



Lakehead University Geology Department

Alumni Newsletter #17

December, 2019

Department News

With another year coming to an end, the Faculty, staff and students of the Geology Department would like to take this opportunity to wish you all a very Merry Christmas and a Happy New Year.

It's been another successful year for the Department with a number of firsts, we were particularly thrilled at the generosity of our alumni who responded magnificently to a fundraising call that raised enough to offset the costs for our 4th year students to attend field school this August - thank you for your support.

In other news, Dr. Hill recently acquired a portable rock-analogue deformation apparatus (**PRADA**) to use in structural geology labs. The equipment was provided by Dr. Phil Skemer from Washington University in St Louis thanks



to an NSF grant. Dr. Hill is already integrating the apparatus into her teaching with students deforming paraffin cylinders (rock analogues) under a constant load to determine the stress-strain-time relationships of the material. The ability to apply these hands-on, experiential techniques helps reinforce their lectures and is just one of the ways we are working to enhance the learning experience for our students.



2019 4th year field school



Working with the PRADA

Alumni News

Congratulations to Carl "Sarge" Schulze (Class of '84) who was named the Yukon Prospector's Association 2019 Prospector of the Year at the Yukon Geoscience Award Banquet in November. According to an article published in the **Whitehorse Star**, Carl is most proud of his 1990 discovery of a gold vein in Northern Ontario which he named the Sugar Zone. The Sugar Zone Gold Mine went into production last year – only 28 years after discovery. This year also saw the retirement of three



Mark, Pete and Mark - now



Pete,
Mark and
Mark -
then

geology alumni from the Ministry of Northern Development and Mines with Peter Hinz (Class of '84), Mark Smyk (Class of '84) and Mark O'Brien (Class of '85). We wish them all the best and hope to still see them around the Department now and again.

Please drop us a line if you have news or photos to share!

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

SEG Student Chapter

This fall the Lakehead SEG Student chapter ran a very successful trip to the Iberian Pyrite Belt. A mix of graduate and undergraduate students were able to visit the Aguas Teñidas Cu-Zn-Pb VMS deposit the Aquablanca (Ni-Cu) mine, the Rio-Tinto (Cu) Mine and the Alconchel IOCG deposit. The Chapter has also been busy organising a number of short courses with Dr. Alan King teaching a very well attended course on the



application of geophysics in the Fall and two more lined up for next semester. Dr. Jeff Hedenquist will be coming on March 28 to teach a course on "the epithermal environment and transition into the porphyry environment" and Dr. John Thompson on March 5 for a course on "the mineralogy of hydrothermal alteration". If you are interested in attending either of these contact Andrew Jedemann at atjedema@lakeheadu.ca.



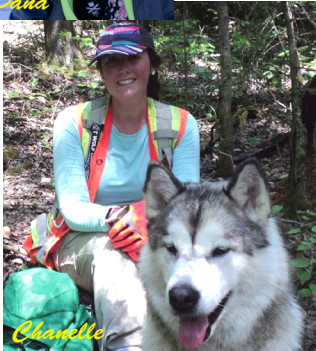
Student Success

Our students have continued to achieve success both nationally and locally. MSc students Pat Hamilton received a US\$2000 Student Research Grant from the Society of Economic Geologists and Andrew Jedemann received a \$10,000 Graduate Student Fellowship from the Society of Economic Geologists Canada Foundation. Both of them also received Mitacs Globalink Research Awards

that allowed them to spend three months this summer completing their analytical work at the University of Tasmania. Pat and Andrew are investigating the Pemberton Hill porphyry system in BC with Pat working on the lithocap and Andrew on the green rock alteration. This years recipient of the Bernie Schnieders award was Dana Campbell, who is working

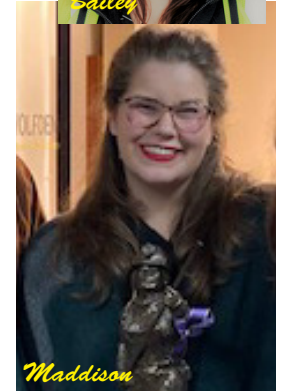


on the "Geochemistry and glacial dispersal patterns of kimberlite indicator minerals in the Slave Province, Northwest Territories". Thanks to the generosity of our donors this fund has grown to the point where this year we will be able to make two awards, one to a first year MSc student and one to a second year. Bailey Drover, who is working on her MSc on "A



study of the structure and hydrothermal alteration assemblages of granitic plutons in the Wabigoon subprovince" received the Barrick Gold Graduate Scholarship and Chanelle Boucher who just completed her thesis on the "Geology and Geochemistry of Ultramafic Rocks in the Lake of the Woods Area" received the Ben Cowan Graduate Scholarship.

Fourth year student Maddison Hodder was this years recipient of the \$2000 North-western Ontario Mining Scholarship supported by Women in Mining and North American Palladium.



We are once again planning to host our alumni breakfast on the Monday of PDAC so keep an eye on your email and be sure to RSVP to this popular event



The northern lights as seen from Polly Lake during the 4th year field school, courtesy Francis Cheung



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