

## CORDILLERAN SECTION



GEOLOGICAL ASSOCIATION OF CANADA

**Geological Association of Canada**  
***Cordilleran Section***

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

email: [gac@nereus.geology.ubc.ca](mailto:gac@nereus.geology.ubc.ca)

**NEWSLETTER – MARCH 1999**

### **PRESIDENT'S NOTE**

The incessant rains and winds of January and February have given way to a new month, marked so far by a strong tendency towards incessant rains and winds! What a place to live! At least inclement weather provides some incentive to pursue inside activities. I am happy to report our annual Geospanish course of January 11<sup>th</sup> and 12<sup>th</sup> was again a success, with credit and thanks mostly to Rodolfo Baca Chavez of Rescan Environmental Services Ltd. for providing his time and expertise yet again to this popular course. Morgan Poliquin of Almaden Resources gave an outstanding Brown Bag talk on January 13<sup>th</sup>, discussing active geothermal systems as a guide to epithermal gold deposits. He also wowed us with some great rock samples. The turnout for this was gratifyingly large, about 25 people. Roundup in late January was the usual well-attended and organized event we have come to expect. Our small and rather cleverly hidden sales desk still managed to do a fair trade in GAC national, Mineral Deposits Division and Cordillera Section publications. The Atlas of Alteration by Anne and John Thompson remains a big seller, justified by the spectacular photographs and expertly written text. Brian Skinner of Yale University provided his GAC Medallist lecture on February 15<sup>th</sup>. Turnout was surprisingly poor for this talk, unfortunate as Dr Skinner provided a thought-provoking and also very optimistic view on the increasing need for new giant mineral deposit discoveries in the next quarter century and the possible new or refined technologies or ideas that may provide methods to find them.

We have two events planned for March and April. On March 10<sup>th</sup>, Ross Beatty of PanAmerican Silver will give a Brown Bag talk on Mineral Deposits of Mexico. On April 14<sup>th</sup>, Ward Kilby of the B.C.G.S. and Murray Journeay of the G.S.C. will facilitate an all day, hands-on computer workshop on Mining the Internet: Accessing Geoscience Databases for the Canadian Cordillera (see enclosed information and registration form).

We also present in this newsletter our financial statement for 1998. We had a very successful year financially, with a net revenue of nearly \$5800. This reflects our usual good revenue from book sales and an usually large profit from the Pathways '98 short course we presented in January of 1998. Our goal with events such as short courses and workshops is generally to make sure we break even or make a modest profit. However the Pathways '98 short course was simply much more popular than we had dared hope or budget for, thus we have accumulated more revenue than we might normally expect.

We are already brainstorming ideas for fall events: brown bag talks, workshops, field trips, etc. If you have any ideas on these matters or would like to volunteer to organize/give an event in the fall or winter please contact any of our council.

*- Peter Mustard*

*Thanks to GSC Pacific Division (Vancouver) for mailing assistance*



# Upcoming Cordilleran Section Events 1999

- 10 March, 12 noon** Brown Bag Talk: Mineral Deposits of Mexico  
 Ross Beaty, PanAmerican Silver  
 B.C.&Yukon Chamber Boardroom, 515 West Hastings St.
- 14 April, 8:30 am to 4:30 pm** Workshop: Mining the Internet  
 Ward Kilby, BCGS and Murray Journeay, GSC  
 Harbour Center, Simon Fraser University  
 (see information and registration form in this newsletter)

## Schedule of Talks: 1999 Vancouver Mining Exploration Group (M.E.G.)

<u>Date</u>	<u>Speaker</u>	<u>Company</u>	<u>Topic</u>
March 24, 1999	Moira Smith	Teck Corporation	Pogo, Alaska
April 7, 1999	Dave Heberlein	Barrick Exploraciones Argentina S.A.	Diablillos, Argentina

## GAC - CANADIAN GEOMORPHOLOGICAL RESEARCH GROUP

### WORKSHOP ON GEOPHYSICAL TECHNIQUES IN GEOMORPHIC RESEARCH

CGRG is sponsoring a two-day workshop to be held at Simon Fraser University, Harbour Centre Campus, Vancouver on March 20th and 21st 1999. The emphasis of the workshop will be on the application of ground-penetrating radar and high-resolution reflection seismic surveying to geomorphic problems.

For detailed course and registration information go to the following web page:

<http://www.sfu.ca/earth-sciences/CGRG.html>

or contact Dr. Michael Roberts, Earth Sciences, Simon Fraser University  
 (Phone: (604) 291-4657, email: mroberts@sfu.ca)

## Other outside events of interest

- Mar. 14-17, 1999: Prospectors and Developers Association of Canada Conference; Metro Toronto Convention Centre; Contact: PDAC at Tel: (416) 362-1969 or Fax: (416) 362-0101
- Mar. 18, 1999: UBC Colloquia: (12:30pm, Geology Rm 330A): Wayne Cannon, York University: "Long-baseline interferometry" (tentative).
- Mar. 24, 1999: UBC Colloquia: (4:00pm, Geopys. Rm 260): John Booker, U. of Washington: Does thick-skinned tectonics involve very weak faults in the deep crust?
- Mar. 25, 1999: UBC Colloquia: (12:30pm, Geology Rm 330A): Dr. Evert Hoek: The Challenge of Large Engineering Projects in Remote Regions of the World.
- Apr. 9, 1999: UBC Colloquia: (12:30pm, Geology Rm 330A): Stu Rojstaczer, GSA Birdsall Lecturer, Duke University: "Faults and Fluids: What can we learn about brittle failure in the crust from shallow subsurface hydrology".
- Apr. 11-16, 1999: 19<sup>th</sup> International Geochemical Exploration Symposium, Association of Exploration Geochemists, Hotel Vancouver, contact Venue West Conference Services Ltd. Tel. (604) 681-5226, Fax: (604) 681-2503.
- Apr. 15, 1999: UBC Colloquia: (12:30pm, Geology Rm. 330A): Gerry Ross, GSC/UofC: Phanerozoic Continental Drainage and Nd Isotopes in Sedimentary Rocks of North America.
- May 2-5, 1999: Canadian Institute of Mining, Metallurgy and Petroleum 101<sup>st</sup> AGM, Calgary, Alberta Contact: Chantal Murphy at CIM, 3400 de Maisonneuve Blvd., Suite 1210, Montreal, Quebec H3Z 3B8, Tel: (514) 939-2710; Fax: (514) 939-2714; email: cmim@login.net
- May 12-14, 1999: 11<sup>th</sup> Annual Minerals North Conference, Stewart, B.C., Contact: Stewart/Hyder Chamber of Commerce, PO Box 306 Stewart, B.C. V0T 1W0, Tel: (250)636-9224, Fax: (250)636-9129, Toll Free: 1-888-366-5999
- May 26-29, 1999: GAC-MAC Annual Meeting. Location: Laurentian University, Sudbury, Ontario
- June 2-4, 1999: GSA Cordilleran Section Centennial Meeting: "Century of the Pacific Rim: The Past as Prologue to the Future" Location: University of California, Berkeley, USA

## SUMMER STUDENTS FOR 1999

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 see.

Earth Sciences Simon Fraser University 8888 University Drive Burnaby, B.C. V5A 1S6	Earth and Ocean Sciences University of Victoria P.O. Box 3055 Victoria, B.C. V8W 3P6	Earth and Ocean Sciences University of British Columbia 6339 Stores Road Vancouver, B.C. V6T 1Z4
phone: (604) 291-5387 fax: (604) 291-4198	phone (250) 721-6120 fax (250) 721-2000	phone (604) 822-2449 fax (604) 822-6088

# FINANCIAL STATEMENTS, 1998

## Balance Sheet As of December 31, 1998

### ASSETS

<i>Cash and Bank Accounts</i>	
CIBC Checking	\$21,413.23
Vancity Savings	563.97
Vancity Shares	80.90
Vancity Term #1	5,434.45
VancityTerm # 2	<u>5,434.45</u>
<i>Total Cash and Bank Accounts</i>	\$32,927.00

<i>Other Assets</i>	
Accounts Receivable	\$ 55.00
Cordilleran Book Inventory (approx. retail value)	<u>14,500.00</u>
<i>Total Other Assets</i>	\$14,555.00

**TOTAL ASSETS** **\$47,482.00**

---

### LIABILITIES & EQUITY

<i>Other Liabilities</i>	
Consignment Paymentt to National for 1998 book sales)	\$ 2,896.50
GST Owed for 1998	<u>92.34</u>
<i>Total Other Liabilities</i>	\$ 2,988.84

**TOTAL LIABILITIES** **\$ 2,988.84**

**EQUITY** **\$44,493.16**

**TOTAL LIABILITIES & EQUITY** **\$47,482.00**

---

---

**Cash Flow Report**  
**January 1 through December 31, 1998**

**INFLOWS**

Interest Income:		352.97	
Membership Income:			
1998 Dues	957.00		
1999 Dues	<u>15.00</u>		
Total Membership Income:		972.00	
Publication Income:			
Copyright Payments	500.00		
Cordilleran Publication Sales	2,694.59		
National Publication Sales	3,802.00		
Shipping	9.82		
Unknown Book Sales	<u>126.50</u>		
Total Publication Income:		7,132.91	
Short Course Income:			
Brown Bags	3.00		
Nechako Short Course	752.33		
Pathways '98 Short Course	<u>9,754.09</u>		
Total Short Course Income:		10,509.42	
GST Collected on Dues, Books		<u>622.47</u>	
<b>TOTAL INFLOWS</b>			<b>19,589.77</b>

**OUTFLOWS**

Bank VISA Expenses:		85.56	
Newsletter Expenses:			
Postage	90.94		
Printing	<u>203.74</u>		
Total Newsletter Expenses:		294.68	
Office Expenses:			
Advertising	32.42		
Post Office Box	95.00		
Supplies	252.17		
Other	<u>32.01</u>		
Total Office Expenses:		411.60	
Publication Expenses:			
Cordilleran Revisited Reprinting	533.13		
National Book Costs (1997 & 1998)	5,029.13		
Shipping costs	<u>69.60</u>		
Total Publication Expenses:		5,631.86	
Short Course Expenses:			
Nechako	320.17		
Pathways	6,312.45		
Public Lecture	<u>191.54</u>		
Total Short Course Expenses:		6,824.16	
GST Paid on Expenses:		<u>560.02</u>	
<b>TOTAL OUTFLOWS:</b>			<b><u>13,807.88</u></b>
<b>NET INFLOW</b>			<b>5,781.89</b>

## GAC CORDILLERAN SECTION 1998-99 EXECUTIVE

	Name	Affiliation	Phone	Fax	Email
<b>President</b>	<a href="#">Peter Mustard</a>	SFU Earth Sciences	291-5389	291-4198	<a href="mailto:pmustard@sfu.ca">pmustard@sfu.ca</a>
<b>Past-President</b>	<a href="#">Greg Dipple</a>	UBC Earth & Ocean Sciences	822-2624	822-6088	<a href="mailto:dipple@eos.ubc.ca">dipple@eos.ubc.ca</a>
<b>Secretary</b>	Carl Verley	Amerlin Exploration Services Ltd.	821-1088	821-1088	<a href="mailto:cverley@bc.sympatico.ca">cverley@bc.sympatico.ca</a>
<b>Treasurer</b>	Jane Howe	Consulting Geologist	951-3052	951-3052	<a href="mailto:jmhowe@uniserve.com">jmhowe@uniserve.com</a>
<b>Publications &amp; Membership</b>	Mark Mauthner	Pacific Mineral Museum	871-1520	708-6065	<a href="mailto:mauthner@unixg.ubc.ca">mauthner@unixg.ubc.ca</a>
<b>Newsletter Editor</b>	Brett Gilley	SFU Earth Sciences	298-1555	291-4198	<a href="mailto:gilley@sfu.ca">gilley@sfu.ca</a>
<b>Councillors</b>	Ross J. Beaty	Pan American Resources	684-1175	684-0147	
	Ted Danner	UBC Earth & Ocean Sciences	822-6892 224-4108	822-6088	
	Doug Reddy	Snowden Resources	683-7645	683-7929	<a href="mailto:dreddy@snowden-ca.com">dreddy@snowden-ca.com</a>
	Chris Stanley	Geological Survey of Canada	666-6034	666-1124	<a href="mailto:cstanley@gsc.nrcan.gc.ca">cstanley@gsc.nrcan.gc.ca</a>
	Heather Sparks	UBC Earth & Ocean Sciences	224-0042		<a href="mailto:sparks@interchange.ubc.ca">sparks@interchange.ubc.ca</a>

## BROWN BAG LUNCHES

### *Brown Bag Discussion Series*

Meets monthly from 12:00 to about 1:30 pm at the B.C & Yukon Chamber of Mines. The Chamber of Mines is on the 2<sup>nd</sup> Floor Boardroom located at 840 West Hastings Street.

Bring your lunch if you like.

10 March, 12 noon

Mineral Deposits of Mexico – Ross Beaty, PanAmerican Silver

**Mining the Internet:  
Accessing Geoscience Databases for the Canadian  
Cordillera through the Internet.**

**When:** April 14<sup>th</sup>, 1999 8:30 am to 4:30 pm

**Where:** Harbour Centre Campus, Simon Fraser University  
515 West Hastings Street  
IBM Teaching Lab; Room 1310

**Registration:** See form on next page

**Note:** computer availability limit this workshop to a maximum of 32 participants

This Workshop will focus on two websites that provide access to geological databases for B.C. as well as the Canadian Cordillera. The morning session will be lead by Ward Kilby of the B.C. Geological Survey and will provide an introduction to the MapPlace. The MapPlace is a BC Geological Survey website which provides access and integrates most of the major geological and mineral exploration information maintained by the BC Ministry of Energy and Mines. The site provides free GIS-like access to this information through use of standard WWW browser software.

The afternoon session will be lead by Murray Journeay of the GSC who will provide an overview of Cordlink. The Cordlink website provides a seamless integration of digital maps, images and text on geology of the Canadian Cordilleran into a comprehensive information resource for the geoscientist and non-geoscientist.

The workshop will provide attendees with a hands-on introduction to both sites. Topics will include; software operation, information availability, major functionality and examples of common exploration related procedures.

The GAC Cordilleran Section would like to acknowledge developers of these websites:

**Journeay, J.M.** GSC Pacific Division

**Kilby, W.** Geological Survey Branch, Ministry of Energy and Mines

**Talwar, S.K.** GSC Pacific Division

**Struik, L.C.** GSC Pacific Division

**Brodaric, B.** GSC Continental Geoscience Division

**Williams, S.P.** GSC Pacific Division

**Lamberson, M.N.** Earth and Ocean Sciences Department, University of British Columbia

**April 14, 1999**

**MINING THE INTERNET WORKSHOP**

**Place:** Simon Fraser University - Harbour Centre Campus,  
515 West Hastings Street  
Room 1310: IBM Teaching Lab.

**Time:** 8:30 am - 4:30 pm

**Cost: (before Apr. 5)** Member \$30 Nonmember \$40  
Student/Senior Member \$20 Student/Senior Nonmember \$27

**(after Apr. 5)** Member \$40 Nonmember \$55  
Student/Senior Member \$30 Student/Senior Nonmember \$37

Morning & afternoon coffee provided

GST included in fee

cut me out or photocopy me

**MINING THE INTERNET WORKSHOP REGISTRATION**

April 14, 1999

Simon Fraser University - Harbour Centre Campus

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

***Before April 5, 1999.***      ***After April 5, 1999.***

Member:                      \_\_\_ \$30.00                      \_\_\_ \$40.00

Non-member:                \_\_\_ \$45.00                      \_\_\_ \$55.00

Student/Senior member:   \_\_\_ \$20.00                      \_\_\_ \$30.00

Student/Senior non-member: \_\_\_ \$27.00                      \_\_\_ \$37.00

*GST included.*

Cordilleran Section GST No. R108078569

**Please make cheques payable to: GAC - Cordilleran Section**

**Mail to:** GAC - Cordilleran Section  
P.O. Box 398, Bentall Station  
Vancouver, B.C. V6C 2N2