

Research Vessel Operators Committee 2014



ONR Update
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Situation Update- ONR Ships

- Operations: >1400 days in 2014
 - ~400 days Navy-sponsored research (all UNOLS)
 - KNORR- North Atlantic – OOI – Iceland
 - MELVILLE – EastPac
 - THOMPSON – West/SoutPac - OOI
 - REVELLE- WestPac and IO
 - ATLANTIS- Gulf of Mexico – Astoria
 - KILO MOANA – CentPac
- Shipyards: KNORR/MELVILLE
- Inspections: THOMPSON (INSURV)
- Repairs/Upgrades: KNORR- THOMPSON - K/M
- Projects: New Construction/Mid-Life Refit
- Retirements: KNORR/MELVILLE

ONR OCEANOGRAPHIC RESEARCH VESSELS

--retiring in 2014 and available for sale/transfer--

AGOR 14: MELVILLE

Current Operator:

Scripps Institution of Oceanography

<http://shipsked.ucsd.edu/ships/melville/>



Delivered - 1969

Mid-Life Upgrade - 1993

Last INSURV/Shipyard – 2010/2014

Retirement – October 2014

AGOR 15: KNORR

Current Operator :

Woods Hole Oceanographic Institution

http://strs.unols.org/public/diu_ship_view.aspx?ship_id=10037



Delivered - 1970

Mid-Life Upgrade - 1993

Last INSURV/Shipyard – 2009/2014

Retirement- December 2014

Other Ocean Research Assets

- CIRPAS (Flight facility at NPS)
 - Affiliated with SCOAR
- Iridium and Argos Satellite Services:
 - Supporting research (UUVs, gliders, buoys)

ALVIN

- Navy-owned, but rarely used by Navy for research
 - Operated by WHOI from ONR R/V ATLANTIS
 - NSF supports about 125-150 dives/year
 - ONR sponsors one engineering dive/year
 - Annual NAVSEA surveys to sustain diving certification
 - Engineering changes
 - ONR is Navy's program manager
- ALVIN Upgrade Program
 - NSF funded: to increase depth capability to 6500 meters
 - NSF desires continued NAVSEA certification
 - NSF will fund
 - Continued Navy ownership

DSV ALVIN Upgrade Program

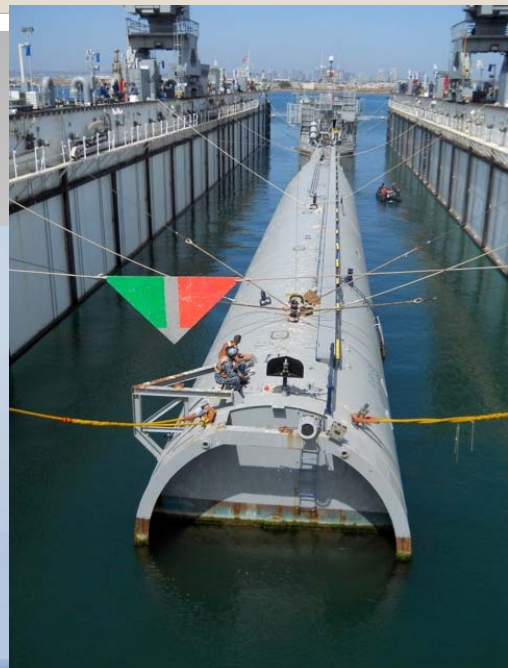
Program to upgrade the capabilities of ALVIN for future deep submergence science sponsored by the National Science Foundation



- New titanium ALVIN personnel sphere
 - Designed by Southwest Research Institute
 - Tested to 6500meters depth (12,000 psi) at Northrop-Grumman test facility in Annapolis June 2012
 - Re-certification and return to service Fall 2013

FLIP

- 51 years of service to Navy/ONR research
 - Designed, Built and Operated by Scripps-MPL
 - Transitioning to Scripps MARFAC mgmnt 2015
- Very Good material condition (ABS surveys)
 - Tri-annual Dry-docking for hull cleaning and painting
- Usage: leveling to about 2-3 weeks/yr
 - Always seeking new customers



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- Sub-committee on Ocean Science and Technology
 - National Ocean Policy Implementation Plan
- Federal Agencies:
 - NSF and NOAA Co-Chairs
 - NSF, Navy, NOAA, USCG, EPA, BOEM
 - UNOLS
- Efforts:
 - Fleet Status Report 2013
 - Fleet Performance Metrics
 - Fleet Scheduling Portal

**Interagency Working Group-
Facilities and Infrastructure**



Fun with FLIP