



University-National Oceanographic Laboratory System ~UNOLS~

SCOAR Meeting
La Jolla, CA
August 16-17, 2017





UNOLS Fleet News – Design, UNOLS Designations, Mid-life Refit activities

- **Two new Ocean Class Ships:**
 - R/V *Neil Armstrong* (WHOI) and R/V *Sally Ride* entered service in 2016
- **Mid-Life Refits/SLEPs:**
 - R/V *Thompson* is in its mid-life and will return to science in 2018
 - Planning for 2018 mid-life of *Revelle* is underway.
 - Atlantis mid-life funding is in budget.
- **Regional Class Research Vessels**
 - Three RCRVs planned.
 - First ship could enter service in 2021



Bad old stuff – piping & wires



5/31/17

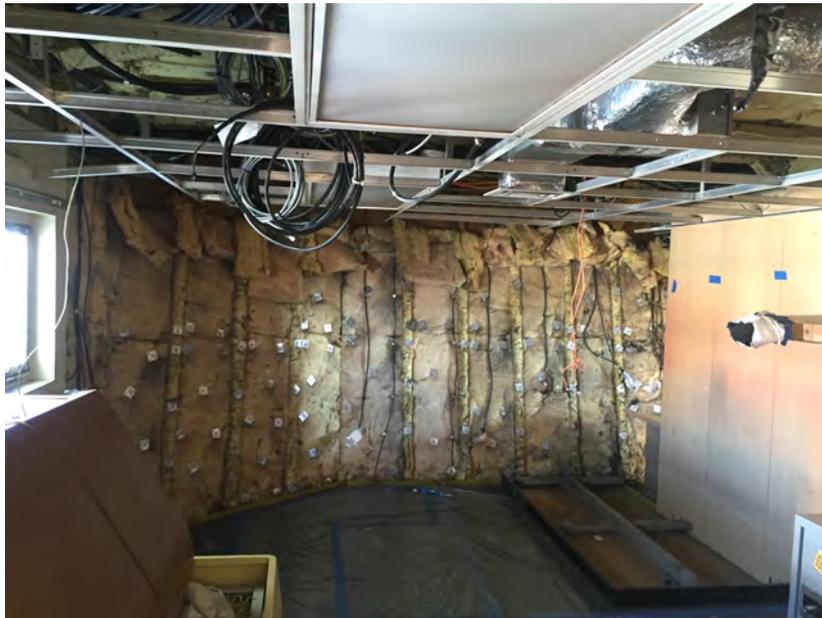
UNOLS FIC Summer 2017



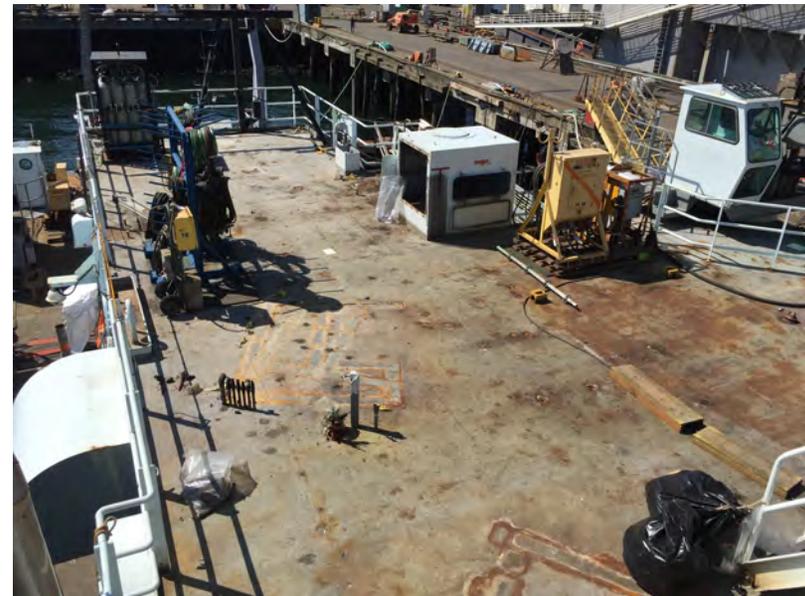
Badly corroded vent ducting



Computer Lab gutted



Senior Scientist S/R



Heavily corroded 02 Deck



Refurbished hydro-winches in place



Cables prepared for feeding into switchboards



Cable connections in new generator



New piping systems



Science Mission Requirements for Global Ships

- **Science Mission Requirements for Global Ships –** Works continues on the development of Global SMRs. Committee members include Greg Cutter (Chair), Byron Blomquist, Clare Reimers, Jim Swift.
 - Define science drivers and gather data
 - Draft SMR document.
 - Hold Town Hall Meetings in 2018 at Ocean Sciences and AGU



Video Project: Civility at Sea

- Collaborative effort between NSF, ONR, NOAA, and UNOLS
- The video project will be composed of three modules
 - Module 1 (~ 12 minutes) – General video on Civility at Sea – applicable to all research fleets.
 - NOAA is supporting the production of this
 - Provides information and scenarios about how to promote a positive work place:
 - Module 2 (~ 12 minutes) – Fleet-Specific Video
 - This video would provide the information that applies to all UNOLS ships.
 - Issues/information/practices that apply to the entire fleet

Status:

- Maritime Training Services (MTS) has been contracted to produce modules 1 and 2.
- Filming from ships in and stopping in Seattle and Newport, OR. (MTS is located in Seattle)
- Timeline – We hope to have the video available in the fall
- We will own the videos and they can be shared openly (e.g. YouTube)



Video Project: Promoting a Positive Work Environment

- Module 3 – Ship specific information. This module will be in the form of posters or PPTs.
 - This format allows easy and more frequent updates.
 - Some ships already have this information available.
 - There will be a UNOLS webpage with links to each institution's document.
 - The document should also be readily available on the ship.
- The posters/PPTs can be linked to the UNOLS webpage they becomes available.

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- **UNOLS Special Committee on Medical Questions/Medical History Form/ Pregnancy/Harassment:** Clare Reimers/OSU, Bruce Appelgate/SIO, Debbie Steinberg/VIMS, Scott Ferguson/UH, Chris Measures/UH, Brandi Murphy/UW, Mark Brzezinski/UCSB



University-National Oceanographic Laboratory System

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UNOLS Outreach and Early Career Investigator Initiatives

June 1, 2017





Cruise Opportunity Webpage and Application

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ABOUT SHIPS/FACILITIES SCHEDULES COMMITTEES MEETINGS FORMS & DOCUMENTS OUTREACH & JOBS

UNOLS CRUISE OPPORTUNITY PROGRAM

UNOLS CRUISE OPPORTUNITY PROGRAM

HOME / UNOLS CRUISE OPPORTUNITY PROGRAM

FEATURED INFORMATION

The UNOLS Cruise Opportunity Program matches volunteer graduate students with research cruises aboard UNOLS vessels.

photo by Uriel Zajackovsky, UCSD

Welcome to the UNOLS Cruise Opportunity Program Webpage!

The primary goal of the UNOLS Cruise Opportunity Program is to provide graduate students currently completing a degree in a field of oceanographic research 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 graduate student 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 graduate student must currently be studying at a U.S.-based institution and have either a U.S. Passport or a U.S. Work Visa.

To apply, please review the opportunities listed below and if you would like to apply for one, fill out an application form by the deadline listed.

We are sorry, but there are currently no cruise opportunities at this time, please check back soon!

<https://www.unols.org/unols-cruise-opportunity-program>

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UNOLS CRUISE OPPORTUNITY APPLICATION

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To apply for the UNOLS Cruise Opportunity Program, please follow the instructions below. It is important that you refer to the UNOLS Cruise Opportunity Page before applying to determine which (if any) of the cruises are aligned with your field of study. At this time we cannot cover the cost of traveling to and from the ship, but there will be no other costs associated with participating on the cruise.

- Complete and submit the following **application form**.
- Submit a .pdf of your **Curriculum Vitae** with this application form. An applicant's C.V. should include educational history (degrees and dates awarded), employment experience (including any internships), and any authored or co-authored journal articles, abstracts, or other publications related to the research objectives of the cruise.
- Submit a .pdf copy of a **Faculty Advisor Recommendation**. Applicants must include a letter from their primary advisor. The letter should document the student's scientific experience and detail how participation on the cruise would fit into their graduate degree program.

Applicant Name *

Current Position *

(e.g. graduate student)

Institution *

Department *

Address Line 1 *

Address Line 2 *

City *

<https://www.unols.org/form/unols-cruise-opportunity-application>



UNOLS Cruise Opportunities: 2017

- Cruise opportunity posted = 2
- Number of people who signed up to receive Cruise Opportunity notifications via email: **~350**

Cruise Title	The transition from rifting to seafloor spreading at the western tip of the Cocos-Nazca Rift
Cruise Dates	May 1 – 30, 2018 (estimate)
Ship Name	R/V Revelle
Chief Scientist	Emily Klein, Duke & Hans Schouten, WHOI
Start Port/End Port	Manzanillo, Mexico to San Diego, USA (subject to change)
Cruise Description	Geophysical mapping and sampling of the western end of the Cocos-Nazca spreading center in the eastern Pacific Ocean. We will collect multibeam bathymetry, magnetic, and gravity data, and perform ~60 rock dredges.
No. Bunks Available	2-5
Application Deadline	December 1, 2017



UNOLS Cruise Opportunities: 2017 *(continued)*

Cruise Title	Coupled Air Sea Processes and EM-ducting Research (CASPER)
Cruise Dates	Leg 1: Sept. 25 - Oct. 11 Leg 2: Oct. 11 - Oct. 26
Ship Name	R/V Sally Ride
Chief Scientist	Kipp Shearman, OSU & Qing Wang, NPS
Start Port/End Port	San Diego, USA to San Diego, USA



Chief Scientist Training Workshops

**2011 through 2016 –
18 cruises on ten different vessels:**

- *Wecoma*
- *New Horizon*
- *Endeavor*
- *Atlantic Explorer*
- *Blue Heron*
- *Point Sur*
- *Hugh Sharp*
- *Thomas G. Thompson*
- *Atlantis with Alvin, Sentry , and Telepresence*
- *R/V Sikuliaq*





Future Chief Scientist Training Workshops: 2017 Plans

- **R/V *Revelle*** - Early Career Seismic Chief Scientist Training Cruise
 - PIs: Masako Tominaga (TAMU), Anne Trehu and Mitch Lyle (OSU), and Greg Mountain (Rutgers)
 - Information Webinars:
 - *"How to develop science hypotheses and address them with marine seismics"*
 - *"How to develop marine seismic proposals"*
 - *"How to develop a marine seismic acquisition plan"*
 - Cruise Dates: September 26 – October 2, 2017
 - <https://www.unols.org/news/early-career-updates/now-acc-applications-2017-marine-seismic-chief-scientist-workshop>
- **R/V *Blue Heron*** - Doug Ricketts/UMN
 - Great Lakes Chief Scientist Training Cruises.
 - June 8 – 11





Chief Scientist Training Workshops Statistics

Tracking the Participants:

- 170 Participants in CSTW over 6 years (2011 – 2016)
- 54 Participants submitted a total of 316 STRS Requests (*147 as PI, 169 as Co-PI*)
- 59 Requests funded = 19% (15 to PIs and 44 to CoPIs)





Thank you!