



Main Thrust, Fall 1999

The fall CTG Meeting and Field Trip is currently being planned for Late October in the Thetford Mines area of Quebec, organized by Alain Tremblay and Normand Goulet. Details to follow soon on the CTG web page.

Best MSc and PhD theses for 98-99: submission deadline is the end of August. So far we have only one PhD thesis submitted. Best paper prizes: We currently scan 7 major journals, and are looking for one or two volunteers to help expand the number of journals and ease the load. Members are encouraged to identify papers they think are worthy of consideration, and also to submit their own work for consideration. (Papers in refereed journals only please). The CTG would like to compile a list of Canadian papers - this would be a useful list and would serve as the list of papers considered for the prize (not every paper published). The CTG needs at least 2 new councillors, preferably 3, to promote the CTG locally and to consult with for best paper prize (each assigned a journal); John Waldron has volunteered to do geology.

Three CTG Sponsorships for GeoCanada are as follows:

1. Structural Controls on Resources: From Gold to Gas. Convenors: Shoufa Lin (Waterloo), Sandy Cruden (Univ. of Toronto), Dennis Johnston (Petro-Canada Oil and Gas) Structural geology is important for resource studies because structures can control the location, geometry and productivity of both petroleum and metallic resources. This session will provide a forum for geologists from industry, academia and the government surveys to discuss the role of structural geology in resource study and exploration. Emphasis will be put on structural controls on resources, including structural controls on emplacement as well as structural modification of the geometry and location of hydrocarbons and metallic deposits. Both oral and poster presentations will be considered.

2. Calibrating Earth Processes. Convenors: Kirk Osadetz (GSC), Lisel Currie (GSC), Paul Renne (Berkeley Geochronology Center) and Sam Bowring (MIT). The development of a wide range of high precision geochronological tools gives geoscientists the ability to resolve not only the relative order of earth processes, but also the rates at which they occur. This symposium will provide a forum for the presentation of novel geochronological research relating to the relative and absolute calibration of processes in various geological environments and at all temperature regimes, as well as the application of complementary isotope systems and methods for understanding and enhancing temporal resolution. Researchers are encouraged to submit results of studies on thermochronology, intercalibration of isotope systems, high precision geochronology and integration of multiple geochronological methods.

3. Fluids and Deformation: Processes and Products. Convenors: Glen Stockmal (GSC), Lori Kennedy (Univ. of B.C.), William Jamison (Upper Crust Inc.). The presence of fluids in rocks has long been recognized to significantly affect the nature of deformation. This in turn can have economic significance, for example transforming a tight carbonate into a potential hydrocarbon reservoir, or forming conduits for mineralization. This session will focus on the relationships between fluids and deformation at all crustal levels, with emphasis on mechanisms and consequences. We welcome new and novel contributions describing the mechanics of faults and shear zones in the presence of fluids, the nature of faults and shear zones as seals or conduits, the influence of fluids on the bulk mechanical properties of rocks, and insights from geochemical studies, among others. Also the CTG approved sponsorship of John Waldron and Glenn Stockmal's Port-o-Port fieldtrip for St. John's 2001. Apparently sponsorship for a Rodinia session has also been proposed. Send suggestions to Larry Lane and the organizational committee; proposals will be entertained at the Fall CTG meeting.

A special issue of Tectonophysics on magnetic susceptibility fabrics has been sponsored by this division (SGTD) of the GAC. The CTG is pleased to make the following announcement about the "Price Symposium" at Geocanada 2000: IN HONOUR OF THE CAREER OF DR. RAY PRICE, A SYMPOSIUM FOCUSING ON THE TECTONIC EVOLUTION OF THE

CORDILLERA, AND A SEVEN-DAY FIELD TRIP THROUGH THE CANADIAN ROCKIES IN
ASSOCIATION WITH: GEOCANADA 2000, CALGARY, ALBERTA, CANADA 29 MAY - 2
JUNE, 2000 JOINT MEETING OF THE Canadian Society of Petroleum Geologists, Canadian
Society of Exploration Geophysicists, Geological Association of Canada, Mineralogical
Association of Canada, Canadian Well Logging Society HONORARY CHAIRMEN: Hugh
Balkwill (BALKWIL@petro-canada.ca) Don Wise (D_WISE@ACAD.FandM.EDU)
SYMPOSIUM CONTACTS: Paul MacKay (PaulM@northsnrg.com) Larry Lane
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(pprice@cdn88energy.com) Marian Warren (Marian_Warren@pancanadian.ca) Cheers,
Dennis Johnston August 1999