



Community Updates

Remembering Linda Goad



We were saddened to learn in late 2023 that long-time UNOLS community supporter, scientist, Marine Superintendent, and NSF Program Manager, Linda Goad, passed away on 8 November 2023. Linda was born in Detroit, Michigan. She graduated with a Bachelor of Science degree from Wayne State University in Biological Sciences in 1970 and continued her studies by pursuing a PhD in science at Lehman College in New York City, where she received her Doctorate Degree in 1974. Upon graduation, she moved back to her hometown. The major subjects of Linda's research involved morphometric, physiological, and ecological studies of Great Lakes phytoplankton. While at the University of Michigan, she published more than 30 publications in research journals and book chapters. Additionally, she took on the responsibilities of the Marine Superintendent for ship operations of the center's research vessel, the Laurentian. Along with operational duties, she worked tirelessly to ensure the reoccurring support from granting agencies like NSF. She enjoyed organizing and participating in public outreach and enrichment programs for primary and secondary teachers and students. Linda facilitated this with the help of the Laurentian ship crew, graduate students, and colleagues by scheduling ship time, allowing the students to observe and participate in research activities. In 2000, Linda was recruited and accepted a position at NSF in the Division of Ocean Sciences as Program Manager for Marine Facilities. She supported the ship operations for the oceanographic facilities programs, which coordinated ship operations for both marine and freshwater research facilities funded by NSF. Linda continued in this role until her retirement in 2011. Linda will be remembered not only for her intellect, but also the warmth and love she brought into the lives of those fortunate enough to know her. Please see her [obituary](#) for more information.

Arctic Early Career Chief Scientist Training Opportunity

Are you an early career polar scientist needing to gain experience requesting, planning, and executing large-scale vessel surveys in the

Featured Photo



Haida Gwaii Moon Light, the third place photo from the 2023 Lamont *Waves of Discovery* Photo Contest taken on the R/V Marcus G. Langseth. Photo credit: **Cody W. Bahlau**, Science Officer, Lamont-Doherty Earth Observatory.

Upcoming Events

[DeSSC New User Workshop](#)

17 Feb 2024
Loyola University
New Orleans, LA

[Annual DeSSC Community Meeting](#)

18 Feb 2024
Loyola University
New Orleans, LA

[UNOLS 2025 Ship Scheduling Kick-Off Meeting](#)

20 - 21 Mar 2024
LUMCON
Houma, LA

[2024 Spring Council Meeting](#)

16 - 17 Apr 2024
SCRIPPS
La Jolla, CA

[2024 Safety Committee Meeting](#)

30 Apr 2024
COVE
Halifax, Nova Scotia

[2024 Annual RVOC Meeting](#)

01-02 May 2024
Westin Nova Scotian
Halifax, Nova Scotia

Did you know...

The Marine Facilities Planning (MFP) program has a handy mapping tool (the Research Planner Module) to help you plan your cruise? Go to www.mfp.us and request an account. This is great for getting estimates for proposals and also for more detailed cruise planning.



From the Editor

Thank you to all who contributed information and articles for this issue of UNOLS News. Articles are always welcome and encouraged. Copy, links, or images and questions can be submitted by e-mail to media@unols.org.

Arctic? If so, please consider applying for the 2024 "Arctic Icebreaker Coordinating Committee/University National Oceanographic Laboratory System (AICC/UNOLS) Arctic Chief Scientist Training Cruise" program. This program involves a series of informational and pre-cruise planning meetings that will be held virtually from March through June 2024, a 2-day pre-cruise orientation meeting just prior to the cruise, and a 10-15 day Northwest Passage transit onboard the United States Coast Guard Cutter (USCGC) HEALY in August 2024. Those interested in participating in this amazing opportunity should visit <https://blogs.oregonstate.edu/arcticcruise2024/> for additional information on how to apply.

Congratulations to Sarah Sergent for Completing the UNOLS-MATE Marine Technical Long-term Internship!



Photo courtesy of Sarah Sergent

Sarah graduated last year from Northwestern Michigan College with a degree in Marine Technology. In 2022, she completed a six-week (short-term) MATE Internship hosted by Woods Hole Oceanographic Institution National Deep Submergence Facility working with the Jason ROV Team on the R/V Thompson. In 2023, she was offered the long-term MATE Internship. She once again provided technical support for the Jason Team on board the R/V Thompson during the first three months, and then completed an additional three months at the WHOI facility assisting with the overhaul of the Jason ROV. During her at-sea portion, Sarah worked in the engineering/copilot position, helping support the pilot while observing and maintaining all of Jason's hydraulic and pressure systems, operated the winch, was in charge of tether management during the dives, worked on deck during deployment and recovery, as well as serviced, diagnosed, and repaired issues that arose with the ROV. Her land-based portion of the internship was spent at Woods Hole, Massachusetts, where she helped tear down the ROV for the first half of the maintenance period. Her time there was also spent servicing the ROV, fabricating and installing new mounts, refinishing control van flooring and supports, completing inventory and organizing the tool and rigging vans, and helping complete tasks needed to perform dye testing on the structural lift points of the ROV. Throughout her internships, Sarah was focused, enthusiastic and took full advantage of every learning opportunity. Always with a positive attitude, she has proven to be a competent and valuable team player. It's not surprising that at the end of her long-term internship, she was invited to work for WHOI to finish rebuilding the Jason ROV, and return to sea where the new refurbished vehicle will be deployed during various cruises throughout the coming year. Sarah is now operating with near or full autonomy as a Marine Technician and is well on her way to a new, promising and rewarding career. *Fair winds, Sarah!*

SPONSORS





Photo courtesy of Sarah Sergent

RVSS Appendix A and B Training

The UNOLS Office hosted RVSS Appendix A and B training in Woods Hole January 17th and 18th. The last time this training was conducted was 2016, and the excitement was evident with more than 100 people in attendance either in person or virtually. Included in the training were two demos in the UNOLS Wire Pool: .322 wire termination and .322 wire break test. This was also a great networking opportunity with ARF ship's crew members, operators, marine techs, and staff. In addition, there were attendees from outside the Fleet to include representatives from the US Antarctic Program, USGS, US Coast Guard, S.E.A. Program, Schmidt Ocean Institute, and Ocean Exploration Trust. The UNOLS office hopes to offer this training more often and is determining a good timeframe. Special thanks to the instructors Ted Colburn (JMS), Rick Trask (UNOLS East Coast Wire Pool), Andrea Harvey (UNOLS East Coast Wire Pool), Aaron Davis (UNOLS West Coast Winch Pool), Jeff Garrett (UNOLS Safety Committee), Josh Eaton (UNOLS East Coast Winch Pool), and demos conducted by Barb Callahan and Ellen Roosen (UNOLS East Coast Wire Pool).

UNOLS Cruise of Opportunity Program

Are you a Chief Scientist on a cruise in 2024 that has an open berth (or two)? Or a student or early career researcher (ECR) looking to gain more experience at sea? Check out the [UNOLS Cruise of Opportunity program](#). The primary goal of the UNOLS Cruise Opportunity Program is to provide oceanographic research students/ECRs with the opportunity to participate in a research cruise. The participant will be a member of the scientific party and be involved in data collection and all other activities at sea. It is envisioned that the individual will be familiar with the science to be conducted at sea, and thus, form new collaborations and potentially develop new research directions. To be eligible to participate in this program, the individual must be either currently be studying at a U.S.-based institution or a recent graduate, and must have either a U.S. Passport or a U.S. Work Visa. The Chief Scientist chooses the participant through an application process. This provides a win-win situation where the Chief Scientist can get more help on a cruise and the student/ECR get more time at sea. Please see the [webpage](#) for more information.

Committee News

Departing Members

Thank you so much to the following individuals for their contributions to the UNOLS community:

- Elisabeth Sikes / Rutgers / Council
- Maureen Conte / BIOS / Council

New Committee Members

All of our committees are staffed by volunteers and we are grateful for their contributions of time and experience. We would like to extend a warm welcome to our newest committee members:

- Christine Wiederhol / Texas A&M / Council
- Kathryn Schreiner / UMinn-Duluth / Council

UNOLS Committees hosting town halls at the Ocean Sciences Meeting 2024 in New Orleans

The UNOLS community will be very active at the 2024 Ocean Science Meeting with the UNOLS committees sponsoring a number of Town Halls. Come support the committees and participate!

- **Resources Available Through the UNOLS Community and How to Gain Access to Them**
When: Wednesday, 21 February 2024: 12:45 - 13:45 CST
Where: Room: 225-227, Second Floor
- **Increasing Accessibility to the Deep Sea Through the Acquisition of a Medium ROV for Regional ARF Vessels**
When: Friday, 23 February 2024: 12:45 - 13:45 CST
Where: Room: 215-216, Second Floor
- **Connecting Early-Career Deep-Sea Professionals with Opportunities for Training and Networking**
When: Monday, 19 February 2024: 11:45 - 12:45 CST
Where: Room: 210, Second Floor
- **Expanding the Reach of the Research Fleet: Autonomous Airborne Systems in Support of Ocean Sciences**
When: Monday, 19 February 2024: 12:45 - 13:45 CST
Where: Room: 225-227, Second Floor
- **Best practices for successful gender-diverse field expeditions**
When: Friday, 23 February 2024: 11:45 - 12:45 CST
Where: Room: 220-222, Second Floor

AICC Winter Meeting

The AICC held its annual winter meeting at USCG Base Seattle 9-10 January 2024. During the well-attended meeting, updates on 2023 operations and plans for 2024 and beyond were presented and reviewed for USCGC HEALY, R/V Sikuliaq and the future USCG icebreaker fleet along with an update on NSF's Antarctic Research Vessel Project. Considerable discussion centered around the development of science mission requirements for the future USCG Arctic surface capability (i.e. icebreaker(s)). With federal funding agency support, UNOLS is looking ahead to coordinating the effort to develop the SMRs with support from the UNOLS community. Keep an eye out for more on this in the near future!

Fleet Highlights

R/V Atlantis Calibration and Tech Training Cruise

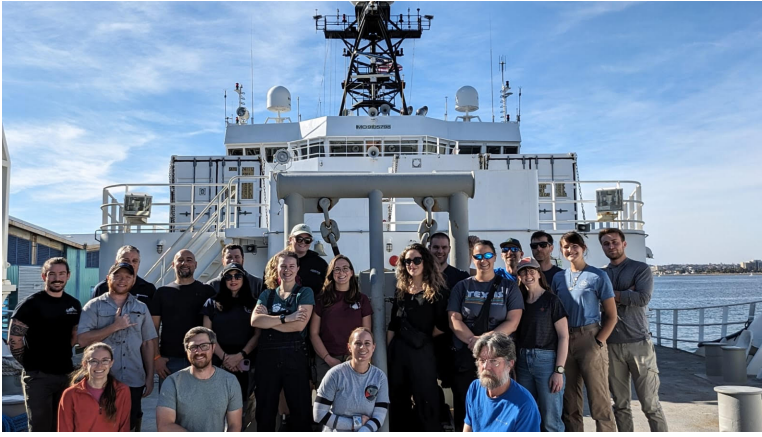


Photo credit: Finn Morrison from WHOI

Earlier in January, WHOI Shipboard Scientific Services Group (SSSG) hosted 26 marine technicians from 9 different institutions for an instrumentation calibration and training cruise. During the cruise, the technicians calibrated and received training on the CTD, USBL and beacons and the EK80. Specialists from Sonardyne and Kongsberg provided hands-on training. Technicians also shared best practices for various other operations including dredging, underway seawater, cybersecurity, USBL, MISO/MC400, core/rock sample processing and repositories, rapid response research and fiber termination. This was a great way to ensure that the ship's sensors are routinely calibrated while also training one of our biggest assets, the shipboard marine technicians. Many thanks to the NSF and ONR for providing this opportunity and to the WHOI SSSG group and the crew of the R/V Atlantis for all of the coordination.

RCRV Program Update

Considerable progress continues on the Regional Class Research Vessel construction program in Houma, LA under the oversight of Oregon State University. Cabling installation, outfitting and piping system flushing of R/V Taani continues at a steady pace. R/V Narragansett Dawn's hull is coming together while the its superstructure is nearly ready to install on top. And R/V Gilbert R Mason is really starting to take shape as its hull modules are starting to come together. After completion of a major schedule and progress review by the shipbuilder, Bollinger, the contractual delivery date for R/V Taani is now set for October 2024. The program expects the first two ships to be docked in their home ports next year with the third one arriving shortly thereafter.

Featured Ship



Photo credit: Brian S. Agee, Marine Science Technician II
Todd Jensvold, Science Officer

R/V Marcus G. Langseth

Name: R/V Marcus G. Langseth

Year Built: 1991

Place Built: Ulstein (Norway)

Original Name: Western Legend (owned by Western Geco)

Purchased: 2004, Start of ARF Operations 2007

Science Berthing: 35

Crew Berthing: 20

Current Owner: Trustees of Columbia University in the City of New York

Operator: Lamont-Doherty Earth Observatory of Columbia University

Class of Vessel: Global Class

In the early days of the Langseth being a ARF vessel it was tasked with a seismic survey in Chukchi Borderlands in the Arctic in 2011 with Bernie Coakley from U. Alaska. The Langseth is not a ice-strengthened vessel and had spent most of its working life in industry in SE Asia in much warmer weather. So the vessel wasn't particularly suited to cold weather operations but Jim Holik assured us it would be fine. It turned out to be one of the lowest ice years in recent records and we managed to do an amazing 5200km of gridded seismic survey that took Langseth up to as high 76N. Managed to do all but a small fraction of desired survey.

More recently, the LDEO Directorate held a photo contest about the Langseth this year with first prize becoming LDEO Christmas Card. Over 200 entries and they'll be an exhibit of the top 25 next year. The photo below entitled *Life Ring Rainbow* won first prize and the photo above called *A view of the seismic source array and R/V Marcus G Langseth* won second place. *Congratulations to the winners!*



Photo credit: **Christina DeLorenzi**, Chief Steward, R/V Marcus G. Langseth.



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