

- Carleton University, Ottawa, Ontario,
71 p.
- Scott, S.D., and O'Connor, T.P., 1971, Fluid inclusions in vein quartz, Silverfields Mine: *Canadian Mineralogist*, v. 11, p. 263-271.
- Smyk, M.C., 1987, Geology of Archean interflow sedimentary rocks and their relationship to Ag-Bi-Co-Ni-As veins, Cobalt area, Ontario: Unpublished M.Sc. thesis, Carleton University, Ottawa, Ontario, 87 p.
- Somanchi, S., 1966, Subsolidus phase relations in the system Ag-Sb: *Canadian Journal of Earth Sciences*, v. 3, p. 211-222.
- Tomkins, A.G., and Mavrogenes, J.A., 2002, Mobilization of gold as a poly-metallic melt during pelite anatexis at the Challenger Deposit, South Australia: A metamorphosed Archean gold deposit: *Economic Geology*, v. 97, p. 1249-1271.
- Tomkins, A.G., Frost, B.R., and Pattison, D.R.M., 2006, Arsenopyrite melting during metamorphism of sulfide ore deposits: *Canadian Mineralogist*, v. 44, p. 1045-1062.
- Thompson, R., 1964, Cobalt silver area, northern sheet, Timiskaming district: Ontario Department of Mines, Map 2050.
- Thompson, R., 1967, Cobalt and district: Canadian Institute of Mining and Metallurgy, Centennial Field Excursion, Northwestern Québec-Northern Ontario, p. 136-143.
- Wilson, B.S., 1986, A sulphur isotope and structural study of the silver vein host rocks at Cobalt, Ontario: Unpublished M.Sc. thesis, Carleton University, Ottawa, Ontario, 156 p.
- Wykes, J.L., and Mavrogenes, J.A., 2005, Hydrous sulfide melting: Experimental evidence for the solubility of H₂O in sulfide melts: *Economic Geology*, v. 100, p. 157-164.

CORPORATE MEMBERS

PATRONS

**Alberta Geological Survey
Anglo American Exploration Canada
Memorial University of Newfoundland
Natural Resources - Government of Newfoundland and Labrador**

SPONSORS

**Geological Survey of Canada (Calgary)
N.W.T. Geoscience Office
Northern Geological Survey
Royal Tyrrell Museum of Palaeontology
Yukon Dept. of Energy Mines & Resources**

SUPPORTERS

**Activation Laboratories Ltd.
Franklin Geosciences Limited
Geoscience BC
IBK Capital Corp.
Johnson GEO CENTRE
SRK Consulting
Silver Spruce Resources Inc.
Strathcona Mineral Services Ltd.
Suncor Energy Inc.**

UNIVERSITIES

**Acadia University
McGill University
University of Calgary
University of New Brunswick
Université du Québec à Montréal
University of Toronto
University of Victoria
Utah State University**

Submitted May, 2008

Accepted as revised November, 2008
