



Lakehead University Geology Department

Alumni Newsletter #12

December, 2015

Seasons Greetings

The faculty staff and students of the Geology Department would like to take this opportunity to wish all our alumni a very Merry Christmas and all the best for 2016. With our celebrations of Lakehead's 50th anniversary drawing to a close we would like to encourage you to visit the [alumni portion](#) of the department web site where you will find some new photos of our alumni from years gone by, mainly courtesy of Mark Smyk. Mark is currently digitising his slide collection so I am expecting some more additions soon. We have been lucky enough to catch up with a number of you over the year, either here on campus or at Roundup and PDAC and are always happy to provide campus tours if you are in town.



Namafjall geothermal area, Iceland

participants included MSc students Sean O'Brien and Emily Smyk and recent graduates Allen Wywrot and Matt Arges (*Class of '15*). The students were joined by Al MacTavish (*MSc Class of '92*) and Dr. Pete Hollings. The Iceland trip included stops at geothermal areas to explore the relationships with epithermal deposits and visits to recent lava fields and calderas to brush up on their volcanology skills. In Sweden the students visited the Sala



Viti Crater, Askja

and by all accounts everyone thoroughly enjoyed the trip and the spectacular geology. Many of the students finished the trip off with the SGA conference in Nancy, France where Emily and Mike D'Angelo from Lakehead presented the results of their research.



Laki fissure

SEG Student Chapter

This summer Lakehead's Society of Economic Geologists student chapter partnered with the chapter from CODES, University of Tasmania to run a very successful trip to Iceland and Sweden. Lakehead

Silvergruva, Garpenberg and Aitik mines and also spent time in the Kiruna district. The students were joined by a number of industry participants

Alumni in the news

Recent alumna Emily Smyk (*Class of '13*) was featured in the Lakehead University 2015 **annual report**. Her story highlights her love of field work and the opportunities she has had to see geology around the world. Emily recently completed her MSc thesis on "A comparison of the hydrothermal alteration systems around the Mo-hosting White Pine Intrusion, Utah, and the Buckingham Porphyry, Nevada" and is currently exploring new opportunities in Australia.



Emily

Please contact peter.hollings@lakeheadu.ca if you have a story to share

International visitors

We continue to see a number of international visitors in the department. Dr. Mingjian Cao from the Institute of Geology & Geophysics, Chinese Academy of Sciences, Beijing (in the red jacket in the photo on the right) just finished a 10 month stint working with Dr. Hollings on porphyry deposits and has returned home to Beijing. In his place PhD candidate Zhi Ren from the School of Resources and Environmental Engineering, Hefei University of Technology has joined the Department and will be with us for the next year.



CESME

It's been a busy few months for the Centre of Excellence for Sustainable Mining and Exploration. On October 30, 2015 CESME partnered with the Bora Laskin Faculty of Law at Lakehead University to organize a conference on the Ring of Fire, a major chromite and Cu-Ni-PGE deposit in Northern Ontario. The conference featured three panels on "Sustainable Resource Development: Possibility or Pipe

Dream?", "Duty to Consult: A Regional Approach?" and "Community Impact" with speakers including Glenn Nolan from Noront and Kyle Stanfield from New Gold. The conference was well attended with ~180 registrants and videos of each of these panels and the following discussion periods can be found on the [Faculty of Law web site](#). We also hosted Rachel Ariss from the University of Ontario Institute of Technology in Oshawa and John Cutfeet from Kitchenuhmaykoosib Inninuwug, who gave a presentation on "Kitchenuhmaykoosib Inninuwug: The Right to Self-Determination, Mining and Canadian Law".



Field school in the Coldwell, 1983 (see more [here](#))

Then and Now



Examining a pegmatite during 4th year field school, 2015



FOR A VANCOUVER ALUMNI AND FRIENDS RECEPTION

Monday, January 25th, 2016 – 5:30 pm to 7:30 pm
Pan Pacific Vancouver - Coal Harbour Suite
300-999 Canada Place, Vancouver, BC

RSVP: amanda.gerow@lakeheadu.ca or 1-800-832-8076 by January 15, 2016

Upcoming events

We will once again be hosting a reception at Roundup this year and are looking forward to catching up with our alumni. If you are able to join us please RSVP to the address on the invitation. Shortly after Roundup we will have another chance to catch up at PDAC, either at our shared booth in the south building (Booth 946) or at the Annual Breakfast Reception in the Royal York on Monday March 7. Looking forward to seeing you all there!

Want to know more? Please visit our web site at www.geology.lakeheadu.ca