographies and Bibliographical Tools
 - 1.2 Biographical and Autobiographical Works
- 2 General Works or Treatments
- 3 Science and Its History from Special Points of View
 - 3.1 Humanistic Relations of Science
 - 3.2 Philosophy of Science and Methods of Science
 - 3.3 Scientific Education
 - 3.4 Scientific Institutions
 - 3.4.1 Archives
 - 3.4.2 Associations and Societies
 - 3.4.3 Government Agencies
 - 3.4.4 Libraries
 - 3.4.5 Museums
 - 3.4.6 Parks
 - 3.5 Social Relations of Science
 - 3.6 Women in Science
- 4 Specific Sciences
 - 4.1 Biological Sciences

- 4.2 Earth Sciences
- 4.3 Travel and Exploration
- 4.4 Natural History
- 4.5 Physical Sciences — General Works
 - 4.5.1 Astronomy
 - 4.5.2 Chemistry
 - 4.5.3 Physics
- 5 Ancillary Disciplines
 - 5.1 Archaeology
- B. *History of Technology***
 - 6 General Reference Works
 - 6.1 Bibliographies and Bibliographical Tools
 - 6.2 Biographical and Autobiographical Works
 - 7 General Works or Treatments
 - 8 Technology and Its History from Special Points of View
 - 8.1 Humanistic Relations of Technology (Technology and Culture)
 - 8.2 Social Relations of Technology
 - 8.3 Technical Education
 - 8.4 Technical Institutions — General Works
 - 8.4.1 Associations and Societies
 - 8.4.2 Government Agencies
 - 8.4.3 Libraries
 - 8.4.4 Mechanics' Institutes
 - 8.4.5 Museums
 - 8.4.6 Parks
 - 8.5 Women in Technology
 - 9 Specific Technologies
 - 9.1 Architecture and Urban Construction
 - 9.2 Communications Technology — General Works
 - 9.2.1 Film and Moving Image
 - 9.2.2 Phonographs and Recorders
 - 9.2.3 Photography
 - 9.2.4 Printing and Publishing
 - 9.2.5 Radio
 - 9.2.6 Telegraphy
 - 9.2.7 Telephone and Telecommunications
 - 9.2.8 Transmission (Fibre Optic, Satellite, Cable, etc.)
 - 9.3 Computers and Computing
 - 9.4 Household Technology
 - 9.5 Manufacturing Industries — General Works
 - 9.5.1 Brewing and Distilling
 - 9.5.2 Coal, Natural Gas, and Petroleum Products
 - 9.5.3 Electrical and Electronic Equipment
 - 9.5.4 Food Processing, Packaging, and Storage
 - 9.5.5 Glass, Ceramics, and Cement
 - 9.5.6 Heavy Equipment

- 9.5.6.1 Agricultural
- 9.5.6.2 Transportation
- 9.5.7 Metals: Metallurgy
- 9.5.8 Paper
- 9.5.9 Textiles and Allied Products
- 9.5.10 Timber and Wood
- 9.6 Mechanical and Electro-Mechanical Technology
 - 9.6.1 Cranes, Rigging, and Moving of Heavy Objects
 - 9.6.2 Handtools and Machine Tools
 - 9.6.3 Scientific Instruments
 - 9.6.4 Timekeepers
- 9.7 Military Technology
- 9.8 Native Technologies
- 9.9 Natural Resources — General Works
 - 9.9.1 Agriculture
 - 9.9.2 Fisheries
 - 9.9.3 Forestry
 - 9.9.4 Mining and Metallurgy
 - 9.9.5 Petroleum and Natural Gas Extraction
 - 9.9.6 Trapping and Hunting
- 9.10 Power Technology
- 9.11 Surveying (for Boundaries, Settlement and Transportation)
- 9.12 Transportation — General Works
 - 9.12.1 Air and Space Transportation
 - 9.12.2 Land Transportation
 - 9.12.2.1 Rail
 - 9.12.2.2 Roads, Bridges, and Tunnels
 - 9.12.2.3 Urban
 - 9.12.2.4 Vehicles
 - 9.12.3 Water Transportation

C. Science and Technology and the Economy

D. Science and Technology in Public Policy

E. Science and Technology in Urban Settings

F. General Reference Works

THE BIBLIOGRAPHY

A. History of Science

1.1 Bibliographies and Bibliographical Tools

1 Conzen, Michael P.; Thomas A. Rumney; and Graeme Wynn, 1946-, ed. *A scholar's guide to geographical writing on the American and Canadian past*. Chicago: University of Chicago Press, 1993. xiii, [1], 741 p. ill. ISBN 0-226-11569-0. (University of Chicago Geography Research Papers, no. 235).

2 Elkhaden, Hossam; Jean-Paul Heerbrant; Liliane Wellens-De Donder; and Roger Calcoen. *Cartes des Amériques: dans les collections de la Bibliothèque Royale Albert Ier*. Brussels: Bibliothèque Royale Albert Ier, 1992. xxxii, 169 p. ill.

3 Grant, Laurence. "Bibliography of Canadian museological publications since 1985," *Muse* 10, no. 2/3 (summer/fall 1992): 174-9.

4 Judd, William W., 1915-. *More naturalists and their work in southern Ontario*. London, ON: The Hearn/Kelly Printing Company Ltd., 1992. iv, 60 p. ill. ISBN 0-9696499-0-8.

5 Sheets-Pyenson, Susan, 1949-. *Index to the scientific correspondence of John William Dawson*. Oxfordshire, UK: British Society for the History of Science, 1992. [viii], 274, [1] p. ISBN 0-906450-07-1. (BSHS Monograph, no. 7).

6 Spry, Irene M.; and Bennett McCardle, 1953-. *Records of the Department of the Interior*. Regina: Canadian Plains Research Center, University of Regina, 1993. xii, 198 p. ill. ISBN 0-88977-061-1. (Canadian Plains Studies, no. 24).

7 Wynn, Graeme, 1946-. "Geographical writing on the Canadian past," in *A scholar's guide to geographical writing on the American and Canadian past*. Michael P. Conzen, Thomas A. Rumney, and Graeme Wynn, 1946-, ed. Chicago: University of Chicago Press, 1993. p. 91-125. (University of Chicago Geography Research Papers, no. 235).

1.2 Biographical and Autobiographical Works

8 Ainley, Marianne Gosztonyi, 1937-. *Restless energy: a biography of William Rowan, 1891-1957*. Montreal: Véhicule Press, 1993. [1], 368 p. ill. ISBN 1-55065-027-0.

9 Barendregt, R. W.; M. C. Wilson; and F. J. Jankunis, ed. *Palliser Triangle: a region in space and time*. Lethbridge: Department of Geography, University of Lethbridge, 1993. 281 p.

10 Barr, William. "The career and disappearance of Hans K.E. Krüger, Arctic geologist, 1886-1930," *The Polar Record* 29, no. 171 (Oct. 1993): 277-304. ill.

11 Boyle, R. W. "Geochemistry in the Geological Survey of Canada 1842-1952," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 129-41. ill.

12 Bunyan, Ian; Jenni Calder; Dale Idiens; and Bryce Wilson. *No ordinary journey: John Rae, Arctic explorer, 1813-1893*. Montreal; Kingston: McGill-Queen's University Press, 1993. xii, 116 p. ill. ISBN 0-7735-1106-7.

13 Copeland, M. J. "Elkanah Billings (1820-1876) and Joseph F. Whiteaves (1835-1909): the first two paleontologists of the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 107-10. ill.

14 Croft, L. R. "P. H. Gosse in Newfoundland and Lower Canada, 1827-1838," *Archives of Natural History* 20, no. 1 (Feb. 1993): 1-29. ill.

15 Gussow, William C. "The trials and tribulations of the Geological Survey of Canada in the first half of the twentieth century and some comments on members of its staff that I knew personally," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 90-8.

16 Kennedy, J. E.; and W. O. (Walter Oscar) Kupsch, 1919-. "A Canadian life with geomagnetism: the research of Frank T. Davies," in *The earth, the heavens, and the Carnegie Institution of Washington*. Gregory A. Good, ed. Washington, DC: American Geophysical Union, 1994. p. 165-9. ill. (History of Geophysics, no. 5).

17 Michel, Robert. "Diaries from the McGill University Archives — a sampling," *Fontanus* 5 (1992): 33-53.

18 O'Brien, Patrick. *Joseph Banks. A life*. Boston: David R. Godine, Publisher, 1993. 328 p. ill.

19 Rayner-Canham, Marelene F.; and Geoffrey W. Rayner-Canham. *Harriet Brooks: pioneer nuclear scientist*. Montreal: McGill-Queen's University Press, 1992. ix, [11], 168 p. ill. ISBN 0-7735-0881-3.

20 Sarjeant, William A. S. "Alice Wilson, first woman geologist with the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 122-8. ill.

21 Sheets-Pyenson, Susan, 1949-. "Horse race: John William Dawson, Charles Lyell, and the competition over the Edinburgh natural history chair in 1854-1855," *Annals of Science* 49, no. 5 (Sept. 1992): 461-77.

22 Spalding, David A. E., 1937-. *Dinosaur hunters*. Toronto: Key Porter Books, 1993. ix, 310 p. ill. ISBN 1-55013-300-4.

23 Vick, Roger. "William McCalla, naturalist," *Alberta History* 41, no. 3 (summer 1993): 19-21. ill.

24 Young, Kathryn A. "Crown agent-Canadian correspondent: Michel Sarrazin and the Académie Royale des Sciences, 1697-1734," *French Historical Studies* 18, no. 2 (fall 1993): 416-33.

2 General Works or Treatments

25 Bolotenko, George, 1946-. *A future defined: Canada from 1849 to 1873*. Ottawa: National Archives of Canada, 1992. xv, 253 p. ill. ISBN 0-660-14411-5. (Records of Our History).

26 Bravo, M. T. "Science and discovery in the Admiralty voyages to the Arctic Regions in search of a North-West Passage (1815-1825)," Cambridge, UK: Cambridge University, 1992 (Ph.D. dissertation).

27 Jarrell, Richard A., 1946-. "Towards Kingston 25: some desiderata for the field," *Scientia Canadensis* 16, no. 2 (1992): 123-7.

28 Levere, Trevor Harvey. *Science and the Canadian Arctic: a century of exploration, 1818-1918*. Cambridge, UK: Cambridge University Press, 1993. xiv, 438 p. ill. ISBN 0-521-41933-6.

3.1 Humanistic Relations of Science

29 Cook, Jenny. "Bringing the outside in: women and the transformation of the middle-class Maritime Canadian interior, 1830-1860," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 36-49. ill.

- 30 Croft, L. R. "P. H. Gosse in Newfoundland and Lower Canada, 1827-1838," *Archives of Natural History* 20, no. 1 (Feb. 1993): 1-29. ill.
- 31 Dickenson, Victoria. *First impressions: European views of the natural history of Canada from the 16th to the 19th century/Premiers regards: impressions européennes de l'histoire naturelle au Canada du 16e au 19e siècle*. Kingston: Agnes Etherington Art Centre, 1992. 131 p. ill.
- 32 Dunlap, Thomas R. "The realistic animal story: Ernest Thompson Seton, Charles Roberts, and Darwinism," *Forest Conservation History* 36 (1992): 56-62.
- 33 Eagan, William E. "Reading the 'Geology of Canada': geological discourse as narrative," *Scientia Canadensis* 16, no. 2 (1992): 154-64.

3.2 Philosophy of Science and Methods of Science

- 34 Numbers, Ronald L. *The creationists*. New York: Alfred A. Knopf, 1992. xviii, 458 p. ill. ISBN 0-679-40104-0.

3.3 Scientific Education

- 35 Carter, John C. "The evolution of museums and education in Ontario," *Ontario Museum Annual* 1 (1992): 29-34.
- 36 Carter, John C. "Ryerson, Hodgins, and Boyle: early innovators in Ontario school museums," *Ontario History* 86, no. 2 (June 1994): 109-31. ill.
- 37 Duchesne, Raymond. "La France et l'émergence des sciences modernes au Canada française (1900-1940)," in *Science and empires: historical studies about scientific development and European expansion*. Patrick Petitjean, Catherine Jami, and Anne Marie Moulin, ed. Dordrecht: Kluwer Academic Publishers, 1992. p. 331-8. (Boston Studies in the Philosophy of Science, no. 136).
- 38 Gleason, Mona. "'A separate and 'different' education': women and coeducation at the University of Windsor's Assumption College, 1950-1957," *Ontario History* 84, no. 2 (June 1992): 119-31.
- 39 McKillop, A. B., 1946-. *Matters of mind: the university in Ontario, 1791-1951*. Toronto: University of Toronto Press, 1994. xxv, [1], 716 p. ill. ISBN 0-8020-0424-5. (Ontario Historical Studies Series).
- 40 Sheets-Pyenson, Susan, 1949-. "Horse race: John William Dawson, Charles Lyell, and the competition over the Edinburgh natural history chair in 1854-1855," *Annals of Science* 49, no. 5 (Sept. 1992): 461-77.
- 41 Soltan, H. C. (Hubert C.), ed. *Medical genetics in Canada: evolution of a hybrid discipline: essays on the early history*. London, ON: University of Western Ontario, Regional Medical Genetics Centre, 1992. [2], 259 p. ill. ISBN 0-7714-1364-5.

3.4.1 Archives

- 42 Dahl, Edward H. "Useless charts — great historical documents!" *The Archivist/l'Archiviste* 19, no. 3 (1992): 14-5. ill.
- 43 Kidd, Betty. "The audio-visual record and surveying," *The Archivist/l'Archiviste* 19, no. 3 (1992): 16. ill.

- 44 Michel, Robert. "Diaries from the McGill University Archives — a sampling," *Fontanus* 5 (1992): 33-53.
- 45 Murray, Jeffrey S. "Exposing Canada's underground — 150 years of geological survey," *The Archivist/l'Archiviste* 19, no. 3 (1992): 2-4. ill.
- 46 Sheets-Pyenson, Susan, 1949-. *Index to the scientific correspondence of John William Dawson*. Oxfordshire, UK: British Society for the History of Science, 1992. [viii], 274, [1] p. ISBN 0-906450-07-1. (BSHS Monograph, no. 7).

3.4.2 Associations and Societies

- 47 Broughton, R. Peter, 1940-. *Looking up: a history of the Royal Astronomical Society of Canada*. Toronto: Dundurn Press, 1994. xiv, 288 p. ill. ISBN 1-55002-208-3.
- 48 Doane, Frances W.; G. T. Simon; and J. H. L. Watson. *Canadian contributions to microscopy: an historical account of the development of the first electron microscope in North America and the first 20 years of the Microscopical Society of Canada/Société de microscopie du Canada*. Toronto: The Society, 1993. v, 70 p. ISBN 0-920622-23-2.
- 49 Doherty, Ken. "The common thread: one hundred and fifty years of museums in Peterborough," *Ontario History* 86, no. 2 (June 1994): 133-48. ill.
- 50 Killan, Gerald, 1945-; and George Warecki. "The Algonquin Wildlands League and the emergence of environmental politics in Ontario, 1965-1974," *Environmental History Review* 17, no. 4 (1992): 1-27.
- 51 Marcil, Claire. "Les sciences naturelles au Québec: la persistance d'un engouement," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 50-6. ill.
- 52 Peacock, Jim. *The Vancouver Natural History Society, 1918-1993*. Vancouver: Vancouver Natural History Society, 1993. [4], 104 p. ill.
- 53 Smith, Julian A. "Charles Potter, optician and instrument maker," *The Journal of the Royal Astronomical Society of Canada* 87, no. 1 (Feb. 1993): 14-33. ill.

3.4.3 Government Agencies

- 54 Arai, Mary Needler. "Research on coelenterate biology in Canada through the early twentieth century," *Archives of Natural History* 19, no. 1 (1992): 55-68. ill.
- 55 Boyle, R. W. "Geochemistry in the Geological Survey of Canada 1842-1952," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 129-41. ill.
- 56 Cardinal, Louis. "Cartographic and hydrographic surveys in Canada: the sum of the parts," *The Archivist/l'Archiviste* 19, no. 3 (1992): 8-10. ill.
- 57 Christie, Nancy. "Sir William Logan's geological empire and the 'humbug' of economic utility," *The Canadian Historical Review* 75, no. 2 (June 1994): 161-204.

- 58 Copeland, M. J. "Elkanah Billings (1820-1876) and Joseph F. Whiteaves (1835-1909): the first two paleontologists of the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 107-10. ill.
- 59 Eagan, William E. "The Canadian Geological Survey: hinterland between two metropolises," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 99-106.
- 60 Fleming, Keith Robson, 1956-. *Power at cost: Ontario Hydro and rural electrification, 1911-1958*. Montreal; Kingston: McGill-Queen's University Press, 1992. xiv, 326 p. ill. ISBN 0-7735-0868-6.
- 61 Gingras, Yves, 1954-; and Michel Trépanier. "Constructing a tokamak: political, economic and technical factors as constraints and resources," *Social Studies of Science* 23, no. 1 (Feb. 1993): 5-36.
- 62 Gussow, William C. "The trials and tribulations of the Geological Survey of Canada in the first half of the twentieth century and some comments on members of its staff that I knew personally," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 90-8.
- 63 Hallett, Brian. "Map making at the Geological Survey of Canada," *The Archivist/l'Archiviste* 19, no. 3 (1992): 5-7. ill.
- 64 Kidd, Betty. "The audio-visual record and surveying," *The Archivist/l'Archiviste* 19, no. 3 (1992): 16. ill.
- 65 Kupsch, W. O. (Walter Oscar), 1919-. "GSC exploratory wells in the west 1873-1875," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 160-79. ill.
- 66 Lindsay, Debra J. (Debra Jean), 1955-. *Science in the Subarctic: trappers, traders and the Smithsonian Institution*. Washington, DC: Smithsonian Institution Press, 1993. xvii, 176 p. ill.
- 67 Murray, Jeffrey S. "Exposing Canada's underground — 150 years of geological survey," *The Archivist/l'Archiviste* 19, no. 3 (1992): 2-4. ill.
- 68 Robertson, Peter; and Andrew Rodger. "Photography and the Geological Survey of Canada," *The Archivist/l'Archiviste* 19, no. 3 (1992): 11-3. ill.
- 69 Sarjeant, William A. S. "Alice Wilson, first woman geologist with the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 122-8. ill.
- 70 Spry, Irene M.; and Bennett McCardle, 1953-. *Records of the Department of the Interior*. Regina: Canadian Plains Research Center, University of Regina, 1993. xii, 198 p. ill. ISBN 0-88977-061-1. (Canadian Plains Studies, no. 24).
- 71 Steeves, Brian. *The history of CISTI/L'histoire de l'ICIST*. Ottawa: Canada Institute for Scientific and Technical Information, National Research Council Canada, 1993. 49, [4] p. ill.

72 Tivy, Mary. "Ministering history to the community: the province of Ontario and the management of the past in community history museums," *Ontario History* 86, no. 2 (June 1994): 149-67. ill.

73 Vodden, Christy. *No stone unturned: the first 150 years of the Geological Survey of Canada*. Ottawa: Minister of Supply and Services, 1992. [3], ii, [1], 52 p. ill.

74 Wood, David. "Picturing conservation in Canada: the Commission of 1909-1921," *Archivaria* no. 37 (spring 1994): 64-74. ill.

75 Young, Kathryn A. "Crown agent-Canadian correspondent: Michel Sarrazin and the Académie Royale des Sciences, 1697-1734," *French Historical Studies* 18, no. 2 (fall 1993): 416-33.

3.4.4 Libraries

76 Doherty, Ken. "The common thread: one hundred and fifty years of museums in Peterborough," *Ontario History* 86, no. 2 (June 1994): 133-48. ill.

77 Steeves, Brian. *The history of CISTI/L'histoire de l'ICIST*. Ottawa: Canada Institute for Scientific and Technical Information, National Research Council Canada, 1993. 49, [4] p. ill.

3.4.5 Museums

78 *Past reflections: museum clippings*. Toronto: Ontario Historical Society, 1994. 80 p.

79 Baeker, Greg; Margaret May; and Mary Tivy. "Ontario museums in the 1990s," *Muse* 10, no. 2/3 (summer/fall 1992): 120-3.

80 Butler, Darrel. "Museum trends in New Brunswick," *Muse* 10, no. 2/3 (summer/fall 1992): 107-8.

81 Carle, Paul; Pascale Gagnon; and Michele Metzener. "Florian Crête, c.s.v., et le Musée éducatif de l'Institut des Sourds-Muets (1882-1970): vers une nouvelle muséologie scientifique," *Scientia Canadensis* 16, no. 1 (1992): 60-75. ill.

82 Carter, John C. "The evolution of museums and education in Ontario," *Ontario Museum Annual* 1 (1992): 29-34.

83 Carter, John C. "Ryerson, Hodgins, and Boyle: early innovators in Ontario school museums," *Ontario History* 86, no. 2 (June 1994): 109-31. ill.

84 Davies, Adriana Albi. "Museum development in Canada's prairie provinces: Manitoba, Saskatchewan, and Alberta," *Muse* 10, no. 2/3 (summer/fall 1992): 129-35.

85 Dickenson, Victoria. "A history of the national museums from their founding to the present day," *Muse* 10, no. 2/3 (summer/fall 1992): 56-63.

86 Doherty, Ken. "The common thread: one hundred and fifty years of museums in Peterborough," *Ontario History* 86, no. 2 (June 1994): 133-48. ill.

- 87 Dorais, Léo A. "Vingt ans de politique nationale des musées au Canada: de la démocratisation et décentralisation aux organismes spéciaux de service," *Muse* 10, no. 2/3 (été/automne 1992): 41-7.
- 88 Duncan, Dorothy. "From mausoleums to malls: what next?" *Ontario History* 86, no. 2 (June 1994): 107-18. ill.
- 89 Gagnon, Hervé. "Pierre Chasseur et l'émergence de la muséologie scientifique au Québec, 1824-36," *The Canadian Historical Review* 75, no. 2 (June 1994): 205-38.
- 90 Gagnon, Hervé. "Le projet avorté de musée d'histoire naturelle de la Montreal Library (1822-1827). Note de recherche sur l'histoire des premiers musées au Québec," *Cahiers d'histoire* 12, no. 2 (été 1992): 76-88.
- 91 Grant, Laurence. "Bibliography of Canadian museological publications since 1985," *Muse* 10, no. 2/3 (summer/fall 1992): 174-9.
- 92 Grattan, Patricia. "Galleries and museums in Newfoundland and Labrador: the past decade," *Muse* 10, no. 2/3 (summer/fall 1992): 90-1.
- 93 Hunston, Jeff. "Yukon museums: the changing context," *Muse* 10, no. 2/3 (summer/fall 1992): 165-8.
- 94 Lacroix, Laurie. "Les musées au Québec: vingt ans d'essor — vingt ans de misère?" *Muse* 10, no. 2/3 (été/automne 1992): 111-5.
- 95 MacDonald, Edward. "Up the hill backwards: Island museums since 1983," *Muse* 10, no. 2/3 (summer/fall 1992): 94-6.
- 96 Marcil, Claire. "Les sciences naturelles au Québec: la persistance d'un engouement," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 50-6. ill.
- 97 Mayer, Carol E. "Museums, galleries, and related institutions in British Columbia — an overview," *Muse* 10, no. 2/3 (summer/fall 1992): 145-8.
- 98 Newman, Murray A., 1924-. *Life in a fishbowl: confessions of an aquarium director*. Vancouver: Douglas & McIntyre, 1994. ix, 262 p. ill. ISBN 1-55054-125-0.
- 99 Patterson, Margaret Jean. "Northwest territories museology," *Muse* 10, no. 2/3 (summer/fall 1992): 155-8.
- 100 Stevenson, Candace. "Nova Scotia — a brief overview," *Muse* 10, no. 2/3 (summer/fall 1992): 101-3.
- 101 Teather, J. Lynne. "Museum-making in Canada (to 1972)," *Muse* 10, no. 2/3 (summer/fall 1992): 21-9.
- 102 Tivy, Mary. "Ministering history to the community: the province of Ontario and the management of the past in community history museums," *Ontario History* 86, no. 2 (June 1994): 149-67. ill.

3.4.6 Parks

- 103 Marcil, Claire. "Les sciences naturelles au Québec: la persistance d'un engouement," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 50-6. ill.

3.5 Social Relations of Science

104 Cook, Jenny. "Bringing the outside in: women and the transformation of the middle-class Maritime Canadian interior, 1830-1860," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 36-49. ill.

105 Pyenson, Lewis. *Civilizing mission: exact sciences and French overseas expansion, 1830-1940*. Baltimore: Johns Hopkins University Press, 1993. xxii, 377 p. ill.

3.6 Women in Science

106 Ainley, Marianne Gosztonyi, 1937-. "'Women's work' in Canadian chemistry," *Canadian Woman Studies/Les cahiers de la femme* 13, no. 2 (winter 1993): 43-6.

107 Gleason, Mona. "'A separate and 'different' education': women and coeducation at the University of Windsor's Assumption College, 1950-1957," *Ontario History* 84, no. 2 (June 1992): 119-31.

108 McKillop, A. B., 1946-. *Matters of mind: the university in Ontario, 1791-1951*. Toronto: University of Toronto Press, 1994. xxv, [1], 716 p. ill. ISBN 0-8020-0424-5. (Ontario Historical Studies Series).

109 Sarjeant, William A. S. "Alice Wilson, first woman geologist with the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 122-8. ill.

4.1 Biological Sciences

110 Ainley, Marianne Gosztonyi, 1937-. *Restless energy: a biography of William Rowan, 1891-1957*. Montreal: Véhicule Press, 1993. [1], 368 p. ill. ISBN 1-55065-027-0.

111 Arai, Mary Needler. "Research on coelenterate biology in Canada through the early twentieth century," *Archives of Natural History* 19, no. 1 (1992): 55-68. ill.

112 Bogue, Margaret Beattie. "To save the fish: Canada, the United States, the Great Lakes, and the Joint Commission of 1892," *Journal of American History* 79, no. 4 (Mar. 1993): 1429-54. ill.

113 Croft, L. R. "P. H. Gosse in Newfoundland and Lower Canada, 1827-1838," *Archives of Natural History* 20, no. 1 (Feb. 1993): 1-29. ill.

114 Doane, Frances W.; G. T. Simon; and J. H. L. Watson. *Canadian contributions to microscopy: an historical account of the development of the first electron microscope in North America and the first 20 years of the Microscopical Society of Canada/Société de microscopie du Canada*. Toronto: The Society, 1993. v, 70 p. ISBN 0-920622-23-2.

115 Duchesne, Raymond. "La France et l'émergence des sciences modernes au Canada française (1900-1940)," in *Science and empires: historical studies about scientific development and European expansion*. Patrick Petitjean, Catherine Jami, and Anne Marie Moulin, ed. Dordrecht: Kluwer Academic

Publishers, 1992. p. 331-8. (Boston Studies in the Philosophy of Science, no. 136).

116 Dunlap, Thomas R. "The realistic animal story: Ernest Thompson Seton, Charles Roberts, and Darwinism," *Forest Conservation History* 36 (1992): 56-62.

117 Estey, Ralph H. (Ralph Howard), 1916-. *Essays on the early history of plant pathology and mycology in Canada*. Montreal: McGill-Queen's University Press, 1994. xi, [1], 384 p. ill. ISBN 0-7735-1135-0.

118 Hooke, Kathy. "A memory walk through 50 years of human genetics," *Peterborough Historical Society Bulletin* no. 217 (Apr. 1994): [1-2].

119 Judd, William W., 1915-. *More naturalists and their work in southern Ontario*. London, ON: The Hearn/Kelly Printing Company Ltd., 1992. iv, 60 p. ill. ISBN 0-9696499-0-8.

120 Kidd, Jim. "Mercury alert — Grassy Narrows and Whitedog anti-mercury campaign," *The Archivist/l'Archiviste* 20, no. 1 (1993): 26-8. ill.

121 Killan, Gerald, 1945-; and George Warecki. "The Algonquin Wildlands League and the emergence of environmental politics in Ontario, 1965-1974," *Environmental History Review* 17, no. 4 (1992): 1-27.

122 Killan, Gerald, 1945-. *Protected places: a history of Ontario's provincial parks system*. Toronto: Dundurn Press in association with the Ontario Ministry of Natural Resources, 1993. xiii, [1], 426 p. ill. ISBN 1-55002-180-X.

123 Knötsch, Carol Cathleen. "Franz Boas' research trip to Baffin Island 1882-1884," *Polar Geography and Geology* 17, no. 1 (Jan./Mar. 1993): 3-54. ill.

124 Lemco, Jonathan, ed. *The Canada-United States relationship: the politics of energy and environmental coordination*. Westport, CT: Praeger Publishers, 1992. viii, [4], 222, [1] p. ISBN 0-275-94239-2.

125 Lemco, Jonathan, ed. *Tensions at the border: energy and environmental concerns in Canada and the United States*. Westport, CT: Praeger Publishers, 1992. xxii, 176, [2] p. ill. ISBN 0-275-94001-2.

126 Newell, Dianne, 1943-. *Tangled webs of history: Indians and the law in Canada's Pacific Coast fisheries*. Toronto: University of Toronto Press, 1993. xiii, 306, [24] p. of plates. ill. ISBN 0-8020-0547-0.

127 Newman, Murray A., 1924-. *Life in a fishbowl: confessions of an aquarium director*. Vancouver: Douglas & McIntyre, 1994. ix, 262 p. ill. ISBN 1-55054-125-0.

128 Numbers, Ronald L. *The creationists*. New York: Alfred A. Knopf, 1992. xviii, 458 p. ill. ISBN 0-679-40104-0.

129 Soltan, H. C. (Hubert C.). "The early history and development of human and medical genetics in Canada," in *The history and development of human genetics: progress in different countries*. Krishna R. Dronamraju, ed. Singapore: World Scientific, 1992.

130 Soltan, H. C. (Hubert C.), ed. *Medical genetics in Canada: evolution of a hybrid discipline: essays on the early history*. London, ON: University of Western Ontario, Regional Medical Genetics Centre, 1992. [2], 259 p. ill. ISBN 0-7714-1364-5.

131 Vick, Roger. "William McCalla, naturalist," *Alberta History* 41, no. 3 (summer 1993): 19-21. ill.

132 Wood, David. "Picturing conservation in Canada: the Commission of 1909-1921," *Archivaria* no. 37 (spring 1994): 64-74. ill.

133 Young, Kathryn A. "Crown agent-Canadian correspondent: Michel Sarrazin and the Académie Royale des Sciences, 1697-1734," *French Historical Studies* 18, no. 2 (fall 1993): 416-33.

4.2 Earth Sciences

134 Abbes, H. "The German expedition of the First International Polar Year to Cumberland Sound, Baffin Island, 1882-83," *Polar Geography and Geology* 16, no. 4 (Oct./Dec. 1992): 272-304. ill.

135 Barendregt, R. W.; M. C. Wilson; and F. J. Jankunis, ed. *Palliser Triangle: a region in space and time*. Lethbridge: Department of Geography, University of Lethbridge, 1993. 281 p.

136 Barr, William. "The career and disappearance of Hans K.E. Krüger, Arctic geologist, 1886-1930," *The Polar Record* 29, no. 171 (Oct. 1993): 277-304. ill.

137 Belyea, Barbara. "Amerindian maps: the explorer as translator," *Journal of Historical Geography* 18, no. 3 (July 1992): 267-77. ill.

138 Boyle, R. W. "Geochemistry in the Geological Survey of Canada 1842-1952," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 129-41. ill.

139 Cardinal, Louis. "Cartographic and hydrographic surveys in Canada: the sum of the parts," *The Archivist/l'Archiviste* 19, no. 3 (1992): 8-10. ill.

140 Christie, Nancy. "Sir William Logan's geological empire and the 'humbug' of economic utility," *The Canadian Historical Review* 75, no. 2 (June 1994): 161-204.

141 Cleavelly, R. J. "John W. Salter, Sir William Logan, and Elkanah Billings: a brief British involvement in the first decade of 'Canadian Organic Remains' (1859)," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 142-59. ill.

142 Cole, Douglas, 1938-; and Bradley Lockner, ed. *To the Charlottes: George Dawson's 1878 survey of the Queen Charlotte Islands*. Vancouver: University of British Columbia Press, 1993. 192 p. ill.

143 Conzen, Michael P.; Thomas A. Rumney; and Graeme Wynn, 1946-, ed. *A scholar's guide to geographical writing on the American and Canadian past*. Chicago: University of Chicago Press, 1993. xiii, [1], 741 p. ill. ISBN 0-226-11569-0. (University of Chicago Geography Research Papers, no. 235).

- 144 Copeland, M. J. "Elkanah Billings (1820-1876) and Joseph F. Whiteaves (1835-1909): the first two paleontologists of the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 107-10. ill.
- 145 Dahl, Edward H. "Useless charts — great historical documents!" *The Archivist/l'Archiviste* 19, no. 3 (1992): 14-5. ill.
- 146 Eagan, William E. "The Canadian Geological Survey: hinterland between two metropolises," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 99-106.
- 147 Eagan, William E. "Reading the 'Geology of Canada': geological discourse as narrative," *Scientia Canadensis* 16, no. 2 (1992): 154-64.
- 148 Elkhaden, Hossam; Jean-Paul Heerbrant; Liliane Wellens-De Donder; and Roger Calcoen. *Cartes des Amériques: dans les collections de la Bibliothèque Royale Albert Ier*. Brussels: Bibliothèque Royale Albert Ier, 1992. xxxii, 169 p. ill.
- 149 Fisher, Robin, 1946-; and H. J. M. (Hugh J. M.) Johnston, 1939-, ed. *From maps to metaphors: the Pacific world of George Vancouver*. Vancouver: University of British Columbia Press, 1993. viii, 353 p. ill. ISBN 0-7748-0470-X.
- 150 Griffiths, Gwyn. "James Rennell and British Arctic expeditions, 1818-1829," *The Polar Record* 29, no. 170 (July 1993): 189-96. ill.
- 151 Gussow, William C. "The trials and tribulations of the Geological Survey of Canada in the first half of the twentieth century and some comments on members of its staff that I knew personally," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 90-8.
- 152 Hallett, Brian. "Map making at the Geological Survey of Canada," *The Archivist/l'Archiviste* 19, no. 3 (1992): 5-7. ill.
- 153 Kennedy, J. E.; and W. O. (Walter Oscar) Kupsch, 1919-. "A Canadian life with geomagnetism: the research of Frank T. Davies," in *The earth, the heavens, and the Carnegie Institution of Washington*. Gregory A. Good, ed. Washington, DC: American Geophysical Union, 1994. p. 165-9. ill. (History of Geophysics, no. 5).
- 154 Kidd, Betty. "The audio-visual record and surveying," *The Archivist/l'Archiviste* 19, no. 3 (1992): 16. ill.
- 155 Killan, Gerald, 1945-. *Protected places: a history of Ontario's provincial parks system*. Toronto: Dundurn Press in association with the Ontario Ministry of Natural Resources, 1993. xiii, [1], 426 p. ill. ISBN 1-55002-180-X.
- 156 Kupsch, W. O. (Walter Oscar), 1919-. "GSC exploratory wells in the west 1873-1875," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 160-79. ill.

157 Martyn, Katharine. *J. B. Tyrrell: explorer and adventurer: the Geological Survey years, 1881-1898*. Toronto: University of Toronto Library, 1993. 72 p. ill. ISBN 0-7727-6011-X.

158 Murray, Jeffrey S. "Exposing Canada's underground — 150 years of geological survey," *The Archivist/l'Archiviste* 19, no. 3 (1992): 2-4. ill.

159 Numbers, Ronald L. *The creationists*. New York: Alfred A. Knopf, 1992. xviii, 458 p. ill. ISBN 0-679-40104-0.

160 Riffenburgh, Beau; Clive Holland; and Richard Davis. "Willard Wentzel's account of the Mackenzie River," *The Polar Record* 30, no. 173 (Apr. 1994): 97-104. ill.

161 Robertson, Peter; and Andrew Rodger. "Photography and the Geological Survey of Canada," *The Archivist/l'Archiviste* 19, no. 3 (1992): 11-3. ill.

162 Sarjeant, William A. S. "Alice Wilson, first woman geologist with the Geological Survey of Canada," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 122-8. ill.

163 Spalding, David A. E., 1937-. *Dinosaur hunters*. Toronto: Key Porter Books, 1993. ix, 310 p. ill. ISBN 1-55013-300-4.

164 Thurston, Harry, 1950-. *Dawning of the dinosaurs*. Halifax,: Nimbus/Nova Scotia Museum, 1994. 91 p. ill.

165 Wilson, Scott D. "Henry Bayfield's hydrographic survey of Lake Huron," *Inland Seas* 48, no. 2 (summer 1992): 117-28.

166 Wynn, Graeme, 1946-. "Geographical writing on the Canadian past," in *A scholar's guide to geographical writing on the American and Canadian past*. Michael P. Conzen, Thomas A. Rumney, and Graeme Wynn, 1946-, ed. Chicago: University of Chicago Press, 1993. p. 91-125. (University of Chicago Geography Research Papers, no. 235).

167 Yochelson, Ellis L. "The question of Primordial and Cambrian/Taconic: Barrande and Logan/Marcou," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 111-20.

4.3 Travel and Exploration

168 Abbes, H. "The German expedition of the First International Polar Year to Cumberland Sound, Baffin Island, 1882-83," *Polar Geography and Geology* 16, no. 4 (Oct./Dec. 1992): 272-304. ill.

169 Barr, William. "Background to the German expedition to Clearwater Fiord, Baffin Island, as part of the First International Polar Year 1882-83," *Polar Geography and Geology* 16, no. 4 (Oct./Dec. 1992): 265-71. ill.

170 Barr, William. "The career and disappearance of Hans K.E. Krüger, Arctic geologist, 1886-1930," *The Polar Record* 29, no. 171 (Oct. 1993): 277-304. ill.

171 Barr, William; and Glyndwr Williams, ed. *Voyages to Hudson Bay in search of a northwest passage, 1741-1747. Volume I: the voyage of Christopher Middleton, 1741-1742*. London: The Hakluyt Society, 1994. xii, [1], 333 p. ill. ISBN 0-904180-36-0.

- 172 Beeby, Dean, 1954-. *In a crystal land: Canadian explorers in Antarctica*. Toronto: University of Toronto Press, 1994. xii, 262 p. ill. ISBN 0-8020-0362-1.
- 173 Bravo, M. T. "Science and discovery in the Admiralty voyages to the Arctic Regions in search of a North-West Passage (1815-1825)," Cambridge, UK: Cambridge University, 1992 (Ph.D. dissertation).
- 174 Bray, Emile-Frédéric de, 1829-1879. *A Frenchman in search of Franklin: De Bray's Arctic journal, 1852-1854*. William Barr, ed. Toronto: University of Toronto Press, 1992. xxii, 339 p. ill. ISBN 0-8020-2813-6.
- 175 Bunyan, Ian; Jenni Calder; Dale Idiens; and Bryce Wilson. *No ordinary journey: John Rae, Arctic explorer, 1813-1893*. Montreal; Kingston: McGill-Queen's University Press, 1993. xii, 116 p. ill. ISBN 0-7735-1106-7.
- 176 Cole, Douglas, 1938-; and Bradley Lockner, ed. *To the Charlottes: George Dawson's 1878 survey of the Queen Charlotte Islands*. Vancouver: University of British Columbia Press, 1993. 192 p. ill.
- 177 Davies, Gwion. "Obituary - Andrew Taylor," *The Polar Record* 30, no. 173 (Apr. 1994): 153-4. ill.
- 178 Fisher, David E. *Across the top of the world: to the North Pole by sled, balloon, airplane, and nuclear icebreaker*. New York: Random House, 1992. 256 p.
- 179 Fisher, Robin, 1946-; and H. J. M. (Hugh J. M.) Johnston, 1939-, ed. *From maps to metaphors: the Pacific world of George Vancouver*. Vancouver: University of British Columbia Press, 1993. viii, 353 p. ill. ISBN 0-7748-0470-X.
- 180 Fitzhugh, William W., 1943-; and Jacqueline S. Olin, ed. *Archeology of the Frobisher voyages*. Washington, DC: Smithsonian Institution Press, 1993. xv, [1], 271 p. ill. ISBN 1-56098-171-7.
- 181 Geiger, John, 1960-; and Owen Beattie. *Dead silence: the greatest mystery in Arctic discovery*. London: Bloomsbury Publishing, 1993. 219 p. ill.
- 182 Griffiths, Gwyn. "James Rennell and British Arctic expeditions, 1818-1829," *The Polar Record* 29, no. 170 (July 1993): 189-96. ill.
- 183 Hogarth, D. D.; P. W. (Peter W.) Boreham, 1955-; and J. G. (John G.) Mitchell, 1943-. *Martin Frobisher's northwest venture, 1576-1581: mines, minerals & metallurgy*. [Hull, PQ]: Canadian Museum of Civilization, 1993. xiii, 181 p. ill. (Directorate Paper (Canadian Museum of Civilization), no. 7).
- 184 Knötsch, Carol Cathleen. "Franz Boas' research trip to Baffin Island 1882-1884," *Polar Geography and Geology* 17, no. 1 (Jan./Mar. 1993): 3-54. ill.
- 185 Knötsch, Carol Cathleen. "German polar research, the Inuit, and Franz Boas," *The Musk-Ox* no. 39 (1992): 267-73. ill.
- 186 Levere, Trevor Harvey. "Chronometers on the Arctic expeditions of John Ross and William Edward Parry: with notes on a letter from Messrs.

William Parkinson & William James Frodsham," *Annals of Science* 51, no. 2 (Mar. 1994): 165-75.

187 Levere, Trevor Harvey. *Science and the Canadian Arctic: a century of exploration, 1818-1918*. Cambridge, UK: Cambridge University Press, 1993. xiv, 438 p. ill. ISBN 0-521-41933-6.

188 MacLaren, I. S. "From exploration to publication: the evolution of a 19th century Arctic narrative," *Arctic* 47, no. 1 (Mar. 1994): 43-53. ill.

189 Martyn, Katharine. *J. B. Tyrrell: explorer and adventurer: the Geological Survey years, 1881-1898*. Toronto: University of Toronto Library, 1993. 72 p. ill. ISBN 0-7727-6011-X.

190 Morrison, David A. *Arctic hunters: the Inuit and Diamond Jenness*. Hull, PQ: Canadian Museum of Civilization, 1992. 66 p. ill. ISBN 0-660-12924-8.

191 O'Brien, Patrick. *Joseph Banks. A life*. Boston: David R. Godine, Publisher, 1993. 328 p. ill.

192 Riffenburgh, Beau; Clive Holland; and Richard Davis. "Willard Wentzel's account of the Mackenzie River," *The Polar Record* 30, no. 173 (Apr. 1994): 97-104. ill.

193 Riffenburgh, Beau. *The myth of the explorer: the press, sensationalism, and geographical discovery*. London; Cambridge: Belhaven Press; Scott Polar Research Institute, University of Cambridge, 1993. ix, 226 p. ill. (Polar Research Series).

194 Stone, Ian R. "An episode in the Franklin search: the 'Prince Albert' expedition, 1850. Part I," *The Polar Record* 29, no. 169 (Apr. 1993): 127-42. ill.

195 Waiser, W. A. *The new northwest: the photographs of the Frank Crean expeditions, 1908-1909*. Saskatoon: Fifth House Publishers, 1993. x, 125 p. ill. ISBN 1-895618-22-3.

4.4 Natural History

196 Beeby, Dean, 1954-. *In a crystal land: Canadian explorers in Antarctica*. Toronto: University of Toronto Press, 1994. xii, 262 p. ill. ISBN 0-8020-0362-1.

197 Bunyan, Ian; Jenni Calder; Dale Idiens; and Bryce Wilson. *No ordinary journey: John Rae, Arctic explorer, 1813-1893*. Montreal; Kingston: McGill-Queen's University Press, 1993. xii, 116 p. ill. ISBN 0-7735-1106-7.

198 Cook, Jenny. "Bringing the outside in: women and the transformation of the middle-class Maritime Canadian interior, 1830-1860," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 36-49. ill.

199 Croft, L. R. "P. H. Gosse in Newfoundland and Lower Canada, 1827-1838," *Archives of Natural History* 20, no. 1 (Feb. 1993): 1-29. ill.

200 Kapches, Mima. "Antiquarians to archaeologists in nineteenth-century Ontario," *Northeast Anthropology* no. 47 (spring 1994): 87-97.

201 Lindsay, Debra J. (Debra Jean), 1955-. *Science in the Subarctic: trappers, traders and the Smithsonian Institution*. Washington, DC: Smithsonian Institution Press, 1993. xvii, 176 p. ill.

202 Marcil, Claire. "Les sciences naturelles au Québec: la persistance d'un engouement," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 50-6. ill.

203 Peacock, Jim. *The Vancouver Natural History Society, 1918-1993*. Vancouver: Vancouver Natural History Society, 1993. [4], 104 p. ill.

204 Riffenburgh, Beau; Clive Holland; and Richard Davis. "Willard Wentzel's account of the Mackenzie River," *The Polar Record* 30, no. 173 (Apr. 1994): 97-104. ill.

205 Sheets-Pyenson, Susan, 1949-. "Horse race: John William Dawson, Charles Lyell, and the competition over the Edinburgh natural history chair in 1854-1855," *Annals of Science* 49, no. 5 (Sept. 1992): 461-77.

4.5 Physical Sciences — General Works

206 Judd, William W., 1915-. *More naturalists and their work in southern Ontario*. London, ON: The Hearn/Kelly Printing Company Ltd., 1992. iv, 60 p. ill. ISBN 0-9696499-0-8.

207 Pyenson, Lewis. *Civilizing mission: exact sciences and French overseas expansion, 1830-1940*. Baltimore: Johns Hopkins University Press, 1993. xxii, 377 p. ill.

4.5.1 Astronomy

208 Broughton, R. Peter, 1940-. *Looking up: a history of the Royal Astronomical Society of Canada*. Toronto: Dundurn Press, 1994. xiv, 288 p. ill. ISBN 1-55002-208-3.

209 Smith, Julian A. "Charles Potter, optician and instrument maker," *The Journal of the Royal Astronomical Society of Canada* 87, no. 1 (Feb. 1993): 14-33. ill.

4.5.2 Chemistry

210 Ainley, Marianne Gosztonyi, 1937-. "'Women's work' in Canadian chemistry," *Canadian Woman Studies/Les cahiers de la femme* 13, no. 2 (winter 1993): 43-6.

211 Boyle, R. W. "Geochemistry in the Geological Survey of Canada 1842-1952," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 129-41. ill.

4.5.3 Physics

212 Babaian, Sharon Anne, 1957-. *Radio communication in Canada: a historical and technological survey*. Ottawa: National Museum of Science and Technology, 1992. 112 p. ill. ISBN 0-660-12017-8. (Transformation Series, no. 1).

213 Cohen, Montague. "My dear Eve...The letters of Ernest Rutherford to Arthur Stewart Eve. Part IV. 1915-1919," *Fontanus* 5 (1992): 123-59.

214 Gingras, Yves, 1954-; and Michel Trépanier. "Constructing a tokamak: political, economic and technical factors as constraints and resources," *Social Studies of Science* 23, no. 1 (Feb. 1993): 5-36.

215 Grahame, Fred B., 1914-. *My radar service record in WWII*. Dundas, ON: Magra Publishing, 1993. ix, 54 p. ill. ISBN 0-9693817-3-5.

216 Kennedy, J. E.; and W. O. (Walter Oscar) Kupsch, 1919-. "A Canadian life with geomagnetism: the research of Frank T. Davies," in *The earth, the heavens, and the Carnegie Institution of Washington*. Gregory A. Good, ed. Washington, DC: American Geophysical Union, 1994. p. 165-9. ill. (History of Geophysics, no. 5).

217 Longard, John R. *Knots, volts and decibels: an informal history of the Naval Research Establishment, 1940-1967*. Dartmouth, NS: Defence Research Establishment Atlantic, 1993. 113 p.

218 Rayner-Canham, Marelene F.; and Geoffrey W. Rayner-Canham. *Hariet Brooks: pioneer nuclear scientist*. Montreal: McGill-Queen's University Press, 1992. ix, [11], 168 p. ill. ISBN 0-7735-0881-3.

219 Trépanier Michel. "De la physique des plasmas à la fusion nucléaire: émergence et développement d'une spécialité," *Scientia Canadensis* 16, no. 1 (1992): 25-59.

5.1 Archaeology

220 Fitzhugh, William W., 1943-; and Jacqueline S. Olin, ed. *Archeology of the Frobisher voyages*. Washington, DC: Smithsonian Institution Press, 1993. xv, [1], 271 p. ill. ISBN 1-56098-171-7.

221 Gordon, Joleen. *Construction and reconstruction of a Mi'kmaq sixteenth-century cedar-bark bag*. Halifax: Nova Scotia Museum, 1993. [4], 31 p. ill. (Curatorial Report (Nova Scotia Museum), no. 76).

222 Kapches, Mima. "Antiquarians to archaeologists in nineteenth-century Ontario," *Northeast Anthropology* no. 47 (spring 1994): 87-97.

223 Morrison, David A. *Arctic hunters: the Inuit and Diamond Jenness*. Hull, PQ: Canadian Museum of Civilization, 1992. 66 p. ill. ISBN 0-660-12924-8.

B. History of Technology

6 General Reference Works

224 Boshier, J. F. (John Francis), 1929-. *Men and ships in the Canada trade, 1660-1760: a biographical dictionary*. Ottawa: National Historic Sites, Parks Service, Environment Canada, 1992. 251 p. ill. ISBN 0-660-14449-2. (Studies in Archaeology, Architecture and History).

6.1 Bibliographies and Bibliographical Tools

225 Conzen, Michael P.; Thomas A. Rumney; and Graeme Wynn, 1946-, ed. *A scholar's guide to geographical writing on the American and Canadian past*. Chicago: University of Chicago Press, 1993. xiii, [1], 741 p. ill. ISBN

0-226-11569-0. (University of Chicago Geography Research Papers, no. 235).

226 Grant, Laurence. "Bibliography of Canadian museological publications since 1985," *Muse* 10, no. 2/3 (summer/fall 1992): 174-9.

227 Meyer, Ron, 1946-. *Railroading in British Columbia: a bibliography*. Vancouver: Pacific Coast Division, Canadian Railroad Historical Association, 1993. 114 p. ill. ISBN 0-9697633-2-8.

228 Spry, Irene M.; and Bennett McCardle, 1953-. *Records of the Department of the Interior*. Regina: Canadian Plains Research Center, University of Regina, 1993. xii, 198 p. ill. ISBN 0-88977-061-1. (Canadian Plains Studies, no. 24).

229 Taber, Thomas T., III. *Guide to railroad historical resources: United States and Canada*. Muncy, PA: T. T. Taber III, 1993. 4 v., ISBN 0-9603398-6-8.

230 Wynn, Graeme, 1946-. "Geographical writing on the Canadian past," in *A scholar's guide to geographical writing on the American and Canadian past*. Michael P. Conzen, Thomas A. Rumney, and Graeme Wynn, 1946-, ed. Chicago: University of Chicago Press, 1993. p. 91-125. (University of Chicago Geography Research Papers, no. 235).

6.2 Biographical and Autobiographical Works

231 Davies, Gwion. "Obituary — Andrew Taylor," *The Polar Record* 30, no. 173 (Apr. 1994): 153-4. ill.

232 Hall, Roger, 1945-; Gordon Dodds; and Stanley Triggs. *The world of William Notman: the nineteenth century through a master lens*. Toronto: McClelland & Stewart, 1993. [8], 226, [6] p. ill. ISBN 0-7710-3773-2.

233 Prince, Philippe. "Napoléon Prince (1852-1925), inventeur, ingénieur, et maître-mécanicien," *Mémoires de la Société généalogique canadienne-française* 43, no. 1 (printemps 1992): 13-7.

234 Smith, Julian A. "Charles Potter, optician and instrument maker," *The Journal of the Royal Astronomical Society of Canada* 87, no. 1 (Feb. 1993): 14-33. ill.

235 Thompkins, R. W. (Russell Walter), 1908-. *The richest Canadian: the life and career of a Canadian mining engineer*. Toronto: Whistler House, 1994. 286 p. ill. ISBN 0-9697967-0-6.

7 General Works or Treatments

236 Ball, Norman R., 1944-. "Material history and engineering students," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 4-14.

237 Bolotenko, George, 1946-. *A future defined: Canada from 1849 to 1873*. Ottawa: National Archives of Canada, 1992. xv, 253 p. ill. ISBN 0-660-14411-5. (Records of Our History).

238 Jarrell, Richard A., 1946-. "Towards Kingston 25: some desiderata for the field," *Scientia Canadensis* 16, no. 2 (1992): 123-7.

8.1 Humanistic Relations of Technology (Technology and Culture)

239 Connelly, Don. "An aviation artist looks at the history of aviation in Kingston," *Historic Kingston* 41 (1993): 36-42.

240 Ferré, Sandrine. "Once upon a train: a study of the railway in Newfoundland: reality of the past, legend of the present," Angers, France: Université Catholique de l'Ouest, 1992 (Mémoire de maîtrise). 202 p. ill.

8.2 Social Relations of Technology

241 Adelman, Jeremy. "The social bases of technical change: mechanization of the wheatlands of Argentina and Canada, 1890 to 1914," *Comparative Studies in Society and History* 34, no. 2 (Apr. 1992): 271-300.

242 Apostle, Richard; and Gene Barrett. *Emptying their nets: small capital and rural industrialization in the Nova Scotia fishing industry*. Toronto: University of Toronto Press, 1992. xvii, [4], 396 p. ill. ISBN 0-8020-5894-9.

243 Brown, Marian K. "Technology and the North American forestry," *Scientia Canadensis* 16, no. 2 (1992): 193-212.

244 Byers, Mary, 1933-; and Margaret McBurney, 1931-. *Atlantic hearth: early homes and families of Nova Scotia*. Toronto: University of Toronto Press, 1994. xxi, [1], 364 p. ill. ISBN 0-8020-2935-3.

245 Day, Tanis. "Capital-labor substitution in the home," *Technology and Culture* 33, no. 2 (Apr. 1992): 302-27.

246 Gidney, R. D. (Robert Douglas), 1940-; and W. P. J. (Winnifred Phoebe Joyce), 1942-. *Professional gentlemen: the professions in nineteenth-century Ontario*. Toronto: University of Toronto Press, 1994. (Ontario Historical Studies Series).

247 McDonald, Ronald A. J. "Lumber society on the industrial frontier: Burrard Inlet, 1863-1886," *Labour/Le travail* 33 (spring 1994): 69-96.

248 Newell, Dianne, 1943-. *Tangled webs of history: Indians and the law in Canada's Pacific Coast fisheries*. Toronto: University of Toronto Press, 1993. xiii, 306, [24] p. of plates. ill. ISBN 0-8020-0547-0.

249 Pike, Robert M. "Using the 'talking machine': telephone diffusion in Kingston, 1876-1911," *Historic Kingston* 42 (1994): 57-70.

250 Sandberg, L. Anders, ed. *Trouble in the woods: forest policy and social conflict in Nova Scotia and New Brunswick*. Fredericton: Published for the Gorsebrook Research Institute for Atlantic Canada Studies by Acadiensis Press, 1992. [6], 234 p. ill. ISBN 0-919107-37-0.

251 Smith, Anthony E. "The nature of technological change: its implications for work and labour regulation," *Relations industrielles* 47, no. 4 (automne/autumn 1992): 752-77.

8.3 Technical Education

252 Ball, Norman R., 1944-. "Material history and engineering students," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 4-14.

- 253 Carter, John C. "The evolution of museums and education in Ontario," *Ontario Museum Annual* 1 (1992): 29-34.
- 254 Carter, John C. "Ryerson, Hodgins, and Boyle: early innovators in Ontario school museums," *Ontario History* 86, no. 2 (June 1994): 109-31. ill.
- 255 Estey, Ralph H. (Ralph Howard), 1916-. *Essays on the early history of plant pathology and mycology in Canada*. Montreal: McGill-Queen's University Press, 1994. xi, [1], 384 p. ill. ISBN 0-7735-1135-0.
- 256 Gleason, Mona. "'A separate and 'different' education': women and coeducation at the University of Windsor's Assumption College, 1950-1957," *Ontario History* 84, no. 2 (June 1992): 119-31.
- 257 Grayson, Lawrence P. *The making of an engineer: an illustrated history of engineering education in the United States and Canada*. New York: Wiley, 1993. xiii, 290 p. ill. ISBN 0-471-59799-6.
- 258 Hews, Charles F. A. *A history of mining engineering at Queen's. The first 100 years: 1893 to 1993*. [Kingston, ON]: Department of Mining Engineering, Queen's University, 1993. ix, [3], 260 p. ill.
- 259 McKillop, A. B., 1946-. *Matters of mind: the university in Ontario, 1791-1951*. Toronto: University of Toronto Press, 1994. xxv, [1], 716 p. ill. ISBN 0-8020-0424-5. (Ontario Historical Studies Series).
- 260 Young, Darius R. *An historical survey of vocational education in Canada*. 2nd edition. North York: Captus Press, 1992. xiii, 174 p. ill. ISBN 1-895712-02-5.

8.4 Technical Institutions — General Works

261 Langford, Martha Whitney; and Chris DeBresson. "The role of Hydro Quebec in the rise of consulting engineering in Montreal, 1944-1992: an essay in oral history and company genealogy," *Scientia Canadensis* 16, no. 1 (1992): 76-108. ill.

8.4.1 Associations and Societies

- 262 Ball, Norman R., 1944-. "Material history and engineering students," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 4-14.
- 263 Gidney, R. D. (Robert Douglas), 1940-; and W. P. J. (Winnifred Phoebe Joyce), 1942-. *Professional gentlemen: the professions in nineteenth-century Ontario*. Toronto: University of Toronto Press, 1994. (Ontario Historical Studies Series).
- 264 Halliwell, John. *Proud heritage — exciting future: 75th anniversary of the Canadian Construction Association/Un fier héritage — un futur excitant: 75e anniversaire de l'Association canadienne de la construction*. [Winnipeg]: [Published for the Canadian Construction Association by Naylor Communications, 1993]. 160 p.

265 Sabourin, Hélène. "P.-J.-O. Chauveau et les débuts de la chambre des arts et manufactures du Bas-Canada, 1857-1872," *Scientia Canadensis* 16, no. 2 (1992): 128-53. ill.

8.4.2 Government Agencies

266 Breen, David H. *Alberta's petroleum industry and the Conservation Board*. Edmonton: The University of Alberta Press, 1993. lxii, 800 p. ill. ISBN 0-88864-245-8.

267 Christie, Nancy. "Sir William Logan's geological empire and the 'humbug' of economic utility," *The Canadian Historical Review* 75, no. 2 (June 1994): 161-204.

268 Fleming, Keith Robson, 1956-. *Power at cost: Ontario Hydro and rural electrification, 1911-1958*. Montreal; Kingston: McGill-Queen's University Press, 1992. xiv, 326 p. ill. ISBN 0-7735-0868-6.

269 Spry, Irene M.; and Bennett McCardle, 1953-. *Records of the Department of the Interior*. Regina: Canadian Plains Research Center, University of Regina, 1993. xii, 198 p. ill. ISBN 0-88977-061-1. (Canadian Plains Studies, no. 24).

270 Steeves, Brian. *The history of CISTI/L'histoire de l'ICIST*. Ottawa: Canada Institute for Scientific and Technical Information, National Research Council Canada, 1993. 49, [4] p. ill.

271 Vodden, Christy. *No stone unturned: the first 150 years of the Geological Survey of Canada*. Ottawa: Minister of Supply and Services, 1992. [3], ii, [1], 52 p. ill.

8.4.3 Libraries

272 Doherty, Ken. "The common thread: one hundred and fifty years of museums in Peterborough," *Ontario History* 86, no. 2 (June 1994): 133-48. ill.

273 Gagnon, Hervé. "Pierre Chasseur et l'émergence de la muséologie scientifique au Québec, 1824-36," *The Canadian Historical Review* 75, no. 2 (June 1994): 205-38.

274 Steeves, Brian. *The history of CISTI/L'histoire de l'ICIST*. Ottawa: Canada Institute for Scientific and Technical Information, National Research Council Canada, 1993. 49, [4] p. ill.

8.4.4 Mechanics' Institutes

275 Doherty, Ken. "The common thread: one hundred and fifty years of museums in Peterborough," *Ontario History* 86, no. 2 (June 1994): 133-48. ill.

8.4.5 Museums

276 *Past reflections: museum clippings*. Toronto: Ontario Historical Society, 1994. 80 p.

277 Baeker, Greg; Margaret May; and Mary Tivy. "Ontario museums in the 1990s," *Muse* 10, no. 2/3 (summer/fall 1992): 120-3.

- 278 Butler, Darrel. "Museum trends in New Brunswick," *Muse* 10, no. 2/3 (summer/fall 1992): 107-8.
- 279 Carter, John C. "The evolution of museums and education in Ontario," *Ontario Museum Annual* 1 (1992): 29-34.
- 280 Carter, John C. "Ryerson, Hodgins, and Boyle: early innovators in Ontario school museums," *Ontario History* 86, no. 2 (June 1994): 109-31. ill.
- 281 Davies, Adriana Albi. "Museum development in Canada's prairie provinces: Manitoba, Saskatchewan, and Alberta," *Muse* 10, no. 2/3 (summer/fall 1992): 129-35.
- 282 Dickenson, Victoria. "A history of the national museums from their founding to the present day," *Muse* 10, no. 2/3 (summer/fall 1992): 56-63.
- 283 Doherty, Ken. "The common thread: one hundred and fifty years of museums in Peterborough," *Ontario History* 86, no. 2 (June 1994): 133-48. ill.
- 284 Dorais, Léo A. "Vingt ans de politique nationale des musées au Canada: de la démocratisation et décentralisation aux organismes spéciaux de service," *Muse* 10, no. 2/3 (été/automne 1992): 41-7.
- 285 Duncan, Dorothy. "From mausoleums to malls: what next?" *Ontario History* 86, no. 2 (June 1994): 107-18. ill.
- 286 Grant, Laurence. "Bibliography of Canadian museological publications since 1985," *Muse* 10, no. 2/3 (summer/fall 1992): 174-9.
- 287 Grattan, Patricia. "Galleries and museums in Newfoundland and Labrador: the past decade," *Muse* 10, no. 2/3 (summer/fall 1992): 90-1.
- 288 Hunston, Jeff. "Yukon museums: the changing context," *Muse* 10, no. 2/3 (summer/fall 1992): 165-8.
- 289 Lacroix, Laurie. "Les musées au Québec: vingt ans d'essor — vingt ans de misère?" *Muse* 10, no. 2/3 (été/automne 1992): 111-5.
- 290 MacDonald, Edward. "Up the hill backwards: Island museums since 1983," *Muse* 10, no. 2/3 (summer/fall 1992): 94-6.
- 291 Maitland, Leslie. "At home with the prime ministers: national historic sites," *The Archivist/l'Archiviste* 20, no. 3 (1994): 6-8. ill.
- 292 Mayer, Carol E. "Museums, galleries, and related institutions in British Columbia — an overview," *Muse* 10, no. 2/3 (summer/fall 1992): 145-8.
- 293 Patterson, Margaret Jean. "Northwest territories museology," *Muse* 10, no. 2/3 (summer/fall 1992): 155-8.
- 294 Stevenson, Candace. "Nova Scotia — a brief overview," *Muse* 10, no. 2/3 (summer/fall 1992): 101-3.
- 295 Tarpin, Christine. "La recomposition du champ muséal au Québec," in *La société industrielle et ses musées: demande sociale et choix politiques, 1890-1990*. Paris: Édition des Archives Contemporaines, 1992. (Histoire des sciences et des techniques).

296 Teather, J. Lynne. "Museum-making in Canada (to 1972)," *Muse* 10, no. 2/3 (summer/fall 1992): 21-9.

297 Tivy, Mary. "Ministering history to the community: the province of Ontario and the management of the past in community history museums," *Ontario History* 86, no. 2 (June 1994): 149-67. ill.

8.4.6 Parks

298 Killan, Gerald, 1945-. *Protected places: a history of Ontario's provincial parks system*. Toronto: Dundurn Press in association with the Ontario Ministry of Natural Resources, 1993. xiii, [1], 426 p. ill. ISBN 1-55002-180-X.

8.5 Women in Technology

299 Davis, Angela E. "'Country homemakers': the daily lives of Prairie women as seen through the women's page of the Grain Growers' Guide, 1908-1928," in *Canadian papers in rural history. Volume VIII*. Donald Harmon Akenson, 1941-, ed. Gananoque, ON: Langdale Press, 1992. p. 163-74.

300 Davis, Angela E. "'Valiant servants': women and technology on the Canadian Prairies 1910-1940," *Manitoba History* 25 (spring 1993): 33-42.

301 Gleason, Mona. "'A separate and 'different' education': women and coeducation at the University of Windsor's Assumption College, 1950-1957," *Ontario History* 84, no. 2 (June 1992): 119-31.

302 McKillop, A. B., 1946-. *Matters of mind: the university in Ontario, 1791-1951*. Toronto: University of Toronto Press, 1994. xxv, [1], 716 p. ill. ISBN 0-8020-0424-5. (Ontario Historical Studies Series).

303 Scheinberg, Ellen. "The tale of Tessie the textile worker: female textile workers in Cornwall during World War II," *Labour/Le travail* 33 (spring 1994): 153-86. ill.

9.1 Architecture and Urban Construction

304 Byers, Mary, 1933-; and Margaret McBurney, 1931-. *Atlantic hearth: early homes and families of Nova Scotia*. Toronto: University of Toronto Press, 1994. xxi, [1], 364 p. ill. ISBN 0-8020-2935-3.

305 Charbonneau, André, 1950-. *The fortifications of Île aux Noix: a portrait of defensive strategy on the Upper Richelieu Border in the 18th and 19th centuries*. Ottawa: National Historic Sites, Parks Canada, Canadian Heritage, 1994. 382, [1] p. ill. ISBN 0-660-15194-4. (Studies in Archaeology, Architecture and History).

306 Field, Richard Henning. "Claiming rank: the display of wealth and status by eighteenth-century Lunenburg, Nova Scotia, merchants," *Material History Review/Revue d'histoire de la culture matérielle* 35 (spring/printemps 1992): 1-20. ill.

307 Field, Richard Henning. "Domestic life in eighteenth-century Nova Scotia: a rural perspective based on Lunenburg County and Kings County yeoman probate records," *Material History Review/Revue d'histoire de la culture matérielle* 35 (spring/printemps 1992): 47-54. ill.

- 308 Gilpin, John F., 1947-. "International perspectives on railway townsite development in western Canada, 1877-1914," *Planning Perspectives* 7, no. 3 (1992): 247-62.
- 309 Halliwell, John. *Proud heritage — exciting future: 75th anniversary of the Canadian Construction Association/Un fier héritage — un futur excitant: 75e anniversaire de l'Association canadienne de la construction*. [Winnipeg]: [Published for the Canadian Construction Association by Naylor Communications, 1993]. 160 p.
- 310 Kalman, Harold, 1943-. *A history of Canadian architecture*. Toronto: Oxford University Press, 1994. 2 v., ill.
- 311 LaFrance, Marc. "Le Parc de l'Artillerie et les Fortifications de Québec: une rétrospective de mise en valeur 1972-1990," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 41-9. ill.
- 312 Maitland, Leslie. "At home with the prime ministers: national historic sites," *The Archivist/l'Archiviste* 20, no. 3 (1994): 6-8. ill.
- 313 Maitland, Leslie; Jacqueline Hucker; and Shannon Ricketts. *A guide to Canadian architectural styles*. Peterborough, ON: Broadview Press, 1992. 223 p. ill. ISBN 1-55111-004-0.
- 314 Mays, John Bentley. *Emerald city: Toronto revisited*. Toronto: Viking, 1994. 355 p. ill. ISBN 0-670-85356-9.
- 315 Pacey, Elizabeth. *Landmarks: historic buildings of Nova Scotia*. Halifax: Nimbus, 1994. 208 p. ill. ISBN 1-55109-046-5.
- 316 Palmer, Richard. "Men who sought stone for their daily bread," *Inland Seas* 47, no. 4 (winter 1991): 251-2.
- 317 Reeves, Wayne C. *Visions for the metropolitan waterfront — 1: Toward comprehensive planning, 1852-1935*. Toronto: Centre for Urban and Community Studies, University of Toronto, 1993. 109 p. (Centre for Urban and Community Studies Major Reports, no. 27).
- 318 Reeves, Wayne C. *Visions for the metropolitan waterfront — 2: Forging a regional identity, 1913-1968*. Toronto: Centre for Urban and Community Studies, University of Toronto, 1993. 145 p. (Centre for Urban and Community Studies Major Reports, no. 28).
- 319 Vincent, Elizabeth. *Substance and practice: building technology and the Royal Engineers in Canada*. Ottawa: Minister of Supply and Services, 1993. 287 p. ill. ISBN 0-660-14820-X. (Studies in Archaeology, Architecture, and History).

9.2 Communications Technology — General Works

- 320 Grahame, Fred B., 1914-. *My radar service record in WWII*. Dundas, ON: Magra Publishing, 1993. ix, 54 p. ill. ISBN 0-9693817-3-5.
- 321 Longard, John R. *Knots, volts and decibels: an informal history of the Naval Research Establishment, 1940-1967*. Dartmouth, NS: Defence Research Establishment Atlantic, 1993. 113 p.

322 McLeod O'Reilly, Susan, 1955-. *On track: the railway mail service in Canada*. Hull, PQ: Canadian Museum of Civilization, 1992. 151 p. ill. ISBN 0-660-14005-5.

323 McLeod O'Reilly, Susan, 1955-. *À fond de train: le service postal ferroviaire au Canada*. Hull, PQ: Musée national de la poste, Musée canadien des civilisations et Société canadienne des postes, 1992. 151 p. ill. ISBN 0-660-00559-0.

324 Rawling, Bill, 1959-. *Surviving trench warfare: technology and the Canadian Corps, 1914-1918*. Toronto: University of Toronto Press, 1992. [6], 325 p. ill. ISBN 0-8020-5017-4.

9.2.1 Film and Moving Image

325 Kidd, Betty. "The audio-visual record and surveying," *The Archivist/l'Archiviste* 19, no. 3 (1992): 16. ill.

9.2.2 Phonographs and Recorders

326 Kidd, Betty. "The audio-visual record and surveying," *The Archivist/l'Archiviste* 19, no. 3 (1992): 16. ill.

9.2.3 Photography

327 Brace, Irving A. "The printing of images, 1892-1992," *Canadian Printer* 101, no. 4 (May 1992): 79-81.

328 Hall, Roger, 1945-; Gordon Dodds; and Stanley Triggs. *The world of William Notman: the nineteenth century through a master lens*. Toronto: McClelland & Stewart, 1993. [8], 226, [6] p. ill. ISBN 0-7710-3773-2.

329 Maurice, Philippe. "Ambrotypes: positively capturing the past," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 50-64. ill.

330 Robertson, Peter; and Andrew Rodger. "Photography and the Geological Survey of Canada," *The Archivist/l'Archiviste* 19, no. 3 (1992): 11-3. ill.

331 Vick, Roger. "William McCalla, naturalist," *Alberta History* 41, no. 3 (summer 1993): 19-21. ill.

332 Waiser, W. A. *The new northwest: the photographs of the Frank Crean expeditions, 1908-1909*. Saskatoon: Fifth House Publishers, 1993. x, 125 p. ill. ISBN 1-895618-22-3.

9.2.4 Printing and Publishing

333 "Industry news highlights, 1892-1992," *Canadian Printer* 101, no. 4 (May 1992): 9-12, 14-5, 18-20.

334 Brace, Irving A. "The printing of images, 1892-1992," *Canadian Printer* 101, no. 4 (May 1992): 79-81.

335 Cleevely, R. J. "John W. Salter, Sir William Logan, and Elkanah Billings: a brief British involvement in the first decade of 'Canadian Organic Remains' (1859)," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 142-59. ill.

336 Dansereau, Bernard. "La fabrication des caractères d'imprimerie à Montréal au milieu de XIXe siècle," *Revue d'histoire de l'Amérique française* 47, no. 1 (été 1993): 83-92.

337 Goheen, Peter G. "Communications and newsmaking before the telegraph: the story of the 1845 Quebec City fires," *The Canadian Geographer/Géographe Canadien* 37, no. 3 (fall 1993): 230-42.

338 MacLaren, I. S. "From exploration to publication: the evolution of a 19th century Arctic narrative," *Arctic* 47, no. 1 (Mar. 1994): 43-53. ill.

339 MacRae, Barbara. "Turning points: a reasonably short history of the printing press," *Canadian Printer* 10, no. 4 (May 1992): 57-8, 60-3, 67-8.

340 Simper, Fred. "Typesetting: 1892-1992," *Canadian Printer* 101, no. 4 (May 1992): 46-7.

9.2.5 Radio

341 Babaian, Sharon Anne, 1957-. *Radio communication in Canada: a historical and technological survey*. Ottawa: National Museum of Science and Technology, 1992. 112 p. ill. ISBN 0-660-12017-8. (Transformation Series, no. 1).

342 Canuel, Alain. "Les télécommunications à Montréal entre 1846 et 1946," *Scientia Canadensis* 16, no.1 (1992): 5-24. ill.

9.2.6 Telegraphy

343 Babaian, Sharon Anne, 1957-. *Radio communication in Canada: a historical and technological survey*. Ottawa: National Museum of Science and Technology, 1992. 112 p. ill. ISBN 0-660-12017-8. (Transformation Series, no. 1).

344 Canuel, Alain. "Les télécommunications à Montréal entre 1846 et 1946," *Scientia Canadensis* 16, no.1 (1992): 5-24. ill.

345 Green, Lorne Edmond. *Chief engineer: life of a nation builder — Sandford Fleming*. Toronto: Dundurn Press Limited, 1993. [6], 191 p. ill. ISBN 1-55002-195-8.

346 MacLeod, Mary K. *Whisper in the air: Marconi, the Canada years, 1902-1946*. Hantsport, NS: Lancelot Press, 1992. 135 p. ill. ISBN 0-88999-518-4.

9.2.7 Telephone and Telecommunications

347 Frailey, J. D.; and James M. Velayas. *In the spirit of service: telecommunications from the founders to the future*. St. Louis: Columbia Creek Publishing, 1993. 301 p. ill. ISBN 0-9637104-1-9.

348 Pike, Robert M. "Using the 'talking machine': telephone diffusion in Kingston, 1876-1911," *Historic Kingston* 42 (1994): 57-70.

9.2.8 Transmission (Fibre Optic, Satellite, Cable, etc.)

349 Dewalt, Bryan, 1959-. *Building a digital network: data communications and digital telephony, 1950-1990*. Ottawa: National Museum of Science and Technology, 1992. 70 p. ill. ISBN 0-660-12018-6. (Transformation Series, no. 2).

350 Dotto, Lydia, 1949-. *A heritage of excellence: 25 years at Spar Aerospace Limited*. Mississauga: Spar Aerospace Limited, 1992. xi, [1], 144 p. ill. ISBN 0-9696618-0-0.

351 Dotto, Lydia, 1949-. *Un héritage d'excellence: 25 ans à la société Spar Aérospatiale Limitée*. Mississauga: Spar Aérospatiale Limitée, 1992. xii, 160 p. ill. ISBN 0-9696618-1-9.

9.3 Computers and Computing

352 Ball, Norman R., 1944-; and John N. Vardalas. *Ferranti-Packard: pioneers in Canadian electrical manufacturing*. Montreal; Kingston: McGill-Queen's University Press, 1994. xvi, 336 p. ill. ISBN 0-7735-0983-6.

353 Dewalt, Bryan, 1959-. *Building a digital network: data communications and digital telephony, 1950-1990*. Ottawa: National Museum of Science and Technology, 1992. 70 p. ill. ISBN 0-660-12018-6. (Transformation Series, no. 2).

9.4 Household Technology

354 Day, Tanis. "Capital-labor substitution in the home," *Technology and Culture* 33, no. 2 (Apr. 1992): 302-27.

9.5 Manufacturing Industries — General Works

355 Gray, David R. "The art and history of Canadian toys," *Material History Review/Revue d'histoire de la culture matérielle* 35 (spring/printemps 1992): 65-6.

356 Hornsby, Stephen J. (Stephen John), 1956-. *Nineteenth century Cape Breton: a historical geography*. Montreal; Kingston: McGill-Queen's University Press, 1992. xxvi, 274 p. ill. ISBN 0-7735-0889-9.

357 Inwood, Kris E., 1951-, ed. *Farm, factory, and fortune: new studies in the economic history of the Maritime provinces*. Fredericton: Acadiensis Press, 1993. [6], viii, 274 p. ill. ISBN 0-919107-38-9.

358 Lewis, Robert D., 1954-. "Industry and space: the making of Montreal's industrial geography, 1850-1918," Montreal: McGill University, 1992 (Ph.D. dissertation).

359 Lewis, Robert D., 1954-. "Restructuring and the formation of an industrial district in Montreal's East End, 1850-1914," *Journal of Historical Geography* 20, no. 2 (Apr. 1994): 143-57. ill.

9.5.1 Brewing and Distilling

360 Ovenell-Carter, Brad. "The grapes of Ross," *Western Living* 22, no. 8 (1992): 24-31.

9.5.2 Coal, Natural Gas, and Petroleum Products

361 Breen, David H. *Alberta's petroleum industry and the Conservation Board*. Edmonton: The University of Alberta Press, 1993. lxii, 800 p. ill. ISBN 0-88864-245-8.

362 McKenzie-Brown, Peter. *The great oil age: the petroleum industry in Canada*. Calgary: Detselig Enterprises Ltd., 1993. 176 p. ill. ISBN 1-55059-072-3.

363 Merritt, Hope. *Rivers of oil: the founding of Canada's petroleum industry*. Kingston: Quarry Press, 1993. 254 p. ill. ISBN 1-55082-088-5.

9.5.3 Electrical and Electronic Equipment

364 Ball, Norman R., 1944-; and John N. Vardalas. *Ferranti-Packard: pioneers in Canadian electrical manufacturing*. Montreal; Kingston: McGill-Queen's University Press, 1994. xvi, 336 p. ill. ISBN 0-7735-0983-6.

365 Dotto, Lydia, 1949-. *A heritage of excellence: 25 years at Spar Aerospace Limited*. Mississauga: Spar Aerospace Limited, 1992. xi, [1], 144 p. ill. ISBN 0-9696618-0-0.

366 Dotto, Lydia, 1949-. *Un héritage d'excellence: 25 ans à la société Spar Aérospatiale Limitée*. Mississauga: Spar Aérospatiale Limitée, 1992. xii, 160 p. ill. ISBN 0-9696618-1-9.

9.5.4 Food Processing, Packaging, and Storage

367 Newell, Dianne, 1943-. *Tangled webs of history: Indians and the law in Canada's Pacific Coast fisheries*. Toronto: University of Toronto Press, 1993. xiii, 306, [24] p. of plates. ill. ISBN 0-8020-0547-0.

368 Silver, Jim. "The origins of Winnipeg's packinghouse industry: transitions from trade to manufacture," *Prairie Forum* 19, no. 1 (spring 1994): 15-30.

369 Wyczynski, Michel. "L'hiver en Nouvelle-France," *The Archivist/l'Archiviste* 19, no. 3 (1992): 17-9. ill.

9.5.5 Glass, Ceramics, and Cement

370 Hayward, Anne. "Medalta's art department: a strategy for product diversification," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 13-23. ill.

371 Vincent, Elizabeth. *Substance and practice: building technology and the Royal Engineers in Canada*. Ottawa: Minister of Supply and Services, 1993. 287 p. ill. ISBN 0-660-14820-X. (Studies in Archaeology, Architecture, and History).

9.5.6.1 Heavy Equipment — Agricultural

372 Wetherell, Donald Grant; and Elise A. Corbet. *Breaking new ground: a century of farm equipment manufacturing on the Canadian Prairies*. Saskatoon: Fifth House Publishers in association with Alberta Community Development, 1993. vi, 258 p. ill. ISBN 1-895618-23-1.

9.5.6.2 Heavy Equipment — Transportation

373 Aviation Statistics Centre (Canada). *Aviation in Canada: historical and statistical perspectives on civil aviation*. Ottawa: Minister of Industry, Science and Technology, 1993. 216 p. ill. ISBN 0-660-14789-0.

374 Bombardier Inc. *Bombardier: a dream with international reach*. Montréal: Bombardier Inc., 1992. 143 p. ill. ISBN 2-921393-09-3.

375 Centre des statistiques de l'aviation (Canada). *L'Aviation au Canada: aperçu historique et statistique de l'aviation civile*. Ottawa: Ministère de l'industrie, des sciences et de la technologie, 1993. 226 p. ISBN 0-660-94026-4.

376 Chevalier, Jacques. "Les Métropoles canadiennes et l'internationalisation des activités d'innovation technologique," *Études canadiennes/Canadian Studies* 33 (1992): 161-75.

9.5.7 Metals: Metallurgy

377 Allain, Charles. "Revolution forgotten: the Peters' Combination Lock Co., Moncton, N.B.," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 96-100. ill.

378 Austin, Barbara J. "Leadership in the Canadian iron and steel industry: the rise of Dofasco," *Essays in Economic and Business History* 10 (1992): 56-65.

379 Dansereau, Bernard. "La fabrication des caractères d'imprimerie à Montréal au milieu de XIXe siècle," *Revue d'histoire de l'Amérique française* 47, no. 1 (été 1993): 83-92.

380 Fitzhugh, William W., 1943-; and Jacqueline S. Olin, ed. *Archeology of the Frobisher voyages*. Washington, DC: Smithsonian Institution Press, 1993. xv, [1], 271 p. ill. ISBN 1-56098-171-7.

381 Inwood, Kris E., 1951-. "The influence of resource quality on technological persistence: charcoal iron in Quebec," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 49-56.

382 McNally, Larry S. (Larry Stewart), 1952-. "Randolph Hersey and the Montreal nail industry, 1852-1903," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 90-6. ill.

383 McNally, Larry S. (Larry Stewart), 1952-. "Technical advance and stagnation: the case of nail production in nineteenth-century Montreal," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 38-48. ill.

384 Rawling, Bill, 1959-. *Surviving trench warfare: technology and the Canadian Corps, 1914-1918*. Toronto: University of Toronto Press, 1992. [6], 325 p. ill. ISBN 0-8020-5017-4.

385 Samson, Roch. "Les forges du Saint-Maurice," *Cap-aux-Diamants* 37 (printemps 1994): 28-32. ill.

386 Smith, Julian A. "The Schmalcalders of London and the 'Priddis' dial," *The Journal of the Royal Astronomical Society of Canada* 87, no. 1 (Feb. 1993): 4-13. ill.

387 Vincent, Elizabeth. *Substance and practice: building technology and the Royal Engineers in Canada*. Ottawa: Minister of Supply and Services, 1993. 287 p. ill. ISBN 0-660-14820-X. (Studies in Archaeology, Architecture, and History).

9.5.8 Paper

388 Gagnon, Gaston. "Un mémorial régional. La pulperie de Chicoutimi," *Cap-aux-Diamants* 37 (printemps 1994): 34-8.

9.5.9 Textiles and Allied Products

389 McCullough, A. B. (Alan Bruce), 1945-. *The primary textile industry in Canada: history and heritage*. Ottawa: Minister of Supply and Services, 1992. 314 p. ill. ISBN 0-660-14398-4. (Studies in Archaeology, Architecture, and History).

390 Scheinberg, Ellen. "The tale of Tessie the textile worker: female textile workers in Cornwall during World War II," *Labour/Le travail* 33 (spring 1994): 153-86. ill.

391 White, Annette. "Authentic historical costume patterns from the Moncton Museum," *Material History Review/Revue d'histoire de la culture matérielle* 38 (fall/automne 1993): 65-67. ill.

9.5.10 Timber and Wood

392 Gordon, Joleen. *The woven weirs of Minas*. Halifax: Nova Scotia Museum, 1993. [2], 75 p. ill. (Curatorial Report (Nova Scotia Museum), no. 73).

393 Loewen, Brad. "Change and diversity within traditional cooperage technology," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 81-90. ill.

394 Parker, Mike. *Woodchips & beans: life in the early lumber woods of Nova Scotia*. Halifax: Nimbus Publishing Ltd., 1992. viii, 238 p. ill. ISBN 1-55109-023-6.

9.6.1 Cranes, Rigging, and Moving of Heavy Objects

395 Ircha, M. C., 1945-. "The Chignecto ship railway: a 19th-century engineering innovation," *Canadian Journal of Civil Engineering/Revue canadienne de génie civil* 19, no. 1 (Feb. 1992): 164-77. ill.

9.6.2 Handtools and Machine Tools

396 Greenhill, Ralph, 1924-. "Some North American survivals: photo essay," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 65-80. ill.

9.6.3 Scientific Instruments

397 Levere, Trevor Harvey. "Chronometers on the Arctic expeditions of John Ross and William Edward Parry: with notes on a letter from Messrs. William Parkinson & William James Frodsham," *Annals of Science* 51, no. 2 (Mar. 1994): 165-75.

398 Smith, Julian A. "Charles Potter, optician and instrument maker," *The Journal of the Royal Astronomical Society of Canada* 87, no. 1 (Feb. 1993): 14-33. ill.

9.6.4 Timekeepers

399 Smith, Julian A. "The Schmalcalders of London and the 'Priddis' dial," *The Journal of the Royal Astronomical Society of Canada* 87, no. 1 (Feb. 1993): 4-13. ill.

9.7 Military Technology

400 Babaian, Sharon Anne, 1957-. *Radio communication in Canada: a historical and technological survey*. Ottawa: National Museum of Science and Technology, 1992. 112 p. ill. ISBN 0-660-12017-8. (Transformation Series, no. 1).

401 Benn, Carl, 1953-. *Historic Fort York, 1793-1993*. Toronto: Natural Heritage/Natural History, Inc., 1993. 191 p. ill. ISBN 0-920474-79-9.

402 Bombardier Inc. *Bombardier: a dream with international reach*. Montréal: Bombardier Inc., 1992. 143 p. ill. ISBN 2-921393-09-3.

403 Charbonneau, André, 1950-. *The fortifications of Île aux Noix: a portrait of defensive strategy on the Upper Richelieu Border in the 18th and 19th centuries*. Ottawa: National Historic Sites, Parks Canada, Canadian Heritage, 1994. 382, [1] p. ill. ISBN 0-660-15194-4. (Studies in Archaeology, Architecture and History).

404 Gold, L. W. (Lorne W.). *The Canadian Habbakuk project*. Cambridge: International Glaciological Society, 1993. 323 p. ill. ISBN 0-946417-16-4.

405 Grahame, Fred B., 1914-. *My radar service record in WWII*. Dundas, ON: Magra Publishing, 1993. ix, 54 p. ill. ISBN 0-9693817-3-5.

406 Jordens, Lorraine. "Veterinarians in World War One. Horses and mules: the forgotten soldiers," *Alberta History* 41, no. 2 (spring 1993): 20-6. ill.

407 LaFrance, Marc. "Le Parc de l'Artillerie et les Fortifications de Québec: une rétrospective de mise en valeur 1972-1990," *Material History Review/Revue d'histoire de la culture matérielle* 39 (spring/printemps 1994): 41-9. ill.

408 Longard, John R. *Knots, volts and decibels: an informal history of the Naval Research Establishment, 1940-1967*. Dartmouth, NS: Defence Research Establishment Atlantic, 1993. 113 p.

409 Pacey, Elizabeth. *Landmarks: historic buildings of Nova Scotia*. Halifax: Nimbus, 1994. 208 p. ill. ISBN 1-55109-046-5.

410 Rawling, Bill, 1959-. *Surviving trench warfare: technology and the Canadian Corps, 1914-1918*. Toronto: University of Toronto Press, 1992. [6], 325 p. ill. ISBN 0-8020-5017-4.

411 Vincent, Elizabeth. *Substance and practice: building technology and the Royal Engineers in Canada*. Ottawa: Minister of Supply and Services, 1993. 287 p. ill. ISBN 0-660-14820-X. (Studies in Archaeology, Architecture, and History).

9.8 Native Technologies

412 Belyea, Barbara. "Amerindian maps: the explorer as translator," *Journal of Historical Geography* 18, no. 3 (July 1992): 267-77. ill.

413 Bunyan, Ian; Jenni Calder; Dale Idiens; and Bryce Wilson. *No ordinary journey: John Rae, Arctic explorer, 1813-1893*. Montreal; Kingston: McGill-Queen's University Press, 1993. xii, 116 p. ill. ISBN 0-7735-1106-7.

414 Gordon, Joleen. *Construction and reconstruction of a Mi'kmaq sixteenth-century cedar-bark bag*. Halifax: Nova Scotia Museum, 1993. [4], 31 p. ill. (Curatorial Report (Nova Scotia Museum), no. 76).

9.9 Natural Resources — General Works

415 Palmer, Richard. "Men who sought stone for their daily bread," *Inland Seas* 47, no. 4 (winter 1991): 251-2.

9.9.1 Agriculture

416 "An English harvester," *Alberta History* 41, no. 3 (summer 1993): 22-7. ill.

417 Adelman, Jeremy. "The social bases of technical change: mechanization of the wheatlands of Argentina and Canada, 1890 to 1914," *Comparative Studies in Society and History* 34, no. 2 (Apr. 1992): 271-300.

418 Ankli, Robert E. "Ontario's dairy industry, 1880-1920," in *Canadian papers in rural history. Volume VIII*. Donald Harmon Akenson, 1941-, ed. Gananoque, ON: Langdale Press, 1992. p. 261-75.

419 Bouchard, Gérard; and Régis Thibeault. "Change and continuity in the Saguenay agriculture: the evolution of production and yields (1852-1971)," in *Canadian papers in rural history. Volume VIII*. Donald Harmon Akenson, 1941-, ed. Gananoque, ON: Langdale Press, 1992. p. 231-59.

420 Davis, Angela E. " 'Country homemakers': the daily lives of Prairie women as seen through the women's page of the Grain Growers' Guide, 1908-1928," in *Canadian papers in rural history. Volume VIII*. Donald Harmon Akenson, 1941-, ed. Gananoque, ON: Langdale Press, 1992. p. 163-74.

421 Elofson, Warren M. "Adapting to the frontier environment: mixed and dryland farming near Pincher Creek, 1895-1914," *Prairie Forum* 19, no. 1 (spring 1994): 31-50.

422 Elofson, Warren M. "Adapting to the frontier environment: the ranching industry in western Canada, 1881-1914," in *Canadian papers in rural history. Volume VIII*. Donald Harmon Akenson, 1941-, ed. Gananoque, ON: Langdale Press, 1992. p. 307-27.

423 Estey, Ralph H. (Ralph Howard), 1916-. *Essays on the early history of plant pathology and mycology in Canada*. Montreal: McGill-Queen's University Press, 1994. xi, [1], 384 p. ill. ISBN 0-7735-1135-0.

424 Evans, Simon M. "Some research on the Canadian ranching frontier," *Prairie Forum* 19, no. 1 (spring 1994): 101-10.

425 Everitt, John. "The line elevator in Alberta (part one)," *Alberta History* 40, no. 4 (autumn 1992): 16-22. ill.

426 Everitt, John. "The line elevator in Alberta (part two)," *Alberta History* 41, no. 1 (winter 1993): 20-6. ill.

427 Hornsby, Stephen J. (Stephen John), 1956-. *Nineteenth century Cape Breton: a historical geography*. Montreal; Kingston: McGill-Queen's University Press, 1992. xxvi, 274 p. ill. ISBN 0-7735-0889-9.

428 Inwood, Kris E., 1951-; and Phyllis Wagg. "Wealth and prosperity in Nova Scotian agriculture, 1851-71," *The Canadian Historical Review* 75, no. 2 (June 1994): 239-64.

429 Inwood, Kris E., 1951-, ed. *Farm, factory, and fortune: new studies in the economic history of the Maritime provinces*. Fredericton: Acadiensis Press, 1993. [6], viii, 274 p. ill. ISBN 0-919107-38-9.

430 Jordan, Terry G. *North American cattle-ranching frontiers: origins, diffusion, and differentiation*. Albuquerque: University of New Mexico Press, 1993. xi, 439 p. ill.

431 Jordens, Lorraine. "Veterinarians in World War One. Horses and mules: the forgotten soldiers," *Alberta History* 41, no. 2 (spring 1993): 20-6. ill.

432 McInnis, R. M. "Perspectives on Ontario agriculture, 1815-1930," in *Canadian papers in rural history. Volume VIII*. Donald Harmon Akenson, 1941-, ed. Gananoque, ON: Langdale Press, 1992. p. 17-127. ill.

433 McLeod, R. C., ed. *Swords and ploughshares: war and agriculture in western Canada*. Edmonton: University of Alberta Press, 1993. xv, 262 p. ill. ISBN 0-88864-218-0.

434 Wood, David. "Picturing conservation in Canada: the Commission of 1909-1921," *Archivaria* no. 37 (spring 1994): 64-74. ill.

9.9.2 Fisheries

435 Apostle, Richard; and Gene Barrett. *Emptying their nets: small capital and rural industrialization in the Nova Scotia fishing industry*. Toronto: University of Toronto Press, 1992. xvii, [4], 396 p. ill. ISBN 0-8020-5894-9.

436 Bogue, Margaret Beattie. "To save the fish: Canada, the United States, the Great Lakes, and the Joint Commission of 1892," *Journal of American History* 79, no. 4 (Mar. 1993): 1429-54. ill.

437 Gordon, Joleen. *The woven weirs of Minas*. Halifax: Nova Scotia Museum, 1993. [2], 75 p. ill. (Curatorial Report (Nova Scotia Museum), no. 73).

438 Hornsby, Stephen J. (Stephen John), 1956-. *Nineteenth century Cape Breton: a historical geography*. Montreal; Kingston: McGill-Queen's University Press, 1992. xxvi, 274 p. ill. ISBN 0-7735-0889-9.

439 Kidd, Jim. "Mercury alert — Grassy Narrows and Whitedog anti-mercury campaign," *The Archivist/l'Archiviste* 20, no. 1 (1993): 26-8. ill.

440 Martin, Roger. "Le pêche à l'anguille sur la côte-du-sud," *Revue d'histoire du Bas-Saint-Laurent* 17, no. 2 (juin 1994): 17-21. ill.

441 Newell, Dianne, 1943-. *Tangled webs of history: Indians and the law in Canada's Pacific Coast fisheries*. Toronto: University of Toronto Press, 1993. xiii, 306, [24] p. of plates. ill. ISBN 0-8020-0547-0.

442 Proulx, Jean-Pierre, 1943-. *Basque whaling in Labrador in the 16th century*. Ottawa: National Historic Sites, Parks Service, Environment Canada, 1993. 108 p. ill. ISBN 0-660-14819-6. (Studies in Archaeology, Architecture and History).

443 Williamson, A. M. *Historical lobster landings for Atlantic Canada, 1892-1989*. St. Andrews, NB: Department of Fisheries and Oceans, Biological Station, 1992. iii, 110 p. (Canadian Manuscript Report of Fisheries and Aquatic Sciences, no. 2164).

444 Wyczynski, Michel. "L'hiver en Nouvelle-France," *The Archivist/l'Archiviste* 19, no. 3 (1992): 17-9. ill.

9.9.3 Forestry

445 Brown, Marian K. "Technology and the North American forestry," *Scientia Canadensis* 16, no. 2 (1992): 193-212.

446 Estey, Ralph H. (Ralph Howard), 1916-. *Essays on the early history of plant pathology and mycology in Canada*. Montreal: McGill-Queen's University Press, 1994. xi, [1], 384 p. ill. ISBN 0-7735-1135-0.

447 McDonald, Ronald A. J. "Lumber society on the industrial frontier: Burrard Inlet, 1863-1886," *Labour/Le travail* 33 (spring 1994): 69-96.

448 Parker, Mike. *Woodchips & beans: life in the early lumber woods of Nova Scotia*. Halifax: Nimbus Publishing Ltd., 1992. viii, 238 p. ill. ISBN 1-55109-023-6.

449 Sandberg, L. Anders, ed. *Trouble in the woods: forest policy and social conflict in Nova Scotia and New Brunswick*. Fredericton: Published for the Gorsebrook Research Institute for Atlantic Canada Studies by Acadiensis Press, 1992. [6], 234 p. ill. ISBN 0-919107-37-0.

450 Wood, David. "Picturing conservation in Canada: the Commission of 1909-1921," *Archivaria* no. 37 (spring 1994): 64-74. ill.

9.9.4 Mining and Metallurgy

451 Fitzhugh, William W., 1943-; and Jacqueline S. Olin, ed. *Archeology of the Frobisher voyages*. Washington, DC: Smithsonian Institution Press, 1993. xv, [1], 271 p. ill. ISBN 1-56098-171-7.

452 Hews, Charles F. A. *A history of mining engineering at Queen's. The first 100 years: 1893 to 1993*. [Kingston, ON]: Department of Mining Engineering, Queen's University, 1993. ix, [3], 260 p. ill.

453 Hogarth, D. D.; P. W. (Peter W.) Boreham, 1955-; and J. G. (John G.) Mitchell, 1943-. *Martin Frobisher's northwest venture, 1576-1581: mines, minerals & metallurgy*. [Hull, PQ]: Canadian Museum of Civilization, 1993. xiii, 181 p. ill. (Directorate Paper (Canadian Museum of Civilization), no. 7).

454 Hornsby, Stephen J. (Stephen John), 1956-. *Nineteenth century Cape Breton: a historical geography*. Montreal; Kingston: McGill-Queen's University Press, 1992. xxvi, 274 p. ill. ISBN 0-7735-0889-9.

455 Inwood, Kris E., 1951-, ed. *Farm, factory, and fortune: new studies in the economic history of the Maritime provinces*. Fredericton: Acadiensis Press, 1993. [6], viii, 274 p. ill. ISBN 0-919107-38-9.

456 Inwood, Kris E., 1951-. "The influence of resource quality on technological persistence: charcoal iron in Quebec," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 49-56.

457 Kupsch, W. O. (Walter Oscar), 1919-. "GSC exploratory wells in the west 1873-1875," *Earth Sciences History: Journal of the History of the Earth Sciences Society* 12, no. 2 (1993): 160-79. ill.

458 Mouat, Jeremy. "'The assistance of science and capital': the role of technology in establishing B.C.'s hard rock mining industry, 1876-1906," *Scientia Canadensis* 16, no. 2 (1992): 165-92.

459 Thompkins, R. W. (Russell Walter), 1908-. *The richest Canadian: the life and career of a Canadian mining engineer*. Toronto: Whistler House, 1994. 286 p. ill. ISBN 0-9697967-0-6.

9.9.5 Petroleum and Natural Gas Extraction

460 Breen, David H. *Alberta's petroleum industry and the Conservation Board*. Edmonton: The University of Alberta Press, 1993. lxii, 800 p. ill. ISBN 0-88864-245-8.

461 McKenzie-Brown, Peter. *The great oil age: the petroleum industry in Canada*. Calgary: Detselig Enterprises Ltd., 1993. 176 p. ill. ISBN 1-55059-072-3.

462 Merritt, Hope. *Rivers of oil: the founding of Canada's petroleum industry*. Kingston: Quarry Press, 1993. 254 p. ill. ISBN 1-55082-088-5.

9.9.6 Trapping and Hunting

463 Lindsay, Debra J. (Debra Jean), 1955-. *Science in the Subarctic: trappers, traders and the Smithsonian Institution*. Washington, DC: Smithsonian Institution Press, 1993. xvii, 176 p. ill.

464 Locke, Jeffrey W. "No salmon, no furs: the provisioning of Fort Kamloops, 1841-1849," *B. C. Historical News* 26, no. 2 (spring 1993): 14-8.

9.10 Power Technology

465 Ball, Norman R., 1944-. *Keeping the lights on: a history of Ottawa Hydro*. Toronto: Dundurn, 1993. 212 p. ill. ISBN 1-55002-153-2.

466 Crump, Harry T. "Canadian lighthouse lens and fog systems on the Great Lakes before automation," *Inland Seas* 49, no. 2 (summer 1993): 84-7. ill.

467 Fleming, Keith Robson, 1956-. *Power at cost: Ontario Hydro and rural electrification, 1911-1958*. Montreal; Kingston: McGill-Queen's University Press, 1992. xiv, 326 p. ill. ISBN 0-7735-0868-6.

468 Gingras, Yves, 1954-; and Michel Trépanier. "Constructing a tokamak: political, economic and technical factors as constraints and resources," *Social Studies of Science* 23, no. 1 (Feb. 1993): 5-36.

469 Langford, Martha Whitney; and Chris DeBresson. "The role of Hydro Quebec in the rise of consulting engineering in Montreal, 1944-1992: an essay in oral history and company genealogy," *Scientia Canadensis* 16, no. 1 (1992): 76-108. ill.

470 Lemco, Jonathan, ed. *The Canada-United States relationship: the politics of energy and environmental coordination*. Westport, CT: Praeger Publishers, 1992. viii, [4], 222, [1] p. ISBN 0-275-94239-2.

471 Lemco, Jonathan, ed. *Tensions at the border: energy and environmental concerns in Canada and the United States*. Westport, CT: Praeger Publishers, 1992. xxiii, 176, [2] p. ill. ISBN 0-275-94001-2.

472 Thurston, Harry, 1950-; and Wayne Barrett. *Against darkness and storm: lighthouses of the Northeast*. Halifax: Nimbus Publishing Ltd., 1993. vi, [4], 102 p. ill. ISBN 1-55109-039-2.

473 Tremblay, Yves. "Équiper le ferme ou la maison de ferme: le choix des femmes québécoises, 1930-1960," *Bulletin d'histoire de l'électricité* no. 19/20 (juin/déc. 1992): 235-48.

474 Tremblay, Yves. "Le monde rural et l'électricité," *Revue d'histoire du Bas-Saint-Laurent* 17, no. 1 (janv. 1994): 25-9. ill.

475 Trépanier Michel. "De la physique des plasmas à la fusion nucléaire: émergence et développement d'une spécialité," *Scientia Canadensis* 16, no. 1 (1992): 25-59.

476 Weaver, Helene. "John Brown's imperial towers: end of an era," *Inland Seas* 48, no. 3 (fall 1992): 161-3. ill.

9.11 Surveying (for Boundaries, Settlement and Transportation)

477 Green, Lorne Edmond. *Chief engineer: life of a nation builder — Sandford Fleming*. Toronto: Dundurn Press Limited, 1993. [6], 191 p. ill. ISBN 1-55002-195-8.

9.12 Transportation — General Works

478 Bombardier Inc. *Bombardier: a dream with international reach*. Montréal: Bombardier Inc., 1992. 143 p. ill. ISBN 2-921393-09-3.

479 Fisher, David E. *Across the top of the world: to the North Pole by sled, balloon, airplane, and nuclear icebreaker*. New York: Random House, 1992. 256 p.

480 Gratwick, John. *Canadian transportation: origins, perspectives, and prospects*. [S.l.]: Published by John Gratwick, 1993. ix, [1], 155 p. ill. ISBN 0-9697598-0-0.

481 Rawling, Bill, 1959-. *Surviving trench warfare: technology and the Canadian Corps, 1914-1918*. Toronto: University of Toronto Press, 1992. [6], 325 p. ill. ISBN 0-8020-5017-4.

9.12.1 Air and Space Transportation

482 Aviation Statistics Centre (Canada). *Aviation in Canada: historical and statistical perspectives on civil aviation*. Ottawa: Minister of Industry, Science and Technology, 1993. 216 p. ill. ISBN 0-660-14789-0.

483 Babaian, Sharon Anne, 1957-. *Radio communication in Canada: a historical and technological survey*. Ottawa: National Museum of Science and Technology, 1992. 112 p. ill. ISBN 0-660-12017-8. (Transformation Series, no. 1).

484 Beeby, Dean, 1954-. *In a crystal land: Canadian explorers in Antarctica*. Toronto: University of Toronto Press, 1994. xii, 262 p. ill. ISBN 0-8020-0362-1.

485 Campagna, Palmiro. *Storms of controversy: the secret Avro Arrow files revealed*. Toronto: Stoddart, 1992. xi, 228 p. ISBN 0-7737-2649-7.

486 Centre des statistiques de l'aviation (Canada). *L'Aviation au Canada: aperçu historique et statistique de l'aviation civile*. Ottawa: Ministre de l'industrie, des sciences et de la technologie, 1993. 226 p. ISBN 0-660-94026-4.

487 Connelly, Don. "An aviation artist looks at the history of aviation in Kingston," *Historic Kingston* 41 (1993): 36-42.

488 Dotto, Lydia, 1949-. *A heritage of excellence: 25 years at Spar Aerospace Limited*. Mississauga: Spar Aerospace Limited, 1992. xi, [1], 144 p. ill. ISBN 0-9696618-0-0.

489 Dotto, Lydia, 1949-. *Un héritage d'excellence: 25 ans à la société Spar Aérospatiale Limitée*. Mississauga: Spar Aérospatiale Limitée, 1992. xii, 160 p. ill. ISBN 0-9696618-1-9.

9.12.2.1 Rail

490 Davis, Donald. "Technological momentum, motor buses, and the persistence of Canada's street railways to 1940," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 6-17. ill.

491 Ferré, Sandrine. "Once upon a train: a study of the railway in Newfoundland: reality of the past, legend of the present," Angers, France: Université Catholique de l'Ouest, 1992 (Mémoire de maîtrise). 202 p. ill.

492 Gilpin, John F., 1947-. "International perspectives on railway townsite development in western Canada, 1877-1914," *Planning Perspectives* 7, no. 3 (1992): 247-62.

493 Green, Lorne Edmond. *Chief engineer: life of a nation builder — Sandford Fleming*. Toronto: Dundurn Press Limited, 1993. [6], 191 p. ill. ISBN 1-55002-195-8.

494 Greenhill, Ralph, 1924-. "Research note: early sleeping cars in Canada," *Railroad History* 168 (spring 1993): 73-5.

495 Greenhill, Ralph, 1924-. "Some North American survivals: photo essay," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 65-80. ill.

496 Harding, Les, 1950-. "When the going was bad: St John's to Port aux Basques," *The Beaver* 72, no. 1 (Feb./Mar. 1992): 34-6. ill.

497 Horton, Timothy J. (Timothy John), 1959-. *The British Columbia Railway*, vol. 2. Calgary: British Railway Modellers of North America, 1993. 26 p.

498 Ircha, M. C., 1945-. "The Chignecto ship railway: a 19th-century engineering innovation," *Canadian Journal of Civil Engineering/Revue canadienne de génie civil* 19, no. 1 (Feb. 1992): 164-77. ill.

499 Mayhew, Anne. "Steaming the Kettle. The impossible railway dreams on through villainous territory," *Beautiful British Columbia* 36, no. 3 (fall 1994): 36-44. ill.

500 McLeod O'Reilly, Susan, 1955-. *On track: the railway mail service in Canada*. Hull, PQ: Canadian Museum of Civilization, 1992. 151 p. ill. ISBN 0-660-14005-5.

501 McLeod O'Reilly, Susan, 1955-. *À fond de train: le service postal ferroviaire au Canada*. Hull, PQ: Musée national de la poste, Musée canadien des civilisations et Société canadienne des postes, 1992. 151 p. ill. ISBN 0-660-00559-0.

502 Meyer, Ron, 1946-. *Railroading in British Columbia: a bibliography*. Vancouver: Pacific Coast Division, Canadian Railroad Historical Association, 1993. 114 p. ill. ISBN 0-9697633-2-8.

503 Muralt, Darryl E., 1944-. *The Victoria and Sidney Railway, 1892-1919*. Victoria: B. C. Railway Historical Association, 1992. 236 p. ill. ISBN 0-9692511-1-4.

504 Nobbs, Ruby. "The Connaught tunnel 1916-1991," *Canadian Rail* 429 (1992): 130-4.

505 Spring, John. *The Toronto, Hamilton and Buffalo Railway, vol. 1*. Calgary: British Railway Modellers of North America, 1993. 34 p.

506 Taber, Thomas T., III. *Guide to railroad historical resources: United States and Canada*. Muncy, PA: T. T. Taber III, 1993. 4 v., ISBN 0-9603398-6-8.

9.12.2.2 Roads, Bridges, and Tunnels

507 LeBlanc, Marcel. "L'ouverture du chemin Taché dans le Comté de Rimouski," *Revue d'histoire du Bas-Saint-Laurent* 15, no. 2 (juin 1992): 9-13. ill.

508 Smith, Stanley. "The development and use of the tubular beam, 1830-1860," *History of Technology* 14 (1992): 100-34.

509 Twichell, Heath, 1934-. *Northwest epic: the building of the Alaska Highway*. New York: St. Martin's Press, 1992. xiv, 368 p. ill. ISBN 0-312-07754-8.

9.12.2.3 Urban

510 Davis, Donald. "Technological momentum, motor buses, and the persistence of Canada's street railways to 1940," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 6-17. ill.

9.12.2.4 Vehicles

511 Davis, Donald. "Technological momentum, motor buses, and the persistence of Canada's street railways to 1940," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 6-17. ill.

512 Prince, Philippe. "Napoléon Prince (1852-1925), inventeur, ingénieur, et maître-mécanicien," *Mémoires de la Société généalogique canadienne-française* 43, no. 1 (printemps 1992): 13-7.

513 Saindon, Richard. "Et J. A. Landry inventa l'auto-neige...," *Revue d'histoire du Bas-Saint-Laurent* 17, no. 1 (janv. 1994): 3-6. ill.

9.12.3 Water Transportation

514 Boshier, J. F. (John Francis), 1929-. *Men and ships in the Canada trade, 1660-1760: a biographical dictionary*. Ottawa: National Historic Sites, Parks Service, Environment Canada, 1992. 251 p. ill. ISBN 0-660-14449-2. (Studies in Archaeology, Architecture and History).

515 Bray, Emile-Frédéric de, 1829-1879. *A Frenchman in search of Franklin: De Bray's Arctic journal, 1852-1854*. William Barr, ed. Toronto: University of Toronto Press, 1992. xxii, 339 p. ill. ISBN 0-8020-2813-6.

516 Crump, Harry T. "Canadian lighthouse lens and fog systems on the Great Lakes before automation," *Inland Seas* 49, no. 2 (summer 1993): 84-7. ill.

517 Dewar, Gary S. "The Pittsburgh 'Supers,'" *Inland Seas* 48, no. 1 (spring 1992): 2-19. ill.

518 Fisher, Robin, 1946-; and H. J. M. (Hugh J. M.) Johnston, 1939-, ed. *From maps to metaphors: the Pacific world of George Vancouver*. Vancouver: University of British Columbia Press, 1993. viii, 353 p. ill. ISBN 0-7748-0470-X.

519 Gold, L. W. (Lorne W.). *The Canadian Habbakuk project*. Cambridge: International Glaciological Society, 1993. 323 p. ill. ISBN 0-946417-16-4.

520 Greenhill, Ralph, 1924-. "Some North American survivals: photo essay," *Material History Review/Revue d'histoire de la culture matérielle* 36 (fall/automne 1992): 65-80. ill.

521 Ircha, M. C., 1945-. "The Chignecto ship railway: a 19th-century engineering innovation," *Canadian Journal of Civil Engineering/Revue canadienne de génie civil* 19, no. 1 (Feb. 1992): 164-77. ill.

522 Marcil, Eileen. *The Charley-Man: a history of wooden shipbuilding at Quebec, 1763-1893*. Kingston: Quarry Press, 1993. 320 p. ill.

523 Proulx, Jean-Pierre, 1943-. *Basque whaling in Labrador in the 16th century*. Ottawa: National Historic Sites, Parks Service, Environment Canada, 1993. 108 p. ill. ISBN 0-660-14819-6. (Studies in Archaeology, Architecture and History).

524 Snider, C. H. J. (Charles Henry Jeremiah), 1879-1971. "Tugboats on the Welland," *Inland Seas* 48, no. 3 (fall 1992): 180-6. ill.

525 Summers, John. " 'The coldest sport in the world': iceboating in Toronto Harbour, 1824-1941," *Material History Review/Revue d'histoire de la culture matérielle* 35 (spring/printemps 1992): 35-46. ill.

526 Thurston, Harry, 1950-; and Wayne Barrett. *Against darkness and storm: lighthouses of the Northeast*. Halifax: Nimbus Publishing Ltd., 1993. vi, [4], 102 p. ill. ISBN 1-55109-039-2.

527 Tilson, David. "The Teifi coracle," *Material History Review/Revue d'histoire de la culture matérielle* 37 (spring/printemps 1993): 52-9. ill.

528 Weaver, Helene. "John Brown's imperial towers: end of an era," *Inland Seas* 48, no. 3 (fall 1992): 161-3. ill.

C. Science and Technology and the Economy

529 Apostle, Richard; and Gene Barrett. *Emptying their nets: small capital and rural industrialization in the Nova Scotia fishing industry*. Toronto: University of Toronto Press, 1992. xvii, [4], 396 p. ill. ISBN 0-8020-5894-9.

530 Aviation Statistics Centre (Canada). *Aviation in Canada: historical and statistical perspectives on civil aviation*. Ottawa: Minister of Industry, Science and Technology, 1993. 216 p. ill. ISBN 0-660-14789-0.

531 Centre des statistiques de l'aviation (Canada). *L'Aviation au Canada: aperçu historique et statistique de l'aviation civile*. Ottawa: Ministre de l'industrie, des sciences et de la technologie, 1993. 226 p. ISBN 0-660-94026-4.

532 Chevalier, Jacques. "Les Métropoles canadiennes et l'internationalisation des activités d'innovation technologique," *Études canadiennes/Canadian Studies* 33 (1992): 161-75.

533 McDonald, Ronald A. J. "Lumber society on the industrial frontier: Burrard Inlet, 1863-1886," *Labour/Le travail* 33 (spring 1994): 69-96.

534 Mouat, Jeremy. "'The assistance of science and capital': the role of technology in establishing B.C.'s hard rock mining industry, 1876-1906," *Scientia Canadensis* 16, no. 2 (1992): 165-92.

D. Science and Technology in Public Policy

535 Bogue, Margaret Beattie. "To save the fish: Canada, the United States, the Great Lakes, and the Joint Commission of 1892," *Journal of American History* 79, no. 4 (Mar. 1993): 1429-54. ill.

536 Campagna, Palmiro. *Storms of controversy: the secret Avro Arrow files revealed*. Toronto: Stoddart, 1992. xi, 228 p. ISBN 0-7737-2649-7.

537 Christie, Nancy. "Sir William Logan's geological empire and the 'humbug' of economic utility," *The Canadian Historical Review* 75, no. 2 (June 1994): 161-204.

538 Estey, Ralph H. (Ralph Howard), 1916-. *Essays on the early history of plant pathology and mycology in Canada*. Montreal: McGill-Queen's University Press, 1994. xi, [1], 384 p. ill. ISBN 0-7735-1135-0.

539 Gingras, Yves, 1954-; and Michel Trépanier. "Constructing a tokamak: political, economic and technical factors as constraints and resources," *Social Studies of Science* 23, no. 1 (Feb. 1993): 5-36.

540 Gratwick, John. *Canadian transportation: origins, perspectives, and prospects*. [S.l.]: Published by John Gratwick, 1993. ix, [1], 155 p. ill. ISBN 0-9697598-0-0.

541 Killan, Gerald, 1945-; and George Warecki. "The Algonquin Wildlands League and the emergence of environmental politics in Ontario, 1965-1974," *Environmental History Review* 17, no. 4 (1992): 1-27.

542 Lemco, Jonathan, ed. *The Canada-United States relationship: the politics of energy and environmental coordination*. Westport, CT: Praeger Publishers, 1992. viii, [4], 222, [1] p. ISBN 0-275-94239-2.

543 Lemco, Jonathan, ed. *Tensions at the border: energy and environmental concerns in Canada and the United States*. Westport, CT: Praeger Publishers, 1992. xxii, 176, [2] p. ill. ISBN 0-275-94001-2.

544 McLeod, R. C., ed. *Swords and ploughshares: war and agriculture in western Canada*. Edmonton: University of Alberta Press, 1993. xv, 262 p. ill. ISBN 0-88864-218-0.

545 Newell, Dianne, 1943-. *Tangled webs of history: Indians and the law in Canada's Pacific Coast fisheries*. Toronto: University of Toronto Press, 1993. xiii, 306, [24] p. of plates. ill. ISBN 0-8020-0547-0.

546 Sandberg, L. Anders, ed. *Trouble in the woods: forest policy and social conflict in Nova Scotia and New Brunswick*. Fredericton: Published for the Gorsebrook Research Institute for Atlantic Canada Studies by Acadiensis Press, 1992. [6], 234 p. ill. ISBN 0-919107-37-0.

E. Science and Technology in Urban Settings

547 Chevalier, Jacques. "Les Métropoles canadiennes et l'internationalisation des activités d'innovation technologique," *Études canadiennes/Canadian Studies* 33 (1992): 161-75.

548 Gilpin, John F., 1947-. "International perspectives on railway townsite development in western Canada, 1877-1914," *Planning Perspectives* 7, no. 3 (1992): 247-62.

549 Lewis, Robert D., 1954-. "Industry and space: the making of Montreal's industrial geography, 1850-1918," Montreal: McGill University, 1992 (Ph.D. dissertation).

550 Lewis, Robert D., 1954-. "Restructuring and the formation of an industrial district in Montreal's East End, 1850-1914," *Journal of Historical Geography* 20, no. 2 (Apr. 1994): 143-57. ill.

F. General Reference Works

551 Bolotenko, George, 1946-. *A future defined: Canada from 1849 to 1873*. Ottawa: National Archives of Canada, 1992. xv, 253 p. ill. ISBN 0-660-14411-5. (Records of Our History).

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