



DEPARTMENT OF
GEOLOGICAL SCIENCES

Queen's University
Kingston, Canada
K7L 3N6

December 15, 1976.

Dear Colleague:

For the past few years a number of graduate students and university professors who are involved in research on the tectonics of the southeastern Canadian Cordillera have gathered in the Department of Geological Sciences at Kingston with representatives of the Geological Survey of Canada, and other interested persons, to conduct an informal review and workshop on their research. The purpose of the workshop has been two-fold:

1. to present a brief summary of progress on, (or plans for), work supported through EMR research agreements
2. to facilitate informal exchange of information and ideas amongst those working on the tectonics of the southeastern Canadian Cordillera.

Plans are now underway for another of these workshops to be held in the Department of Geological Sciences at Queen's University from Thursday evening, January 20th to Saturday afternoon, January 22nd, 1977.

As in past years, we can allow about 15 minutes for each person involved in an EMR-supported project to review that particular project. The remainder of the time can be allocated to general discussion and to brief presentations on other research projects.

In addition to about 15 to 20 graduate students or postdoctoral fellows and professors from four universities who are involved in the EMR-supported research projects in this area, there are at least 20 other people affiliated with the Geological Survey of Canada (Ottawa, Calgary and Vancouver), the B. C. Department of Mines and Petroleum Resources, Cominco and various universities have advised me of their interest in participating (see list below). The size of these gatherings obviously is growing toward a critical threshold that will preclude easy informal communication and simple organization.

In order to make the necessary arrangements for the workshop, it is necessary that I receive, as soon as possible, a firm indication of who will be participating. Accordingly, if you or one of your graduate students plan

...../2

to attend, please send me the following information:

1. Do you plan to report on an EMR-supported project? If so, what is the title?
2. Do you wish to be allotted 15 minutes to report on some other project? If so, what is the title? (It may not be possible to accommodate everyone who wishes to make a scheduled 15 minute report if we are to reserve time for discussion).
3. Do you wish to have accommodation reserved in your name for any or all of the January 20th to 22nd or would you prefer to make your own reservations? (Many visitors to the Department of Geological Sciences at Queen's stay at the Seaway Town House Motor Inn, 686 Princess Street, Kingston, Ontario (613-546-6616). It may be possible to reserve rooms for students in the Students' Union Building on campus at \$5/night/student if own soap and towels supplied).

I look forward to having you reply soon. With every good wish for the Holiday Season and the New Year.

Sincerely,



R. A. Price,
Professor and Head.

RAP/bm

Dictated by Dr. Price and signed in his absence.

1977 WORKSHOP ON TECTONICS OF THE SOUTHEASTERN CANADIAN CORDILLERA

Tentative Program

- January 20 Thursday evening - Departmental Lounge, Bruce Wing of Miller Hall.
- January 21 Friday - Seminar Room (Room 302) Miller Hall.
- 9.00-9.05 Ray Price (Queen's) - Welcome and Introduction
- 9.05-9.15 Ray Price (Queen's) - Operation Bow-Athabasca and Queen's-McGill research on tectonic evolution of the southeastern Canadian Cordillera.
- 9.15-9.30 Eric Mountjoy (McGill) - Structure and stratigraphy of the Miette Group along the Miette River Valley west of Jasper.
- 9.30-9.45 Steve Cloyd (McGill) - Relationships between normal faults and thrust faults southwest of Jasper.
- 9.45-10.00 Paul Schiarizza (Queen's) - Metamorphism in the western Rocky Mountains in the Big Bend-Canoe River area.
- 10.00-10.15 Dave Crow (Calgary) - Metamorphism and structure of the southern Park Ranges.
- 10.15-10.30 Coffee
- 10.30-10.45 Dick Brown (Carleton) - A structural and stratigraphic interpretation of the Selkirk Mountains.
- 10.45-11.00 Mike Perkins (Carleton) - Stratigraphy of the Horsethief Creek Group in the northern Selkirk Mountains.
- 11.00-11.15 Dave Shaw (Carleton) - Interpretation of structures adjacent to Adnams Fluton by the method of finite element analysis.
- 11.15-11.30 Larry Lane (Carleton) - Structure and Stratigraphy of the Goldstream-Downie Peak area of the Selkirk Mountains.
- 11.30-11.45 Joe Hakkinen (Queen's) - Structural geology and metamorphic history of the Cleburne-Dawson salient of the Shuswap metamorphic complex, near Revelstoke, B.C.
- 11.45-12.00 Jim Sears (Queen's) - Tectonic analysis of the Albert Peaks area, Selkirk Mountains.
- 12.00-13.00 Lunch - Students union cafeteria.

- 1300-1315 Doug Gardner (Queen's) - Locally developed crenulation cleavage, Western Main Ranges, near Golden, B. C.
- 1315-1330 Bill Travers (Cornell) - Axe-directed thrusting in the Ashcroft Basin.
- 1330-1345 Scott Montgomery (Cornell) - Ophiolite emplacement and metamorphism along the margin of the Onenica Crystalline Belt near Clearwater, B.C.
- 1345-1400 Ray Price (Queen's) - Late Proterozoic and Early Paleozoic structures in the Purcell and Southern Rocky Mountains and the kinematics of Mesozoic and Cenozoic deformation.
- 1400-1415 Keith Glover (Queen's) - Stratigraphy, structure and metamorphism of the Windermere Supergroup, southern Kootenay Arc, B.C.
- 1415-1430 Doug Archibald (Queen's) - Geochronology of the southern Kootenay Arc.
- 1430-1445 Gary Benvenuto (Queen's) - Structure evolution of the Hoxner Nappe.
- 1445-1500 Jim Sears (Queen's) - The Siberian Shield, the Canadian Shield and the initiation of the Cordilleran miogeoclinal.
- 1500-1515 Coffee
- 1515-1525 Margo McIschan (Queen's) - Sedimentation, Stratigraphy and Tectonics of the Lower Purcell Supergroup in the Rocky Mountains of the Cranbrook-Fort Steele area.
- 1525-1530 Nob McIschan (Queen's) - Sedimentation, stratigraphy and tectonics of the Flathead Valley graben, British Columbia.
- 1530-1700 Questions and General Discussions based on individual presentations.
- 1700- Retire to Queen's Pub etc.
- 1800-1930 Dinner - Students Union.
- 1930- Discussion
1. Stratigraphy and Tectonic Significance of the Windermere Supergroup.
 2. Lower Paleozoic Stratigraphy and Tectonics in the Onenica Crystalline Belt.
 3. Metamorphism and Deformation in the Southeastern Cordillera of Canada - Comparison and Correlation from area to area with a view toward an integrated history.

Saturday, January 22, Seminar Room (Room 352), Miller Hall.

9.00-1200 General Discussion (format and agenda to be established).

Tectonic models for the southeastern Cordillera.

Planning of future field programs.

1977 Workshop on Tectonics of the Southeastern Canadian Cordillera

Dick Campbell	GSC - Vancouver
Dave Crow	Calgary
Jakob Wagner	Calgary
John Reesor	GSC - Ottawa
Bob Douglas	GSC - Ottawa
Andy Oculich	GSC - Ottawa
Dick Brown	Carleton
Mike Perkins	Carleton
Dave Shaw	Carleton
Larry Lane	Carleton
Bob Leatherbarrow	Carleton
John Poutka	Carleton
Eric Mountjoy	McGill
Steve Cloyd	McGill
Bill Travers	Cornell
Scott Montgomery	McGill
Pierre Debat	Montreal (l'Université Paul Sabatier, France)
Paul Schiarizza	Queen's
Doug Gardner	Queen's
Joe Hakinen	Queen's
Jim Sears	Queen's
Keith Glover	Queen's
Doug Archibald	Queen's
Gary Benvenuto	Queen's
Margo McMechan	Queen's
Dave Shaw	Queen's
Bob McMechan	Queen's
Dave Bailey	Queen's
Steve Gordey	Queen's
Larry Dick	Queen's
Clint Tippet	Queen's
Ed Procyshyn	Queen's
Lila Jaletzky	Queen's
Grant Bartlett	Queen's
Alan Clark	Queen's
John Dixon	Queen's
Ed Farrar	Queen's
Bob Gregg	Queen's
Herb Helmstaedt	Queen's
Jay Hodgson	Queen's
Ray Price	Queen's