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A glimpse into the lives and careers of oceanography graduates. Where are they now?

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Mark your calendars!



Dennis Wise / University of Washington



A MESSAGE FROM OUR DIRECTOR

Welcome to this inaugural student newsletter. In these pages, you will learn more about our school and some of the myriad ways that we contribute to a deeper understanding of the ocean. This initiative is led by Robin McLachlan, Brendan Philip, Hannah Glover, Angie Boysen, Max Showalter, and the entire ARGO club. I welcome their enthusiasm and drive; it is truly our students that make being part of the Oceanography community at UW so wonderful. So anchor's up, and remember that you are not merely a wave, you are a part of the ocean. -Rick Keil



Alumni Q&A



MICHELLE WEIRATHMUELLER



Degree: PhD from UW Oceanography MG&G (2016)

Job: Project Scientist at JASCO Applied Sciences

How would you describe your job?

I write and run code for underwater acoustic modeling, I put the results into reports, and I develop software for animal movement modeling. I also create various visualizations and technical illustrations for reports, marketing, and outreach/education.

What do you like about your job?

I'm learning a lot of skills that are complementary to what I did in grad school and some skills that are totally different (like communicating with clients, getting familiar with industry-specific regulations).

Do you have tips for current students?

Figure out what's out there! Reach out to former grad students who work at companies you're interested in.



ASHLEY MALONEY

Degree: PhD from UW Chemical Oceanography (2018)

Job: Hess Postdoctoral Research Fellow, Princeton University

How would you describe your job?

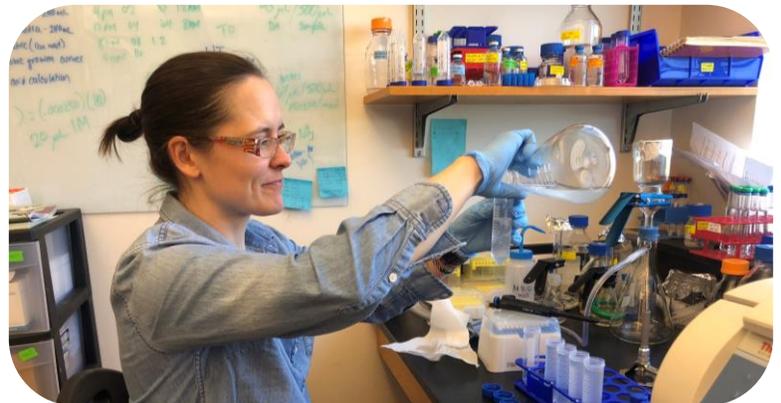
Research!, writing papers/grants, so many meetings, lab work, field work, service (organize weekly dept seminar, review papers), mentoring.

What do you like about your job?

Support and freedom to study new, risky, and exciting research topics.

How is it different from grad school?

Although there is plenty of healthy pressure to be productive (from myself), it is so nice to not be constantly tested by faculty, the pressure that goes along with being a student can be really rough.



Ashley's tips for current students:

- 1 Make paper writing your #1 work priority.
- 2 Keep a list of exciting, even crazy, ideas that you can visit when it comes time to write proposals.
- 3 Mental health needs to be as important to you as eating, sleeping, and exercise, all of which should be priorities over work.
- 4 Try to meet with as many visiting scientists as you can to practice talking to new people in preparation for job interviews.



Degree: BS from UW Oceanography - Marine Technology (2017)

Job: Hydrographic Data Analyst with ERT Inc., contracting for NOAA's Office of Coast Survey at the Atlantic Hydrographic Branch in Norfolk, VA

How would you describe your job?

Every day is a little different, which it keeps it fun and interesting. My main job, when in the office, is data quality control and analysis to insure incoming data is of sufficient quality to update our nautical charts. I also go to sea, and when I'm on the ship I work with the survey department to acquire this data, process it, and prepare it for submission to the branch.



Another important aspect of my work is that I have been deployed for hurricane responses twice. I responded to Hurricane Maria in 2017 in Puerto Rico and Hurricane Michael in 2018 in Panama City, FL. Hurricane response is a very challenging, yet rewarding part of what I do. It is fast paced and demanding. We work long days and even longer nights to ensure the safety of navigation in affected ports.

What do you like about your job?

There are many things that I like about my job, but going to sea is probably the highlight. I like working in the office as well as going to sea because I get to come home after a few weeks of working on the ship. I don't think I could handle working on the ship for 5-8 months out of the year. I also appreciate that my work varies and I am not doing the same thing all the time.

Julia's tips for current students:

- 1 Go to conferences! Many conferences have funding to help students attend. Conferences shaped so much of my last two years of undergrad and the networking I did was crucial for me to get my job.
- 2 Networking! It really is everything when it comes to getting a job in the "real world." I don't think I would have gotten this job had it not been for connections I made with professionals in the field.
- 3 Be willing to try new things and go outside of your comfort zone. I was not sure that I would like hydrography when I first started but I gave it a shot anyway and fell in love with it!
- 4 Put effort into your senior thesis. The project can be such an important learning experience, and mine gave me some of the hands-on experience I needed in order to be successful at NOAA.

Field Notes

THE SOLOMON LAB EXPLORED THE HIKURANGI SUBDUCTION ZONE

Dr. Evan Solomon's lab is fresh off a 35-day cruise in New Zealand onboard the R/V *Revelle*. Their goal was to study the response of fluid flow along faults during slow slip cycles along the Hikurangi Subduction Zone.

During the cruise, seafloor seeps were identified using multibeam sonar and investigated using gravity cores, heat flow probes, and submersible dives using the remotely operated vehicle Jason. In all, the team deployed 16 seafloor fluid flow rate meters, took 107 cores, completed 15 Jason dives, collected 871 pore water samples, performed 16 heat flow deployments, and celebrated 10 birthdays.

- Brendan Philip



AN OCEAN OF GRADIENTS TO BE STUDIED

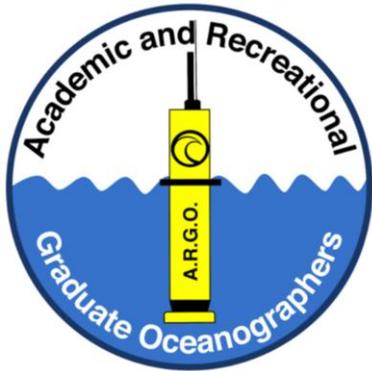


biological processes taking place in the transition between the subpolar gyre and subtropical gyre. This transition zone is a hotspot of productivity and export, and we hope to understand how the microbial communities across this region are influenced by and adapted to the changing supply of nutrients.

With eight huskies on board (Ginger Armbrust, Bryn Durham, Ryan Groussman, and Annette Hynes from the Armbrust lab; Angie Boysen and Katherine Heal from the Ingalls lab; Randie Bundy and Jiwoon Park from the Bundy lab), UW has the largest (and certainly most fun!) contingent. Collaborators from UH, OSU, USC, UCSC, MIT, and Technion round out our team.

This April, three UW Oceanography labs headed to sea for a 3-week cruise in the North Pacific as part of the Gradients program led by Chief Scientist Ginger Armbrust. This was the third leg of a multi-year project, with previous cruises in 2016 and 2017. Departing on the R/V Kilo Moana from Honolulu, we headed north until we reached the North Pacific Subpolar Gyre. This is a region with dramatic physical, chemical, and biological gradients, so underway data streams and near real-time satellite products let us pinpoint where to stop the ship and conduct our intense diel (aka around the clock) sampling efforts. Our goal was to study the

-Angie Boysen



ACADEMIC AND RECREATIONAL GRADUATE OCEANOGRAPHERS (ARGO)

ARGO is a means for graduate students in Oceanography to support one another and provide resources to further mental/physical health, educational, and career goals. The group serves as a recreational organization, providing a space for members to connect with one another outside of their academic work. ARGO also provides structure and continuity to the activities of the Oceanography graduate student body.



SOCIETY FOR WOMEN IN MARINE SCIENCE (SWMS)

The Seattle chapter of SWMS connects marine scientists across career stages at the various institutions involved in marine science around Seattle, including the University of Washington, APL, NOAA, and PNNL. In addition to gatherings to meet and socialize with other women marine scientists, Seattle SWMS hosts “Swimming Lessons: Stories of Women in Marine Science,” where senior women scientists are invited to share their journey with science and lessons they have learned.



SEATALK

SEATALK is a series of open-group meetings held once per quarter, to build community among those going in the field/to sea, to get us talking about the tricky issues we can face in isolated places, and to brainstorm and learn from each other about skills in dealing with them. Everyone is welcome to join - discussions may have a marine slant, but the experiences we share are common whether on ships, in camps, or in other field research environments.



STUDENT OCEANOGRAPHIC SOCIETY (SOS)

SOS is a student run organization created to promote, inform, and improve both undergraduate and graduate education in oceanography. Membership is open to any University of Washington student regardless of their academic plan of study. Monthly meetings involve guest speakers and group activities.



Upcoming Events

AQUATIC SCIENCES OPEN HOUSE - MAY 4, 2019

On Saturday May 4, from 2-5 pm, we will open the doors of our Ocean Sciences Building and the Fisheries Sciences Building to the general public for the Aquatic Sciences Open House. This event is co-hosted by Oceanography and SAFS. There will be prizes, snacks, and tours of our new R/V Rachel Carson!

This is a wonderful opportunity to connect with the community. We will offer small group tours of labs, engage the public with our research through scientific games and hands-on activities, and let visitors try on gear and touch equipment. Remember to save the date, and we hope to see you there!



GRADUATE STUDENT AND POST DOC SYMPOSIUM - MAY 30-31, 2019

From May 30-31, ARGO will host the first ever (or at least first in living memory) Oceanography Symposium! We hope to build community, both socially and academically, by finding common ground across disciplines and years.

To that end, sessions will revolve around big-picture themes rather than options. We hope you will join us for a symposium of standard talks, lightning talks, field talks, poster sessions, and even an oceanographer's art gallery!

Do you have ideas for what and/or who should be included in the next UW Oceanography Newsletter, coming out in Fall 2019? If so, please send your suggestions to Robin McLachlan (mclachlan.rl@gmail.com). To keep updated and involved in the meantime, follow the school on twitter @UWOcean.