

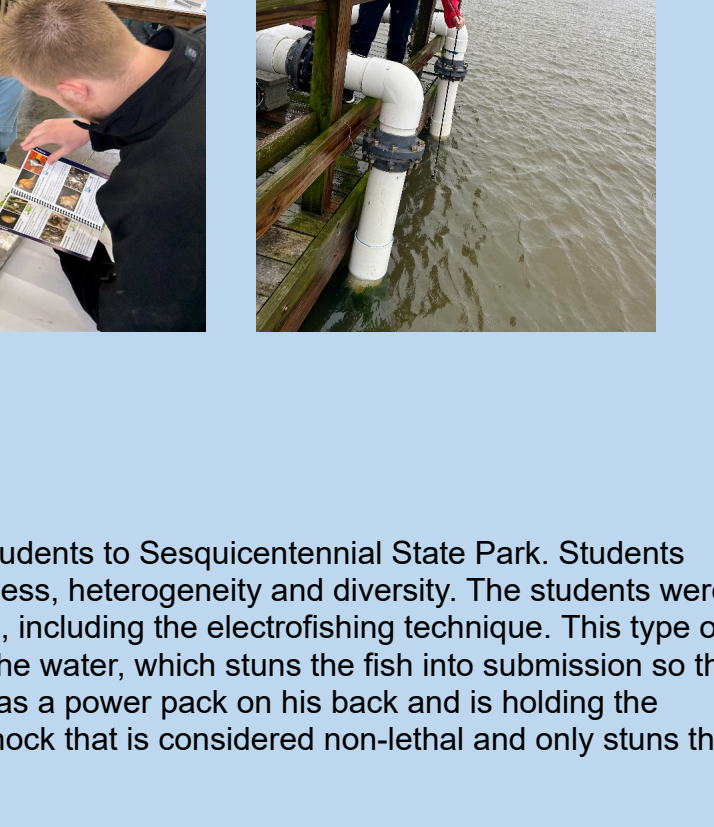
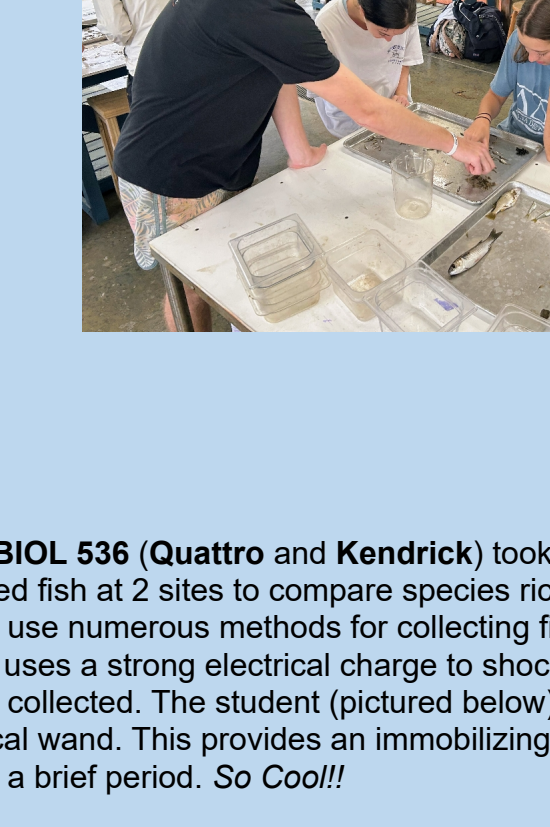
SEOE Newsletter

Term: Spring 2024 | Issue 21

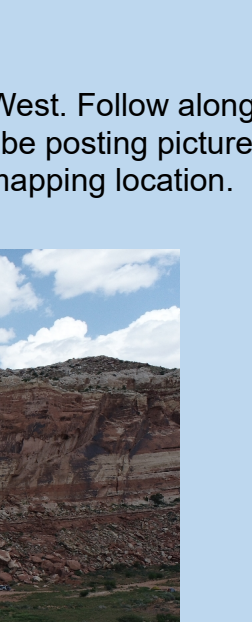
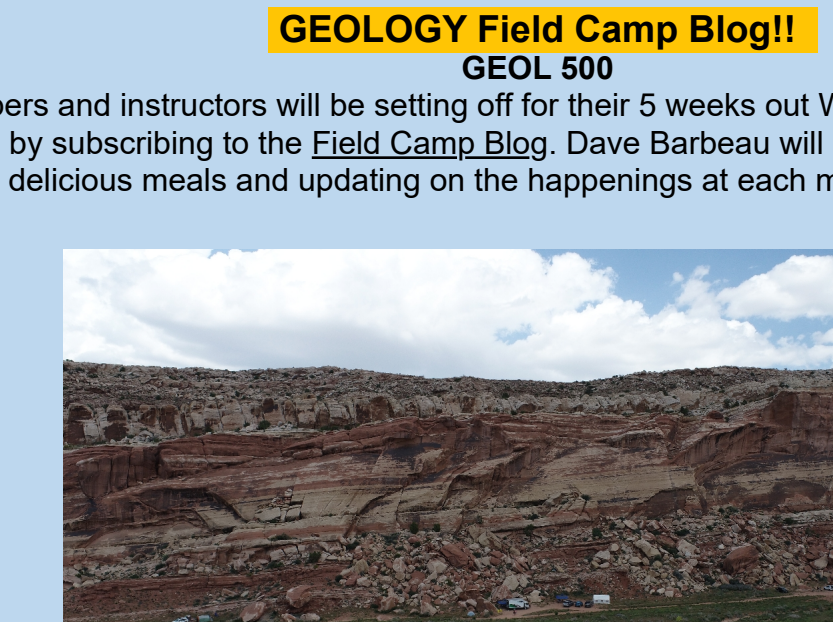
April 2024

Undergraduate Office

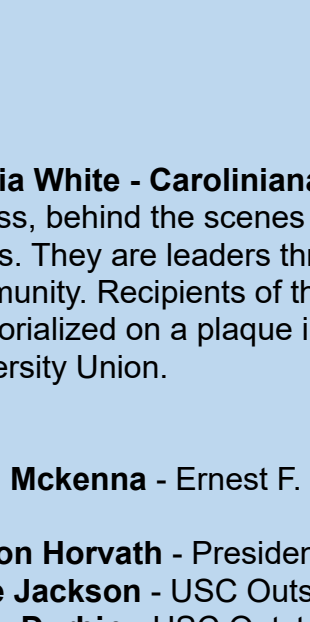
MSCI 102 (Peng, Pinckney, Powers, Thompson, Batchelder, Glovins and Ferguson) took students on a field trip to Georgetown, SC. Students trawled for organisms, conducted depth profiles, conducted zooplankton tows and collected water for phytoplankton. Students spent the next few weeks processing the samples and analyzing the data. *What an amazing experience!!*



MSCI/BIOL 536 (Quattro and Kendrick) took students to Sesquiennial State Park. Students collected fish at 2 sites to compare species richness, heterogeneity and diversity. The students were able to use numerous methods for collecting fish, including the electrofishing technique. This type of fishing uses a strong electrical charge to shock the water, which stuns the fish into submission so they can be collected. The student (pictured below) has a power pack on his back and is holding the electrical wand. This provides an immobilizing shock that is considered non-lethal and only stuns the fish for a brief period. *So Cool!!*

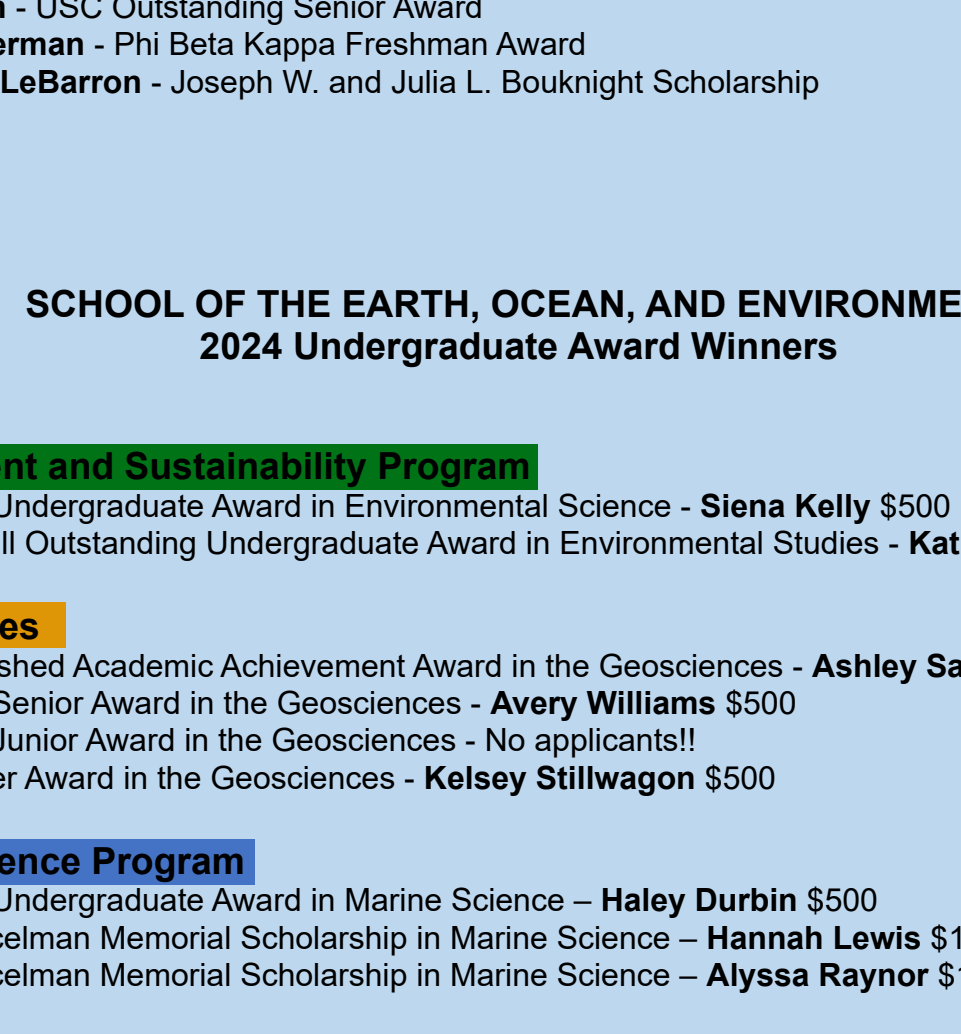


MSCI/BIOL 537 (Leo Rose) Aquaculture took a trip to the Jack D. Bayless Fish Hatchery to watch the process of raising stocks of bass to repopulate the recreational fishing spots throughout the state.



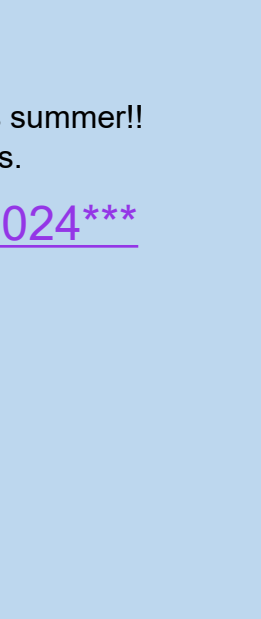
GEOLOGY Field Camp Blog! GEOL 500

The campers and instructors will be setting off for their 5 weeks out West. Follow along on their adventure by subscribing to the [Field Camp Blog](#). Dave Barbeau will be posting pictures of their delicious meals and updating on the happenings at each mapping location.



Undergraduate AWARDS!!!

D'Asia White - Caroliniana Award - recognizes senior undergraduate students who have been the tireless, behind the scenes workers that every successful activity or organization needs. They are leaders through their actions and contributions to the Carolina community. Recipients of the Caroliniana Award will have their name memorialized on a plaque in the Hall of Leaders within the Russell House University Union.



- Liam Mckenna** - Ernest F. Hollings Scholarship
- Peyton Horvath** - President's Award, USC Outstanding Senior Award
- Katie Jackson** - USC Outstanding Senior Award
- Haley Durbin** - USC Outstanding Senior Award
- Greyson Sherman** - Phi Beta Kappa Freshman Award
- Christopher LeBarron** - Joseph W. and Julia L. Bouknight Scholarship

SCHOOL OF THE EARTH, OCEAN, AND ENVIRONMENT 2024 Undergraduate Award Winners

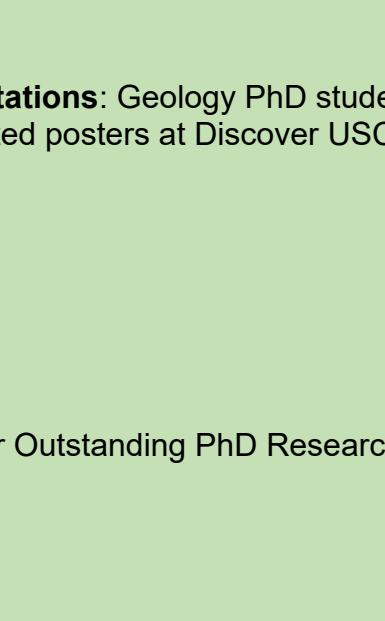
Environment and Sustainability Program
 Outstanding Undergraduate Award in Environmental Science - **Siena Kelly** \$500
 Bruce C. Coull Outstanding Undergraduate Award in Environmental Studies - **Katie Jackson** \$500

Geosciences
 The Distinguished Academic Achievement Award in the Geosciences - **Ashley Sarah Ford** \$500
 Outstanding Senior Award in the Geosciences - **Avery Williams** \$500
 Outstanding Junior Award in the Geosciences - No applicants!!
 Stephen Taber Award in the Geosciences - **Kelsey Stillwagon** \$500

Marine Science Program
 Outstanding Undergraduate Award in Marine Science - **Haley Durbin** \$500
 Traci J. Heincelman Memorial Scholarship in Marine Science - **Hannah Lewis** \$1,000
 Traci J. Heincelman Memorial Scholarship in Marine Science - **Alyssa Raynor** \$1,000

Harris Pastides and Patricia Moore-Pastides Sustainability Award - **Mason Haynes** \$1,000

Class of 2024 Graduates look back on lessons learned at USC



Alexis Yum was chosen among the class of 2024 graduates to share about her time here at USC and what made her Carolina experience special. Read about it [here](#).

Our students are AWESOME!!

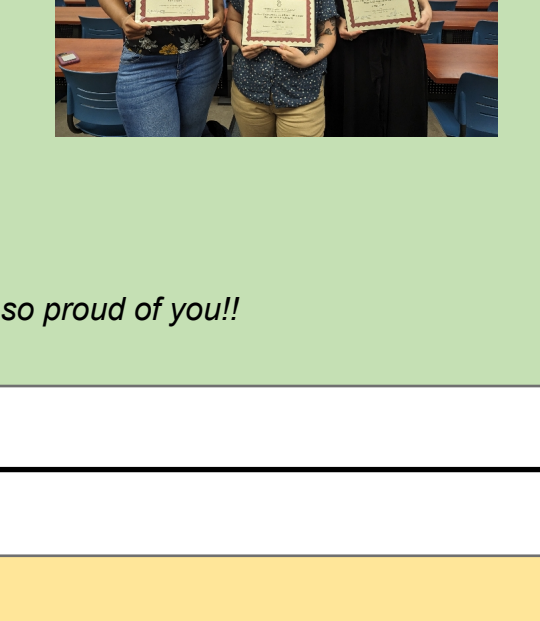
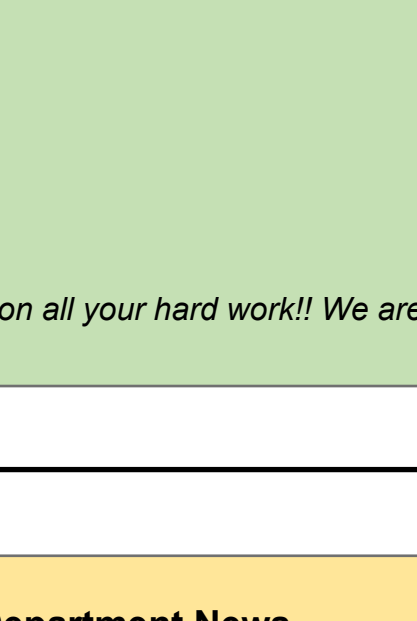
Check out the amazing opportunities our students are experiencing this summer!! Thank you to each and every faculty member who wrote letters.

[***Undergraduate Office "Good News" Spring 2024***](#)

Graduating Seniors... You're invited!!

Graduation Celebration

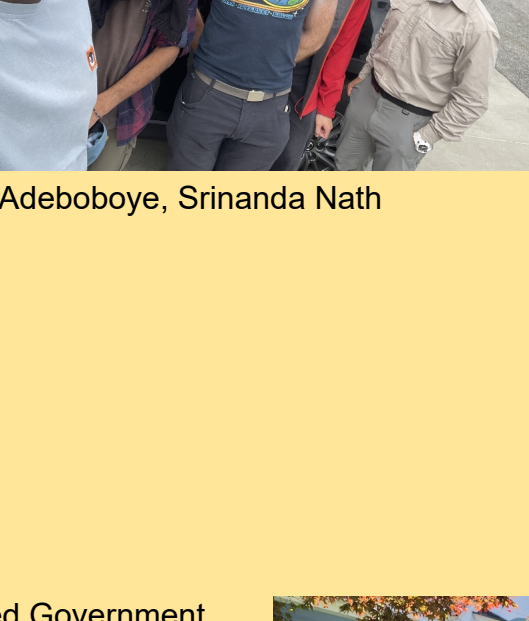
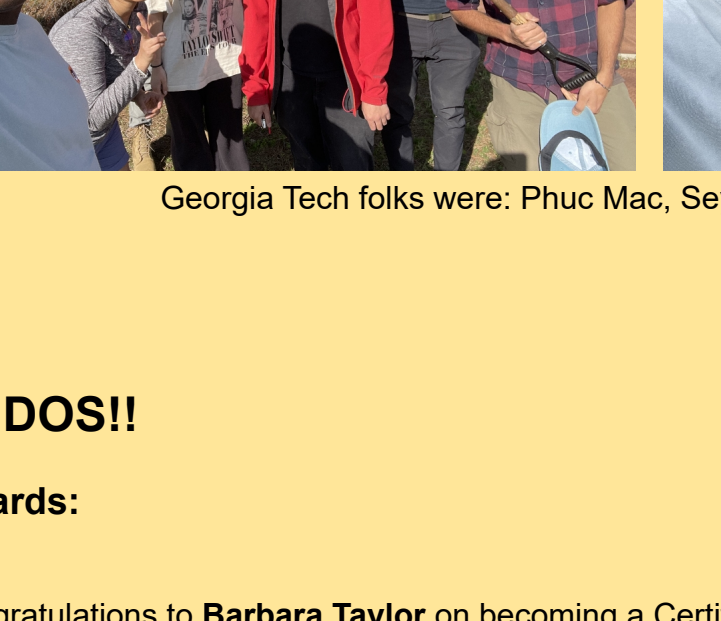
Friday, May 3rd @2pm in JONES 210



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

Graduate Office

Graduate Writing Retreat: 16 graduate students traveled to Baruch this month for a writing retreat, totaling a cumulative 24 hours of focused writing time! When they weren't working hard, they took a boat trip around the marsh, enjoyed the Georgetown beach, and roasted smores at the campfire.



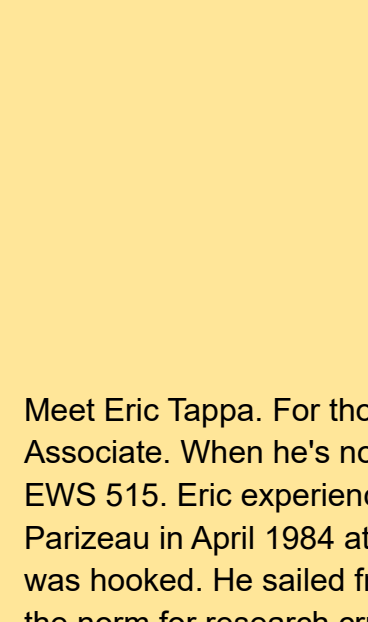
Discover USC Poster presentations: Geology PhD students **Ademar Fernandez** (Frost) and **Lance Tully** (Barbeau) presented posters at Discover USC.

Graduate Awards Ceremony

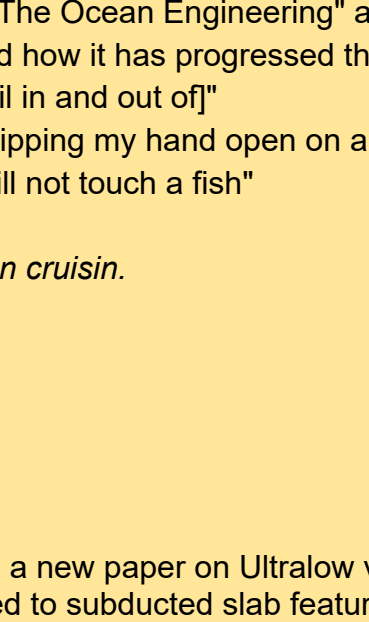
The Stephen F. Taber Award for Outstanding PhD Research in Geological Sciences
Ekaterina Rojas-Kolomits



The Stephen F. Taber Award for Outstanding Teaching in Geological Sciences
Nandana Goswami and Lance Tully

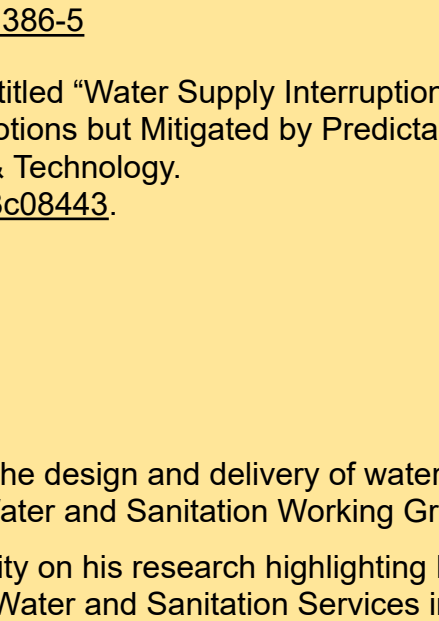


Outstanding Teaching Award in Marine Science
Shannon Powers



Outstanding MEERM Student: Research
Victor Ponds and Catherine Min

Outstanding MEERM Student: Internship
La'Nya Green

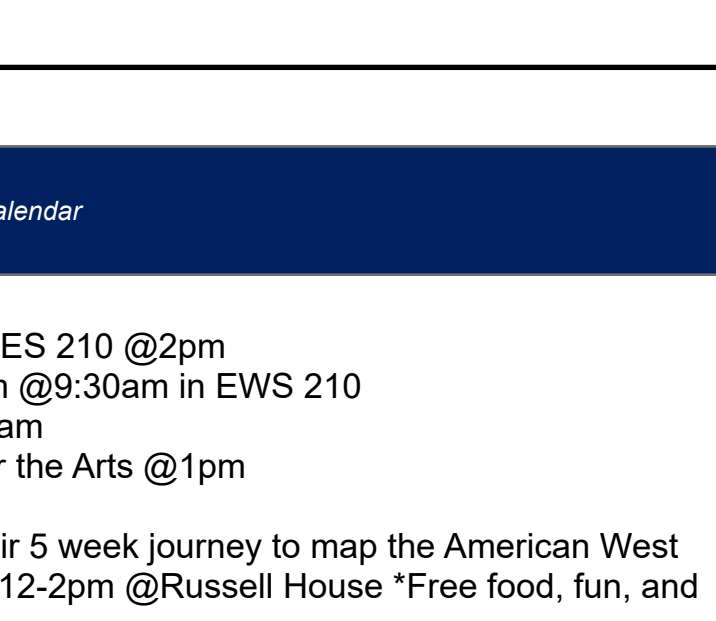


Congratulations on all your hard work!! We are so proud of you!!

Around the Department News

Gene Yagodzinski will be the SEOE interim director for the Fiscal Year of 2024-2025. He will take the appointment beginning July 1, 2024.

USC and Georgia Tech deployed more seismometers around Elgin to measure the still ongoing swarm of earthquakes (now 2.5 years long!) In attendance from USC were: **Ademar Fernandez, Shubham Agrawal, Jada Bollmeyer, Dan Frost**



Georgia Tech folks were: Phuc Mac, Seyi Adeboboye, Srinanda Nath

KUDOS!!

Awards:

Congratulations to **Barbara Taylor** on becoming a Certified Government Finance Officer. *We are so proud of you! Give this woman a raise!!*



Lara Ducate is a guest scholar in the **Engineering Department at the Leipzig University of Applied Sciences** during their summer 2024 semester where she'll be teaching a course and working with other faculty on interdisciplinary projects that focus on sustainability and intercultural exchange. *Congrats Lara!! Looking forward to hearing about your successes on this amazing opportunity!*

Years of Service

Congratulations to our faculty and staff who reached a milestone this year for their loyal and faithful service to the University of South Carolina, as state employees. Each of them were honored with a certificate and pin to commemorate their years of service. *Thank you to each of them for their time and commitment to the University and the SEOE!!*

Ten years
 Jessica Barnes
 Emily Baumann
 Carol Boggs
 Andrew Leier
 Matthew Kimball
 Lori Ziolkowski

20 years
 Scott White

40 years
 Eric Tappa

Eric Tappa - 40 Years and Still Cruisin!!

Meet Eric Tappa. For those of you who don't already know...Eric is a biogeochemist, Research Associate. When he's not traveling the world's oceans, you can usually find him with a cup of coffee in EWS 515. Eric experienced his first cruise 40 years ago, this month. He climbed aboard the CSS (RV) Parizeau in April 1984 at the sprightly age of 24, after receiving his MS in Geology here at USC, and was hooked. He sailed from British Columbia to Ocean Station PAPA, unaware that 20 ft seas is not the norm for research cruises, never-the-less his stomach of steel proved its merit and Eric found his niche. Over the years he has been on >200 cruises, yet hasn't crossed any significant lines of lat or long. He has, however, had many noteworthy cruises, specifically one that included his future wife. Check him out here, explaining a sediment trap for the NSF OOI Expedition Blog.

Bachelor's Degree: Philosophy Economics with a minor in Geology
His Favorite thing about cruises: "The Ocean Engineering" and being amongst the state of the art technology aboard the vessels and how it has progressed through the years. "It's a different world out there." AND "The PLACES [we sail in and out of]"
Notable memory from a cruise: "Ripping my hand open on a dive to retrieve a sediment trap." You may think I'm cool, but... "I will not touch a fish"

Cheers to you, Mr SEOE!! Keep on cruisin.

Publications

- Dan Frost** is a co-author on a new paper on Ultralow velocity zone and deep mantle flow beneath the Himalayas linked to subducted slab featured in Nature Geoscience. Read about it here: <https://doi.org/10.1038/s41561-024-01386-5>
- David Fuente** is a co-author on there work titled "Water Supply Interruptions Are Associated with More Frequent Stressful Behaviors and Emotions but Mitigated by Predictability: A Multisite Study." featured in Environmental Science & Technology. Check it out: <https://doi.org/10.1021/acs.est.3c08443>.

Presentations

- David Fuente** presented his research on "The design and delivery of water and sanitation assistance programs" to the Alaska Rural Water and Sanitation Working Group.
- David Fuente** presented to Cornell University on his research highlighting Financing the Transition to Safe, Equitable, and Resilient Water and Sanitation Services in Africa.
- Dan Frost** gave a talk on the earthquakes in Elgin to the Carolinas chapter of the Earthquake Engineering Research Institute

In the News:

- Dan Frost's** research from his recent paper was featured in an article by Yale University published on Phys.org titled "Researchers discover ultra-low velocity zone beneath the Himalayas". *Yay Dan!!*
- Neal Woods** was quoted in an Inside Climate News article titled "With States Leading on Climate Policy, New Tools Peer Into Lobbying 'Black Box'"

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](#)

- May 1st** - Reece Hammond's Thesis Defense
- May 3rd** - SEOE Graduation Celebration!! JONES 210 @2pm
- May 3rd** - Abby Kreuser's PhD Qualifying Exam @9:30am in EWS 210
- May 4th** - CAS Commencement in CLA @9:30am
- May 4th** - Doctoral Hooding in Koger Center for the Arts @1pm
- May 6th** - SEOE Party at Green Quad @4pm
- May 7th** - Geology Field Camp embarks on their 5 week journey to map the American West
- May 14th** - Staff Appreciation and Awards Day 12-2pm @Russell House *Free food, fun, and prizes

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