

# Graduate Student Opportunity



## When did the Greenland Ice Sheet Disappear?

The National Science Foundation has funded a 3-year project at the University of Vermont along with the University of Arizona, and Lawrence Livermore National Laboratory that will attempt to quantify when the Greenland Ice Sheet last melted away.

We will use the cosmogenic nuclides  $^{10}\text{Be}$ ,  $^{26}\text{Al}$ ,  $^{36}\text{Cl}$  and  $^{14}\text{C}$  as our tools and will be recruiting either two MS Geology students or one doctoral student in either Natural Resources or Engineering. Two and one half academic years of support are available for MS students; four years of support would be available for a doctoral student. All research and travel costs are grant supported.

The project will involve several weeks of fieldwork in Greenland, traditional and clean-room sample preparation techniques, ice flow modeling, and analytical experience at Livermore Laboratory and possibly at the University of Arizona.

We are interested in students who can begin in January 2008. The ideal candidates will be comfortable working in difficult field conditions, have coursework in geology sufficient to recognize rock types in the field, be numerically facile, and have experience or coursework in chemical laboratories.

Please contact Paul Bierman ([pbierman@uvm.edu](mailto:pbierman@uvm.edu)) and Tom Neumann ([tneumann@uvm.edu](mailto:tneumann@uvm.edu)) for more information before submitting your application on-line at <http://www.uvm.edu/~gradcoll>