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EOS in the News

[Student-Led Project Examines Sun's Corona During Total Eclipse](#)

A team of physics students led by Brianna Isola, a Ph.D. candidate in our Space Science Center, gathered vital data about the sun's corona as part of the Citizen CATE 2024 project.



[10 Ways UNH is Helping to Save the Earth](#)

Every day is Earth Day for EOS researchers, and a few of them are highlighted in this UNH roundup.



[Wetland Restoration Falls Short of Fixing Gulf of Mexico Dead Zone](#)

Research by Shan Zuidema from our Earth Systems Research Center finds that existing efforts miss the nutrient reduction targets.



Out of this World Whelk Eggs

Elizabeth Fairchild from the School of Marine Science and Ocean Engineering examines the impact of rising water temperatures on channeled whelk reproduction.



[Warming Trends Means Visitors to N.H. Compete for Fewer Snow-Covered Days](#)

Elizabeth Burakowski from our Earth Systems Research Center participated in the Mount Washington Backcountry Ski Festival, where she spoke about 'solastalgia' – a form of emotional distress caused by environmental change.



Kudos and Congrats

We'd like to recognize [Easton White](#), UNH assistant professor of biological sciences, who has been named to the United Nation's World Ocean Assessment Working Group! Congrats, Easton!

At the meeting of the High Energy Astrophysics Division of the American Astronomical Society in Horseshoe Bay, TX, Karla Oñate Melecio, a Ph.D. candidate in our Space Science Center, won the award for best grad student poster presentation. Karla's poster was entitled "Balloon Test Flight of an Improved Gamma-Ray Polarimeter Experiment (GRAPE)." Congrats, Karla!

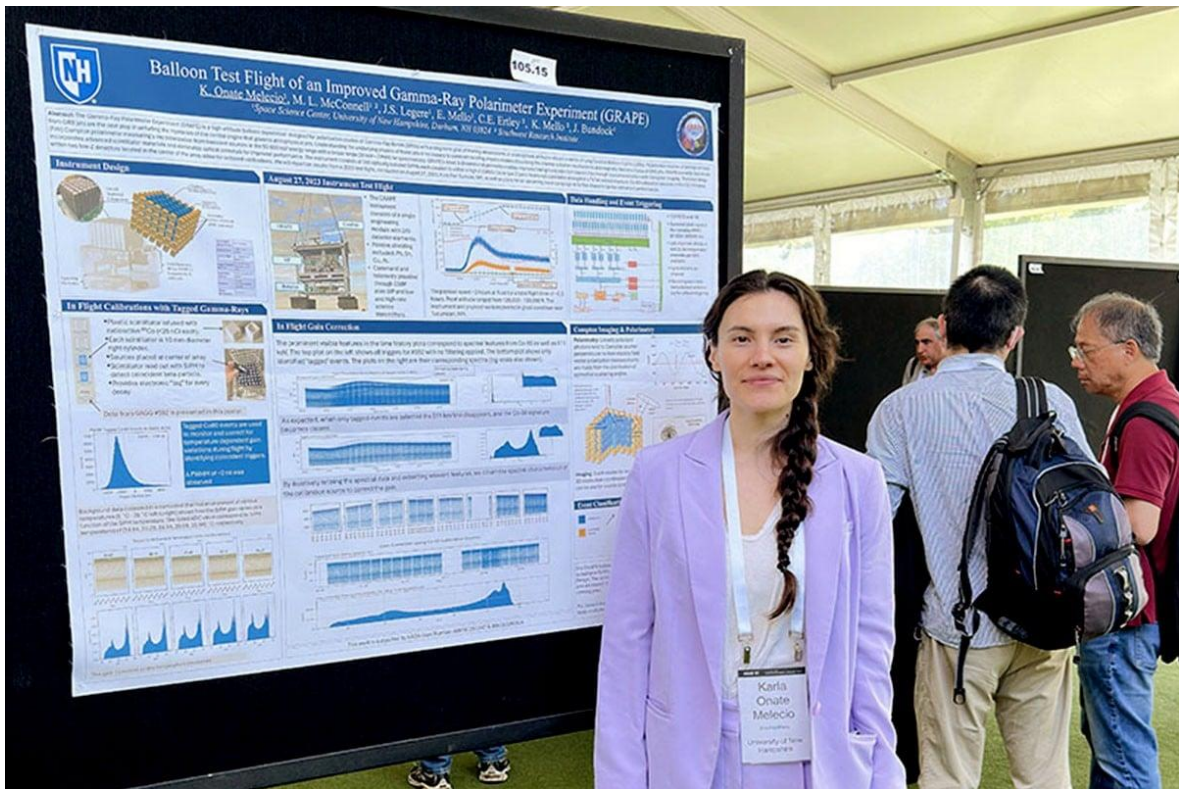


Photo Features

UNH students, staff, and faculty gathered on a sunny T-Hall lawn on April 8 to witness the solar eclipse with 95% totality in Durham, N.H. We handed out thousands of student-designed eclipse glasses and viewers to the impressive crowd. Thank you to everyone who came out, set up, cleaned up, volunteered, and assisted in any way. (Photo credit: Jeremy Gasowski)



We had an amazing time on April 23 at the MUB learning about University of New Hampshire's involvement in the Artemis missions to the moon (and beyond). Our own EOS Director and professor of physics Harlan Spence kicked off the evening's panel discussion. Thank you to our speakers from NASA, Lockheed Martin, and Jacobs, and to the hundreds of space fans who came out to enjoy the talks and hands-on STEM activities. (Photo credit: Makena Lee)

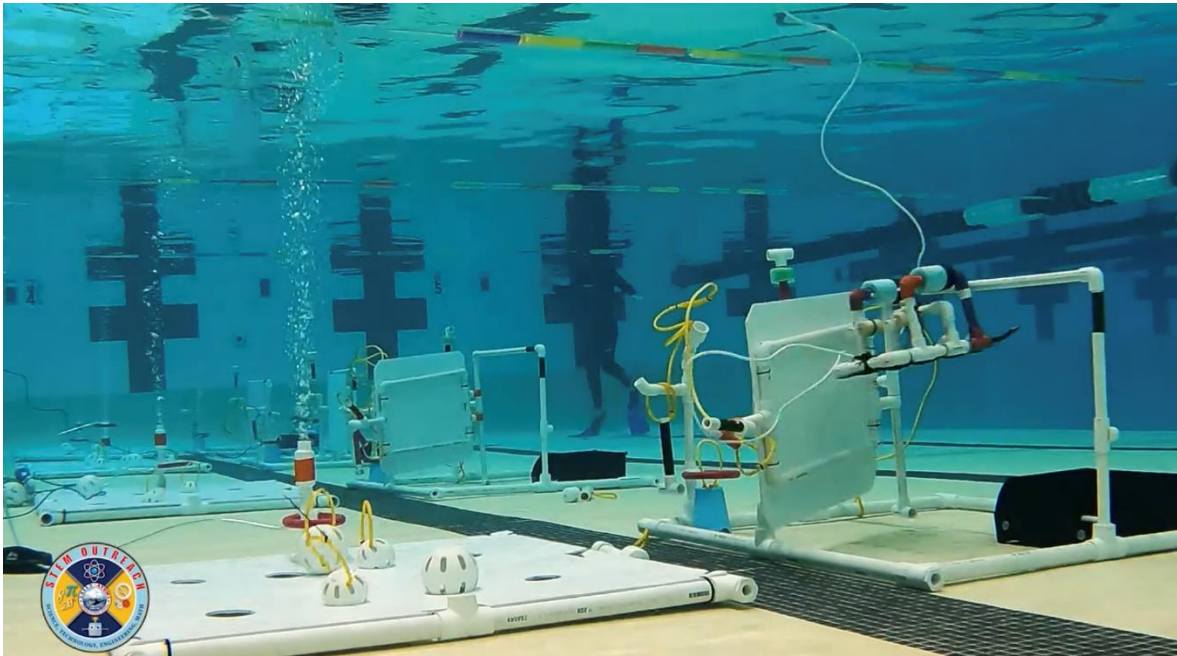


Video Feature

The 12th annual Seacoast SeaPerch Regional Competition was held on Wednesday, April 10th at the UNH indoor pool. This underwater robotics competition brought together middle and high school students from all over New England to test their skills in underwater courses, with the winning teams representing the region at the International Competition in Maryland. For the mission course this year, UNH worked with the SeaPerch Program to highlight the exploration of hydrothermal vents. The whiffle ball collection modeled the ROV (remotely operated vehicle) collecting rock samples, there was a PVC pipe water collection vessel, and participants mimicked sampling the gas from the vent as well. Then when the mission was complete, participants simulated the release of an underwater elevator to the surface to return all of the collected samples back to the research vessel.

“The hope in tying this fun competition to real-world research and engineering is to show the students participating in this program that what they have learned is what

our ROV pilots and technicians are doing in their work as well, and hopefully they can take this experience and apply it if they choose ocean exploration as a career,” says Tara Hicks-Johnson, outreach coordinator from the Center for Coastal and Ocean Mapping who helped to organize this amazing event. You can watch a recap of the event [here](#).



Farewell

After almost 30 years of service to UNH, our colleague Mark Maciolek from the UNH Research Computing Center has decided to retire. We'll miss you, Mark! Wishing you many happy years in your next chapter, you deserve it.

In Memoriam

We are saddened to share the news that two of our UNH ocean engineering colleagues — Rob Swift and Ken Baldwin — recently passed away. Rob served as a UNH faculty member from 1976-2022 in mechanical and ocean engineering and served as a mentor to thousands of students during that time. Rob was 75 years old when he passed away in March. Read more about Rob in [his obituary](#). Ken,

who was instrumental in establishing UNH's Ocean Engineering program, served as a faculty member from 1982-2018 and Department Chair for five of those years. Ken was 74 years old at the time of his passing in April. Read more about Ken in [his obituary](#).

Please send any news items or suggestions for future Convergence content to Rebecca Irelan at rebecca.irelan@unh.edu.



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