

NEWSLETTER WINTER 2003



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Winter is here! It's hard to believe that another year has gone by . . . so fast. The last few months have been busy with informative geosciences talks from numerous quarters. The Yukon Geoscience Forum was well attended—which hopefully is a sign that the turn around in the exploration sector is about to begin in earnest this coming season. The MEG has again put on a very stimulating short course with "Geology and ore deposits: thinking outside the box".

The joint annual GAC-MAC-SEG conference in Vancouver May 25 – 28, 2003 is coming together very well. The final program and registration details are now all on-line at www.Vancouver2003.com. There is an extensive program in this conference and many of the sessions will be of particular interest to the local mining-exploration community, as well as a number of the short courses, workshops and field trips—check out the list in this newsletter. Of special interest to many in the local exploration community will be the short course being organized by Moira Smith and Dick Tosdal entitled: Alkaline Cu-Au porphyries and Fe-oxide Cu-Au deposits: Distinct deposit types, a continuum or genetic linkage? Speakers will include: Mark Barton, Murray Hitzman and John Dilles, leading experts on these types of mineral systems.

The Cordilleran Section is actively involved with the conference with the preparation of publications such as the circulars, abstract volume and CD as well as field trip guidebooks.

Carl Verley

Special thanks to contributors of this newsletter edition, including: Ted Danner, Stacey Lopston, Jim Ryan and Dean Richardson. If you wish to contribute something to the newsletter, send it to the editor c/o: gilley@sfu.ca





**Cordilleran Section — GAC
2002-2003 Council**

President: Carl Verley
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CORDILLERAN SECTION—GAC

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www.sfu.c/earth-sciences/gac/

Yukon Geoscience Forum

This year marked the 30th Yukon Geoscience Forum which was held November 15 to 19 in Whitehorse, Yukon. Saturday, November 16 started the ball rolling with oil and gas overview. Yes, there's still lots of interest and it's not just pipeline talk . . .

Conference opening remarks on Sunday by Tara Christie and Mike Power were followed by industry and exploration overviews from Ken Roberts, Mike Burke, Bill LeBarge, Riona Freeman and of course Grant Abbott. There was even a look south of the border with a review of activity in Northern B.C. by Paul Wodjak and to the west with Dave Szumigala's review of activity in Alaska. Ken Galambos gave an update on the Yukon's mining incentive program.

On Monday JoAnne Nelson and Brian Grant started off with a broad review of exploration opportunities throughout the Canadian Cordillera. Jim Ryan presented the latest revelations from NATMAP project in Yukon-Tanana rocks in the Stewart River area of Yukon. The results of Yukon targeted geoscience initiatives were presented for bedrock mapping in parts of the Glenlyon and Carmacks map sheets by Maurice Colpron. Alain Plouffe presented the story revealed by glaciation and some of the effects that this has had on dispersing geochemical anomalies in the Glenlyon sheet. Kasey Gladwin and Renee-Luce Simard presented the results of Geology program mapping projects in southern and central Yukon. Derek Thorkelson reviewed geology and mineral occurrences of Quartet Lakes area. Jean Pierre Jutras presented Manson Creek Resource's view of the SEDEX potential of the Tanner property in the Mayo Mining District.

The afternoon took off with up beat reviews of ongoing exploration projects; including Tintina Gold Province review by Craig Hart; Cantung Mine update by Bill Mann and Tay-LP property review by Robin Tolbert (Ross River Minerals). Bernie Gaboury presented details on True North Gem's emerald discovery in the Finlayson Lake area. Carl Schultze reviewed Klad Gold's promising gold prospects in the Tintina gold belt; Anna Fonseca presented latest exploration results from Regent Venture's Red Mountain project and Gerry Carlson gave up to the minute account of the on-going drill on Copper Ridge's Yukon Olympic property. Chris Naas gave an update on Tagish Gold's Skukum Creek gold property.

The day wrapped up with Dr. Sandy Cruden of the U. of T. giving the Al Kulan memorial, lecture. Sandy's topic was "Granites: the room problem"

Poster sessions were a well represented part of the forum with 35 presenters displaying in the foyer of the Yukon Government Administration Building.

On Tuesday, Lori Walton and Sue Craig organized the Northern Gems short course. John Armstrong from Yellowknife started off with an outstanding presentation on diamonds using the data base that he has build up from assessment reports in the NWT. Mike Dufresne gave a stimulating presentation on diamond potential in the Yukon. Scott Casselman revealed the latest information on the distribution of diamonds recovered from placers in Yukon. Lori Walton gave an excellent overview of coloured gems and gemstone potential in the Yukon. Dan Marshall (SFU) got into the nitty-gritty of what has been learned from Yukon emeralds. Andrew Smith of True North Gems discussed the trials and tribulations of financing gemstone projects. Lee Groat of UBC reviewed sapphires and other forms of corundum. This was followed by Brad Wilson's (Alpine Gems) excellent review of gemstones and discussion of what to do with gemstone prospects.



MEG Short Course

The Vancouver Mining Exploration Group in conjunction with the B.C. and Yukon Chamber of Mines held a short course on December 6. The theme: "Geology and Ore Deposits: thinking outside the box" was represented by a stimulating group of speakers from around the global. Geordie Mark from Australia led off with tips for distinguishing barren from productive mineral systems. Don Schissel of BHPBilliton presented the big picture with the latest thoughts on mantle plumes and hot spots and their role in metallogenesis. Dick Tosdal gave an informative synthesis of variations in mineralizing processes in porphyry systems and the role of structure and tectonic environment. Craig Hart reviewed the potential and complexities of the Tintina gold province. Wayne Goodfellow gave an update on stratiform Zn-Pb-Cu mineralization, its relationship to continental rifts and the architecture of ore holding basins. Lastly, Joan Nelson gave a great synthesis of Devonian-Mississippian mineralization in the Cordillera, from VMS to Mississippi Valley type deposits, and their relationship to arc and back-arc environments. After a panel discussion the group migrated to the Mining House for the BC & Yukon Chamber of Mines annual Christmas reception. The Geoscience community owes a special thanks to Peter Holbek and Rob Wilson for their work in organizing this event.



. . . *I'd rather be staking* . . .

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Pacific Mineral Museum

The Pacific Mineral Museum has closed. A new facility to house some of the specimens and material displayed there is being completed in the Geological Sciences Building at the University of British Columbia. The Museum's gift shop will also relocate to UBC.

The most memorable event for the museum was the gold show held during the fall of 2001. Millions of dollars worth of gold specimens, gold bars and ancient as well as modern coins were displayed. Many Lower Mainland students visited the museum to view dinosaurs on display. A specimen of the Tagish meteorite, which fell in northern B.C., was on display for a few months. The Tagish meteorite is probably the most unique meteorites found to date.

Geologists and mineralogists alike are indebted to the efforts of Ross Beaty, who was the main force behind its creation and funding. Many of the outstanding specimens on display were from his private collection. Many individuals and companies also contributed funds and specimens to the Pacific Mineral Museum.

Mark Mauthner designed the Museum and the "vault" displays which were quite remarkable. Many people from other museums in Canada and the United States came to get ideas and inspiration. Mary Cheung organized and managed the Museum shop which catered to mineral collectors, school children and tourists—fossils were one of the big sellers.

BCGS: GEOSCIENCE PARTNERSHIPS PROGRAM 2003

Following up on a successful program in 2002, the British Columbia Ministry of Energy and Mines wishes to develop geoscience partnerships to generate new data for the province. Details concerning last year's program and project guidelines are posted to the BC Geological Survey's web site at: <http://www.em.gov.bc.ca/Mining/Geolsurv/GSBPartnership/default.htm>

For information about the Geoscience Partnership Program or the Vancouver presentation, please contact Brian Grant at (250) 952-0454 or via E-mail at: Brian.

Grant@gems8.gov.bc.ca.



. . . *err, I mean skiing* . . .

J.O. Wheeler Awarde Massey Medal

Dr. John Wheeler, Emeritus Scientist with GSC Pacific was presented the 2002 Massey Medal for outstanding achievement in the field of Canadian geography on December 6, 2002 by the Governor General at Rideau Hall. The award, established by Governor General Vincent Massey in 1959, is sponsored by the Massey Foundation and administered by The Royal Canadian Geographical Society. The award is in recognition of the legacy of Dr. Wheeler's career spent deciphering the geology of the Canadian Cordillera. His contributions, many national in scope, include; mapping in the Selkirk mountains and the Icefield Ranges of the St. Elias Mountains, the definition of the five morphotectonic belts used by every Cordilleran geologist to provide a context for their work, involvement in the design and implementation of the Lithoprobe Project, the design and compilation of the Tectonic Assemblage map of the Canadian Cordillera, and shepherding to completion the compilation of a new Geological Map of Canada by a group of regional experts. The Governor

General's speech, made on the occasion of Dr. Wheeler's award, can be seen at: http://www.gg.ca/media/speeches/archive-2002/20021206_e.asp

Steve Irwin appointed GSC Vancouver Subdivision Head

Mr. Steve Irwin has taken on the role of GSC Vancouver Subdivision Head from Dr. C. Hickson who has become the full time leader of the South American Multi Andean Project - Geoscience for Andean Communities (MAP-GAC) project. Steve Irwin began with the GSC in 1983 as an undergraduate summer student. He graduated from UBC in 1990 with a Master's of Science in Geology (Paleontology). Prior to assuming the role of Subdivision Head Steve Irwin was the GSC Vancouver's laboratory and facilities manager for the past several years.

Brown Bag Discussion Group:

Look for upcoming notifications of these!

Howard Street Robinson Lecture Tour:

The Precambrian Division is organizing this year's tour. Dr. John Percival will be the speaker. Details of this event will follow.

MDD Award Nominations

The Mineral Deposits Division of the GAC is looking for nomination for the Duncan Derry Medal and William Harvey Gross Award.

Details of these awards can be found on the GAC website (<http://www.esd.mun.ca/~gac/MEDALS/medal.html>)

4th Annual University of British Columbia - Society of Economic Geologists

- Geological Association of Canada

Field Trip: April 26 - May 6, 2003



Geology and Mineral Deposits of Central Peru

Antamina Cu-Zn skarn deposit
Yanacocha epithermal Au deposit
Pierina epithermal Au-Ag deposit



Industry participation welcome:

The rate of C\$3000 (~US\$2100) includes transportation, lodging and tours



Organized by

The University of British Columbia,
Student Chapters of the Society of Economic Geologists,
The Geological Association of Canada

If you are interested in participating please contact :
Pat Hayman, Chapter President (phayman@eos.ubc.ca)
or Dick Tosdal, Director, MDRU(1-604-822-5149)
by March 1, 2003

OTHER OUTSIDE EVENTS:**2003**

January 15: **MEG** Rob Pease of Placer Dome on Geology and Mineralization of the Pueblo Viejo Gold/Silver Deposits; A World-class High Sulfi-dation Precious Metal System

January 17: **BCGS: Geoscience Partnerships**
1:30 pm, Room 300, 865 Hornby Street

January 20: **VPS** AGM; Perry Poon: Tyrell Musuem & Dinosaur Provincial Park.

January 27 - 30: **Cordilleran Roundup 2003**
This year it's at the Westin Bayshore!

February 12: **MEG** Mike Hibbitts: Kemess North Update

February 17: **VPS:** David Pokotylo: Hominid Fossils of East Africa

February 26: **MEG** Bob Carmichael: Tulsequah

March 5: **MEG** Patrick Waters of Anglo American, Phillippines on Boyongan.

March 9 -12: PDAC 2003 International Convention

March 17: **VPS:** John Fam: Queen Charlotte Island Fossils

March 19: **MEG** Mark Hannington of the GSC on Lihir

April 2003: KEG 2003: The 16th Annual Kamloops Exploration

April 21: **VPS:** Dr. Rufus Churcher: Vertebrate Dentition: Teeth & Manners

April 24 - 25: Calgary Mining Forum & Alberta Geological Survey Open House

May, 2003: CIM, Minerals North Conference

May 2—5: Fifth British Columbia Paleontological Symposium: Malaspina University-College, Nanaimo, B.C. Website is:
<http://web.mala.bc.ca/faep/paleo.htm>

May 19: **VPS:** Dr. Jim Haggart: Cretaceous Fossils of the Pacific Northwest

May 25 – 28: GAC-MAC-SEG Joint Annual Conference, Vancouver, B.C.
www.vancouver2003.com

June 16: **VPS:** Dr. Ted Danner: Fossils & Geology of Japan & China

July 21: **VPS:** Dr. Ted Danner: Fossils & Geology of Russia

UBC Earth and Ocean Sciences has a series of seminars and colloquia check their website for the last information: <http://www.eos.ubc.ca/public/events/seminars/seminars.html>

VPS: Vancouver Paleontological Society— a group of professional and amateur paleo enthusiasts who meet once per month to hear speakers on a range of topics related to paleontology & geology. All meetings are held at 8PM in the Vancouver Museum/ Planetarium, 1100 Chestnut Street, Vancouver; meetings are free & open to the public— also run field trips from March to October

SUMMER STUDENTS

Are you intending to hire students to work as junior or senior geological assistants for the upcoming summer? Whether in mineral exploration, environmental geoscience or any other "earth science" discipline, in the office or in the field, there are competent, intelligent and keen undergraduate students who are seeking experience in your area of interest. Please send your ads to all of the following departments so that they can be posted for the students to respond to.

Earth Sciences - Simon Fraser University
8888 University Drive
Burnaby, B.C. phone: (604) 291-5387
V5A 1S6 fax: (604) 291-4198

Earth & Ocean Sciences - University of British Columbia
6339 Stores Road
Vancouver, B.C. phone (604) 822-2449
V6T 1Z4 fax (604) 822-6088

Earth and Ocean Sciences - University of Victoria
P.O. Box 3055
Victoria, B.C. phone (250) 721-6120
V8W 3P6 fax (250) 721-2000



GAC-MAC-SEG Vancouver 2003:
*On the Edge: Earth Science at North America's
 Western Margin*

**JANUARY 17, 2003 ABSTRACTS DEADLINE AP-
 PROACHING!**

Please join us for the 2003 meeting of the Geological Association of Canada, Mineralogical Association of Canada, and Society of Economic Geologists. A thematic listing of the sessions follows. Here's what you need to know:

WHEN: May 25-28, 2003

WHERE: Sheraton Wall Centre, Vancouver, British Columbia, Canada (phone: 1-800-663-9255 for accommodations)

MORE INFORMATION:

website: www.vancouver2003.com

First Circular available now, contact Conference Secretariat for a copy
 Conference Secretariat (e.g., information on additional accommodations and other conference information):

VANCOUVER 2003
 c/o Venue West Conference Services Ltd.
 645 - 375 Water Street
 Vancouver, B.C. Canada V6B 5C6
 Telephone: 604-681-5226
 Fax: 604-681-2503

meeting email: vancouver2003@nrca.gc.ca

ABSTRACT SUBMISSION: DEADLINE: January 17, 2003; via conference website (see button "CALL FOR ABSTRACTS" on the website for further information).

REGISTRATION: available on-line at www.vancouver2003.com as of January 1, 2003.

THEMATIC PROGRAM SUMMARY

[Activity Category: FT = field trip ("A"=pre-meeting, "B"=post-meeting, "C"=during meeting); SC = short course; SS = special session; SYMP = symposia; WS = workshop]

Earth Science Awareness

SYMP01 Earth matters: Critical geoscience issues across Canada

Robert Turner, John Clague and Jane Wynne
Sponsored by GAC and CGEN

SS01 Early humans and the evolving northeastern Pacific margin

Renée Hetherington and Vaughn Barrie
Sponsored by GAC (Marine Geosciences Division) and IGCP project No. 464

SS06 West coast offshore oil and gas development: Issues, perspectives and responsibilities

Christopher Barnes and Michael J. Whiticar
Sponsored by GAC and CSPG

WS 2 EdGEO WORKSHOP

Eileen Van der Flier-Keller
Sponsored by EdGeo and CGEN

FT-C1. A walking geotour of Vancouver's buildings and monuments

Peter Mustard, Z.D. (Danny) Hora, and Cindy D. Hansen,
Sponsored by GAC - Cordilleran Section

Environmental Geoscience and Hazards

SYMP03 Metals in the environment

Bill Price and John Jambor *Sponsored by MAC*

SS02 Dangerous ground: Assessing the risk of natural and man-made hazards.

Bruce Broster, Henrietta Mann, Jeanne Percival, Bert Struik and Robert Turner
Sponsored by GAC (Environmental Earth Sciences Division and Volcanology and Igneous Petrology Division)

SS03 Geohazards in the marine environment

Vaughn Barrie and Philip Hill *Sponsored by GAC (Marine Geosciences Division)*

SS04 Environmental studies of mine wastes

Leslie Smith *Sponsored by MAC*

SC 4 MAC SHORT COURSE: Environmental aspects of mine wastes

John L. Jambor, David Blowes and Ian Ritchie
Sponsored by MAC

FT-A4 Seismic hazards in the Lower Mainland: Geological evidence, geotechnical evaluation and mitigation

Vic Levson, John Clague, and Pat Monahan

FT-B3 Quaternary glaciovolcanism along the Whistler corridor

Catherine Hickson and Kelly Russell

Geographic Information Systems

SS05 GIS: A leading edge for geoscientists in the 21st Century

Jeff Harris and Danny Wright
Sponsored by GAC (GIS Division)

SC 6 GAC SHORT COURSE: GIS for geoscientists

Jeff Harris *Sponsored by GAC*

Geophysics**SYM04 Paleogeography of the North American Cordillera: Evidence for and against large-scale displacements**

James Haggart, Randy Enkin and Jim Monger
Sponsored by GAC (Paleontology Division, Geophysics Division and Structural Geology and Tectonics Division)

SS12 Applications of geophysical inversions in mineral exploration: Current status and vision for the future

Doug Oldenburg and John McGaughey
Sponsored by SEG

WS 1 SEG WORKSHOP: Understanding geophysical inversions for mineral exploration

Doug Oldenburg and Francis Jones
Sponsored by SEG

Hydrocarbon Exploration**SS03 Geohazards in the marine environment**

Vaughn Barrie and Philip Hill *Sponsored by GAC (Marine Geosciences Division)*

SS06 West coast offshore oil and gas development: Issues, perspectives and responsibilities

Christopher Barnes and Michael J. Whiticar
Sponsored by GAC and CSPG

SS07 Beaufort-Mackenzie region: "Niger of the North?" Unlocking the resource potential of the northern edge of the Canadian Cordillera

Larry Lane and Dennis Johnston
Sponsored by GAC (Structural Geology and Tectonics Division)

SS08 Reactivation tectonics in the Cordilleran Foothills: Glimpses of the past, significance for the future.

Larry Lane and Glen Stockmal
Sponsored by GAC (Structural Geology and Tectonics Division) and the Central Foreland NAT-MAP Project

SS26 Sequence stratigraphy: On the edge of academic and industry research

Octavian Catuneanu *Sponsored by GAC (Canadian Sedimentology Research Group)*

SC 3 GAC SHORT COURSE: Sequence stratigraphy of clastic systems

Octavian Catuneanu *Sponsored by GAC*

SC 5 GAC SHORT COURSE: 3-D seismic interpretation

Bruce Hart *Sponsored by GAC*

Marine Geoscience**SS03 Geohazards in the marine environment**

Vaughn Barrie and Philip Hill *Sponsored by GAC*

(Marine Geosciences Division)

SS06 West coast offshore oil and gas development: Issues, perspectives and responsibilities

Christopher Barnes and Michael J. Whiticar
Sponsored by GAC and CSPG

SS27 New marine research opportunities, programs and technologies in the Northeast Pacific

Christopher Barnes, Verena J. Tunnicliffe and Kathy M. Gillis *Sponsored by Project NEPTUNE Canada, Project VENUS, IOPD Canada, and GAC*

Mineral Deposits and Exploration**SYM02 Sustainable development in the mineral resources sector: an oxymoron or golden opportunity?**

Jeremy Richards
Sponsored by SEG, GAC and MAC

SS09 Massive sulphide deposits on the edge: Formation of VMS and SEDEX deposits within evolving continental margins

Steve Piercey and Jim Mortensen *Sponsored by GAC (Mineral Deposits Division) and SEG*

SS10 Tectonic controls on Paleoproterozoic mineralization

Chris Beaumont-Smith, Al Bailes and Al Galley
Sponsored by GAC (Precambrian Division)

SS11 Gem materials

Lee Groat *Sponsored by MAC*

SS12 Applications of geophysical inversions in mineral exploration: Current status and vision for the future

Doug Oldenburg and John McGaughey
Sponsored by SEG

SS13 Canadian diamond deposits: History and techniques of their discovery – a tribute to Hugo Dummett

Felix Kaminsky and Donald K. Mustard
Sponsored by SEG and MAC

SS14 New perspectives on the evolution of the platinum group elements in magmas and ore deposits

James Scoates and David Peck *Sponsored by SEG and GAC (Mineral Deposits Division)*

SS15 Ore-forming processes in the porphyry copper (gold) and epithermal gold environments: What do we really know?

Steve Rowins and Anthony Williams-Jones
Sponsored by SEG, GAC (Mineral Deposits Division), and MAC

SS16 Cutting edge exploration techniques for concealed ore deposits

Ron Britten and Richard Tosdal
Sponsored by SEG

SS20 The application of fluid and melt inclusions to understanding geological processes

Iain Samson and Alan J. Anderson
Sponsored by MAC

SS21 New analytical developments in isotope geochemistry

Dominique Weis and Jim Mortensen
Sponsored by SEG, MAC, and GAC

SS23 Paleozoic evolution and metallogeny of pericratonic terranes at the ancient Pacific margin of North America

JoAnne Nelson, Maurice Colpron and Bob Thompson
Sponsored by GAC

WS 1 SEG WORKSHOP: Understanding geophysical inversions for mineral exploration

Doug Oldenburg and Francis Jones
Sponsored by SEG

SC1 MAC SHORT COURSE: The analysis and interpretation of fluid inclusions

Iain Samson, Alan J. Anderson and Dan Marshall
Sponsored by MAC

SC 2 GAC-MDD and MDRU SHORT COURSE: Alkaline Cu-Au porphyries and Fe-oxide Cu-Au deposits: Distinct deposit types, a continuum or genetic linkage?

Richard Tosdal, Moira Smith and Murray Hitzman
Sponsored by GAC-MDD and MDRU

FT-A1 Volcanogenic massive sulphide deposits at Myra Falls, Vancouver Island

Boliden-Westmin mine staff

FT-A2 Cordilleran ore deposits field trip

Trygve Höy and Dave Lefebure

FT-B1 Highland Valley porphyry copper deposits

Bill McMillan and Mike Cathro

FT-B2 PGE environments in the Cordillera

Graham Nixon

Mineralogy, Volcanology and Petrology

SYMP05 From mantle to magma: Lithospheric and volcanic processes in western North America

Ben Edwards, Dante Canil and Kelly Russell
Sponsored by GAC (Volcanology and Igneous Petrology Division) and MAC

SYMP06 Mantle plumes and large igneous provinces

Dominique Weis, John Ludden and Nick Arndt
Sponsored by GAC and MAC

SS11 Gem materials

Lee Groat *Sponsored by MAC*

SS19 Truth and beauty in metamorphism: A tribute to Dugald Carmichael

David Pattison, Marc St-Onge and Normand Bégin *Sponsored by MAC*

SS20 The application of fluid and melt inclusions to understanding geological processes

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FT-B3 Quaternary glaciovolcanism along the Whistler corridor

Catherine Hickson and Kelly Russell

FT-B4 The 2350 BP Plinian eruption cycle of Mount Meager

Kelly Russell and Catherine Hickson

Paleontology

SYMP04 Paleogeography of the North American Cordillera: Evidence for and against large-scale displacements

James Haggart, Randy Enkin and Jim Monger
Sponsored by GAC (Paleontology Division, Geophysics Division and Structural Geology and Tectonics Division)

SS17 The Eocene Okanagan Highlands (British Columbia/Washington State): Paleoclimate and evolutionary response

Bruce Archibald
Sponsored by GAC (Paleontology Division)

SS18 Extinction events, faunal turnovers and natural boundaries within and around the Late Triassic

Mike Orchard and Chris McRoberts
Sponsored by STS (Subcommission on Triassic Stratigraphy) and IGCP projects 458 and 467

FT-A5 Sedimentology, paleontology and ichnology of the Upper Cretaceous Nanaimo Group, Denman and Hornby islands

Peter Mustard, James Haggart, James MacEachern, Deanne Katnick and Kevin Treptau
Sponsored by GAC - Cordilleran Section

FT-B5 The Triassic of Williston Lake

Mike Orchard and John-Paul Zonneveld

Stratigraphy and Sedimentology

SYMP04 Paleogeography of the North American Cordillera: Evidence for and against large-scale displacements

James Haggart, Randy Enkin and Jim Monger
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Structure and Tectonics

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Sponsored by GAC (Volcanology and Igneous Petrology Division) and MAC

SS07 Beaufort-Mackenzie region: "Niger of the North?" Unlocking the resource potential of the northern edge of the Canadian Cordillera

Larry Lane and Dennis Johnston *Sponsored by GAC (Structural Geology and Tectonics Division)*

SS08 Reactivation tectonics in the Cordilleran Foothills: Glimpses of the past, significance for the future.

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Chris Beaumont-Smith, Al Bailes and Al Galley
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SS19 Truth and beauty in metamorphism: A tribute to Dugald Carmichael

David Pattison, Marc St-Onge and Normand Bégin *Sponsored by MAC*

SS22 4 billion years of tectonic evolution in NW Canada: Lithospheric lessons from multidisciplinary studies

Ron Clowes and Phil Hammer
Sponsored by LITHOPROBE

SS23 Paleozoic evolution and metallogeny of pericratonic terranes at the ancient Pacific margin of North America

JoAnne Nelson, Maurice Colpron and Bob Thompson *Sponsored by GAC*

SS24 Orogenic hinterlands: Windows into mid-crustal tectonic processes - A special session to honour the career of Richard Brown

Donald Murphy and Larry Lane *Sponsored by GAC (Structural Geology and Tectonics Division)*

SC 5 GAC SHORT COURSE: 3-D Seismic Interpretation

Bruce Hart *Sponsored by GAC*

FT-A3 Cordilleran cross section: Calgary to Vancouver

Jim Monger and Raymond Price

Sustainability

SYMP02 Sustainable development in the mineral resources sector: an oxymoron or golden opportunity?

Jeremy Richards *Sponsored by SEG, GAC and MAC*

SS25 Sustainability science?

Kurt A. Grimm and William E. Rees



CORDILLERAN SECTION—GAC FINANCIAL STATEMENTS

BALANCE SHEET

As of 12/31/03
(in Canadian Dollars—Cash Basis)

ASSETS

Cash and Bank Accounts
 CIBC-Chequing27,760.85
 Vancity Savings..... 565.93
 Vancity Shares..... 108.30
 Vancity Term #1 6,029.38
 VancityTerm #2..... 6,029.38
 Total Cash and Bank Accounts.....40,493.84

Other Assets
 Accounts Receivable..... 0.00
 TOTAL Other Assets.....0.00

TOTAL ASSETS\$40,493.84

LIABILITIES & EQUITY

LIABILITIES

Other Liabilities
 Sales Tax0.00
 Accounts Payable.....0.00
 Deferred revenue0.00
 GST Owed..... 185.36
 TOTAL Other Liabilities ... 185.36

TOTAL LIABILITIES 185.36

EQUITY\$40,308.48

LIABILITIES + EQUITY\$40,493.84

PROFI & LOSS STATEMENT

01/01/02 Through 12/31/02
(in Canadian Dollars—Cash Basis)

INCOME

Interest income..... 115.17
 Membership 2002 Dues238.00
 Publication Inc
 Cord. Sales3,332.31
 National Sales297.10
 Shipping 32.30
 TOTAL Publication Inc 3,661.71

TOTAL INCOME \$4,014.88

EXPENSES

Bank Expenses
 Bank Service Chg . 58.07
 VISA Expense116.67
 TOTAL Bank Expenses 174.74

Office Expenses
 Post Box Exp..... 95.00
 Supplies.....160.50
 TOTAL Office Expenses.....255.50

Publication Expenses
 Corilleran Pubs..... 79.15
 Shipping Expenses 78.93
 TOTAL Publication Expenses 158.08

Short Course Expenses
 Talk #1554.92
 TOTAL Short Course Expenses554.92

TOTAL EXPENSES \$1,143.24

OVERALL TOTAL \$2,871.64

The Cordilleran Section of the GAC was established over 30 years ago in an effort to bring geologists in the Vancouver and lower mainland area together to discuss and debate topical issues. As the group evolved and more geologists settled in the lower mainland the range of events grew from small discussion groups to workshops and short courses as well as symposia.

Objectives

To advance the science of geology, especially concerning the Cordilleran region. To promote a better understanding of Cordilleran region geological issues among geoscientists and the general public.

Activities:

Workshops: From time to time the Section puts on workshops in the winter or spring – watch our newsletter for upcoming workshops. In the recent past, topics have included:

- 1 **Diamonds: Theory & Exploration**
- 2 **Cordilleran Tectonics and Mineral Deposits**
- 3 **Yukon-Tanana**
- 4 **Nechako Geology**
- 5 **Introductory Geospanish**
- 6 **Internet for Geoscientists**
- 7 **Mining the Internet**
- 8 **Quality Control Strategies In The Estimation And Classification Of Mineral Inventories**

Publications: The Section sells GAC publications relevant to Cordilleran Members at local conferences. The Section also produces its own publications, including the popular **Vancouver Geology**. Latest publications are two sets of Field Trip Guidebooks produced for the April 2000 GSA Cordilleran Section meeting held here in Vancouver: **A transect of the southern Canadian Cordillera: Vancouver to Calgary** and **Guidebook for geological field trips in southwestern British Columbia and northern Washington**. A number of exciting, new publications are in the works, including: Field Trip Guides for GAC-MAC-SEG meeting in Vancouver, May 25-28, 2003; a new book looking at Vancouver geology with a focus on its landscape and natural hazard issues; and co-published with GAC National: **Geology of the Canadian Cordillera** and **Geology Tours of Vancouver's Buildings and Monuments**.

Student Members receive discounts on our books, workshops and other activities. Grants are available to qualifying student groups for conferences, formal field trips, and other activities.

JOIN US! ~~~~~ New Dues Structure for 2003 ~~~~~

Mail completed form, with cheque for annual membership dues of \$10 (GST included) payable to *Cordilleran Section – GAC*, to: P.O. Box 398, Station A Bentall Centre, Vancouver B.C., Canada V6C 2N2

___ *Renewal* ___ *New member*

Name: _____ Company/Affiliation: _____

Street: _____ City: _____ Province: _____

Postal/Zip: _____ E-Mail: _____

Tel. Office: (_____) _____ Home: (_____) _____ FAX: (_____) _____

Website: <http://www.sfu.ca/earth-sciences/gac/>