

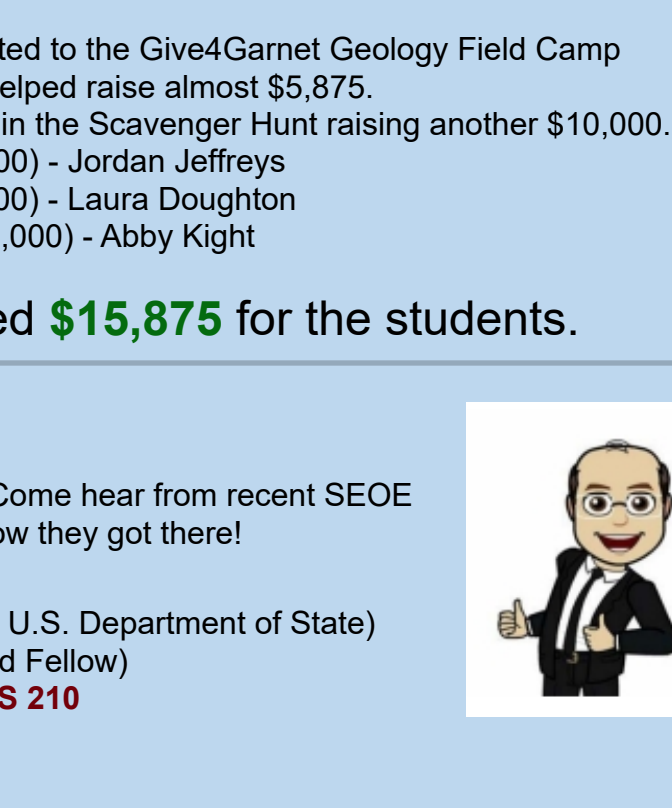
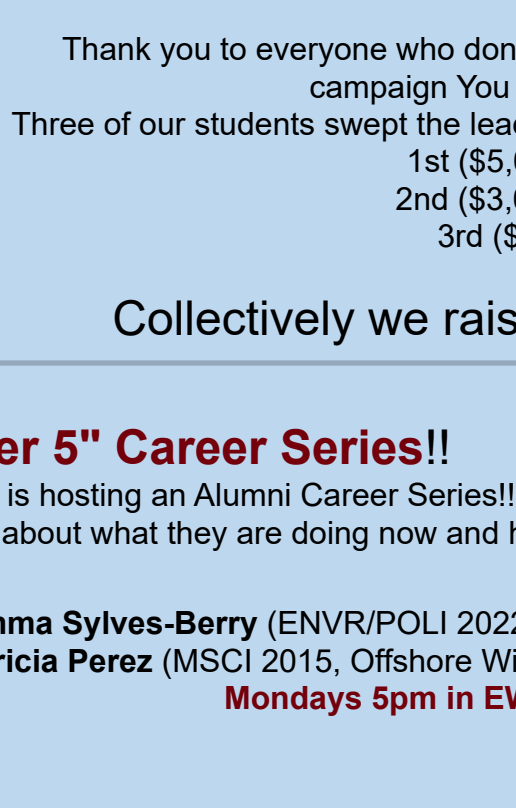
SEOE Newsletter

Term: Spring 2024 | Issue 20

March 2024

Undergraduate Office

Give4Garnet



Thank you to everyone who donated to the Give4Garnet Geology Field Camp campaign! You helped raise almost \$5,875. Three of our students swept the lead in the Scavenger Hunt raising another \$10,000.

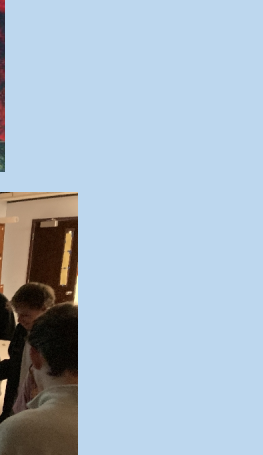
1st (\$5,000) - Jordan Jeffries
2nd (\$3,000) - Laura Doughton
3rd (\$2,000) - Abby Knight

Collectively we raised **\$15,875** for the students.

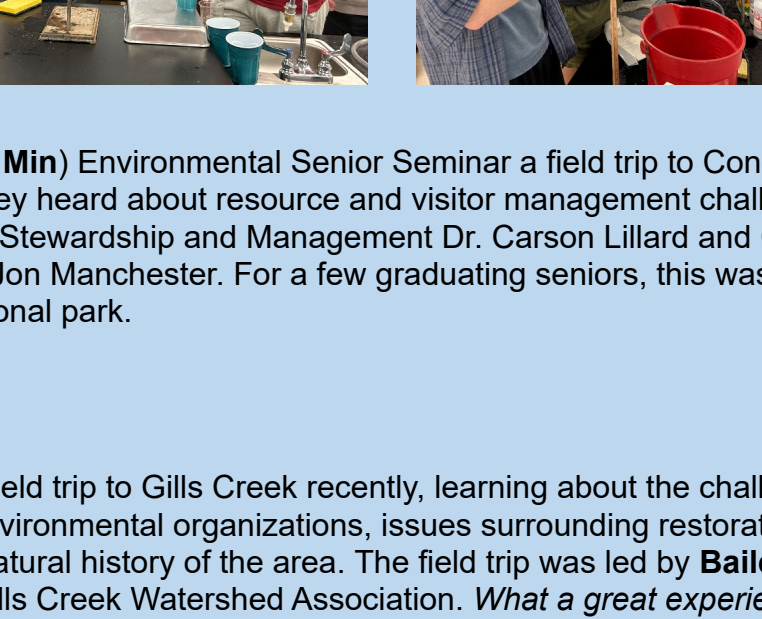
"After 5" Career Series!!

Dr. Joe is hosting an Alumni Career Series!! Come hear from recent SEOE Alums about what they are doing now and how they got there!

4/8 **Emma Sylves-Berry** (ENVR/POLI 2022, U.S. Department of State)
4/15 **Tricia Perez** (MSCI 2015, Offshore Wind Fellow)
Mondays 5pm in EWS 210



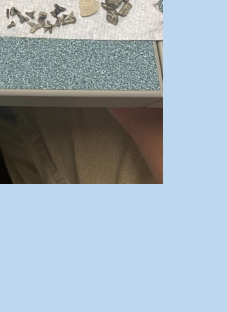
GEOL 355 (Tully and Love-Gawai) Structural geology students completed a gamified mid-semester review session called the "Dungeon of Deformation!". The dungeon was fraught with peril, in the form of progressively harder "bosses" students attempted to defeat by answering questions/completing tasks that were structural geology-related. Congrats to our team leaders earning the most treasure: Team Pinhead (**Anna Gallaway** and **Christina Lamar**), Team Plane (**Jordan Jeffries** and **JP Patella**), and Team Nerf Herders (**Laura Doughton** and **Andy Penninger**). *This looks like some fun, I think the whole department should get in on it!*



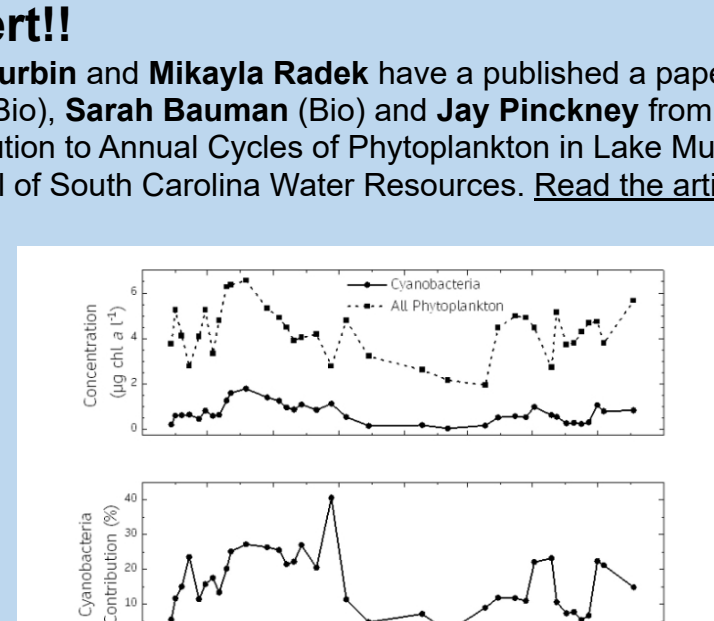
GEOL 315 (Wilson and Martina) Geology students investigated near surface processes using a permeameter to test permeability of different sediments in lab this month!



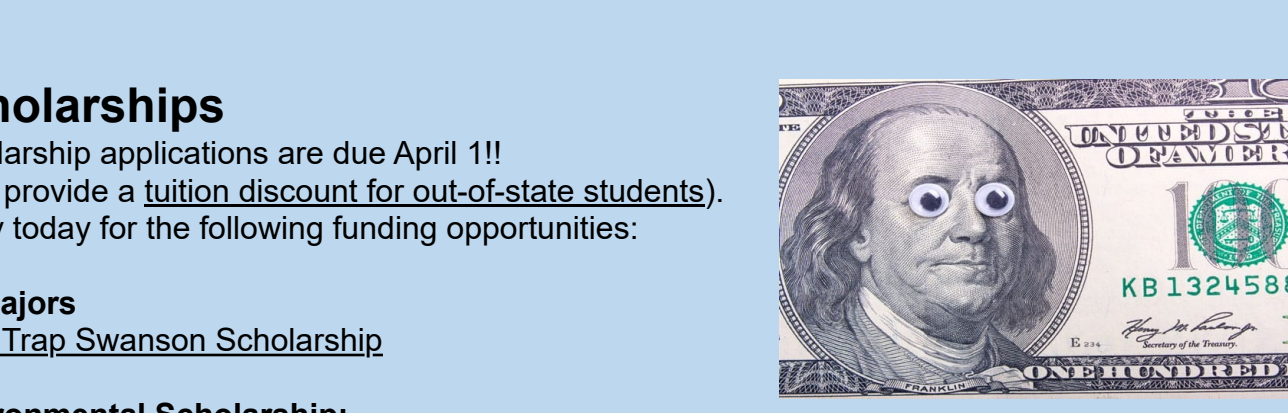
ENVR 480 (Boggs and Min) Environmental Senior Seminar a field trip to Congaree National Park, where they heard about resource and visitor management challenges from Chief of Resource Stewardship and Management Dr. Carson Lillard and Chief of Visitor Management Jon Manchester. For a few graduating seniors, this was their first trip to our local national park.



ENVR 480 also took a field trip to Gills Creek recently, learning about the challenges and benefits of small local non-profit environmental organizations, issues surrounding restoration of Gills Creek specifically and some natural history of the area. The field trip was led by **Bailey Slice Parker**, Executive Director of Gills Creek Watershed Association. *What a great experience!!*

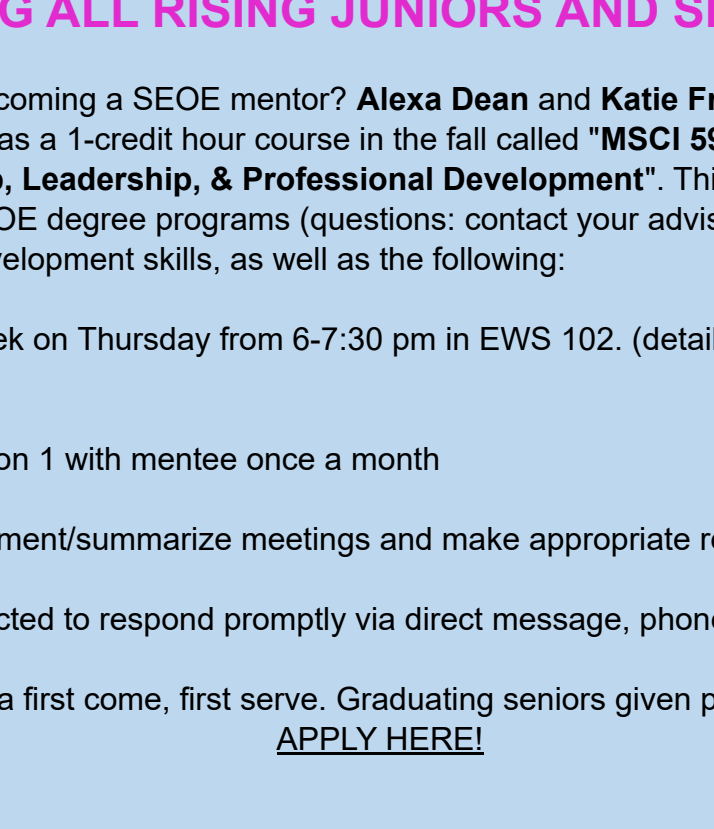


GEOL 305 (Dragovic and Quanrud) took a field trip to Table Rock where students measured and characterized rock folds at two different sites. *Learning about geology rocks!!*



Publication Alert!!

MSCI students **Haley Durbin** and **Mikayla Radek** have published a paper!! Along with co-authors **Catherine Schlenker** (Bio), **Sarah Bauman** (Bio) and **Jay Pinckney** from the EEL Lab. Cyanobacterial Contribution to Annual Cycles of Phytoplankton in Lake Murray, SC is out in this month's issue of Journal of South Carolina Water Resources. [Read the article here.](#) *Way to Go Y'all!!*



Scholarships

Scholarship applications are due April 1!! (May provide a tuition discount for out-of-state students). Apply today for the following funding opportunities:

All Majors

June Trap Swanson Scholarship

Environmental Scholarship:

SEOE Environmental Scholarship

Geology Scholarships:

- Stephen Taber Undergraduate Scholarship
- Gilbert Joseph and Dana Lee Nolet Undergraduate Scholarship
- Dr Mack Gipson Scholarship

Marine Science Scholarships

- SEOE Marine Science Scholarship
- Richard C. Morris Scholarship



CALLING ALL RISING JUNIORS AND SENIORS!

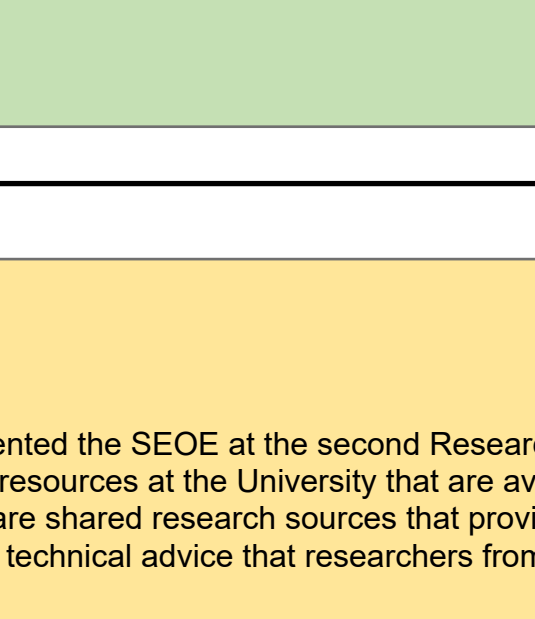
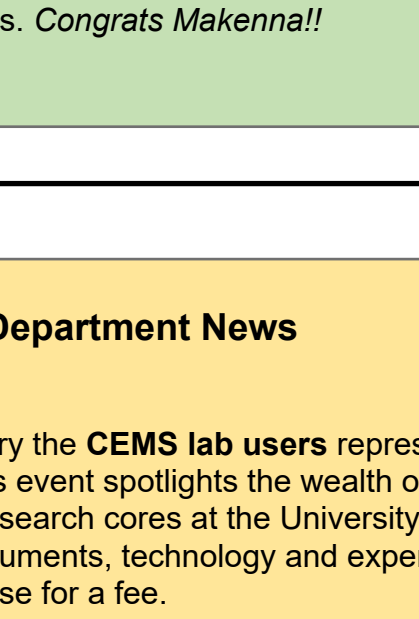
Are you interested in becoming a SEOE mentor? **Alexa Dean** and **Katie Frame** are so excited to be offering this opportunity as a 1-credit hour course in the fall called "**MSCI 599/ENVR 490/GEOL 599: SEOE Peer Mentorship, Leadership, & Professional Development**". This course will count as a major elective for all SEOE degree programs (questions: contact your advisor). Explore SEOE careers, get important career development skills, as well as the following:

- Meet once a week on Thursday from 6-7:30 pm in EWS 102. (detailed schedule to come in syllabus)
- Must attend a 1 on 1 with mentee once a month
- Mentor will document/summarize meetings and make appropriate referrals to USC resources.
- You will be expected to respond promptly via direct message, phone or email to your mentee(s).

This is a first come, first serve. Graduating seniors given priority.
[APPLY HERE!](#)

Graduating Seniors... You're invited!!

****Graduation Celebration****
Friday May, 3rd @2pm in JONES 210



Family and Friends are Welcome. >>[RSVP here](#)<<

INTERNSHIP ALERT!! - Fall 2024 Intern Opportunities

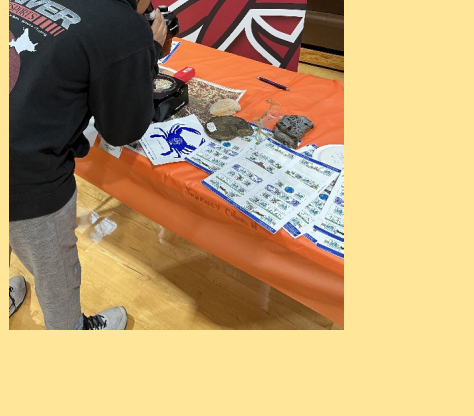
Coastal Science & Engineering (CSE) - 3 credits with PAY. This opportunity is only available to SEOE students.

- Help manage coastal environmental restoration and permitting.
- Get experience in Geology, Marine Science, Environmental applications.
- Apply TODAY!! Deadline April 10th!!

Intern at the Riverbanks Zoo Internship - 4 credits. This opportunity is only available to MSCI students.

- Work 15-20 hours per week.
- Care of animal collection, exhibit cleaning & maintenance, visitor education and engagement.
- Apply TODAY!! Deadline April 10th!!

Still looking for Summer Internships or Opportunities: [Click here](#)



T-Shirt Tote Bag

April 3, 2024
7 pm - 9 pm

Russel House Patio

Zero Waste DIY

T-shirts are provided! Make your own tote bag!

Graduate Office

It's Defense Season!!

Congrats to all our students on there success!!

Paul Ernst successfully defended his dissertation *New Techniques for Studying Ocean Eddy Dynamics in the Arabian Sea and the Gulf of Mexico.* *Congratulations Paul!!*

Victor Ponds (Hardy) defended their thesis on *Housing Buyouts at the Intersection of Flooding and Toxins: A Case Study of Cheraw, South Carolina.* *Way to go Vic!!*

Congratulations to **Will Quanrud** (Leier) on defending his thesis on *Deconvolving Provenance Signatures of Pliocene-Pleistocene Coastal Loess Deposits Along the Atlantic Margin of Argentina.* *Well Done Will!!*

Way to go **Shannon Powers** (Pinckney) on defending a thesis on *Assessing Multi-Annual Phytoplankton Community Compositions and Biomass Across Tidal Creek and Open Water Estuarine Habitats in South Carolina.* *Nice job Shannon!!*

Well done **Em Hoffman** on the defense of their thesis on *Investigating Arctic Ocean Freshwater Content and Circulation in a Changing Climate.* *Congratulations Em!!*

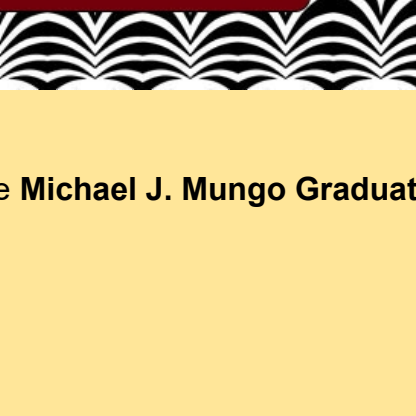
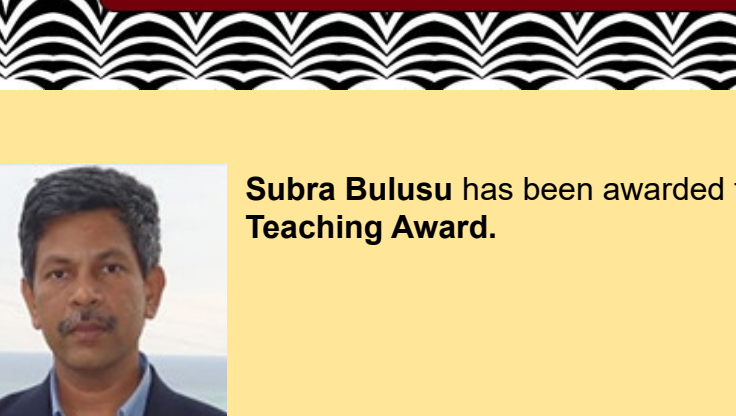
La'Nya Green (Fuente) successfully gave her internship defense on *Applied Projects in Water Equity in South Carolina.* Nya participated in citizen science with Lower Richland High School students, did an internship with SCDHEC looking at PFAS, and so much more. *Great job Nya!!*

Catherine Min (Fuente) defended her thesis on *An Assessment of Drinking Water Equity in South Carolina: Access, Affordability, Quality, and Private Well Resources.* *Way to go Catherine!!*

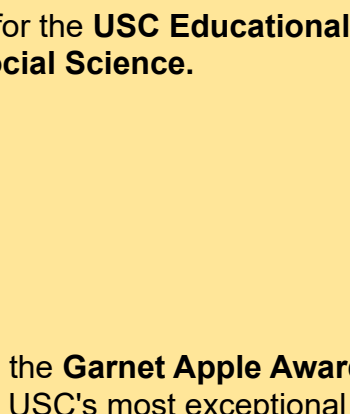
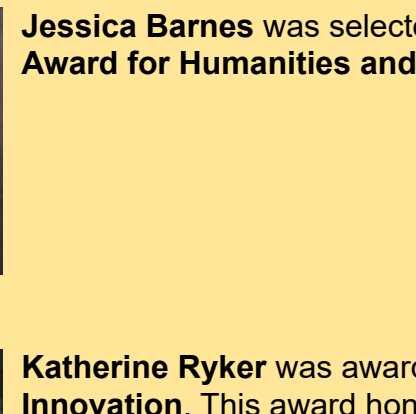
Wohoo to **Makenna Thompson** (Pinckney) on defending her thesis on *Calibration and Use of the Transparency Tube as an Estimate of Turbidity: An Analysis of Factors Controlling Light Attenuation in Estuarine Waters.* *Congrats Makenna!!*

Around the Department News

This past January the **CEMS lab users** represented the SEOE at the second Research Cores fair conference. This event spotlights the wealth of resources at the University that are available to researchers. Research cores at the University are shared research resources that provide access to equipment, instruments, technology and expert technical advice that researchers from any part of the University can use for a fee.



Andrew Leier tabled a Career Day event at Longleaf Middle School, where he educated students on becoming a scientist. Students looked at a larval crab under the microscope, observed climate change through the a cross-section of a tree and observed some ancient events in rocks. He handed out stickers with the SEOE logo and QR code to our website to recruit future students (ask the UG office for more details). *Way to go Andrew!! You Rock!!*



KUDOS!!

Awards:

Subra Bulusu has been awarded the **Michael J. Mungo Graduate Teaching Award.**

Peter Chametzky is the **Russell Research Award winner for Humanities and Social Sciences.**

Jessica Barnes was selected for the **USC Educational Foundation Research Award for Humanities and Social Science.**

Katherine Ryker was awarded the **Garnet Apple Award for Teaching Innovation.** This award honors USC's most exceptional faculty who demonstrate an ongoing commitment to best teaching practices and an ongoing record of developing innovative strategies to enhance student learning in their courses.

Grants:

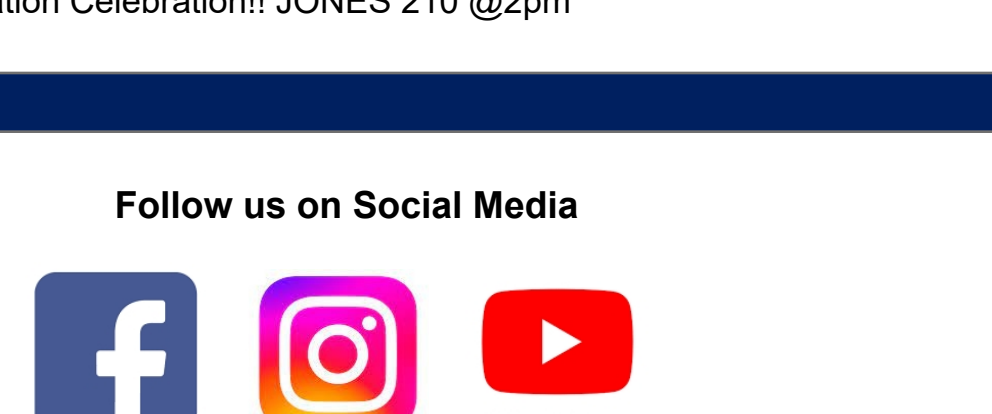
Congratulations to **Carol Boggs** and **Dan Speiser** on receiving funding from **NSF** for their research focusing on Integrating physiological and behavioral ecology: How limited resources and allocation trade-offs impact mate signaling. Together they were awarded \$703,889. *Way to go Carol and Dan!!*

Jessie Barnes received an **NSF** grant for \$144K for her new project on air pollution in London, titled "Geographic and Sociodemographic Variability in Air Pollution Exposure." *Congratulations Jessie!!*

Congrats to **David Fuente** on receiving the **Walker Institute Faculty Research Grant** for his research titled "Adaptation and resilience to drinking water scarcity: Experiences from the Yukon-Kuskokwim Delta of Alaska and Ladakh region of the Indian Himalayas." *Well done David!!*

Presentations

- **Dave Barbeau** presented his work at the Greater Piedmont Chapter of the Explorers Club titled *The Mountains from the Seas: a Detrital Zircon Perspective of Appalachian Mountain Building.* *Way to go Dave!!*
- **Lance Tully** (Ryker/Barbeau), PhD candidate, gave a talk on March 18th, 2024 at the Northeast Regional Geological Society of America Conference entitled - *From Rocks to Resilience: Assessing student perceptions of skill development and personal growth from a traditional geology field camp*



• **David Fuente** gave a presentation at the Society for Benefit Cost Analysis Annual Conference. Fuente, D., Cook, J., Shinha S., Whittington, D. 2024. *Water Tariff Design in the Anthropocene: Eight Problems with the World's Most Popular Water Tariff Structure (Increasing Block Tariffs.* Society for Benefit Cost Analysis Annual Conference – Washington, DC.)

In the News:

• **Erin Meyer-Gutbrod** was featured in an article by The Post and Courier titled "[After boat strike and agonizing decline, endangered right whale calf found dead](#)"

• **Eric Tappa** was quoted in this month's edition of The Daily Gamecock. The article was a piece in the Opinion column discussing the topic "USC needs to make major improvements to its STEM buildings". Pick up your copy today!

Let the department know about the wonderful things you and the people around you are doing!! Is there something/someone you are proud of? Let us know [Kudos Form](#).

Upcoming Events: [click to see the google calendar](#)

April 18th - Awards Day @2pm on the Horseshoe!!
April 18th - SEOE Family Feud Seminar @3pm in EWS 002
April 19th - SEOE Undergraduate Poster Symposium @4pm EWS 2nd floor Hallway
April 22nd - Last day of Classes!!!!
May 3rd - SEOE Graduation Celebration!! JONES 210 @2pm

Follow us on Social Media

