Department of Geology Awards

April 24, 2020

University of Georgia
Geology Department Administration

Department Head
Dr. Paul A. Schroeder

Associate Department Head
Dr. Adam Milewski

Undergraduate Advisors
Dr. Doug Crowe
Dr. Rob Hawman

Graduate Coordinator
Dr. Alberto Patiño-Douce

Geology Alumni Advisory Board

Mr. Grant Eager, Chair
US Vulcan Materials Co.

Ms. Charlotte Abrams
Nuclear Regulatory Commission

Mr. Jeff Blackmon
Project Manager, Newmont Gold

Mr. Skip Forsthoff
Consultant Geologist Chevron

Mr. Ken Gillon
Consultant

Mr. Alex Glover
Consultant

Mr. Frank Lieth
US Vulcan Materials Co.

Mr. Ed Moritz
President, Gustavson Associates
Mr. Daven Mashburn
Senior Exploration Manager, Newmont Gold

Dr. Wes Myers
Los Alamos National Laboratory

Mr. Jim Redwine
Senior Managing Scientist
Anchor QEA, LLC

Dr. James Saunders
Professor of Geology, Auburn University

Mr. Jeff Shellebarger
Retired, Chevron NA Exploration and Development
Undergraduate Accolades

B.S. / A.B. Recipients
Fall 2019 – Spring 2020 – Summer 2020

Ansley Jordan Ball
Bryce Finch
Austin Gholson
Laura Hanawalt
Sarah Hood
Catherine LaBriola
Morgan Lewis

Ashley Little
Cash Owens
Matthew Prausa
Sydney Shatz
Earl Terry
Irene Valli

External Awards

*American Institute of Professional Geologists Georgia Section: Student Scholarship 2020*

Sarah Olmstead

Senior Theses/Research and/or CURO

1. **Kirsten Farmer**: Population and Size Distribution of Cibicides antarcticus on Adamussium colbecki within Explorers Cove, Antarctica (Walker)
2. **Catherine Labriola**: Preliminary Test of the Mesozoic Marine Revolution Hypothesis Using Repair Scars on Cretaceous Oysters, Southern Atlantic Gulf and Coastal Plain (Walker)
3. **Morgan Lewis**: Testing Martian Valley Formation Mechanisms. (Milewski)
4. **Cash Owens**: Geologic History and Lava-Fracture Interaction at King’s Bowl, Craters of the Moon National Monument, Idaho. (Klimczak)
5. **Ashley Little**: Structural diagenesis of the Heidelberg Sandstein, Subhercynian Cretaceous Basin, Germany. (Klimczak)
6. **Sydney Shatz**: Sandstone provenance of the marine Jurassic of western Canada and central Montana. (Holland)

Presentations at Professional Meetings


**Undergraduate Department Awards**

**Outstanding Field School Students 2020**

Taylor Combs
Sarah Beth Hood

**Outstanding Undergraduate Students 2019-2020**

Cash Owens
Sydney Shatz
Graduate Student Accolades

2020 Graduates

Ph.D.

1. **Garett Brown**, “Beyond water depth: the environmental controls on marine benthic invertebrate assemblages in the modern and fossil record”, Ph.D., Holland

2. **Melanie Callihan**, “Growth of complex fracture systems in extensional tectonic settings on Earth and the Moon with applications to tectonic geomorphology, fault rock evolution, and dike emplacement.”, Ph.D., Klimczak

3. **Chris Smith**, “Experimentally grown foraminifera and their response to heavy metal (arsenic, cadmium, nickel, and zinc) contamination”, Ph.D., Goldstein

M.S.

1. **Lucas Novello Favero**, “Removal of oxyanionic species from coal combustion residuals: the case of boron and bromide”, M.S., Nzengung

2. **Barrett Jordan**, “Geology of the Calhoun Critical Zone Observatory”, M.S., Schroeder

3. **Gustavo Larramendi**, “Investigation of the late Paleozoic collision between Gondwana and Laurentia and the resulting deformational response of the upper mantle beneath the southern Appalachians using global phase seismic events.”, M.S., Hawman


5. **Sydney Lee**, “Testing two paleogeographic interpretations of the Jurassic of western North America”, M.S., Holland

6. **Andrew Clements**, “Investigation of rift basins and underlying crust beneath the southeastern Atlantic Coastal Plain using teleseismic phases”, M.S., Hawman
Journal Publications or Technical Reports


Presentations at Professional Meetings


External Funding/Recognitions

Alliance for Weedon Island Archaeological Research and Education, Inc. (AWIARE)/Levitt Foundation Grant:

Lindsey Parsons: The use of taphonomic and stable isotopic analysis in archaeological scallop deposits as a key to how native coastal communities harvesting practices were affected by climatic change (A.D. ~800–1850), southwestern Florida $10,000

* UGA Center for Teaching and Learning

Kelly Cronin: Future Faculty Fellow

* North American Paleontological Convention, Riverside, California

Kelly Cronin: Co-organized symposium on Antarctic ecosystems and climate change

*
Louis Stokes Alliance for Minority Participation (LSAMP) Bridge to the Doctorate Fellowships, National Science Foundation (2019)

Yonesha Donaldson
David F. Richards IV

* Farouk El-Baz Student Desert Research Award GSA Foundation

Rachel Rotz

* Beta Sigma Chapter of Delta Kappa Gamma Georgia State Organization Scholarship Grant

Rachel Rotz

* Delta Kappa Gamma International Society for Women Educators - Virginia Macagnoni Grant

Rachel Rotz

* SEGS-Southeastern Geological Society Student Research/Field Work Grant

David F. Richards IV

* Geopaths Near Surface Geophysics Field Mentor- Shale Hills Critical Zone Observatory (CZO), National Science Foundation (2019)

Yonesha Donaldson

Internal UGA Geology Funding

Miriam Watts-Wheeler Research Scholarships
Fall 2019 • Spring 2020

Laura Fackrell
Bear Jordan
Abdullah al-Nahian
Cleveland Tarp
Huseyin Demir
Steffan Becker
Miriam Watts-Wheeler Travel Scholarships  
Fall 2019 • Spring 2020

Garett Brown  
Max Deckman  
Laura Dupont  
Chris Smith  
Kelly Cronin  
Yonesha Donaldson  
David Richards  
Melissa Creviston  

Rachel Rotz  
Laura Fackrell  
Melanie Callihan  
Sierra Ramsey  
Jupiter Cheng  
Laura Fackrell  
Huseyin Demir

Gilles and Bernadette Allard Geology Award 2019-2020

Anik Regan  
Max Deckman  
Samantha Khatri

Outstanding Teaching Assistant Award 2019-2020

Laura Fackrell  
Melanie Callihan

Outstanding Ph.D. Student of the Year 2019-2020

Rachel Rotz

Outstanding M.S. Student of the Year 2019-2020

Barrett “Bear” Jordan

Alumni Accolades

Outstanding Young Alumni Award

Devon Verellen

Distinguished Alumni Award

Skip Forsthoff
Faculty Accolades

Fund Raising & Alumni Engagement

Dr. Doug Crowe
Dr. Steve Holland

Professor of the Year

Dr. Steve Holland

Teacher of the Year

Dr. Doug Crowe

Halbouty Endowed Visiting Chair

Dr. Sally E. Walker - Professorship

National Academy of Inventors

Dr. Valentine Nzengung - Fellow

Promotion and Tenure

Dr. Christian Klimczak - Associate Professor

New/Renewed Grants


Dr. Adam Milewski: Hydrologic and Landscape Analysis within the Southeast, National Fish and Wildlife Service, (2018-2022)


Dr. Adam Milewski: Ground Validation of Remote Sensing-based Precipitation Products in Kuwait, Kuwait University, (2018-2019)


Walker, S.E. Collaborative Research: The Antarctic Scallop as Key to Paleoenvironments and Sea Ice Conditions: Understanding the Modern to Predict the Past, NSF Office of Polar Programs (2018–2021)

Staff Accolades

A Group of High Performing Individuals

Rachel Ashton
Ashley Arnold
Catherine Moore
  Julie Cox
Michael Lewis
Chris Fleisher

Hourly workers

Telia Garner
Savannah Rathbun
Sarah Olmstead
Megan McPherson

Recognition of Geology Club

2019-2020 Officers

Kelsey Luke & Sydney Shatz – Co-Presidents
Catherine Labriola – Vice President and Treasurer