

OTTAWA - CARLETON

CORDILLERAN WORKSHOP
February 10 - 12, 1984

CENTRE FOR
GEOSCIENCE STUDIES

PROGRAM

Friday, February 10, 1984

7.00 p.m. Registration and social gathering, Carleton University,
Tory Building Foyer

Saturday, February 11, 1984

9.00 a.m. Regional pattern of thermal maturation as determined
from coal rank studies, Rocky Mountain Foothills and
Front Ranges north of Grande Cache, Alberta.
Margot McMechan and Wolfgang Karlkreuth
Geological Survey of Canada, Calgary

9.25 A brief geological overview of the area around Chief
Mountain, Montana
P. R. Farmor
Shell Canada Resources Limited, Calgary

9.50 Evidence for a rifted continental margin: Sedimentary
and volcanic relationships in the Ogilvie Mountains,
Yukon.
Charlie Roots
Carleton University, Ottawa

10.15 COFFEE

10.30 The Toby Formation in the northern portion of the
Purcell Anticlinorium: syn-rift sediments associated
with an Upper Proterozoic extensional event.
Kevin Root
University of Calgary

10:55 Miette Group Stratigraphy southwest of Jasper, Alberta.
Eric Mountjoy and Martin Teitz
McGill University, Montreal

11:20 Structure, Stratigraphy, and Paleoenvironmental
interpretation of the Late Proterozoic Miette Group,
Cushing Creek area, Rocky Mountains, British Columbia.
Anne Carey
University of Calgary

11:45 - 1:30 p.m. LUNCH AND POSTERS

- 1:30 p.m. Structure of the eastern part of the Chatter Creek Thrust Sheet, Selwyn Mountains, B.C.
Eric Mountjoy and Richard Forest
McGill University, Montreal
- 1:55 Geology of the Blackwater Range, British Columbia.
Filippo Ferri
University of Calgary
- 2:20 Polyphase deformation in the footwall of the Purcell Thrust and the Dogtooth Duplex.
Philip Simony
University of Calgary
- 2:45 Structure and metamorphism in Hadrynian supracrustal rocks covering the Mount Blackman Gneiss, B.C.
Richard Leonard
McGill University, Montreal
- 3:10 Basement Gneisses and Hadrynian metasediments at Bulldog Creek, Rocky Mountains, B.C.
Michael McDonough
University of Calgary
- 3:35 Structural geology and metamorphism in the Shuswap Metamorphic Complex near Blue River, B.C.
Roland G. Dechesne
University of Calgary
- 4:00 POSTERS

Sunday, February 12, 1984

- 9:00 a.m. Mid to Late Jurassic terrane collisions in north-central British Columbia.
H. Gabrielse
Geological Survey of Canada, Vancouver
- 9:25 Structural Style of the Sylvester Allochthon, Northeastern Cry Lake Map area, British Columbia.
Tekla A. Harms
University of Arizona
- 9:50 Do the four terranes of the Cariboo Collage and their thrust fault boundaries have southeastern counterparts and are the faults of large displacement?
Bert Struik
Geological Survey of Canada, Vancouver
- 10:15 COFFEE

- 10:30 Obduction, backfolding and piggy-back thrusting in the
Metamorphic hinterland of the southeastern Canadian
Cordillera.
Richard L. Brown, J. Murray Journeay, Larry S. Lane,
Donald C. Murphy, Chris J. Rees
Ottawa-Carleton Centre for Geoscience Studies
- 10:55 Tectonic implications of regional metamorphism in the
Northern Monashee complex, B.C.
J. Murray Journeay
University of Ottawa/Queen's University
- 11:20 T_{102} activity in metamorphosed pelitic and basic rocks:
principles and applications to the southeastern
Canadian Cordillera.
Edward Ghent
University of Calgary
- 11:45 - 1:30 LUNCH AND POSTERS
- 1:30 Structural and Stratigraphic relations of Lardeau,
Milford, Kaslo, and Slocan Groups, Goat Range,
Southeastern B.C.
Dave Klepacki
Massachusetts Institute of Technology
- 1:55 On the metamorphic history of the Western Omineca Belt.
Chris Rees
Carleton University, Ottawa
- 2:20 Structure and Metamorphism along a section of
Campbell's "Enigmatic Line" in the Cariboo Mountains,
B.C.
Jill Kaplan
University of British Columbia
- 2:45 Timing of metamorphism versus deformation in the
Northern Selkirk Mountains and its implications for
regional structural interpretation.
Mike Perkins
Home Oil Company, Limited, Calgary
- 3:10 Structural and preliminary timing characteristics of
the Slocan Lake Fault Zone, SE, B.C.
Randy Parrish
Geological Survey of Canada, Ottawa
- 3:35 Geology of the Hozameen Group at Lat. 49°N, SW British
Columbia
Ralph Haugerud
University of Washington
- 4:00 POSTERS

POSTERS

Saturday

Geology of Main Ranges West of the Simpson Pass Thrust to the Rocky Mountain Trench.

Eric Mountjoy, Richard Forest, Richard Leonard and Martin Teitz
McGill University, Montreal

Possible Wrench faulting in the Aklavik Range, eastern slope of northern Richardson Mountains, N.W.T.

Marc Bardoux
Queen's University, Kingston

Stratigraphic, structural and metamorphic relationships in the hanging wall of the Sifton fault, Sifton Ranges, northern B.C.

Carol Evenchick
Queen's University, Kingston

Stratigraphy and structure of the Hadrynian Kaza Group between the Azure River and the North Thompson River, Cariboo Mountains.

Jennifer Pell
Calgary University

Geologic interpretation of a deep crustal seismic reflection profile in the Purcell Anticlinorium.

F.A. Cook and K.G. Root
Calgary University

Eastern margin of the CPC, Whitesail Lake map area: geochron update and regional implications.

Peter Van der Heyden
University of British Columbia, Vancouver

Part I: Rb-Sr and U-Pb dates for metasedimentary rocks of Snowshoe Formation, early Paleozoic quartz porphyry, and Mesozoic pegmatite, Quesnel Highland, B.C.

Part II: Geothermometry and geobarometry of Metamorphic rocks of Snowshoe Formation, Quesnel Highland, B.C.

Jenny S. Getsinger
University of British Columbia, Vancouver

Southwesterly-verging synmetamorphic regional-scale folds - Central Cariboo Mountains, B.C. - Structural Significance and Tectonic Implications.

Don Murphy
Carleton University, Ottawa

POSTERS

Sunday

The isotopic thermal history of the southern Kootenay Arc and Purcell Anticlinorium, Mid-Cretaceous to Eocene.

Doug Archibald

Queen's University, Kingston

Deformation and metamorphism of miogeoclinal strata in the central Kootenay Arc.

Alain D. Leclair

Queen's University, Kingston

Pre-Tertiary history of the Tenas Mary Creek area, Ikanogan Dome, NE Washington and S British Columbia.

Kristin E. Orr

University of Washington

Mylonitic fabrics of the Slocan Lake Shear zone, Southeastern, B.C.

Sharon D. Carr

Carleton University, Ottawa

The Champion Lake fault in the Trait-Castlegar area of southern British Columbia.

Cynthia R. Corbett

University of Calgary

Structural geometries across the Intermontane-Omineca tectonic boundary, Crooked Lake area, Cariboo Mountains.

Darrell Elsby, Jeff Filipone and John Montgomery

University of British Columbia, Vancouver

Deformation history of the Columbia River Fault Zone, B.C.

Larry S. Lane

Carleton University, Ottawa

Cordilleran Workshop
February 10, 11, 12

Attendance List

Billiton Canada Ltd. 460 The Station 601 W. Cordova St. Vancouver, B.C. V6B 1G1	Jeff Franzen
Chevron Canada Resources Ltd. 500 - 5th Ave. S. W. Calgary, Alberta T2P 0L7	Ken Veres
Chevron Canada Resources Ltd. Minerals Staff 1900 - 1055 West Hastings St. Vancouver, B.C. V6E 2B9	Dr. David Shaw
Home Oil Co. Ltd. 324 - 8th Ave. S.W. Calgary, Alta.	Dr. Mike Perkins Anthony Scaky
Shell Canada Resources Limited P.O. Box 100 Calgary, Alberta T2P 2H5	Peter Fernor Felix R. Frey
Geological Survey of Canada 100 West Pender Street Vancouver, B.C. V6B 1R8	Dr. Richard Campbell Dr. G. Eisbacher Dr. Hugh Gabrielse Dr. Bert Struik
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Ralph Haugerud
Kristin E. Orr
Margi Rasmore

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Dr. Raymond Yole
Sharon Carr
J. Murray Journeay
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