Department of Geology
Awards Ceremony

Friday, April 25, 2014
Department of Geology
University of Georgia
Awards Ceremony
April 25th, 2013

Alumni Advisory Board Members

Mr. Alex Glover, Chair
Director of Mining & Environment, Active Minerals, International, LLC

Dr. Donald Baker*
President, OGM Resources

Mr. John Hayden*
Deputy Executive Director, Government Relations & Public Affairs,
Society for Mining, Metallurgy, and Exploration, Inc.

Ms. Kathryn Hoffmeister*
Geologist, ConocoPhillips

Mr. Frank Lieth*
Director, Geological Services, US Vulcan Materials Co.

Ms. Jane Marshall
Deputy Director, Security Operations Division, U.S. Nuclear Regulatory Commission

Dr. Theodore McCarthy*
Fellow Analyst, Savannah River National Laboratory

Mr. Mark Mitchell*
President, Genesis Project, Inc.

Ms. Sally Moore
Manager, Geology & Geophysics, Mobil New Business Development
Recognition of Geology Club Members

Excellence in Geology & Paleontology Outreach
Excellence in Club Service

Rachel Sellers & Corbin Kling – Co-Heads
Hunter Carr - Secretary
Michael Grimaldi - Treasurer
Rachel Rotz & Caroline Potterf - Publicity
Sydne Workman & Walker Padgett - Outreach
Sam Santoso & Adam Jones - Events
Amy Perez & Amelia Ann Callaway Hays – Brown Bag Talks
Travis O’neill – Professional Liaison

Presentation of 2013 Outstanding Young Alumni Award

Mr. Matthew H. Hastings

Presentation of 2013 Distinguished Alumni Award

Mack S. Duncan
Mr. Ed Moritz*
President, Gustavson Associates

Ms. Johannah Phelan
Project Manager, CH2M HILL

Dr. James Saunders
Professor of Geology, Auburn University

Ms. Katie Sechrist*
Geologist, Newmont Gold Corp.

Mr. Jeff Shellebarger*
Managing Director, Caltex Pacific Indonesia

Mr. Ryan Stepler
Senior Geophysicist, Marathon Oil Corporation

*New member, spring 2013

Undergraduate Accolades

B. S. Recipients
Summer 2013 • Fall 2013 • Spring 2014

Senior Theses

Rachel Cheatham - Mississippian paleocommunities of Center Hill Lake, Tennessee (Steve Holland)

Nicole Graham - Foraminiferal dispersal and the occurrence of allochthonous propagules at an upper bathyal site in the western Atlantic (Sue Goldstein)

John Harper - Anoxic Transition within the Smoky Hill Chalk Member of the Niobrara Formation and its Effect on Organic and Inorganic C-N Assemblages (Paul Schroeder)

Davison Hogan - U-Pb detrital zircon geochronology of the Preachers Formation of the southern Pine Nut Range, NV (Jim Wright)
Corbin Kling - Micro- and macrofossils from uplifted Holocene terraces, Taylor Dry Valley, Antarctica (Sally Walker)

Abigail Saenger - Melt Inclusion Study of the East Fork Rhyolite Member of the Valles Caldera, New Mexico (Mike Roden)

**Honors Theses**

Na Hyung Choi - The origin of unusual phosphate deposits on the Venezuelan island Gran Roque, Leeward Antilles (Jim Wright)

Abigail Maxwell - A comparison of Vp/Vs for the Inner Piedmont and Carolina Terrane (Rob Hawman)

**Presentations at Professional Meetings**

Ashley Dupont, Dr. Russel Cuhel, Ca:Mg Ratios in Quagga Mussel Shells in Lake Michigan: A Biogeochemical Thermometer and it's Relationship with Water Column Inventories, ASLO Ocean Sciences Meeting, February 2014

**Graduate Coordinator**

Jim Wright
Paul Schroeder

**Professor of the Year**

Steve Holland

**Teacher of the Year**

Chris Ginn
Staff Accolades

A Group of Extremely High Performing Individuals

Rachel Ashton
Jason Burwell
Julie Cox
Chris Fleisher
Cindy Fouche
Corbin Kling
Michael Lewis
Jack McDaniell
Ashley Moore
Robert Phares

Miriam Watts-Wheeler Travel Scholarships

Deniz Ballero-National GSA
Darin Lang-National GSA
Ny Riavo Voarintsoa-National GSA
Laura Fackrell

Interdisciplinary Certificate in University Teaching

Dan Bulger

Outstanding Teaching Assistant Award

Allison Platsky
Joao Luna-Gonzalez
Graduate Student of the Year

Judi Sclafani
Erin Smith

Faculty Accolades

Lothar Tresp Outstanding Honors Professor Award

Jim Wright

Undergraduate Advisors

Rob Hawman
Alberto Patiño-Douce

External Funding

Corbin Kling, GSA Southeastern student travel grant to attend GSA National conference in Denver 2013, $100

Internal Funding

Geology Club Field School Scholarship

Josh Johns

Newmont Mining Corporation
Outstanding Undergraduate Student Award

Jason Burwell
Isabel Cantin

Undergraduate Student of the Year

John Harper
Na Hyung Choi

Graduate Student Accolades
Presentations at Professional Meetings

**Chelsea Jenkins** and Steven Holland, Initiation of provinciality across Laurentia during the Ordovician, North American Paleontological Convention


**Wondwosen Seyoum** and Adam Milewski, Understanding Climate Variability and Human-induced Impacts on the Hydrology of Central Rift Valley Lakes, Ethiopia, Using Hydrologic Modeling and Remote Sensing. (AGU)


M.S.

Demosthenes, Lori, Experimental analysis of ash and mineral sources for ancient glass using oxygen isotopes. M.S. advisor: Swanson

Fochtman, Stephanie, A Stable Isotope Study on Fluid Source and Temperature of the Murgul Deposit.

Ginn, Chris, Sequence Stratigraphy of the Silurian Clinch Formation, northeastern Tennessee and southwestern Virginia. M.S. advisor: Holland

Jenkins, Chelsea, Are biogeographic provinces discrete or gradational: a test in the Late Ordovician of Laurentia. M.S. advisor: Holland

Lang, Darin, Dispersal and propagule banks of benthic foraminifera: Shelf to bathyal settings, western North Atlantic. M.S. advisor: Goldstein

Mason-Deese, William, Modeling stormflow in ungauged basins: Using digital filters, LIDAR, and the geomorphological instantaneous unit hydrograph. M.S. advisor: Dowd


Tweedell Robertson, Amy Jo, The effect of drought on benzene-contaminated underground storage tank sites in Georgia. M.S. advisor: Dowd

Gilles and Bernadette Allard Geology Award

Stephanie Fochtman
Evaluation of the origin of large VMS deposits, Eastern Ponide Belt, eastern Turkey

Jake Mosely
Mafic and ultramafic xenoliths from the Easy Chair Crater basalt flow, Lunar Crater Volcanic Field, Nevada: A model for complex local lower crust / upper mantle magmatism magic and ultramafic xenoliths.

Joseph W. Berg Scholarship in Geophysics

Ryan Jubran
Resistivity Studies of Karst Features in Southwest Georgia
Bill Wylie
Drainage Patterns and Characterization of the Mobile Body of the Allison Creek Landslide in Macon County, North Carolina

2013-2014 Graduate Degrees
Ph.D.

Ballero, Deniz, The application of the total evidence approach for phylogenetic reconstruction of selected monothalamous foraminifera of Sapelo Island, Georgia, USA. Ph.D. advisor: Goldstein

Journal Publications

Deniz Altin-Ballero, A. Habura, Sue Goldstein - *Psammophaga sapela nov. sp.* a new monothalamous foraminifera from coastal Georgia, USA: fine structure, gametogenesis, and phylogenetic placement (Journal of Foraminiferal Research)

**Horry Parker**, Rob Hawman - Multi-channel analysis of surface waves (MASW) in karst terrain, southwest Georgia: Implications for detecting anomalous features and fracture zones (Journal of Environmental & Engineering Geophysics)

**Judi Sclafani**, Steve Holland - The Species-Area Relationship in the Late Ordovician: A Test Using Neutral Theory (Diversity)

Ny Riavo Voarintsoa, R. Cox, M. Razanatseheno, A. Rakotondrazafy - Relation between bedrock geology, topography and lavaka distribution in Madagascar (South African Journal of Geology)


External Funding

Ny Riavo Voarintsoa, GSA Southeastern Section Student Travel Grant to attend GSA annual conference in Denver, $100
AGU Student Travel Grant to attend AGU annual conference in San Francisco, $500
Association of Women Geoscientists: Received one year-free membership

Wondwosen Seyoum, 2013 graduate student research grant from IAMG (International Association of Mathematical Geosciences) - $1500

Internal Funding

**Miriam Watts-Wheeler Research Scholarships**

Fall 2013 • Spring 2014

**William Phalen**- The distribution and abundance of Homotrema rubrum in the Florida Keys ($500)

**Annaka Clement**: Sequence stratigraphy of the evaporite-bearing Middle Jurassic Gypsum Spring Formation, southeastern Bighorn Basin, Wyoming. ($1027)
Laura Fackrell: Distribution of thermophilic ammonia oxidizing archaea across hot spring sediment gradients: The role of trace elements in the nitrogen cycle. ($1000)

Kris Kusnerik: Paleoecology of the Sundance Seaway: Marine paleocommunity formation and evolution in the Jurassic U.S. Western Interior. ($865)

Joanna Wilford: Modeling the weathering of architectural sandstones. ($1000)
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