



Geological Association of Canada
Association géologique du Canada

MAIN THRUST

Newsletter of the Structural Geology and Tectonics Division of GAC

20th Canadian Tectonics Group Workshop October 20-22, 2000 Parrsboro, NS. Please indicate ASAP to Joe White (clancy@unb.ca) if you plan to attend as accommodation may be tight - Abstract Deadline is October 1st, but it is imperative that people indicate their intent to come before that.

ANNUAL MEETING AGENDA STRUCTURAL GEOLOGY AND TECTONICS DIVISION (SGTD) OF THE GEOLOGICAL ASSOCIATION OF CANADA, 29 MAY, 2000; Calgary, AB. Attendees: Larry Lane (Chairman), Andrew Okulitch (Treasurer), Dennis Johnston (Secretary), Joe White, Kathryn Bethune, Richard Wardle, Phil Simony, Bruno LaFrance, Bert Struik, Paul McNeil, Jurgen Kraus, Normand Goulet, Tony Davidson, Stephen Johnston.10 members).

Best Theses awards (Jack Henderson awards):

Best Ph.D. thesis: James J.M. Ryan, University of New Brunswick, supervised by Paul Williams.

Best M.Sc. thesis: David Copeland, University of New Brunswick, supervised by Joseph Clancy White.

Please submit theses for this year's awards to the SGTD executive before September 9, 2000. The cash prize for each award has been increased to \$200.

Annual Financial Report (A. Okulitch): Balance 23 Nov 1998 \$4398.70 Membership Dues, 01 July - 30 Nov 1998 \$ 25.00 Repayment of loan: seed money for CTG Williams NUNA conference \$1500.00 Membership Dues, 01 May - 31 Oct 1999 \$ 780.00 Interest \$ 3.43 Bank charges \$ 0.75 Membership Dues, 31 Oct - 30 Nov 1999 \$ 40.00 C. van Staal: Past President's lecture tour, Calgary Expenses \$ 276.24 Balance 31 Dec 1999 \$ 6469.79 Accounts Payable (re. Annual Prizes) \$ 300.00 Net Balance \$6169.79 New Web Page Jurgen Kraus has volunteered to be the new webmaster, and Jim Ryan has volunteered to help out. Both of these guys are field geologists so look for things to happen after the field season. There will be links to the GAC web page. The chairman is in discussions with the GAC as to the possibility of the Gac providing server space to host this website. Normand

Goulet stated this would be a good place to post jobs and graduate student projects. Please contact Jurgen (Jurgen.Kraus@sem.gov.sk.ca) or Jim (jryan@nrcan.gc.ca) with content ideas or contributions.

Sponsorships: So far we have approved sponsorships for John Waldron and Glenn Stockmal field trip to Port-o-Port peninsula, for St. John's 2001 GAC/MAC meeting. CTG had received a request from David Corrigan for sponsorship of a special session entitled: "Tectonic Integration of Paleo-Proterozoic Circum-Superior orogens" convened by David Corrigan, Toby Rivers, Dick Wardle and Marc St. Onge. This is also scheduled for the St. John's 2001 meeting.

A motion by Joe White, seconded by Phil Simony, whereby SGTD endorses but does not fund the session, was carried with no opposition. A Trans-Hudson John Lowry Special Session was proposed by Kathryn Bethune for Saskatoon 2002; she will consult with the Sask. 2000 committee and get back to the SGTD regarding sponsorship. Please contact the SGTD executive if there are any other proposals for SGTD endorsement for St. John's 2001 or Saskatoon 2002 field trips or sessions? Student Abstract prizes We still need someone (before January) to take charge of GAC/MAC meeting student abstract prizes. Please contact the SGTD executive if you would like to volunteer.

Best Paper Award Relevant papers from the JSG, CJES, CSPG Bulletin of Canadian Petroleum Geology, GSA Bulletin, Tectonics, Tectonophysics, Geology and JGR are reviewed by the councillors. Refereed papers from other publications that you feel should be considered should be submitted to the SGTD executive before September 20, 2000. Three new councillors were elected to three year terms at the CTG: Shoufa Lin, John Waldron and Shaocheng Ji. The executive could not find any documentation on the terms of the existing councillors; some have been volunteering their efforts for a long time. All existing councillors will be contacted to confirm when their current three-year terms end, and to establish whether they would like to stand for re-election. Once the new web site is up, we can keep these records up to date and available to the members online. Our objective is to keep councillors current by keeping to a three year term.

New Business

The GAC has a new web address (www.gac.ca) with e-commerce capability. They have a great selection of books available; they only take Visa at the present time. Other Business Normand Goulet and Alain Tremblay were congratulated for their excellent job hosting the 1999 CTG Fall Field trip in Thetford Mines, Quebec. General The fall meeting of the SGTD will be held at the 2000 CTG Fall Field Trip in Parrsboro, N.S.. Contact Larry Lane or Dennis Johnston before mid-October if you would like to

add any items to the agenda. Appended below is an invitation to contribute to a Structural Atlas; please read through this and respond directly to the editors/compiler. I hope you all had a great summer. On behalf of the SGTD executive, Best Regards,

Structural Atlas Project

Edited/Compiled by Alexander Cruden, Shoufa Lin and Benoît Dubé Sponsored by Geological Association of Canada (GAC) Mineral Deposits Division (MDD) & Structural Geology and Tectonic Division (SGTD) Preliminary Call for Contributions Objective: to produce a well illustrated guide to the identification and interpretation of common geological structures as encountered in the field by professional mineral deposits geologists, senior undergraduates and graduate students. The atlas is intended to be a companion volume to the MDD's highly successful Alteration Atlas. Organisation: the atlas will comprise a collection of high quality photographs (preferably in colour) accompanied by brief text descriptions and explanatory line drawings where necessary. Larger scale structural features (preferably with a relationship to an ore deposit) will be illustrated using simplified maps and cross sections. Material will be organised along fairly traditional grounds, including sections on: * Joints, Fractures, Faults and Fault Rocks (including breccias) * Folds and Polyphase Deformation * Cleavage, Foliation and Lineation * Shear Zones and Kinematic Indicators * Primary Structures (sedimentary and igneous) * Relationships Between Deformation and Mineralisation Each major section will be introduced by a brief "theory" chapter outlining the major concepts, terminology, tectonic significance and sources of further information for each group of structures. These sections will also highlight the relevance of structural geology to ore deposit studies. Contributors: contributions are welcome from the entire structural community. Call for contributions: individuals wishing to contribute material to the atlas should contact Sandy Cruden by e-mail before Jan. 1, 2001. We are looking for first rate examples of all types of geological structure, with an emphasis on field relationships at outcrop to local (i.e., prospect and camp) scales. These examples need not be associated with an ore deposit, although good illustrations of relationships between mineralisation and deformation are also required. Please send your proposed photographs, maps and cross sections as digital thumbnails in GIF, TIF, JPEG or BMP format. If this is not possible, then send colour photocopies by regular mail. Each figure submitted should be accompanied by a brief (<100 word) description outlining what it illustrates, its location, geological setting and scale. Explanatory sketches would also be useful if relationships on the photograph are complicated. As a guide, figures will most likely be laid out in plates of four per page, with accompanying text on the facing page, following roughly the same

format as the MDD Alteration Atlas. There is no restriction to the number of photographs, maps and cross sections that you submit. Selection of contributions: the editors will select the most suitable contributions from the first round and then compile a list of features for which further submissions are required. This list will accompany a second call for contributions in early 2001. Acknowledgement of contributions: all material used in the atlas will be acknowledged in the accompanying text, and a list of contributors and their affiliations will be included at the beginning of the book. Contributions should be able to be listed as book chapters/pages in your cv. Schedule: Sept. 1 2000 - Jan 1 2001: Submission of digital thumbnails and descriptions. Jan 1 2001 - March 1 2001: Review and selection of submissions, preliminary layout of atlas. Identification of material still required. March 1 2001: Contributors will be contacted and informed of their submissions that will be included in the atlas. Detailed information on the format of the final submissions will be provided at this stage. March 1 2001 - June 1 2001: Second call for contributions, this time with a list of specific examples that are still required. June 1 2001 - Sept 1 2001: Submission of all material to be completed. Editors and others to prepare theory chapters, bibliography, etc. Sept 1 2001 - Feb 1 2002: Layout, production and editing of camera ready copy. Feb. 1 2002: Submission of atlas to printers. May 20 2002: Publication launch at GAC-MAC 2002. Submit all material and requests for further information to Sandy Cruden (address below). Feedback on any aspect of the atlas (i.e., suggestions for organisation, content, etc.) will be appreciated, as would offers to contribute material to theory chapters. Sandy Cruden Dept. of Geology University of Toronto 22 Russell St Toronto, Ontario M5S 3B1 Canada Tel. (416) 946-7284 Fax. (416) 978-3938 e-mail cruden@geology.utoronto.ca