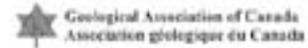


# THE MAIN THRUST

## ***NEWSLETTER OF THE STRUCTURAL GEOLOGY AND TECTONICS DIVISION OF THE GEOLOGICAL ASSOCIATION OF CANADA***



Fall/Winter 2004

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## 1. New SGTD/CTG Website URL

As you may have noticed, the URL of the CTG/SGTD has changed to: <http://www.brocku.ca/ctg/> Please adjust your bookmarks!

## 2. 2004 CTG Workshop in Saint John, N.B. [report submitted to the GEOLOG]

### Canadian Tectonics Group honours Phil Simony in the Maritimes

The Canadian Tectonics Group (CTG) gathered for their 24<sup>th</sup> annual fall workshop in the Fundy City of Saint John, New Brunswick, on the weekend of the 22<sup>nd</sup> to 24<sup>th</sup> of October 2004. The meeting was excellently organized by UNB's Paul McNeill in the honour of Professor Philip Simony, who had retired from the University of Calgary two years earlier. Philip can be described as an avid contributor to the Canadian Tectonics scene and he had not missed one of the previous 23 meetings since 1981.

While it was snowing in Canada's west, New Brunswick's maritime climate offered pleasantly mild temperatures and the still-foliated trees showed their vivid colours of the season.

The 38 delegates from universities, government departments and mining/oil & gas industries either drove or they flew into Moncton and Saint John airports, from where a shuttle service brought them to the Delta Brunswick in the downtown warehouse district (thanks to UNB's Stefan Kruse and John LaFontaine). Many participants took the opportunity to enjoy an atlantic seafood dinner. This was followed by the traditional icebreaker party in a hotel suite where cheese, crackers, and old anecdotes were rinsed down with wine and maritime beer.

Saturday's talks and posters were hosted in a cinema-like theatre in the nearby New Brunswick Museum. As usual, the atmosphere was relaxed and complimentary. The talks were thematically very well grouped, which added an elegant flow to the whole session.

The first block of talks dealt with the Cordillera: deformation on Turtle Mountain (Langenberg), deformation of the Windermere Supergroup (Wallace *et al.*), existence of the Columbia River Fault (Lemieux *et al.*), and 3-D mapping of a tectonometamorphic front (Simony).

The second block introduced two papers on shear-zone deformation in the Superior Boundary Zone (Kuiper & Lin, and Downey *et al.*), the TTG gneiss dome in southeastern Ontario (Schwerdtner & Yakovenko), and ended with fault patterns in the McCully gas field of New Brunswick (Durling).

After lunch and poster viewing, the third block offered post-Acadian deformation in the Chaleur Bay area (Jutras), cleavage development in mudrock in southeastern New Brunswick (Park), and

deformation of the Humber Arm Allochthon, Newfoundland (Bradley). Block four finally presented experimental work: deformation of calcite (Austin & Evans) and norcamphor (Fueten). The talks were followed by another poster session.

An SGTD business meeting chaired by Joe White was held at Tapps brewpub before Saturday's pub dinner.

On Sunday, Paul Wilson led the field trip into the Moncton subbasin of the Maritimes basin in the Sussex area. The enjoyable, principal discussion topic in each outcrop was: is the deformation tectonic or pre-diagenetic.

It is interesting to note that the strongest university contingents came from UNB, the University of Alberta, and the University of Waterloo. With the help of the members of the Calgary Oil & Gas industry and the honoured Phil Simony of the University of Calgary, Albertans appeared in large numbers, demonstrating that the spirit of the CTG is alive and well, and participants are willing to traverse the country in order to attend.

As always, program with abstracts, field trip guide, and the notes of the SGTD business meeting can all be found on our website at <http://www.brocku.ca/ctg/> [Note the new URL]. There, you can also view a slide show of the field trip.

Next year's 25<sup>th</sup> anniversary for the meeting will be held in Ontario. People who have visited the majority of these workshops since 1981 may have acquired a good overview of the regional geology of Canada.

### **3. Minutes of the SGTD Business Meeting in Saint John, N.B.**

October 23, 2004

#### **Structural Geology and Tectonics Division of the Geol. Assoc. of Canada**

Meeting held at Tapps Brewpub during the 24<sup>th</sup> annual fall meeting of the Canadian Tectonics Group in Saint John, N.B.

Chaired by SGTD chair Joe White

Minutes recorded by secretary Jürgen Kraus

20 members in attendance:

James Bradley, Ivan Dimitrov, Matt Downey, Colleen Elliott, Frank Fueten, Jürgen Kraus, Stefan Kruse, Yvette Kuiper, Bruno Lafrance, Willem Langenberg, Yvon Lemieux, Shoufa Lin, Paula MacKinnon, Paul McNeill, Andy Parmenter, Fried Schwerdtner, Philip Simony, Joe White, Paul Williams, Paul Wilson.

Meeting called to order at 17:05

The chairperson's agenda was approved by Paul Williams and seconded by Matt Downey.

Joe had two information items:

- (1) Awards/Prizes: Reflecting back on the first SGTD student awards at GAC/MAC at Brock last May, he suggested to put pictures of the best thesis winners Yvette Kuiper (PhD) and Nick Austin (MSc) on the website. The call for nominations of the best 2004 theses would be out in a month with the deadline likely being the end of January 2005. The best-paper prize for 2003 papers will still happen this year and there will be a call for nominations/submissions
- (2) GAC/MAC Halifax 2005: SGTD plans on sponsoring one symposium (transpression/transension of sedimentary basins) and one related field trip to the Minas basin. In May 2005 we will make suggestions for sessions at GAC/MAC in Montreal 2006. Fried Schwerdtner mentioned that Normand Goulet and Sandrine Caderon wished a special session on orogenic fronts.

Joe mentioned that his term as chairperson is ending in May 2005. There will be a search for his successor. Vice chair Jim Ryan's term is not up at that time so he will stay on. Clarity was brought into the notion that every vice chairperson would be automatically appointed chairperson at the end of his term. It was argued that this is asked too much to lock a person into the SGTD for six years by default.

Joe also brought up the reminder that the SGTD student winners' travel/registration will be financially supported by the SGTD by an amount that had been determined at the Vancouver business meeting in May 2003.

At 17:32 Willem Langenberg raised the motion to adjourn and Paula MacKinnon seconded it.

#### **4. Minutes of the SGTD Business Meeting at GAC/MAC 2004 in Saint Catharines, ON, May 2004**

May 12, 2004

##### **Structural Geology and Tectonics Division of the GAC**

Meeting held at Brock University during GAC-MAC meeting in St. Catharines, Ontario, from 4:00 pm to 5:10 pm.

Chaired by SGTD chair Joe White

Minutes recorded by vice-chair Jim Ryan

17 members in attendance:

Kathy Bethune, Frank Fueten, Normand Goulet, Dahzi Jiang, Steve Johnston, Stefan Kruse, Yvette Kuiper, Shoufa Lin, Paula MacKinnon, Paul McNeill, Pierre-Yves Robin, Jim Ryan, Fried Schwerdtner, Phil Simony, Bob Stesky, Joe White, and Paul Williams

Meeting called to order at 4:05 PM

Joe White formally congratulated a couple of award winning members who were in attendance. Yvette Kuiper (formerly of UNB) won the SGTD Jack Henderson Prize for the best PhD thesis (Yvette is presently doing a postdoc at Waterloo). Shoufa Lin was awarded the GAC W.W. Hutchison Medal (formerly known as the GAC Past Presidents Medal), which is awarded to a young individual for recent exceptional advances in Canadian earth science research. Both Shoufa and Yvette were present at the GAC awards luncheon earlier in the day when the awards were announced. It was noted that Nick Austin (formerly of UBC) was the winner of the SGTD Jack Henderson Prize for the best MSc thesis. Nick is presently starting a PhD at MIT.

Joe White reported that he did not have this year's financial statement in hand, but that it looks like our account had little change from last year, approximately \$7500 (a statement would be shortly forthcoming).

Joe asked if there were matters arising from the minutes of the SGTD meeting held in Vancouver 2003. Jim Ryan noted that the minutes have been posted on the SGTD website since summer 2003. Joe White noted that one matter arising was the fact that after we voted to re-initiate the position of Vice-Chair for the SGTD, he asked Jim Ryan to fill the position, and that Jim Ryan had agreed to that role for a term of three years.

Joe White pointed out that the primary function of the SGTD executive this year was to shepherd the student thesis prizes. As agreed to at Vancouver last year, we have decided to change the time of presentation of the award to occur at the awards luncheon at the annual GAC-MAC meeting. It was decided to send one thesis to individual reviewers, who would follow a marking template, and the executive for use the reviews and the points scheme to award the best thesis prizes. This required review of the thesis in the Spring. Implementation of the new scheme got underway a bit late, but was very successful (reviewers turned the theses around very quickly), and the award winners were given the option of attending the luncheon to receive the award.

Submission deadline for the 2005 awards will be December 31, 2004. Reviewers will get a couple months to complete the reviews.

Normand Goulet reminded the group that the GAC-MAC annual meeting for 2006 will be held in Montreal, from May 14-17. Fried Schwerdtner complained about the timing of the meeting, because it

would be difficult for people in the US to attend. Normand made a call for special sessions at the Montreal GAC-MAC meeting, and said he expects it to be a good meeting with lots of sessions. The SGTD should post a notice to its members seeking submissions for special sessions. Phil Simony commented that the SGTD sponsored session on High Strain Zones at the St. Catharines meeting, earlier in the day, was an excellent session, that was well attended, with a good mix of people coming and going.

Jim Ryan announced that he is being elected to the national GAC Council, and that he is hoping to help open the lines of communication between GAC national, and the divisions and sections.

Paul McNeill reported that plans for the Canadian Tectonic Group meeting for the Fall of 2004 are progressing. The meeting is being planned for Bathurst, New Brunswick, and ideas are evolving for the field trip (which may potentially be lead by Ivan Ivanov). Joe White offered a special thanks to Shoufa Lin and Nick Culshaw for organizing last Fall's CTG meeting and associated field trip at Parry Sound Ontario.

Joe White thanked Jürgen Kraus (our Secretary) for maintaining the website. A brief discussion was instigated by Jim Ryan inquiring about the necessity and cost feasibility of potentially buying web space from a private company and moving the SGTD website away from the Brock University server. The main reason being a concern that if we wanted to use more space to put a digital photo collection on the website, we might run into a space issue. Frank Fueten assured the group that server space was not a problem, and would become even less of a problem in the near future after a server upgrade at Brock. Frank does not at present mind updating the website with material given to him by Jürgen, but that updates from Jürgen will have to wait any time that Frank is away. It is unlikely that Jürgen could be given access to the server himself.

Frank noted that the Brock server does get hit with a lot of spam, which generally gets blocked out. There are even some viruses trying to get through, but the server is secure.

Bob Stesky pointed out that the emailing list does not seem to be very busy lately and wondered why.

Kathy Bethune asked about the structural atlas that has been talked about for years. Joe mentioned that it is stagnated because no one has been available to run with it. When discussion about potentially putting a collection of structural geology photos up on the web, Frank Fueten also suggested we might consider photos for educational purposes. Steve Johnston suggested looking at the Astronomy "picture of the day" for ideas or concepts.

Normand Goulet raised a concern that there is an upcoming meeting of Canadian Council of Professional Geoscientists, that will discuss Canadian geoscience standards for curriculum. The question was posed, how much background in structure and tectonics should there be

in Canadian curriculum, and should there be a standard? It will be a one-day meeting in Toronto. Should structural geology be a core course? No one in our group knew what the policy is. Pierre-Yves Robin pointed out that some geophysics degree programs do not require geology courses. Phil Simony pointed out that there is a syllabus.

Shoufa Lin commented on the format of the SGTD awards that are presented, and said we should have a standard format. Joe White responded that there is a format, and he will show it around.

Joe White will present Nick Austin with his best thesis award when he sees him in August.

Paul McNeill asked the question “do other sections or divisions have similar meetings as our Canadian Tectonics Group”, and should we considering combining with other divisions for our Fall meeting (eg. The Precambrian Division). Some people said they like the idea, and noted that we do have the option to do that.

No further discussion.

Shoufa Lin moved to adjourn at 5:05 PM.

## **5. Preview of Halifax 2005 GAC/MAC/CSPG/CSSS Joint Meeting**

At the upcoming GAC annual meeting, the Structural Geology and Tectonics Division is sponsoring one special session and a related field trip in addition to the general structural geology session. These are

### **Special Session-5 Transpression and Transtension in Sedimentary Basins**

John Waldron (University of Alberta) [[john.waldron@ualberta.ca](mailto:john.waldron@ualberta.ca)] and Joe White (University of New Brunswick) [[Clancy@unb.ca](mailto:Clancy@unb.ca)]

and

### **FT-B7 Deformation Along a Continental Transform Fault: Paleozoic and Mesozoic Transpression and Transtension, Bay of Fundy Shore, Nova Scotia**

John Waldron (University of Alberta) and Joe White (University of New Brunswick)

## **6. Preview of the 2005 CTG Fall Workshop**

The 25<sup>th</sup> anniversary CTG workshop will be held in the Orillia area, central Ontario, on a weekend in mid to late October, 2005. Organizers: P.-Y. F. Robin, W.M. Schwerdtner, D.H. Waddington and Vincent Vertolli, Assistant Curator of Geology, Royal Ontario Museum,.

We will use a resort/motor hotel in or near Orillia situated at a four-lane

highway and being 130 km north of the international airport at Malton, ON.

The field trip will go to the Shield edge (Gravenhurst map sheet) and highlight structures formed in response to late-Grenvillian vertical thinning (horizontal extension). The written field guide will be prepared by the organizing team.

The CTG date will be fixed shortly after we have finalized the site of the workshop. We will try to avoid major scheduling conflicts with the annual GSA Meeting (October 16–19) and fall events organized by groups such as the Friends-of-the-Grenville (FOG). Unfortunately, the weekend of the FOG trip may not be chosen until the spring. Possible dates for the CTG meeting could be October 14–16 or 26–28. Please send Fried and us your comments.

## **7. Winners of the 2003 Jack Henderson Awards**

### **Best MSc Thesis**

Nicholas J. Austin: Experimental Investigation of Textural Controls on the Brittle Deformation of Dolomite, University of British Columbia (advisor: Lori Kennedy).

### **Best PhD Thesis**

Yvette Kuiper: Geochronological, petrological and microstructural studies on the Thor-Odin dome, Monashee Complex, southern Canadian Cordillera, University of New Brunswick (advisor Paul F. Williams)

Congrats, Yvette and Nick. A \$200 cheque for each of you is in the mail.

## **8. Call for Submissions for the Jack Henderson and Dave Elliott Prizes**

We are calling for submissions for the best MSc. and PhD theses. Qualification deadline is thesis completion by December 31, 2004 and submission deadline to us is January 31, 2005. Please send the theses to Jim Ryan (GSC Vancouver, 605 Robson St., Suite 101, Vancouver, BC V6B 5J3, Tel.: (604) 666-7756, E-mail: [jryan@nrcan.gc.ca](mailto:jryan@nrcan.gc.ca)).

Also, we are calling for submissions for the Dave Elliott award for the best paper. Submissions will be for the calendar year ending December 31, 2004. These nominations should go to Joe White (Dept. of Geology, The University of New Brunswick, Fredericton, NB E3B 5A3, Tel.: (506) 447-3185, Fax: (403) 292-4961, E-mail: [clancy@unb.ca](mailto:clancy@unb.ca)).

## 9. Call for Submissions for Sessions at GAC/MAC 2006 in Montreal, PQ

The technical programs chairs of the LOC for GAC–MAC Montreal 2006 are:

- Andrew Hynes ([andrew@eps.mcgill.ca](mailto:andrew@eps.mcgill.ca)) of McGill
- Michel Lamothe ([lamothe.michel@uqam.ca](mailto:lamothe.michel@uqam.ca)) of UQAM
- Nuno Machado ([r30404@er.uqam.ca](mailto:r30404@er.uqam.ca)) of GEOTOP
- Ross Stevenson ([r13611@er.uqam.ca](mailto:r13611@er.uqam.ca)) of GEOTOP

The chairs are still seeking submissions for Symposia, Special Sessions, Short Courses, and field trips. You and your peers are encouraged to make submissions, to help widen the breadth and diversity of the Montreal program, and draw a lively and wide national and international audience. What is perhaps noticeably lacking thus far are special sessions of a more theoretical or detailed nature. Some tentative submissions or suggestions the chairs have so far (don't forget, not all of these will necessarily go ahead) that would be of direct interest to the Structural Geology and Tectonics community are:

### **Symposia:**

- The lower crust beneath the Canadian Shield: our state of ignorance

### **Special Sessions:**

- Structural evolution of oceanic crust – insights from ophiolitic record and modern analogs.
- Orogenic fronts: definition and characterisation
- Dynamics of the mantle and state of stress of the lithosphere in eastern Canada

### **Field trips:**

- Ophiolites from Southern Quebec
- The Grenville Province in the Shawinigan area
- The Grenville Front
- The Ottawa–Bonnechere Graben; tectonics, mineralization, sedimentation along a craton interior fault system
- The Morin anorthosite: a petrostructural cross–section

## 10. Mary–Claire Ward Geoscience Award (GAC and PDAC)

### ***Attention Graduate Students: Call for Applications***

The Selection Committee for the Mary–Claire Ward Geoscience Award is now calling for applications for the first presentation of the Award. The Award honours the many contributions to the Canadian

geoscience community of Mary-Claire Ward, Chairman of Watts, Griffis and McOuat Limited, Past President of GAC and long-serving Chairman of the PDAC's Geoscience Committee. The Award, which comprises a \$3,000 prize and a certificate, will be made to support students whose research has a significant mapping component, in recognition of Mary-Claire's strong belief in the importance of geoscience mapping.

**Eligibility:** Full-time graduate students attending a Canadian university and undertaking a Canadian geoscience thesis that has a focus on mapping (e.g., bedrock or surficial geology, geochemistry, geophysics) are eligible for the Award.

**Selection Criteria:** Applicants will be assessed on the contribution of their work to geoscience mapping in Canada, their academic qualifications and supporting statements from referees.

**How to Apply:** Application forms and additional information about application procedures will soon be available on the websites of PDAC ([www.pdac.ca](http://www.pdac.ca)) and GAC ([www.gac.ca](http://www.gac.ca)); check back periodically.  
Application Deadline: January 15, 2005

## **11. Call for Submissions For Nominations for Division Chair to be voted on at GAC/MAC Halifax 2005**

Joe White's term as Chair is ending this May, and we are seeking nominations to fill the vacancy. The rest of the executive Jim Ryan, Jürgen Kraus and Andy Okulitch, will remain for at least one more year, so there will be some corporate memory to help ease the successful candidate into the role. Joe has asked Shoufa Lin if he would be interested, and he expressed a favourable response. Please send your nominations to both Jim ([jryan@nrcan.gc.ca](mailto:jryan@nrcan.gc.ca)) and Jürgen ([jkraus@mac.com](mailto:jkraus@mac.com)). Nominations will be accepted by email up until Thursday, May 12 (to give us a chance to confirm interest with the nominee). We will take nominations in person at the Halifax business meetings, as long as the nominee is there to accept the nomination. We really should take nominations serious, as we hope to find a Chair with time and energy to revitalize the SGTD.

## **12. Call for Programs with Abstracts and Field-Trip Guides of all CTG Workshops since 1981**

We have been approached by a number of people who wish to have a digital record of all 24 previous CTG fall workshops since 1981 as pdf downloads for their reference and we thought this was a good idea. Ideally, what we want is that each organizer of each workshop and related

field trip steps forward and submits their program with abstracts/field trip guide in pdf format to us. We then will host them in the “Downloads” section of the CTG/SGTD website. By doing so, with respect to field guides at least, we will have created a road map of the geology of Canada, a true geological Trans–Canada highway.

We are aware that producing the pdf files may be a huge job, especially for the early years, where computing was less advanced and the paper copies have to be scanned. However, even if you do not have enough time on your hands, we appeal that you may delegate the job of scanning and assembling the pdf file to a technician or secretary in your workplace or to a commercial outlet. To see what we already have and what we still need, check our website. Below is a table of all CTG workshops and their organizers.

<b>Year</b>	<b>Location</b>	<b>Organizers</b>	<b>Field Trip</b>
2004	Saint John, NB	Paul McNeill	Paul Wilson
2003	Parry Sound, ON	Shoufa Lin	Nick Culshaw
2002	Tyax Lodge, Goldbridge BC	Lori Kennedy	Lori Kennedy, Paul Schiarizza
2001	Sudbury, ON	Bruno Lafrance	John Spray
2000	Parrsboro, NS	Ellie MacInnes, Joe White	Ellie MacInnes
1999	Berniereville, QC	Norman Goulet, Alain Tremblay	Alain Tremblay, Sebastien Castonguay
1998	Canmore, AB	Colleen Elliott, Shoufa Lin, Cees van Staal, Wouter Bleeker	Ray Price, Richard Brown, Paul Williams
1997	Halifax, NS	Nick Culshaw	Nick Culshaw
1996	Bowen Is, BC	Carol Evenchick	Murray Journeay, Jim Monger
1995	Rawdon, QC	Jacques Martignole	Jacques Martignole, Shaocheng Ji
1994	Belleville, ON	Pierre–Yves Robin, Fried Schwardtner	Pierre–Yves Robin, Fried Schwardtner, Paul Williams
1993	Espanola, ON	Frank Fueten, Paula MacKinnon	Sandy Cruden
1992	Nordegg, AB	Phillipe Erdmer, Willem Langenberg	Phillipe Erdmer, Willem Langenberg, Philip Simony
1991	Magog, QC	Normand Goulet	Norman Goulet, Robert Marquis
1990	Liscombe, NS	Paul Williams	Paul Williams
1989	London, ON	John Starkey	Sam Longiaru, Sandy Rutherford, John Starkey (workshop)
1988	Banff, AB	Philip Simony	Philip Simony, Deborah Spratt
1987	Thunder Bay, ON	Graham Borradaile	Graham Borradaile
1986	Sudbury, ON	Don Rousell	Don Rousell
1985	Halifax, ON	Chris Mawer, Paul Williams	Duncan Keppie
1984	Maniwaki, QC	Simon Hanmer, Jack Henderson	Simon Hanmer
1983	Jasper, AB	Henry Charlesworth, Willem Langenberg	Henry Charlesworth, Willem Langenberg
1982	Gravenhurst, ON	Fried Schwardtner, Pierre–Yves Robin	Fried Schwardtner
1981	Fredericton, NB	Paul Williams	Peter Stringer

### 13. Financial Report from Treasurer Andy Okulitch

#### Treasurer's report, 15 January 2004

(submitted by A.V. Okulitch)

**Balance, 31 Dec 2002: \$ 7447.66**  
*Bank charges:* - 5.90  
*Meeting catering:* - 0.00  
*Membership dues 2003:* + 814.16  
**Balance, 31 Dec 2003: \$ 8255.92**

#### Treasurer's report, 30 November 2004

(submitted by A.V. Okulitch)

**Balance, 31 Dec 2003: \$ 8255.92**  
*Bank charges:* -2.00  
*Meeting catering:* - 0.00  
*Student prizes:* - 600.00  
*Membership dues 2004:* + 0.00  
**Balance, 30 Nov 2004: \$ 7655.92**

### 14. NATIONAL LECTURE TOUR

Shoufa Lin (University of Waterloo), a very active member of the SGTD is the 2004–2005 winner of the GAC Hutchison Medal, and will complete an associated lecture tour. Shoufa is the first W.W. Hutchison medalist, and title of his lecture is "*Structural thinking: a key to mineral deposit studies in deformed terrains*". If you are interested in having Shoufa lecture in your area, please contact John Waldron (john.waldron@ualberta.ca), the GAC Hutchison Medal Lecture Tour organizer.

### BIOGRAPHY

Shoufa Lin received his BSc (1983) and MSc (1986) from Hefei University of Technology in China and his PhD (1992) from the University of New Brunswick. He worked at the Geological Survey of Canada (1992–1996) and the Manitoba Geological Survey (1997–1998) before joining the University of Waterloo where he is currently an Associate Professor.

Shoufa Lin's main research interests involve the structural and tectonic evolution of orogenic belts, the kinematics and tectonic significance of shear zones, and the structural control and modification of mineral deposits. He has conducted field studies in the Canadian Appalachians in Nova Scotia and Newfoundland, in the Superior Province in Quebec, Ontario and Manitoba, in the Slave Province in the NWT, and in the Dabie Shan Mountains in central China.

The honours he has received include the 1992 Best Thesis Award and the 1998 Best Paper Award of the Structural Geology and Tectonics Division of the Geological Association of Canada (GAC), a Governor-General's Gold Medal (1993), an Ontario Premier's Research Excellence Award (2001), the William Harvey Gross Medal of the Mineral Deposits Division of the GAC (2004) and most recently the W.W. Hutchison Medal of the GAC (2004). He was elected as a Distinguished Fellow of the GAC in 2004.

#### Hutchison Medal Lecture Tour Schedule

Dr. Shoufa Lin – Distinguished Lecturer

Eastern and Central Canada (*western Canada schedule still taking shape*)

#### October 2004 – January 2005

- Tue., Oct. 19, 11:15 am St. Francis Xavier University
- Wed. Oct 20, 12.30 pm Acadia University
- Thu, Oct. 21, 11:30am Dalhousie University
- Thu, Oct. 21, 2:30pm St. Mary's University
- Mon, Oct. 25, 12:30pm University of New Brunswick
- Mon, Nov. 1, 7:00 pm Timmins, Porcupine Geological Discussion Group
- Wed, Nov. 3 Ottawa/Carleton Geoscience Centre
- Thu, Nov. 4, 12:15 Université du Québec à Montréal
- Fri, Nov. 5, 1:00 pm McGill University
- Thu, Nov. 11, noon University of Toronto
- Thu, Nov 25, 4:00pm University of Windsor
- Fri Jan 21 University of Western Ontario
- Date TBA University of Waterloo

#### 15. Whence the Mountains?

At the recent 2004 Denver Annual Meeting of the GSA (November 7–10, 2004), a session was devoted to celebrating the first 50 years of the career of one of the Canadian Greats of structural geology and tectonics, Dr. Raymond Price. Topical session 85 was titled "Whence the mountains? New developments in the tectonic evolution of orogenic belts:

Celebrating the dynamic career of Raymond A. Price at the 50-year mark". The session, which was sponsored by the GSA Structural Geology and Tectonics Division and the Geological Association of Canada, featured a line up of speakers that was truly impressive – a fine tribute to the first 50 years of Ray's career. Speakers came from around the globe, and included both the most senior and most cutting edge thinkers in thrust belts and orogenic belts. Orogens on every continent were discussed, with scales ranging from thin section to orogen-wide. 56 presentations were made during 4 oral sessions and 1 poster session.

The session honored the contributions of Ray, an outstanding structural geologist and tectonist whose work has helped establish the Canadian Cordillera as a reference standard for students of mountain systems around the globe. Fifty years ago, as an undergraduate, Ray posed the question, "Whence the Mountains?" in a short article published in the University of Manitoba Science Faculty newsletter. Since then, Ray's 250+ papers, maps, reports, and abstracts have illuminated the processes and history of compression, crustal wedging, collapse, crustal boudinage, transpression, and transtension in orogenic settings. In the North American Cordillera, Ray has worked from the foreland through the hinterland to the collage of accreted terranes at the Cordilleran margin.

The session was organized by Jim Sears (University of Montana), Tekla Harms (Amherst College), and Carol Evenchick (Geological Survey of Canada), who hope to have a special publication in Ray's honor on the evolution of orogenic systems as a follow up to the topical session, published by 2006.

Ray has been Professor Emeritus of Geological Sciences and Geological Engineering at Queen's University in Kingston, Ontario since he retired from Queens in 1998. He has remained highly active in research and in the supervision of thesis research projects. Ray joined Queens in 1968, after coming from the Geological Survey of Canada. He has held a number of prestigious and influential positions throughout his career on the national and international scientific stage.

Well done on the first 50 years Ray!

## **16. Retirement of Dr. Andrew Okulitch**

After 30 plus years of public service at the Geological Survey of Canada, Dr. Andrew Okulitch has finally decided to retire to the good life, as of October 29. Andy will in fact stay on at the GSC as an Emeritus Scientist, and continue his passion of map compilation, and complete ongoing projects. But this will happen on his own schedule. Thankfully, Andy has also agreed to stay on the SGTD executive as treasurer.

Andy was given a proper send off, with a party in Calgary held by his longtime friends and colleagues, and by two functions in Vancouver.

An office function was held in the GSC Vancouver boardroom on Friday, October 29, where Andy was presented with a cake, a gift, a “Ye Old Geezers Society” card, and a very attractive “pink slip” that he strutted proudly. On Saturday, October 30, a larger retirement party was held at Steamworks Brew Company in downtown Vancouver, where nearly 70 friends of Andy gathered to toast and roast him. In addition to a gift certificate to Lee Valley (will come in very handy), Andy was presented with a cake emblazoned with the Geology Map of Canada, to which Andy was a major contributor. Andy and his wife Melynda enjoyed the functions very much, and appreciated all the fuss. Melynda has a long list of things to add to Andy’s “to do” list. Enjoy your retirement, Andy.

## 17. GAC Membership Renewal

### Early renewal deadline extended to December 22, 2004!

It is GAC renewal time. GAC have a new membership site, where full-paying Members can SAVE \$20 by renewing for 2005 before December 22nd, 2004. GAC are continuing to offer discounted rates for all other Member categories i.e. Retired, Unemployed, Student and Spousal. Membership to the SGT Division can be made by checking off the appropriate box for an additional \$5.

## 18. Upcoming Meetings of Interest

6–7 December 2004: Channel Flow, Ductile Extrusion and Exhumation of lower–mid crust in Continental Collision Zones. Geol. Soc., London  
[http://www.geolsoc.org.uk/template.cfm?name=channel\\_flow](http://www.geolsoc.org.uk/template.cfm?name=channel_flow)

24–29 April European Geosciences Union Vienna, Austria  
<http://www.copernicus.org/EGU/ga/egu05/index.htm>

1–4 May 2005 Deformation, Rheology & Tectonics, ETH Zürich  
<http://www.geology.ethz.ch/sgt/DRT2005/drt.htm>

15–18 May 2005 Halifax 2005 GAC/MAC/CSPG/CSSS  
<http://www.halifax2005.ca/>

8–11 August 2005 Earth Processes 2, Calgary AB GAC/GSA  
*Ancient Earth Systems, Modern Earth System Processes, and Earth System Futures*  
<http://www.geosociety.org/esp2/>

## 19. Christmas Greetings from all current SGTD Executive and Councillours

*We wish you a merry Christmas and a happy new year!*

**Chairman:** Joseph C. White, Dept. of Geology, The University of New Brunswick, Fredericton, NB E3B 5A3, Tel.: (506) 447-3185, Fax: (403) 292-4961, E-mail: [clancy@unb.ca](mailto:clancy@unb.ca).

**Vice Chairman:** Jim Ryan, GSC Vancouver, 605 Robson St., Suite 101, 16th Floor, Vancouver, BC V6B 5J3, Tel.: (604) 666-7756, E-mail: [jryan@nrcan.gc.ca](mailto:jryan@nrcan.gc.ca).

**Secretary:** Jürgen Kraus, Mortal Oil Ltd., 2011, 20th Ave SW, Calgary, AB T2T 0M1, Tel.: (403) 245-2206, E-mail: [jkraus@mac.com](mailto:jkraus@mac.com).

**Treasurer:** Andy Okulitch, GSC Vancouver, 605 Robson St., Suite 101, 16th Floor, Vancouver, BC V6B 5J3, Tel.: (604) 666-0788, E-mail: [aokulitc@nrcan.gc.ca](mailto:aokulitc@nrcan.gc.ca).

### **Councillours:**

Keith Benn, The University of Ottawa, Tel.: (613) 562-5800 ext 6858, E-mail: [kbenn@uottawa.ca](mailto:kbenn@uottawa.ca).

Bill Fyson, The University of Ottawa, Tel.: (613) 745-6645, E-mail: [wfyson@uottawa.ca](mailto:wfyson@uottawa.ca).

Shaocheng Ji, Département des Génies Civil, Géologique et des Mines, École Polytechnique de Montréal, Tel.: (514) 340-4711 poste 5134, E-mail: [sji@courriel@polymtl.ca](mailto:sji@courriel@polymtl.ca).

Lori Kennedy, The University of British Columbia, Tel.: (604) 822-1811, E-mail: [lkennedy@eos.ubc.ca.ca](mailto:lkennedy@eos.ubc.ca.ca).

Shoufa Lin, University of Waterloo, Tel.: (519) 888-4567 (extension 6557), E-mail: [shoufa@sciborg.uwaterloo.ca](mailto:shoufa@sciborg.uwaterloo.ca).