Student-Faculty Publications 2008


2008 Senior Honors Projects

- Stephanie Tubman '08
  Carbon isotopes of maple syrup: A record of atmospheric and environmental change

2008 Geology 440 Presentations

- Jason Fredricks
  Fluid Inclusion and Stable Isotope Constraints on Hydrothermal Dolomitization of Proterozoic Basement Marble: Adirondack Lowlands, New York
  Advisor: Bruce Selleck

- Matthew Loewenstein
  Sources of Magnesium for Hydrothermal Dolomitization of Basement Marble, Adirondack Lowlands, New York
  Advisor: Bruce Selleck

- Catie Moore
  Grain Size Distribution on a Barrier Beach: Duxbury, MA
  Advisor: Bruce Selleck

- Miguel Rodriguez
  Apatite Budget in Soils of Betasso Preserve, Colorado
  Advisor: Rich April

- Beverly Walker
  Gastropod Assemblages from the Tertiary Chickaloon Formation in Southern Alaska
  Advisor: Connie Soja

- Emmett Weatherford
  Evolution of the Northeast Ridge of Hekla Volcano, Iceland
  Advisor: Karen Harpp

Student Research Projects- Summer 2008

- Catie Carr ’11 (advisor: Bruce Selleck)
  Stable Isotopes of Oxygen and Carbon in Gastropod Shell Carbonate, Woodman Pond, NY

- James (Connor) Forbes ’09 (advisor: Karen Harpp)
  Investigation into compositional variations of magma at Sakurajima volcano, Japan

- Jason Fredricks ’09 (advisor: Bruce Selleck)
  Origin of hydrothermal dolomite in the Richville Shear Zone: Evidence for seismic pumping

- Lauren Idleman ’10 (advisor: Rich April)
  Base cation depletion and mineral weathering in Adirondack soils

- Jason Kammerdiener ’10 (advisor: Karen Harpp)
  Geochemical variations in Galapagos and Icelandic eruptions
° Matthew Loewenstein '09 (advisor: Bruce Selleck)
  Origin of hydrothermal dolomite in the Richville Shear Zone: basement sources of magnesium from silicate mineral alteration

° Seghan MacDonald '10 (advisor: Rich April)
  Organic carbon and mineral weathering in Devonian shales

° Ilona Matulaitis '10 (advisor: Karen Harpp)
  Origin of the Vanda Dike Swarm, Antarctica

° Steffan Pierre '10 (advisor: Amy Leventer)
  Late summer 2006 phytoplankton from the Larsen B embayment, Antarctica

° Miguel Rodriguez '09 (advisor: Rich April)
  Interdisciplinary studies in the Critical Zone, Boulder Creek Catchment, Front Range, Colorado

° Rebecca Tortorello '10 (advisor: Amy Leventer)
  Modern distribution of diatoms along the West Antarctic continental margin

° Bev Walker '09 (advisor: Connie Soja)
  Paleoecology and paleoenvironment of Early Tertiary Alaskan forests, Matanuska Valley, Alaska

° Emmett Weatherford '09 (advisor: Karen Harpp)
  Examination of basement rock on the northeast ridge of Hekla Volcano, Iceland