



SOUP N' SCIENCE

RADFORD UNIVERSITY

FROM PROTOTYPE TO THE FIELD: NEW METHODS AND EQUIPMENT TO MEASURE ICE THICKNESS, WITHOUT DRILLING!

UIC Science is excited to host Dr. Rhett Herman and his Arctic Physics research class from Radford University. The class has designed and constructed two pieces of equipment (from scratch!) that will hopefully provide an efficient and effective way to measure ice thickness across a large area without the need to drill. Come learn about their prototypes and their preliminary findings and lessons learned. There will be homemade reindeer soup served!

Presenters:

Dr. Rhett Herman, Professor of Physics, Adj. Prof. of Geology, Radford University;

Arctic Geophysics PHYS 325 Class, This class consists entirely of undergraduates with two advanced high school students.

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Atautichiin Iłitchisa! – Let's learn together!

Images courtesy of Rhett Herman

Let's have some homemade soup and learn about:

- a device built to measure ice thickness using electrical currents that measures voltage that will (hopefully) produce CAT-scan-like images showing the electrical properties of the subsurface;
- the development of a portable device built to measure temperatures of the air layers just above the ice;
- how these devices work, how they have performed during testing, and how they might develop for future use.

Time: 12 (noon) -1pm

Thursday, March 8

Place: BARC Large Conference

room (Barrow Arctic Research Center is located on the NARL campus).

Questions or Comments? Contact:

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