

# GRADUATE DEGREES AWARDED FOR THE ACADEMIC YEAR 2002-03

## PhD Degrees

**Eric C. Carson**, *Mickelson/Knox*, Holocene Fluvial Responses to Environmental Change, Uinta Mountains, Northeastern Utah

**Weston R. Dripps**, *Anderson*, The Spatial and Temporal Variability of Ground Water Recharge within the Trout Lake Basin of Northern Wisconsin

**Gregory K. Druschel**, *Banfield*, Sulfur Biogeochemistry: Kinetics of Intermediate Sulfur Species Reactions in the Environment

**Garret L. Hart**, *Johnson*, Isotope Study of Magmatic Processes and Crustal Recycling in Subduction Zone Environments in the Cascade Range of Northwestern U.S.

**Meredith K. Rhoades**, *Carroll*, Lacustrine Stratigraphy and Strontium Isotope Geochemistry of the Laney Member, Green River Formation, Southwestern Wyoming

**Tyson E. Strand**, *Wang*, A Statistical Representation of the Properties of Granular Porous Media: Percolation Modeling of Two-phase Flow Processes and Parameter Estimation

## MS Degrees

**Lindsay R. Anderson**, *Mickelson*, Evaluation of Shoreline Erosion Extent and Processes on Wisconsin's Lake Superior Shoreline

**Karoun Charkoudian**, *Tikoff*, A Tale of Two Plutons: Pluton Emplacement and Strike-slip Deformation, Vermilion Granitic Complex, Northern Minnesota

**Ingrid L. Ekstrom**, *Bahr*, Effects of Air Sparging on a Geochemically Heterogeneous Groundwater System

**Samantha E. Hansen**, *Thurber*, Three-Dimensional Seismic Velocity and Attenuation Structure of the East Rift Zone and South Flank of Kilauea Volcano, Hawaii

**Eric M. Horsman**, *Tikoff*, Geometry and Internal Fabric of the Maiden Creek Sill, Henry Mountains, Utah

**Brian R. Jicha**, *Singer*, Variable Impact of the Subducted Slab on Aleutian Island Arc Magma Sources: Evidence from Sr, Nd, Pb, and Hf Isotopes and Trace Element Abundances

**Stephanie M. Maes**, *Brown*, Scheelite Geochemistry of the Pine Creek Pendant, California: EMPA and Stable Isotope Microanalysis

**Nancy J. Mablén**, *Johnson*, Provenance and Paleogeography of Subducted Oceanic Sediments of the Zermatt-Saas Ophiolite, Western Alps, and Implications on Rare-Earth-Element and Rb-Sr Mobility at UHP Conditions

**John C. Marma**, *Brown*, Magmatic and Hydrothermal PGE Mineralization of the Birch Lake Cu-Ni-PGE Deposit in the South Kawishiwi Intrusion, Duluth Complex, Northeast Minnesota

**Christopher J. Ott**, *Byers*, Leptoceratops (Dinosauria, Ornithischia) from the Hell Creek Formation (Cretaceous, Maastrichtian) of Eastern Montana

**Christine D. Pint**, *Anderson*, A Groundwater Flow Model of the Trout Lake Basin, Wisconsin: Calibration and Lake Capture Zone Analysis

**Kyle A. Roberts**, *Thurber*, Three Dimensional Structure and Earthquake Locations along the San Andreas Fault near Parkfield, California

**Brooke A. Swanson**, *Carroll*, Sedimentology, Stratigraphy and Strontium Geochemistry of the Eocene Luman Member, Green River Formation, Wyoming

**Rebecca A. Tedford**, *Kelly*, Geochemical, Sedimentological, and Microbiotic Responses to the Late Miocene Carbon Isotope Shift (7.7MA) at ODP Site 1172B in the South Tasman Sea

**Joyashish Thakurta**, *Valley*, Carbon Isotope Thermometry of Marbles of Santa Lucia Range, in the Salinian Block, California

**Katie L. Thornburg**, *Sabai*, Characterization of Arsenic Occurrence, Mobility and Retardation in Sandstone and Dolomite Aquifers of the Fox River Valley, Wisconsin

**Sarah J. Titus**, *Tikoff*, Geologic and Geophysical Investigations of Two Fine-Grained Granites, Sierra Nevada, California: Evidence for Structural Controls on Volcanism

**Jeffrey D. Wilcox**, *Bahr*, Variability of Groundwater Chemistry in an Agricultural Setting and Implications for Assessing Impacts of Land Use Change



*Brooke Swanson staffs the department's booth in the Graduate School Information Forum at the Seattle GSA meeting in Nov. Our grad students who attended the meeting did a great job in the booth talking with prospective students and spreading GeoBadger good will. Photo, Mary Diman.*