UNOLS Year in Review

UNOLS Office
2019 UNOLS Annual Meeting
Hilton Alexandria Old Town
UNOLS 2019 Highlights

May 2019 -

UNOLS office moves to UW!
Regional Class Research Vessels (RCRVs)

- RV Taani – OSU – Begin Ops August 22
- RV Resolution – ECOC – Begin Ops Feb 23
- RV Gilbert R. Mason – GCOC – Begin Ops Jul 23

RCRV Webcams - http://webcam.oregonstate.edu/rcrv3
Global Mid-life Refits
Extending Service for 15-20 years

RV Thomas G Thompson
University of Washington (UW)
Service Life Extended to 2036

RV Roger Revelle - Current Retirement - 2026
UCSD - Scripps Institution of Oceanography
Testing Trials starts Jan 2020

RV Atlantis - Current Retirement - 2027
Woods Hole Oceanographic Institution (WHOI)
Shipyard planned for 6/20 – 6/21 planned
MERAS
(Maintaining an Environment of Respect Aboard Ships)

- Promotion of civility, respect, inclusion
- Prevention of harassment, discrimination, bullying
- Pregnancy policy facilitation

~fostering a safe, productive, and positive experience at sea for all~

Committee Membership:
- Debbie Steinberg/VIMS (Co-Chair)
- Mark Brzezinski/UCSB (Co-Chair)
- Craig Lee/UW
- Clare Reimers/OSU
- Emily Shimada/WHOI
- Brandi Murphy/UNOLS Office /UW
UNOLS and Shipboard Civility

The National Science Foundation and the Office of Naval Research, in conjunction with UNOLS, are striving to improve civility and eliminate harassment in the workplace, in particular those places associated with the performance of shipboard oceanographic research. A three module program has been created aimed at ensuring that all parties involved in research aboard the vessels of the U.S. Academic Research Fleet (ARF) are treated with respect and civility and have the resources for when things don’t go as planned.

Modules one and two are a two part video series Shipboard Civility: Fostering a Respectful Work Environment. These videos are available to stream or download and are required viewing before participating in any research at sea aboard a UNOLS designated vessel.

The third module is intended to provide operator-specific resources and information to cruise participants should they need assistance with a work place issue. This third module will be included in the cruise planning documentation prior to boarding a vessel and posted prominently on board. It is also a good practice to be aware of the contacts and process at your own institution before you need it.

For details visit www.unols.org/shipboard-civility
CyberSecurity

- Importance of Cybersecurity
  - Regulations, general safety, data integrity, etc
- Engagement with the Trusted CI
  (https://trustedci.org/)
  - Vessel site visits
  - RVTEC
- US ARF is very unique as a Large Facility
- Report due out early in January 2020
STRS & PCAR Replacement

- **Marine Facilities Planning (MFP)** – see https://maas-se.nl/mfp/
  - Developed for NIOZ & NERC, since implemented for GEOMAR, being implemented by CSIRO
  - Modular, Cloud Based system that supports in integrated fashion:
    - Scheduling
    - Cruise Planning
    - Post Cruise Assessment
    - Equipment management
    - Supply management
    - Crew resource management
    - And more!
  - Development & Implementation supported by NSF & ONR
RVSS Update

• RVSS is now 4 years old and due for a refresh
• Working with Safety Committee Chair Jeff Garrett on a rewrite/refresh plan
• Examples of some key areas that require attention:
  ▫ Chartering non-UNOLS Vessels / Chapter 18
    ● Draft of new guidance submitted for concurrence
  ▫ Aviation Operations / Chapter 19
    ● UAS Guidelines
    ● No Helicopter capable ships
  ▫ Rope & Cable Standards / Appendix A
    ● Synthetic line?
UNOLS Cruise Planning Application

• An information sharing portal for
  ● Scientists
  ● Marine Technicians
  ● Crew
  ● Support Staff

• Coupled with the Ship Time Request System
• Developed in 2017
• 2019 – ENDEAVOR, OCEANUS, KILO MOANA
• Actively maintained at URI/GSO by Erich Gruebal
Tech Pool Update: Cruises supported 2012-2019

Start of TAMU Tech Pool

Bars show # of ships serviced

- Tech Pool
- Tech exchange
Pre-cruise Considerations for Successful Dredging Operations

What’s the problem?

- Disconnect on what are safe dredging operations
- Disconnect on what equipment can/should be used
- Lack of detailed enough planning
Discussion group

1. NSF Representatives
2. Tech managers
3. Experienced and New PIs
4. Equipment providers/managers (some overlap with tech managers)

Goal

Create a list of considerations to cover in the pre-cruise planning process that will ensure operators, technicians and PIs are on the same page in regards to operation and expectations before getting underway
UNOLS Outreach

- 2 Chi Sci Training Workshops
  - RV KILO MOANA/UH
  - RV BLUE HERON/UMinn
- Annual DeSSC New User Program
- STEMSEAS program
- MATE Internship Program
- UNOLS Cruise Opportunity Program
- Participate in RV SALLY RIDE AGU Open House
- 2020 Ocean Sciences Meeting Booth
UNOLS Office & Social Media

Contact media@unols.org for comments & questions or to share your news stories, accounts, pictures and hashtags.

We want to hear what’s new with you!