

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

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[See table of contents](#)

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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

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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.

- Abbes, H. □ 134, 168
 Adelman, Jeremy. □ 241, 417
 Ainley, Marianne Gosztanyi, 1937-.
 □ 8, 110; 106, 210
 Allain, Charles. □ 377
 Ankli, Robert E. □ 418
 Apostle, Richard. □ 242, 435, 529
 Arai, Mary Needler. □ 54, 111
 Austin, Barbara J. □ 378
 Aviation Statistics Centre (Canada).
 □ 373, 482, 530
 Babaian, Sharon Anne, 1957-. □
 212, 341, 343, 400, 483
 Baeker, Greg. □ 79, 277
 Ball, Norman R., 1944-. □ 352, 364;
 465; 236, 252, 262
 Barendregt, R. W., ed. □ 9, 135
 Barr, William. □ 169; 10, 136, 170;
 as ed. □ 171
 Barrett, Gene. □ 242, 435, 529
 Barrett, Wayne. □ 472, 526
 Beattie, Owen. □ 181
 Beeby, Dean, 1954-. □ 172, 196, 484
 Belyea, Barbara. □ 137, 412
 Benn, Carl, 1953-. □ 401
 Bogue, Margaret Beattie. □ 112, 436,
 535
 Bolotenko, George, 1946-. □ 25,
 237, 551
 Bombardier Inc. □ 374, 402, 478
 Boreham, P. W. (Peter W.), 1955-. □
 183, 453
 Boshier, J. F. (John Francis), 1929-. □
 224, 514
 Bouchard, Gérard. □ 419
 Boyle, R. W. □ 11, 55, 138, 211
 Brace, Irving A. □ 327, 334
 Bravo, M. T. □ 26, 173
 Bray, Emile-Frédéric de, 1829-1879.
 □ 174, 515
 Breen, David H. □ 266, 361, 460
 Broughton, R. Peter, 1940-. □ 47, 208
 Brown, Marian K. □ 243, 445
 Bunyan, Ian. □ 12, 175, 197, 413
 Butler, Darrel. □ 80, 278
 Byers, Mary, 1933-. □ 244, 304
 Calcoen, Roger. □ 2, 148
 Calder, Jenni. □ 12, 175, 197, 413
 Campagna, Palmiro. □ 485, 536
 Canuel, Alain. □ 342, 344
 Cardinal, Louis. □ 56, 139
 Carle, Paul. □ 81
 Carter, John C. □ 36, 83, 254, 280;
 35, 82, 253, 279
 Centre des statistiques de l'aviation
 (Canada). □ 375, 486, 531
 Charbonneau, André, 1950-. □ 305,
 403
 Chevalier, Jacques. □ 376, 532, 547
 Christie, Nancy. □ 57, 140, 267, 537
 Cleevely, R. J. □ 141, 335
 Cohen, Montague. □ 213
 Cole, Douglas, 1938-, ed. □ 142, 176
 Connely, Don. □ 239, 487
 Conzen, Michael P., ed. □ 1, 143, 225
 Cook, Jenny. □ 29, 104, 198
 Copeland, M. J. □ 13, 58, 144
 Corbet, Elise A. □ 372
 Croft, L. R. □ 14, 30, 113, 199
 Crump, Harry T. □ 466, 516
 Dahl, Edward H. □ 42, 145
 Dansereau, Bernard. □ 336, 379
 Davies, Adriana Albi. □ 84, 281
 Davies, Gwion. □ 177, 231
 Davis, Angela E. □ 300; 299, 420
 Davis, Donald. □ 490, 510, 511
 Davis, Richard. □ 160, 192, 204
 Day, Tanis. □ 245, 354
 DeBresson, Chris. □ 261, 469
 Dewalt, Bryan, 1959-. □ 349, 353
 Dewar, Gary S. □ 517
 Dickenson, Victoria. □ 31; 85, 282
 Doane, Frances W. □ 48, 114
 Dodds, Gordon. □ 232, 328
 Doherty, Ken. □ 49, 76, 86, 272,
 275, 283

- Dorais, Léo A. □ 87, 284
Dotto, Lydia, 1949-. □ 350, 365, 488; 351, 366, 489
Duchesne, Raymond. □ 37, 115
Duncan, Dorothy. □ 88, 285
Dunlap, Thomas R. □ 32, 116
Eagan, William E. □ 33, 147; 59, 146
Elkhadem, Hossam. □ 2, 148
Elofson, Warren M. □ 421; 422
Estey, Ralph H. (Ralph Howard), 1916-. □ 117, 255, 423, 446, 538
Evans, Simon M. □ 424
Everitt, John. □ 425; 426
Ferré, Sandrine. □ 240, 491
Field, Richard Henning. □ 306; 307
Fisher, David E. □ 178, 479
Fisher, Robin, 1946-, ed. □ 149, 179, 518
Fitzhugh, William W., 1943-, ed. □ 180, 220, 380, 451
Fleming, Keith Robson, 1956-. □ 60, 268, 467
Frailey, J. D. □ 347
Gagnon, Gaston. □ 388
Gagnon, Hervé. □ 89, 273; 90
Gagnon, Pascale. □ 81
Geiger, John, 1960-. □ 181
Gidney, R. D. (Robert Douglas), 1940-. □ 246, 263
Gilpin, John F., 1947-. □ 308, 492, 548
Gingras, Yves, 1954-. □ 61, 214, 468, 539
Gleason, Mona. □ 38, 107, 256, 301
Goheen, Peter G. □ 337
Gold, L. W. (Lorne W.). □ 404, 519
Gordon, Joleen. □ 221, 414; 392, 437
Grahame, Fred B., 1914-. □ 215, 320, 405
Grant, Laurence. □ 3, 91, 226, 286
Grattan, Patricia. □ 92, 287
Gratwick, John. □ 480, 540
Gray, David R. □ 355
Grayson, Lawrence P. □ 257
Green, Lorne Edmond. □ 345, 477, 493
Greenhill, Ralph, 1924-. □ 494; 396, 495, 520
Griffiths, Gwyn. □ 150, 182
Gussow, William C. □ 15, 62, 151
Hall, Roger, 1945-. □ 232, 328
Hallett, Brian. □ 63, 152
Halliwell, John. □ 264, 309
Harding, Les, 1950-. □ 496
Hayward, Anne. □ 370
Heerbrant, Jean-Paul. □ 2, 148
Hews, Charles F. A. □ 258, 452
Hogarth, D. D. □ 183, 453
Holland, Clive. □ 160, 192, 204
Hooke, Kathy. □ 118
Hornsby, Stephen J. (Stephen John), 1956-. □ 356, 427, 438, 454
Horton, Timothy J. (Timothy John), 1959-. □ 497
Hucker, Jacqueline. □ 313
Hunston, Jeff. □ 93, 288
Idiens, Dale. □ 12, 175, 197, 413
Inwood, Kris E., 1951-. □ 428; 381, 456; as ed. □ 357, 429, 455
Ircha, M. C., 1945-. □ 395, 498, 521
Jankunis, F. J., ed. □ 9, 135
Jarrell, Richard A., 1946-. □ 27, 238
Johnston, H. J. M. (Hugh J. M.), 1939-, ed. □ 149, 179, 518
Jordan, Terry G. □ 430
Jordens, Lorraine. □ 406, 431
Judd, William W., 1915-. □ 4, 119, 206
Kalman, Harold, 1943-. □ 310
Kapches, Mima. □ 200, 222
Kennedy, J. E. □ 16, 153, 216
Kidd, Betty. □ 43, 64, 154, 325, 326
Kidd, Jim. □ 120, 439
Killan, Gerald, 1945-. □ 50, 121, 541; 122, 155, 298
Knötsch, Carol Cathleen. □ 123, 184; 185
Kupsch, W. O. (Walter Oscar), 1919-. □ 16, 153, 216; 65, 156, 457
Lacroix, Laurie. □ 94, 289
LaFrance, Marc. □ 311, 407
Langford, Martha Whitney. □ 261, 469
LeBlanc, Marcel. □ 507
Lemco, Jonathan, ed. □ 125, 471, 543; 124, 470, 542
Levere, Trevor Harvey. □ 28, 187; 186, 397
Lewis, Robert D., 1954-. □ 358, 549; 359, 550
Lindsay, Debra J. (Debra Jean), 1955-. □ 66, 201, 463

- Locke, Jeffrey W. □ 464
 Lockner, Bradley, ed. □ 142, 176
 Loewen, Brad. □ 393
 Longard, John R. □ 217, 321, 408
 MacDonald, Edward. □ 95, 290
 MacLaren, I. S. □ 188, 338
 MacLeod, Mary K. □ 346
 MacRae, Barbara. □ 339
 Maitland, Leslie. □ 291, 312; 313
 Marcil, Claire. □ 51, 96, 103, 202
 Marcil, Eileen. □ 522
 Martin, Roger. □ 440
 Martyn, Katharine. □ 157, 189
 Maurice, Philippe. □ 329
 May, Margaret. □ 79, 277
 Mayer, Carol E. □ 97, 292
 Mayhew, Anne. □ 499
 Mays, John Bentley. □ 314
 McBurney, Margaret, 1931-. □ 244, 304
 McCardle, Bennett, 1953-. □ 6, 70, 228, 269
 McCullough, A. B. (Alan Bruce), 1945-. □ 389
 McDonald, Ronald A. J. □ 247, 447, 533
 McInnis, R. M. □ 432
 McKenzie-Brown, Peter. □ 362, 461
 McKillop, A. B., 1946-. □ 39, 108, 259, 302
 McLeod O'Reilly, Susan, 1955-. □ 322, 500; 323, 501
 McLeod, R. C., ed. □ 433, 544
 McNally, Larry S. (Larry Stewart), 1952-. □ 382; 383
 Merritt, Hope. □ 363, 462
 Metzener, Michele. □ 81
 Meyer, Ron, 1946-. □ 227, 502
 Michel, Robert. □ 17, 44
 Millar, W. P. J. (Winnifred Phoebe Joyce), 1942-. □ 246, 263
 Mitchell, J. G. (John G.), 1943-. □ 183, 453
 Morrison, David A. □ 190, 223
 Mouat, Jeremy. □ 458, 534
 Muralt, Darryl E., 1944-. □ 503
 Murray, Jeffrey S. □ 45, 67, 158
 Newell, Dianne, 1943-. □ 126, 248, 367, 441, 545
 Newman, Murray A., 1924-. □ 98, 127
 Nobbs, Ruby. □ 504
 Numbers, Ronald L. □ 34, 128, 159
 O'Brien, Patrick. □ 18, 191
 Olin, Jacqueline S., ed. □ 180, 220, 380, 451
 Ovenell-Carter, Brad. □ 360
 Pacey, Elizabeth. □ 315, 409
 Palmer, Richard. □ 316, 415
 Parker, Mike. □ 394, 448
 Patterson, Margaret Jean. □ 99, 293
 Peacock, Jim. □ 52, 203
 Pike, Robert M. □ 249, 348
 Prince, Philippe. □ 233, 512
 Proulx, Jean-Pierre, 1943-. □ 442, 523
 Pyenson, Lewis. □ 105, 207
 Rawling, Bill, 1959-. □ 324, 384, 410, 481
 Rayner-Canham, Geoffrey W. □ 19, 218
 Rayner-Canham, Marelene F. □ 19, 218
 Reeves, Wayne C. □ 317; 318
 Ricketts, Shannon. □ 313
 Riffenburgh, Beau. □ 160, 192, 204; 193
 Robertson, Peter. □ 68, 161, 330
 Rodger, Andrew. □ 68, 161, 330
 Rumney, Thomas A., ed. □ 1, 143, 225
 Sabourin, H el ene. □ 265
 Saindon, Richard. □ 513
 Samson, Roch. □ 385
 Sandberg, L. Anders, ed. □ 250, 449, 546
 Sarjeant, William A. S. □ 20, 69, 109, 162
 Scheinberg, Ellen. □ 303, 390
 Sheets-Pyenson, Susan, 1949-. □ 21, 40, 205; 5, 46
 Silver, Jim. □ 368
 Simon, G. T. □ 48, 114
 Simper, Fred. □ 340
 Smith, Anthony E. □ 251
 Smith, Julian A. □ 386, 399; 53, 209, 234, 398
 Smith, Stanley. □ 508
 Snider, C. H. J. (Charles Henry Jeremiah), 1879-1971. □ 524
 Soltan, H. C. (Hubert C.). □ 129; as ed. □ 41, 130

- Spalding, David A. E., 1937-. □ 22, 163
- Spring, John. □ 505
- Spry, Irene M. □ 6, 70, 228, 269
- Steeves, Brian. □ 71, 77, 270, 274
- Stevenson, Candace. □ 100, 294
- Stone, Ian R. □ 194
- Summers, John. □ 525
- Taber, Thomas T., III. □ 229, 506
- Tarpin, Christine. □ 295
- Teather, J. Lynne. □ 101, 296
- Thibeault Régis. □ 419
- Thompkins, R. W. (Russell Walter), 1908-. □ 235, 459
- Thurston, Harry, 1950-. □ 472, 526; 164
- Tilson, David. □ 527
- Tivy, Mary. □ 72, 102, 297; 79, 277
- Tremblay, Yves. □ 474; 473
- Trépanier, Michel. □ 61, 214, 468, 539; 219, 475
- Triggs, Stanley. □ 232, 328
- Twitchell, Heath, 1934-. □ 509
- Vardalas, John N. □ 352, 364
- Velayas, James M. □ 347
- Vick, Roger. □ 23, 131, 331
- Vincent, Elizabeth. □ 319, 371, 387, 411
- Vodden, Christy. □ 73, 271
- Wagg, Phyllis. □ 428
- Waiser, W. A. □ 195, 332
- Warecki, George. □ 50, 121, 541
- Watson, J. H. L. □ 48, 114
- Weaver, Helene. □ 476, 528
- Wellens-De Donder, Liliane. □ 2, 148
- Wetherell, Donald Grant. □ 372
- White, Annette. □ 391
- Williams; Glyndwr, ed. □ 171
- Williamson, A. M. □ 443
- Wilson, Bryce. □ 12, 175, 197, 413
- Wilson, M. C., ed. □ 9, 135
- Wilson, Scott D. □ 165
- Wood, David. □ 74, 132, 434, 450
- Wyczynski, Michel. □ 369, 444
- Wynn, Graeme, 1946-. □ 7, 166, 230; as ed. □ 1, 143, 225
- Yochelson, Ellis L. □ 167
- Young, Darius R. □ 260
- Young, Kathryn A. □ 24, 75, 133