Past Funded and Ongoing Projects

Two-year funded National Science Foundation Office of Polar Programs 2007/09 (#0710687), IRB approved, **Archaeological Activity Area Analysis in Western Alaska through Soil Chemistry and Ethnoarchaeology,** $120,613 (Co-PI's K.J. Knudson and L. Frink). Along with my co-PI Dr. Kelly Knudson of Arizona State University, we investigate soil chemistry signatures of Arctic soils to identify subsistence activity areas.

- 2010 Frink, L. and K. Knudson. Using ethnoarchaeology and soils chemistry to examine herring and salmon fisheries on the Arctic Alaskan coast. *North American Archaeologist* 31(2):221-248.

- 2010 Knudson, K. and L. Frink. Ethnoarchaeological analysis of Arctic fish processing: Chemical characterization of soils on Nelson Island, Alaska.*Journal of Archaeological Science* 37:769-783.

- 2010 Knudson, K. and L. Frink. Soil chemical signatures of a historic sod house: Activity area analysis of an Arctic semisubterranean structure on Nelson Island, Alaska. *Archaeological and Anthropological Sciences* 2:265-282.

- 2004 Knudson, K. J., L. Frink, B. W. Hoffman, and T. D. Price. Chemical characterization of Arctic soils: Activity area analysis in contemporary Yup'ik fish camps using ICP-AES. *Journal of Archaeological Science*31:443-456.

- 2005 National Science Foundation Office of Polar Programs (#0452900), IRB approved, **Elder Knowledge and Ceramic Production: Combining Ethnoarchaeological and Experimental Techniques for Evaluating and Reconstructing the Manufacture, Use, and Meaning of Pottery in Western Native Alaska**, $38,265 (Co-PI's L. FRINK and K. Harry). Dr. Harry and I have been investigating the complex environmental, cultural, and technical aspects of ceramic production in Arctic Alaska. The interdisciplinary project has included collecting clays, building, and firing pots in western Alaska. Dr. Harry continues to conduct lab experiments exploring the technical aspects of these pots as well as work with students

to discover the heating properties of these pots as compared with other materials, such as metal pots. 2009 Harry, K., L. Frink, C. Swink, and C. Dangerfield. An experimental approach to understanding Thule pottery technology. *North American Archaeologist* 30(3):291-311.

- 2009 Harry, K.G. and L. Frink. The Arctic cooking pot: Why was it adopted? *American Anthropologist* 111(3):330-343.

- 2009 Harry, K.G., L. Frink, B. O'Toole, and A. Charest. How to make an unfired clay cooking pot: Understanding the technological choices made by Arctic potters. *Journal of Archaeological Method and Theory* 16:33-50.

- 2008 Frink, L. and K. Harry. The beauty of "ugly" Eskimo cook pots.*American Antiquity* 73(1):103-120.