



## UNOLS News

Exciting updates from UNOLS & the Academic Research Fleet!

April 2017 - Volume 31, No. 2

### Multi-Asset Cruise Investigates Upper Ocean Layer Mixing



*R/V Sally Ride operating around R/P FLIP during the ONR "Langmuir" DRI field experiment on March 23 2017. The photo was taken from the instrumented aircraft (Partenavia P68).*

For approximately one month, from mid-March to mid-April, two UNOLS vessels (R/V *Sally Ride*, R/V *Sproul*), the research platform R/P FLIP and a light-twin instrumented aircraft (Partenavia P68) were deployed off the coast of southern California in an ONR-sponsored experiment as part of the ONR "Langmuir" Departmental Research Initiative. FLIP was moored in the center of the operational area. The research vessels were supported by autonomous surface vehicles (Wave Gliders), AUVs and Lagrangian floats to measure the lower atmosphere, surface waves and the upper ocean. The aircraft, equipped with scanning lidar and imaging systems, measured the surface wave field, surface currents and SST over large areas of ocean surrounding the vessels.

The primary aim of the collaborative research by the PIs (Eric D'Asaro, UW; Ken Melville, SIO; Jerry Smith, SIO; Eric Terrill, SIO) was to investigate the role of surface waves and upper ocean currents in upper ocean mixing through surface wave breaking and Langmuir turbulence. The field program demonstrated the evolving role of the research vessels as platforms for the deployment of autonomous vehicles, research radar and acoustics which



#### UNOLS EVENTS

##### [2017 FIC Spring Meeting](#)

May 31 - June 1, 2017

Seattle, WA

##### [2017 Council Spring Meeting](#)

June 1 - June 2, 2017

Seattle, WA

##### [2017 DeSSC Spring Meeting](#)

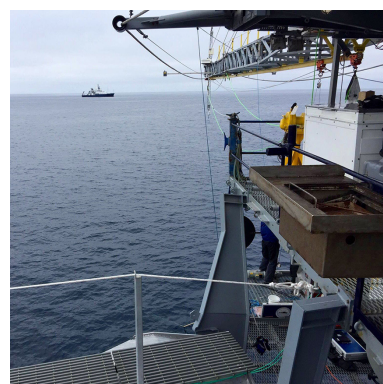
June 6 - June 7, 2017

Woods Hole, MA

##### [2017 RVTEC Meeting](#)

October 24 - October 26, 2017

Duluth, MN



#### PHOTO OF THE MONTH

R/V *Sally Ride* as viewed from research platform FLIP. Photo by Randy Christian / Scripps Institution of Oceanography at UC San Diego. Check out our feature article to learn more about this

extend their capability for upper ocean research.

*Photo and text graciously provided by Luc Lenain, Scripps Institution of Oceanography at UC San Diego.*

## Committee News

### UNOLS Thanks Doug Russell



*RVOC Chair, Tom Glennon (URI), presents a certificate of appreciation to former RVOC Chair, Douglas Russell (UW), at the 2017 RVOC Meeting in New Orleans. Photo c/o Jim Holik (NSF)*

UNOLS thanks Doug Russell for serving as Chair of the Research Vessel Operators Committee (RVOC) from September 2013 to September 2016. Doug is the Manager of Marine Operations for the University of Washington's School of Oceanography and oversees R/V *Clifford A. Barnes* and R/V *Thomas G. Thompson*, which is currently undergoing a midlife refit.

### Marine Superintendent, Paul Ljunggren, Retires after 50 Years

exciting multi-asset cruise!

To submit a photo of the month, please email [office@unols.org](mailto:office@unols.org)

#### ARCHIVED NEWSLETTERS

Past UNOLS Newsletters can be found on the [UNOLS Website](#)



#### FROM THE EDITOR

I would like to thank all who contributed information and articles for this issue of UNOLS News. Articles are always welcome and encouraged. Copy can be submitted by e-mail to <[office@unols.org](mailto:office@unols.org)>.

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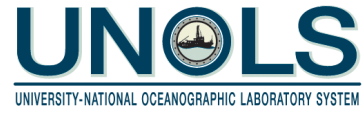


photo c/o Paul Ljunggren (LDEO)

Marine Superintendent, Paul Ljunggren, is retiring after 50 years of service to the oceangoing community. Paul first went to sea as a USCG cadet in 1967. In 1984, he was hired to the Marine Operations Department at the University of Miami's Rosentiel School of Marine and Atmospheric Sciences (RSMAS). He then became the Marine Superintendent at Columbia University's Lamont-Doherty Earth Observatory (LDEO) in 1990. Paul has also served two terms as both Vice-Chair and then Chair of the Research Vessel Operator's Committee and was on the UNOLS Safety Committee for several years. We want to thank him for all of his contributions to the UNOLS Community and we wish him the best in his retirement!

## Early Career Updates

### Marine Seismic Early Career Scientist Program Launches with a Webinar Series



#### CONTACT US

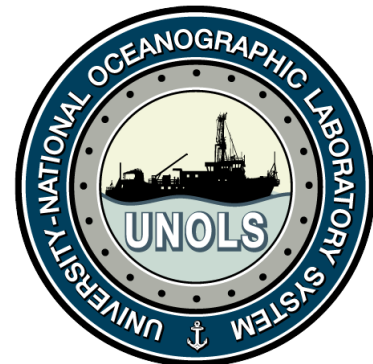
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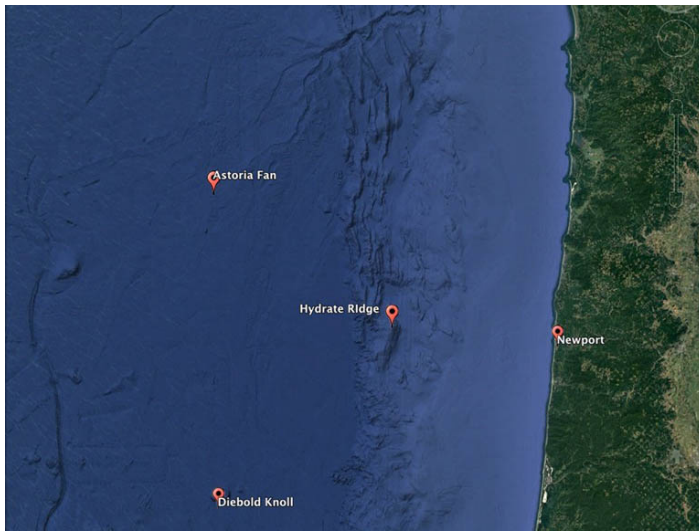
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*The cruise survey area, image c/o Dr. Masako Tominago (TAMU)*

The National Science Foundation (NSF) has funded an Early Career Scientist Training Cruise in Seismic Data Acquisition and Processing to take place aboard the R/V *Revelle* in September 2017. As part of this effort, the program's Principal Investigators recently hosted a three-part webinar series, facilitated by Caitlin Mandel, Annette DeSilva, and Jon Alberts of the UNOLS Office which introduced the participants to the process of defining science goals, developing detailed cruise plans to meet those goals, and the fundamentals of active source marine seismology.

The application period for the training cruise is now open and the deadline is May 31st, 2017. While preference will be given to those who attended the webinar series and received the introductory training, anyone affiliated with a United States institution is welcome to apply. [Click here](#) to access the application form.

Please contact the UNOLS Office ([office@unols.org](mailto:office@unols.org)) if you would like to view the recorded webinar sessions.

If you have questions about the cruise, please contact [ecs.seismiccruise2017@gmail.com](mailto:ecs.seismiccruise2017@gmail.com)

## **2016 UNOLS Deep Submergence Training Cruise Featured in EOS Meeting Report**

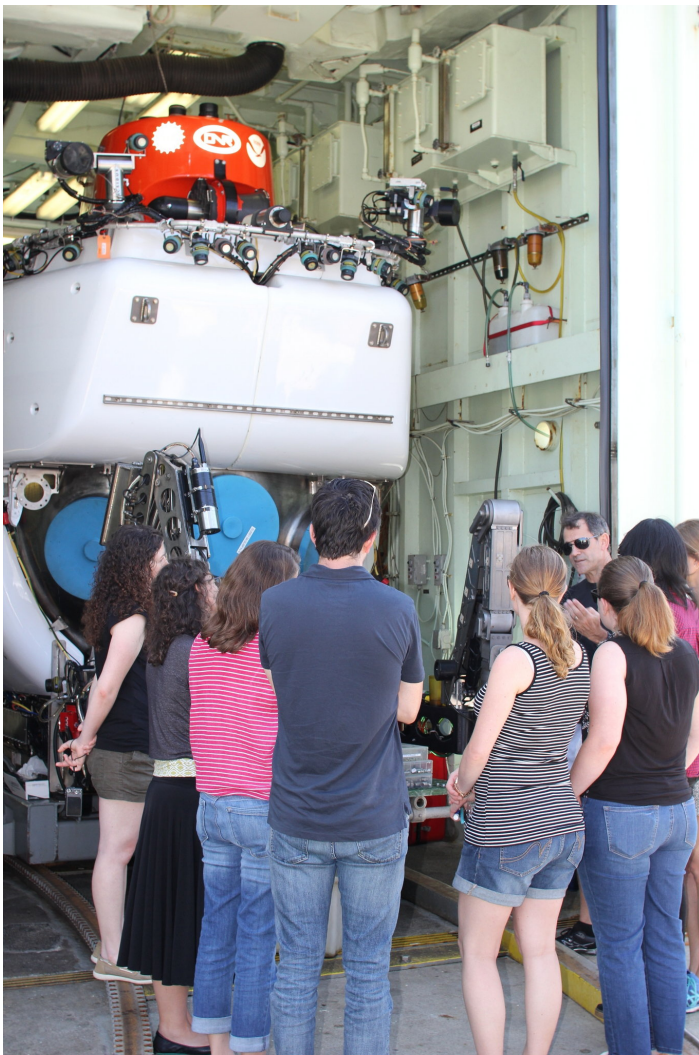


Image c/o Caitlin Mandel (UNOLS)

Last summer's UNOLS Deep Submergence Training Cruise was featured in an EOS article written by cruise participants Dr. Anne Dekas and Dr. Adam Skarke. The article describes the scientific program completed by the early career scientists using deep submergence vehicles and provides details on an exciting new discovery that was made during the cruise. [Click here to read the article!](#)

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## Agency Updates

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### Ocean Observatories Initiative Facility Board Members Announced



The Division of Ocean Sciences (OCE) of the National Science Foundation (NSF) has recently announced the selection of board members to the newly established "Ocean Observatories Initiative Facility Board" (OOIFB). The OOIFB will provide input and guidance regarding the management and operation of the Ocean Observatories Initiative (OOI). The inaugural board members were selected from nominations (including self-nominations) submitted to NSF with close attention towards ensuring a balanced membership. In the below alphabetical-order list, Larry Atkinson has graciously agreed to serve as Chair. The two members from the operators are Deborah Kelley and Sheri White.

Larry Atkinson (Chair), Old Dominion University  
Tim Crone, Lamont Doherty Earth Observatory  
Kendra Daly, University of South Florida  
Sarah Gille, Scripps Institution of Oceanography  
Brian Glazer, University of Hawaii  
Ruoying He, North Carolina State University  
Deborah Kelley, University of Washington  
James O'Donnell, University of Connecticut  
Sheri White, Woods Hole Oceanographic Institution

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