**Ph.D. Degrees**

Elizabeth R. Clechenko, Kelly, Terrestrial Response to Transient Warming Across the Paleocene-Eocene Boundary in the Williston Basin North Dakota: A Multi-Proxy Investigation

Stephanie M. Maes, Tikoff, Magnetic Fabric Constraints on the Emplacement of Igneous Intrusions

Nancy J. Mahlen, Johnson, Investigations of Radiogenic Isotope Geochronology and Element Zoning in Garnets: Partial Dissolution Studies Implications for Geochronology and a Case Study from the Zermatt-Saas Ophiolite Western Alps

Michael E., Smith, Carroll/ Singer, The Stratigraphy and Geochronology of the Western U.S., Green River Formation

Jeffrey D. Wilcox, Bahr, Transport and Fate of Organic Wastewater Contaminants Beneath Unsewered Residential Subdivisions

**Master’s Degrees**

Bryn Benford, Tikoff, Geological Structures of the Granitic Rocks of the Owyhee Mountains, Idaho: Characterization of Along-Strike Variations in the Western Idaho Shear Zone

Ninfa Bennington, Thurber, Three Dimensional Seismic Attenuation Structure around the SAFOD Site, Parkfield, California

Michael Cobb, Anderson, Hydrogeologic characterization of the Ordovician Prairie du Chien Group in west-central Wisconsin

Laura Craig, Bahr, Identifying Denitrification Processes in Groundwater and Surface Water at Dorn Creek Marsh, Dane County, Wisconsin

Amalia C. Doebbert, Carroll, Geomorphic Controls on Lacustrine Isotopic Compositions: Evidence from the Laney Member, Green River Formation (Wyoming)

Danica E. Dralus, Wang, Pore Geometry Inferred from Fluid Drainage Experiments and Simulations in a Granular Medium

JoAnn R. Gage, Tikoff, Anisotropy of Magnetic Susceptibility (AMS) Analysis of Strain Partitioning in a Lithologically Heterogeneous Granulite Facies Sheer Zone, Mt. Chapple, Central Australia

Justin C. Gosses, Carroll, Stratigraphy and 4Ar/39Ar Geochronology of the Laguna del Hunco Formation: A sub-aerial and Lacustrine Caldera moat formation

Rachel M. Greve, Bahr, A Post-Closure Assessment of Natural Attenuation at Eight Leaking Underground Storage Tank Sites

Morgan Herrick, Johnson, Isotopic Studies of the 3.7-3.8 Ga Isua Banded Iron Formation Provide Insight into Early Archean Geochemical Cycles

Preeya Jirutthitijaroen, Simo, Application of Ground Penetrating Radar to Image Shallow-Water Carbonates, Cretaceous, South-Central Pyrenees, Spain

Penelope J. Lancaster, Valley, Granitoid Genesis in the Adirondack Mountains, NY State


Laura J. Mitchell, Kelly, The Paleocene Eocene Thermal Maximum in the Southern Indian Ocean: High-Resolution Records of Stable Isotope and Foraminiferal Assemblage Changes at ODP Site 758

John C. Naranjo, Carroll, Tertiary Basin Initiation and Sedimentation; East Java Basin, Indonesia

Jennifer L. Nielsen, Kelly, A High-Latitude Record of the Planktonic Foraminiferal Turnover During the Middle to Late Eocene Transition in the Southern Ocean (ODP Site 748)

Matthew J. Reiderer, Brown, Fluid Inclusion Study of the Midas Low-Sulfidation Epithermal Au/Ag Mine, Elko County, Nevada

Eric D. Shullenberger, Kelly, Stratigraphic and Mineralogic Evidence of Paleoweathering at the Paleocene-Eocene Boundary, Williston Basin, North Dakota

Kathleen H. Staffier, Goodwin, Field and Microstructural Investigation of Plagioclase Deformation Behavior in Granulite Facies Rocks Mt. Hay, Central Australia

Mark Stevens, Sahai, Oxide Specific Phospholipid Adsorption and Jurkat Cell Adhesion

Jennifer E. Tang, Simo, Provenance of Quartz-rich Sandstones Deposited Adjacent to the Tertiary Java Arc, Indonesia

**Undergraduate Degrees**

**December 2006**

Craig A. Brumblay  
Anna C. Dahl  
Nicholas T. Legg  
Craig C. Schuettpekz

**May 2007**

Megan R. Bender  
William S. Cassata  
John W. Dockrey  
David O. Doncheck  
Andrew J. Fraass  
Sarah E. Gatzke  
Eli S. Goldberg  
Eri L. Gray  
JoAnne Huie  
Evan J. Parks  
Alexis F. Rodriguez  
Craig A. Schiller  
Ryan J. Sharma  
Adam W. Sindermann  
Matthew B. Tibbitts  
Nicholas S. Tiedemann  
Michael S. Ursin  
Meredith A. Wismer

**August 2007**

Ryan J. Kolb

**December 2007**

Anthony A. Aiuppa  
Samuel T. Hillier

http://www.geology.wisc.edu

2007 The Outcrop 15
Grad GeoClub

Baking event raises some dough

by Emily Freeman, President

In November, the GeoClub sponsored a charity event called “Cake for a Cause,” which harnessed the baking talents and generous spirit of the Weeks community to raise money for the Madison YWCA shelter. For three days, geologically-themed baked goods poured into the office. Just as swiftly, the goodies were headed back out the door on the plates of students, staff, faculty, and visitors. A panel of baking experts on hand for the event awarded honors to many of the donations. Paleoceanography graduate student Laura Mitchell received “Best in Show” for her marzipan replica of an ancient seafloor teeming with trilobites, crinoids, and early chordates.

Undergraduate geoscientists Kat Bevington, Lisa Lesar, Carrie Levitt, and Sarah Siewert, fashioned a mid-ocean rift, a sauropod, and a geode from cake, frosting, and pure genius, receiving the coveted awards for “Best Extensional Tectonics,” “Most Cheerful Sauropod,” and “Most Geochemical.” Hydrogeology graduate student Seann McClure baked his very first cake and proudly took home an award for “Best Porous Medium.” By the end of the event, the Weeks community raised $280 for homeless families in the Madison area. Many thanks to everyone for donating their time (and insulin) to make this event a success!

Student Awards & Scholarships for 2007

Shell Undergraduate Research Fund Awards
Jacob B. Birkett
Bridget C. Diem
Nathan C. Eck
Sarah E. Gatzke

Mack C. Lake Outstanding Senior Scholarships
Joanne Yuet-Ling Huie
Meredith A. Wismer

T.C. Chamberlin Scholarships
Erin L. Gray
Tyler J. Krucas
George X. Rothdrake

The James J. and Dorothy T. Hanks Award in Geophysics
Jeremy D. Pesicek

The Carl and Val Dutton Scholarship
Kathryn S. Bevington

The Sharon Meinholz Graduate Student Awards
Morgan J. Herrick
Matthew A. Kuchta
Nancy J. Mahlen
Jennifer L. Nielsen

The Stanley A. Tyler Excellence in Teaching Award
Mark J. Stevens

The Sturges Bailey Scholarship
Emily D. Freeman

The Thomas E. Berg Excellence in Teaching Award
Bryn A. Benford
Sarah E. Greene
Penelope J. Lancaster

The 2007 Graduate Fellowship of the American Federation of Mineralogical Societies
Emily D. Freeman

The Albert and Alice Weeks Outstanding Research Paper Awards
Daniel C. Douglass
Brian R. Jicha
Michael E. Smith

The George J. Verville Award
MaryRuth Kotelnicki

Van Hise Graduate Fellowship
Lauren M. Chetel

The Morgridge Distinguished Graduate Fellowship
Christopher S. Lowry

The 2007 Distinguished Undergraduate Student
William S. Cassata

The 2007 Distinguished Graduate Student
Jeffrey D. Wilcox

The Thomas E. Berg Excellence in Teaching Award
Bryn A. Benford
Sarah E. Greene
Penelope J. Lancaster

The 2007 Graduate Fellowship of the American Federation of Mineralogical Societies
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Lauren M. Chetel

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Christopher S. Lowry

The 2007 Distinguished Undergraduate Student
William S. Cassata

The 2007 Distinguished Graduate Student
Jeffrey D. Wilcox

Left. Laura Mitchell’s ancient seafloor, with all creatures safe for human consumption won “Best in Show.” Above, a sweet geode by Sarah Siewert.