

UNOLS Council Meeting
Activities and Issues of Interest

Phone Web Conference

June 21-22, 2006

Academic Fleet Renewal

FOFC Fleet Long-Range Plan

- Recommended changes from FOFC principles have been reviewed and entered as appropriate to the draft document.
- Bob Winokur has reviewed the latest draft. It will be circulated to the FOFC principles for one final review (2 week review period)
- This will be followed by an editorial review/revision by Professional Editor, and conversion to pdf.
- Late July – Send draft document to JSOST.

Academic Fleet Renewal

FIC Fleet Improvement Plan

- Work continued on the draft update to the Fleet Improvement Plan
- Reclassification of UNOLS Ship Classes in Coordination with FOFC (next slide)
- Draft Timeline:
 - Summer 06 – finalize draft
 - Sept 06 – distribute to Council for review and comment
 - Oct 4 & 5 – Discuss at FIC and Council Meetings
 - Mid Oct – Post for community review
 - Nov 06 – Incorporate comments
 - Dec 06 – Final Draft for Council Approval

Academic Fleet Renewal

FIC Fleet Improvement Plan

Reclassification of UNOLS Ship Classes:

GLOBAL CLASS [Full
Operating Year (FOY)
= 300 days]

- *Atlantis*
- *Knorr*
- *Marcus Langseth*
- *Melville*
- *Revelle*
- *Thompson*

OCEAN CLASS
[FOY = 275 days]

- *ARRV*
- *Kilo Moana*

Academic Fleet Renewal

FIC Fleet Improvement Plan

Reclassification of UNOLS Ship Classes:

INTERMEDIATE

CLASS [FOY = 250
days]

- *Endeavor*
- *New Horizon*
- *Oceanus*
- *Seward Johnson*
- *Wecoma*

REGIONAL CLASS

[FOY = 200 days]

- *Alpha Helix*
- *Cape Hatteras*
- *Point Sur*
- *Atlantic Explorer*

Academic Fleet Renewal

FIC Fleet Improvement Plan

Reclassification of UNOLS Ship Classes:

REGIONAL CLASS

(non-Federal)

[FOY = 180 days]

- *Longhorn*
- *Pelican*
- *Hugh R. Sharp*
- *Sproul*

LOCAL CLASS

[FOY 110 days]

- *Blue Heron*
- *Clifford A. Barnes*
- *Savannah*
- *Urraca*
- *Walton Smith*

Academic Fleet Renewal

Regional Class Acquisition Process

- Early FY 2007: NSF Board Approval will be sought for expenditure of R&RA funds not to exceed \$15 million in any one year over six years.
- Ship Acquisition and Operator Selection Timeline:
 - Phase I:**
 - April 2006 – Two design teams selected:
 - Nichols Brothers' Boat Builders/Glosten & Associates
 - Dakota Creek Industries, Inc./Guido Perla & Associates
 - Fall 2006 – NSF issues solicitation for Operator of first ship
 - Spring 2007 – NSF selects Ship Operator
 - Phase II:**
 - May 2007 - Select winning design/contract
 - June 2007 – 2013: Consecutive 3-ship construction/outfitting

Academic Fleet Renewal

ARRV Acquisition Status

JUL 2006	Competitive solicitation to be issued for Cooperative Agreement for construction and operation
SEP – NOV 2006	Proposals reviewed
JAN 2007	NSB approval sought to award Cooperative Agreement for construction (\$98M) and operation of ARRV
CY10	Complete Construction

Academic Fleet Renewal

Ocean Class Acquisition Status

- **Spring 06** - Navy formed a Naval Research Advisory Committee (NRAC) to provide a recommendation regarding Navy's role in the acquisition of Ocean Class vessels.
 - NRAC provided their recommendations to the ASN-RDA.
 - Recommendations are not public
 - NRAC has completed their task.
- **July 2006** – Navy to submit Congressional report on Ocean Class proposed plans.
 - The NRAC recommendations to ASN will be used in Navy's report to Congress
 - Upon submission of Navy's report to Congress, the report becomes open to the public.
- **FY2006 Funds for Ocean Class design:**
 - No status or actions on funding to date.

Academic Fleet Renewal

Global Class Science Mission Requirements

- On-line Survey has been drafted and reviewed by subcommittee
- Advertise to the community

Academic Fleet Renewal

Marcus Langseth Conversion Status

- Written report provided by Paul Ljunggree
– next slide

NEW-06/20/06

Lamont-Doherty Earth Observatory
Marine Department-Palisades, NY 10964
Phone:845-365-8845 Fax: 845-359-6817 - Email: pwl@ldeo.columbia.edu
19 June 2006

Conversion - R/V Marcus G. Langseth

The R/V Marcus Langseth sailed from Quonset Point, RI on 23 February arriving in Shelburne Ship Repair Shelburne, Nova Scotia on 25 February. Shelburne Ship Repair is a satellite yard of Halifax Shipbuilding in Halifax, Nova Scotia.

The better part of the early shipyard effort involved rip outs and opening up of the starboard side to permit the over the side launch and recovery of instrumentation. The helo flight deck was cut back and the marine mammal observation tower support structure was modified. At the same time major work items were initiated to address Coast Guard damage stability requirements. These involved athwartship bulkheads subdividing both the engine room and seismic recording room. As part of the stability modifications several fuel tanks were subdivided.

The main yard in Halifax undertook the prefabrication of panels to be used to construct the new laboratory spaces and the staterooms. They also undertook the fabrication of the new science pod to house the ship Kongsberg EM 120 multi beam system and other transducers. While we had sought throughout the process to benefit from the Navy redesign effort for a science pod to house the multi beam time was not on our side and the shipyard required a plans for the pod. The decision was made to go forward using the original design.

Panels for laboratory spaces were delivered the week of 2 May and began to be fitted as laboratory spaces started to take shape. During the week of 18 May the pod was delivered in 3 pieces and the final assembly of the pod began.

On 31 May and 1 June EROCC and MLSOC met in Shelburne, Nova Scotia.

On 6 June the ship was hauled on the marine railway with the science pod positioned in the dock prior to the Langseth going on the blocks. Work continues with the fit out of the bulkhead panels for new accommodation and laboratory spaces. The hull is being sandblasted to remove any antifoulant containing TBT and will be coated anti-corrosive and anti-foulant paints meeting international regulatory standards. Other ongoing projects will include the modification to the starboard bridge wing for better work deck visibility, installation of the new starboard A-frame and stern telescoping boom.

As of 31 May the ship conversion was estimated to be at a little more than 50% complete. The original delivery date for the vessel was scheduled for 2 July, but with production lagging behind the production plan Lamont and the shipyard entered discussions. Additional personnel have been assigned to the conversion project. Discussions are underway that will result in a revised delivery date.

UNOLS STR / Scheduling Database

Americans with Disabilities Act (ADA) Guidelines

Membership :

- FIC Member - Terry Whitlege (UAF) [Chair]
- Risk Manager - Dennis Nixon (URI)
- Marine Superintendent & FIC – Al Suchy (WHOI)
- *Langseth* Conversion Rep & FIC – Jim Cochran (LDEO)
- RVTEC Representative – Joe Ustach (Duke)
- Seagoing scientists with disabilities – Amy Bower (WHOI) and Terry Glover (contributing member)
- Ship Master – Eric Buck (SIO)
- UNOLS Safety Committee Rep – Matt Hawkins (UDel)
- David Chapman (UDel)
- Ex-officio members – NSF and NOAA agency reps

Americans with Disabilities Act (ADA) Guidelines (continued)

- Two phone/web conferences have been held (2/06 & 6/06)
- Preliminary ADA Guidelines for the Regional Class document has been drafted. The document is being revised based on Committee input.
- Tasks to be addressed:
 - Establish General ADA Guidelines for new ship construction/conversion.
 - Draft procedural guidelines for at-sea research operations by seagoing scientists with disabilities.
- Planning is underway to convene a Workshop.
 - Attendance to include ship operator representatives, agency reps, sea-going scientist including those with disabilities. Invited speakers (USCG, others)
 - Workshop preferred site – UNOLS vessel
 - The workshop will be used to review the draft guidelines and test the practicality of the procedural guidelines, and identify any additional ADA guidelines.

Safety Standards for Human Occupied Vehicles

Dana Wilkes, Chair - NOAA Representative

Tim Askew (HBOI) – HOV Operator, UNOLS Safety Committee

Colleen Cavanaugh (Harvard U.) – Science HOV user

Pat Hickey (WHOI) - HOV pilot

Terry Kerby (HURL) – HOV Operator and Pilot

Dan Schwartz (UW) - Marine Superintendent, past Ship Captain

Barrie Walden (WHOI) – HOV Operator

Craig Young (U. of OR) - Science HOV user, DESSC

Agency Representatives:

NSF- Dolly Dieter, Holly Smith

NOAA – Barbara Moore

Safety Standards for Human Occupied Vehicles

Two meetings have been held:

- January 2006 in Tampa, FL and May 2006 at Woods Hole, MA

Timeline:

- **Document drafting** (6 Chapters, modeled after the Research Vessel Safety Standards)
 - HOV Operations (vehicle) – August 2006
 - HOV Support Ship – Oct 2006
 - HOV Handling Systems – Dec 06
 - Science User Safety Guidelines – Feb 07
 - Training Procedures for HOV Crewpersons – Apr 07
 - Introduction, Definitions, Procedures – Jun 2007
- **Committee Review** – (2 months) – November 2007 begin review
- **Council Review** (1 month) – January 2008 begin review
- **Agency Review** (6 months) – Begin April 2008
- **Document Final Acceptance** - October 2008

US Fish & Wildlife Service Importation Policy

Frequency Spectrum Management

- Requested status from Richard Perry

The 2006 UNOLS Annual Meeting
Friday, October 6, 2006
at
The National Science Foundation

The keynote speaker will be
Former California Congressman and White House
Chief of Staff

The Honorable Leon E. Panetta

Council Elections will be Held for the following
positions:

- **Chair-Elect**
- **One At-large Position**
- **One Operator Position**
- **One Non-Operator Position**

UNOLS Annual Meeting (*continued*)

Annual Meeting Topic Suggestions:

- **UNOLS Accomplishments in 2006**
- **Committee Reports**
- **Agency Reports**
- **Academic Fleet Renewal Activities and Plans**
- **Budget shortfalls and impact on future operations – UNOLS Sub Committee recommendations**
- **UNOLS objectives, priorities and goals for 2006 – 2007**
- **American's with Disabilities Act (ADA) Guidelines**
- **Safety Standards for Human Occupied Vehicles**
- **Gender Climate at Sea**
- **Definition of Safe Working Loads**
- **US Fish & Wildlife Service Importation Policy**
- **Codes of Conduct - The Impact of Scientific Studies on the Environment**
- **UNOLS STR/Scheduling Database**