

Canadian Federation
of Earth Sciences

The unified voice of Earth Science in Canada

Fédération canadienne
des sciences de la Terre

La voix unifiée des sciences de la terre au Canada

Newsletter no. 10

October 2011

CanGeoRef Launched!

CanGeoRef launched on September 15, about six weeks ahead of schedule with more than 200,000 Canadian Geo-science references.

CanGeoRef is a subset of GeoRef! If you or your organization subscribe to GeoRef (3.2 million references), then you automatically have access to CanGeoRef.

Most Canadian universities with departments in Earth Science, Ocean Science, Physical Geography and Soil Science subscribe to GeoRef, as do most major corporations and the Federal Government. But GeoRef is too expensive for small and mid-size companies, community colleges and many provincial libraries. And it is exactly this market sector that needs predominantly access to Canadian geosciences literature. These are the sectors for which CanGeoRef is designed.

Prices for CanGeoRef are very competitive. An individual consultant can subscribe for \$65.00/year and you get 15% off your first year subscription if you subscribe before December 1, 2011.

Take out a 30-day free trial subscription!

www.cangeoref.org

Above is the **Advanced Search** screen in CanGeoRef. A search for 'Yukon-Tanana' yielded 261 references, including publications (maps, reports) by Provincial, Territorial and Federal agencies, international peer-reviewed journal articles, (chapters in) books, articles in professional magazines and conference abstracts. Abstracts are included where available. Most references include a link to the original publication, which can be retrieved in its entirety in the case of public documents.

261 matches to query: **YUKON TANANA**

[New Search](#) | [View Selections](#) | [Brief Record](#) | [Full Record](#)

First | Previous 20 | Next 20 | Last

Select 1 of 261 | [Full Record](#)

URL [Text Online](#)
Title Characterization of the crust of the Coast Mountains batholith, British Columbia, from P to S converted seismic waves and petrologic modeling
Author Carlson, J.A.; Zandt, G.; Grand, J.; Duerke, K.; Gehrels, G.E.; Ducea, M.N.
Source Earth and Planetary Science Letters, 309(1-2), p.149-155. Publisher: Elsevier, Amsterdam, Netherlands. ISSN: 0012-821X
Pub Date Jan. 15, 2010
Record ID 10047602

To the left is the first record of this search, shown as a 'brief record' (see dropdown). The URL takes you to the site of the Journal. In case of Public documents, it takes you directly to the document itself

Special points of interest:

The CFES Fall Council meeting is coming up in Ottawa, Nov 19-20. For the agenda of this and minutes of previous meetings, see <http://geoscience.ca/index.php?page=cfes-minutes>.

4th International Professional Geology Conference, Vancouver, Jan 22-24, www.4ipgc.ca (page 2)

CSEG and CSPG Continuing Education Weeks in October and November, see p. 3



WHERE Challenge 2011-2012

The WHERE Challenge is off again. This contest challenges students from age 9 to 14 to think about *what* is in their 'stuff' and *where* it comes from.

The WHERE Challenge is one of the Legacy projects of Canada's participation in the International Year of Planet Earth, which ran from 2007-2009. Canada participated under the theme 'W.H.E.R.E.', an acronym for 'Water, Hazards, Energy, Resources, Environment'.

The WHERE Challenge has been sponsored by Mining Matters (www.miningmatters.ca) since 2011. The 2012 WHERE Challenge runs until March 1, 2012.

During this period, students (individual or in teams) can submit their entry. The idea is to pick a favourite object in their immediate environment, identify one or more non-renewable Earth Resources in that object and figure out where those resources came from.

The entry can be told as an essay, a song, a painting, a poster, some other multi-media presentation, or

even a YouTube video, a medium that is extremely popular with the competitors.

The 2011 winner was Alana Krug-McLeod from Saskatoon with a video entitled 'Has anyone seen my bicycle?'. It can be viewed on www.earthsciencescanada.com/where or directly from YouTube: <http://youtu.be/o2NHXhEaHWM>



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New ICSU President-elect is Canadian Climate Scientist Gordon McBean



Dr. Gordon McBean

Internationally renowned Canadian meteorologist and climate change expert Dr. Gordon McBean of the University of Western Ontario has been elected as the future president of the International Council for Science ICSU (www.icsu.org). Dr. McBean will succeed newly elected ICSU president Yuan Tse Lee (a Nobel prize winning chemist) in 2014 and will be the first Canadian to hold this office.

The ICSU encompasses 30 Scientific Unions, of which the International Union of Geosciences (www.iugs.org) is one. Canada is a member of ICSU and of IUGS. Its membership is administered through the National Research Council.

Dr. McBean, a physicist by training and a former ADM of Environment Canada, is well known for his explicit position on the risk of climate change for society. In 2006, together with Drs. Andrew Weaver and Ken Denman, Dr. McBean issued an open letter to Prime Minister Harper on the topic.

In Canada, Dr. McBean is chair of the Canadian Foundation for Climate and Atmospheric Sciences (www.cfcas.org). He is a recipient of the Order of Canada and a fellow of the Royal Society of Canada.

Our heart-felt congratulations to Dr. McBean

*"I shall work towards ICSU
being an ever more
effective and responsive
organization for all its
members, so that there
are positive benefits for
both science and scientists
around the world."*

Gordon McBean, ICSU

President-elect

4th International Professional Geology Conference / 4IPGC

Vancouver, January 22-24, 2012

www.4ipgc.ca

4IPGC is hosted by Geoscientists Canada (formerly the Canadian Council of Professional Geologists, www.ccpge.ca) and will take place in conjunction with Roundup Vancouver. This is only the 4th International Conference of this kind, so a real catch for Canada. Among other topics, the conference focuses on geosciences practice, securities reporting, geohazards and serving society.

Register now!



Mentorship medal for Douw Steyn



The 2011 CFES Mentorship Medal was presented to climate scientist Dr. Douw Steyn of UBC's Department of Earth and Ocean Sciences on August 19. Douw (right) received the medal from Paul Smith (left), a former chair of the department as well as of the Council of Chairs of Canadian Earth Science Departments (CCESD), a member organization of CFES.

The occasion was the opening reception of the 2011 Canadian Paleontology Conference in Vancouver, an unlikely event for a climate scientist, but this is explained by the fact that the recipient was on sabbatical earlier in the year. The CMOS Convention, which Douw also missed, did pay ample attention to his medal during their awards dinner in June.

Call for Nominations!

**NOMINATIONS FOR THE MENTORSHIP
MEDAL 2012 ARE INVITED!**

www.geoscience.ca/awards



Canadian Stratigraphy Commission

The Canadian Stratigraphy Commission (CSC) held a meeting on May 26, 2011 during the GAC/MAC meeting in Ottawa. Martin Head (Chair), Andreas Prokoph, Rob Rainbird, John Clague, Mike Villeneuve, and Godfrey Nowlan (recording secretary), were present.

Martin Head gave a presentation on the founding of the Commission, its contexts and aims as a starting point for discussion. Choices of the geological time scale were discussed, especially with respect to its rapidly evolving nature, as were plans for the CSC's time scale poster which will also need to be regularly updatable (at least for the website version).

The Commission is to establish and maintain appropriate communication with the International Commission on Stratigraphy (ICS, where we have 7 members) and the North American Commission on Stratigraphic Nomenclature (NACSN, where we have two members). To these aims, Rob Rainbird and Brian Pratt are attending the NACSN meeting at GSA in Minneapolis (October 9-12) and Rob Rainbird will brief the NACSN on our establishment and aims.

Brian Pratt will represent our Commission at AGI's Member Society Council Meeting during GSA in Minneapolis (October 10, 2011). Stan Finney, chair of the Interna-

tional Stratigraphy Commission, has been informed of the establishment and aims of the Canadian Commission, so that we are now firmly on the map.

The Commission still needs to fill the positions of Webmaster, Mining Industry rep. and Petroleum Industry rep., and I hope to report progress on this front in my next report to the Board.

Martin Head, chair
mhead@brocku.ca



IGC2020 Bid



Work continues on the preparation of the CFES Bid to host the International Geological Congress 2020 in Vancouver. As you are reading this, CFES is presenting a summary of the bid to the IUGS Board for approval of submission of a formal bid. Once approved, CFES can

submit the formal bid to the IUGS meeting at the International Geological Congress in August 2012 in Brisbane, Australia.

The CFES IGC2020 Bid committee is chaired by CFES Past President Bill Mercer and will soon have its own website at www.igc2020.ca. For the time being, information about the bid is at www.geoscience.ca/igc2020

Endorsements have been received from more than a dozen Canadian and American entities, for example the Canadian Minister of Natural Resources, the US Geological Survey, AGI and GSA and of course CFES member organizations, who unanimously supported this initiative in June 2010.

The Bid committee consists of about 20 people, representing various member organizations, the National Research Council (the conference organizer) and

Vancouver Tourism. Several committee members have followed a short course on Conference bidding by Vancouver Tourism

Subcommittees work on a range of topics, such as sponsoring, conference themes, field trips, Vancouver logistics, bid video, bid document, geological text for the document and North America liaison.

The Bid committee has been successful in securing sponsorship for this initiative, but continues to work on increasing sponsorship.



If you want an exciting 2012 summer, try to plan it around IGC34 in Brisbane: August 5-10. www.igc34.org

AGI Webinar on future workforce issues in the mining industry in Canada

The American Geosciences Institute / AGI hosted a webinar in their GeoConnection Series on September 29. The Title was "Canadian Exploration- High Demands for the Future Workforce".

Martha Roberts (MiHR) kicked off the webinar with a presentation that summarized the labour market findings from their study "Unearthing Possibilities". Scott Jobin-Bevans, PDAC President, spoke about the big changes ahead in the minerals exploration sector. The student panel shared why they chose to pursue this education, what they find exciting about it, and

where they hope their careers will take them. Melanie Sturk (MiHR) wrapped up the discussion by talking about the "Explore for More" resource.

The Q&A session after the presentations was so lively that the webinar ran a half hour over time! Questions ranged from high school requirements to specific questions to the presentors.

The webinar was attended by about 40 registrants, one of which was actually of a class of 18 students. Half of the attendees were under 35, 40% were female. Just over half were from (all

over) Canada, 1/3 from the U.S., and others from the UK, Australia, and Malaysia.

This webinar has been co-organized by (MiHR) and AGI. Webinar co-sponsors were the Australian Institute of Geoscientists, Prospectors and Developers Association of Canada (PDAC) and the Society of Economic Geologists (SEG).

If you missed it, you'll be able to follow it here: www.agiweb.org/workforce/webinars.html

Leila Gonzales, AGI

"This was a fabulous opportunity for us and our partners at PDAC to reach an international audience about workforce and labour market challenges in Canadian mineral exploration. The perspectives from the youth and student panel were particularly insightful."
Martha Roberts, MiHR

CFES New International Committee

CFES's New International Director Andr  e Blais-Stevens has pulled together an impressive new International Committee for the Federation.

The Committee is now putting together a work plan.

Chair:

Andr  e Blais-Stevens, Geological Survey of Canada

Members:

Wouter Bleeker, Geological Survey of Canada

Brian Bornhold, Coastal and Ocean Resources, Victoria

Chris Burn, Carleton University

John Cassidy, Geological Survey of Canada

Norm Catto, Memorial University of Newfoundland

Marten Geertsema, BC Ministry of Forests

Matthias Jakob, BGC Consulting

Brian Moorman, University of Calgary

Sharon Smith, Geological Survey of Canada

Doug Stead, Simon Fraser University

Anne de Vernal, Universit   de Qu  bec    Montreal (chair of the Canadian Consortium for Ocean Drilling)

CSEG and CSPG Education

Oct. / Nov. 2011

Here are some great opportunities to upgrade your knowledge, skills and understanding.

The CSEG proudly presents its 10th Annual Doodle Train Continuing Education week. See www.cseg.ca/education/doodletrain.cfm

During the CSPG Education week, no fewer than 12 one- to two-day courses are taught on a range of subjects, varying from Log analysis for unconventional reservoirs to principles of sequence stratigraphy. For more information, go to www.cspg.org/education/education-week.cfm



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This Newsletter is written and compiled by Elisabeth Kisters, CFES/FCST Executive Manager, unless otherwise indicated.

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Web Words—the four internet addresses associated with CFES

www.geoscience.ca is the website of CFES. Our most important projects have their own sites, which are linked to pages on the CFES main site.

You can follow us on Twitter  and/or you can subscribe to our RSS Feed 

www.cangeoref.org is also accessible from www.geoscience.ca/cangeoref. The website for CanGeoRef is under management of our venture partner AGI (www.agiweb.org), because AGI handles subscriptions and technical support.

www.earthsciencescanada.com is also accessible from www.geoscience.ca/outreach. The Canadian National Committee for the International Year of Planet Earth (CNC-IYPE) initiated several public outreach projects. These projects (including the WHERE Challenge, see p. 1 of this Newsletter) continue to be active and the website that was created for CNC-IYPE thus remains active as well.

www.igc2020.ca is also accessible from www.geoscience.ca/igc2020. The website for the International Geological Congress Bid will be independently maintained by the committee

And furthermore: The CFES position paper on **creationism and intelligent design** has been incorporated in the list of similar such statements of the US National Committee for Science Education at <http://ncse.com/media/voices/canadian-federation-earth-sciences-2008>. Needless to say, we are proud of and happy with this recognition.



CALENDAR

Canadian Earth Science events: www.gac.ca/activities/calendar.php

International Earth Science calendars: www.agiweb.org/calendar/index.php
<http://iugs.org/index.php?page=calendar>

CANADIAN CONFERENCES

See also www.geoscience.ca/calendars

2011

Canadian Society of Petroleum Geologists, GUSSOW Conference, Banff Centre, Banff, AB, www.cspg.org/gussow

2012

Mineral Exploration Roundup, Vancouver, BC, January 22-24, www.amebc.ca/roundup/Overview-2012.aspx

4th International Professional Geoscientist Conference, Vancouver, BC, January 22-24, www.4ipgc.ca

International Polar Year Convention, Montreal, QC, April 22-27, www.ipy2012montreal.ca

Atlantic Geoscience Society Annual Colloquium, February 4-6, Moncton, NB, <http://ags.earthsciencescanada.ca/ags.php>

Prospectors and Developers Association of Canada, Annual Convention, March 4-7, Toronto, www.pdac.ca

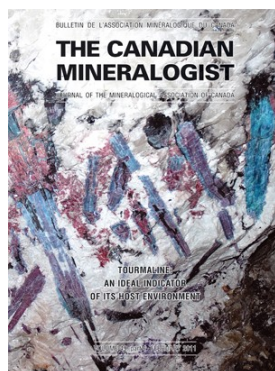
Geological Association of Canada - Mineralogical Association of Canada Joint Annual Convention, May 27-29, St John's, NL, www.gac.ca

Canadian Meteorological and Oceanographic Society, May 29-June 1, Montreal, QC, <http://www.cmos.ca/congress2012/index.htm>

International Symposium on landslides, Banff, AB, www.isl-nasl2012.ca

IAH International Congress, Niagara Falls, ON, Sept 16-23, www.iah2012.org

Member Society Portrait:



The Mineralogical Association of Canada (MAC) was incorporated in 1955 to promote and advance the mineral sciences. MAC strives to promote, facilitate and communicate high quality science, both fundamental and in the application of mineralogy, geochemistry, and petrology to resource development and environmental management. Although MAC is centered in Canada, it is in many ways an international organization as its membership spans with many countries.

MAC's endeavours encompass a wide variety of activities that represent scientists working in mineralogy, geochemistry, petrology and mineral deposits.

Mineralogical Association of Canada

The Canadian Mineralogist continues to publish high-quality scientific articles on a wide range of topics spanning the disciplines that MAC represents. In addition to *The Canadian Mineralogist*, MAC issues a special publication series and is now preparing to mount its 43rd short course and associated volume. MAC also continues to support and contribute to *Elements* (www.elementsmagazine.org), a publication that has made a real impact on its community.

MAC sponsors a variety of meetings, both large and small. In addition to the joint annual convention with the Geological Association of Canada and other organizations, MAC sponsors and supports many other conferences. Recent examples include the *Canadian Astromaterials Working Group symposium* (<http://cms.eas.ualberta.ca>), the student-run *Advances in Earth Sciences Research Conference* (<http://sites.google.com/site/aesrc2010/>), and the 11th *International Platinum Symposium* (<http://11ips.laurentian.ca>)

MAC invests significantly in student awards and sponsorship. Twenty-five student research and travel grants for

a wide range of topics from all over Canada were given out in 2010.

The **MAC Foundation** is a separate charitable organization that was set up to award annual scholarships to deserving graduate students. Two of these, worth each \$5,000 are awarded annually

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www.mineralogicalassociation.ca



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