

R.A.P.

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7th Tectonic Workshop - Jan. 31 - Feb. 2, 1981

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and
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NO
YES
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YES
+ East coast - TMR 2

yes + tick

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ROBERT LEWIS
JANE MURRAY
CHARLES ROOSE
QUENTIN GILL
DAVE PILLING
VAN. S. SMITH
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NO
YES

yes + tick

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NO

YES

NO

yes + tick

NO

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NO

1
tick

NO

1

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yes

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CHARIS ONE
JENNIFER PELL 3
PAUL SCHIARIZZA wife

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D.A. Archibald,		✓	?	
K.E. Ashton,				
D.M. Carmichael,				
A.H. Clark,				
L. Corriveau,				
P. Erdmer,			✓	✓
C.A. Evenchick,		✓	✓	✓
E. Farrar,		✓	✓	✓
T.A. Harns,		✓	?	
C.J. Hodgson,				
M. Journeay,		✓	✓	
E.P. Newman,				
R.D. McMecham,				
K.H. Poulsen,		✓		
R.A. Price,				
M.R. St-Onge,		✓		
D.R. Shaw,				
J.M. Summers,		✓	✓	✓
A.S. Zolnai,		✓	?	
Susan Barkhill		✓	?	
Alain LeBlair				
Paul Price				

7th ANNUAL WORKSHOP ON TECTONIC STUDIES IN THE
SOUTHEASTERN CANADIAN CORDILLERA

Saturday, January 31, 1981

- 8:00 p.m. Informal gathering, general discussion and registration (\$2.00), Department of Geological Sciences, Bruce Wing of Miller Hall, 5th Floor lounge. Name tags and programs will be issued, student billeting arranged and refreshments available.

Tentative Program

Sunday February 1, 1981
Seminar Room
302 Miller Hall

- 8:30-9:00 Coffee and Doughnuts
- 9:00-9:30 R.A. Price (and J.W.H. Monger) - Accretionary evolution of the Canadian Cordillera.
- 9:30-10:00 E.T. Tozer - Autochthonous and allochthonous Triassic of the Cordillera and the problems of the western limit of the North American plate.
- 10:00-10:30 P. Erdmer - Comparative studies of cataclastic allochthonous terranes of southern Yukon: new evidence for continental suturing.
- 10:30-11:00 POSTERS AND COFFEE
- G.C. Taylor (and H. Gabrielse) - Regional cross-section from Great Plains to Pacific Coast - through Northeastern British Columbia.
- E.W. Mountjoy and R.B. Campbell - Regional Cross Section from east of Jasper to the Interior Plateau
- R.A. Price and P. Fermor - Three cross sections through the Rocky Mountain Fold and Thrust Belt in Southern Alberta and B.C.
- 11:00-11:30 P.L. Gordy - The source and entrapment of hydrocarbons in the Foothills Belt of Alberta. (An attempt to relate maturation of known source rocks and the development of thrust faulted traps).
- 11:30-12:00 I. Moffat - Transverse faulting in the Front Ranges near Banff.
- 12:00-1:30 LUNCH
- 1:30-2:00 P. Fermor - "Where goeth the Bourgeau thrust?"
- 2:00-2:30 J. Summers - Stress gradients within angular asymmetric folds.
- 2:30-3:00 M. McMechan - Structure and low-grade metamorphism in the Mount Fisher area, and their implications for the East Kootenay orogeny.
- 3:00-3:30 J. Sears - Comparison of tectonic setting and evolution between the Kootenay Arc and the Talledega Belt of the Southern Appalachians.

- 3:30-4:00 POSTERS AND COFFEE
J.E. Reesor - Part of Nelson Map Area - east half.
D.A. Archibald - Geochronology, metamorphism and plutonism in the Purcell Trench area.
C. Evenchick - Comparison of structural style and metamorphism in Cassiar and northern Rocky Mountains along the northern Rocky Mountain Trench - a thesis proposal.
- 4:00-4:30 J. Pell - Stratigraphy of Horsethief Creek Group, structure and metamorphism in southern Cariboo Mountains, British Columbia.
- 4:30-5:00 C. Rees - The western margin of the Omineca Belt at Quesnel Lake, east-central British Columbia.
- 5:00-5:30 P. Schiarizza - Structural and stratigraphic relations between the Fennell and Eagle Bay formations on the west flank of the Omineca Belt, south-central British Columbia.
- 5:30-7:30 DINNER
- 7:30 -- BEER & BULL SESSION
Seminar Room, Miller Hall

MONDAY, February 2, 1981

- 9:00-9:30 P. Simony - Cover-basement relations in southern Canoe River area - some implications.
- 9:30-10:00 C. Oke - Basement gneisses of the Western Rocky Mountains, Hugh Allan Creek, British Columbia.
- 10:00-10:30 E.D. Ghent - Geobarometry and geothermometry of plagioclase-biotite-garnet-muscovite assemblages with applications to the S.E. Canadian Cordillera.
- 10:30-11:00 POSTERS AND COFFEE
C.R. Tippett - A preliminary study of porphyroblast fabric relationships from Main Ranges to Shuswap terrane and implications for the possible role of diapirism in deformation.
J. Sears - An Archean greenstone belt in the Laramie Mountains of Wyoming.
- 11:00-11:30 R. Raeside - Structure and metamorphism of Horsethief Creek Group in Monashee Mountains - near Mica Creek.
- 11:30-12:00 R. Leatherbarrow - Metamorphism in the northern Selkirk Mountains.
- 12:00-1:30 LUNCH
- 1:30-2:00 P. Read - Gneiss 'domes' in the Shuswap and monashee Metamorphic Complexes, southern British Columbia.
- 2:00-2:30 R.L. Brown - Nappes and detachment faults in the southern Omineca Belt.

- 2:30-3:00 J.M. Journeay - Structural and stratigraphic setting in the central portion of Frenchman Cap Dome, northern Monashee Range, southeastern British Columbia.
- 3:00-3:30 COFFEE
- 3:30-4:00 D. Murphy - Kinematic Analysis of Mylonites: Columbia River fault zone, British Columbia.
- 4:00-4:30 L.S. Lane - A preliminary kinematic analysis of the Columbia River fault zone at Revelstoke, British Columbia.
- 4:30-5:00 A.V. Okulitch - Shuswap Complex overview.
- 5:00-5:30 R.A. Price - Summary and Closing Discussions.
- 5:30-8:00 DINNER
- 8:00 University Lecture, Room 105 Miller Hall
Warren Hamilton, U.S. Geological Survey - Cordilleran core Complexes.