

## Minutes of February 12, 2008 MOC Meeting

*Attendees:* Jerry Smith, Rob Pinkel, Jim Swift, Joris Gieskes, Bob Knox, David Skydel, Dave Chadwell, Ryan Rykaczewski, Gabriela Chavez, Lloyd Regier, Bruce Appelgate, Steve Miller, Gabi Laske, Grant Deane, Matt Dzieciuch, Ralf Goericke, Dave Checkley, Woody Sutherland, Horst Felbeck, Rose Dufour, Jeff Gee, Tom Althouse

*Meeting called to order at 2:00 p.m.*

### *Agenda*

1. Guidelines for UC Ship Funds proposals (draft attached)
2. Radiation safety procedures
3. Ship status report (report attached below)
4. STS report (report attached below)
5. Other business

### *Comments/discussion*

- Guidelines for UC Ship Funds proposals
  - Bruce circulated a draft (attached below) of guidelines for UC Ship Funds proposals prior to the meeting. The goals of these guidelines are to improve transparency and participation (through broadly advertised calls for proposals) and to allow the UC Ship Funds Committee to evaluate proposals side-by-side. The proposed guidelines were well received by the MOC.
  - There was general agreement on the need for maintaining flexibility such that some fraction of the funds could be available for "rapid response" or contingency circumstances.
  - Note: Following a request from the MOC, a PDF with a list of UC-funded shiptime since 1995 was circulated to the MOC and will be posted on the SOMTS web page shortly.
  - Note: The GDC has put together a web page to track data from UC Ship Fund cruises: <http://gdc.ucsd.edu/data/UCfunds/>
- Radiation safety procedures
  - The MOC has a standing subcommittee (Marine Operations Isotope Usage Panel) that evaluates plans for proposed use of isotope usage aboard the SIO fleet. The subcommittee currently consists of Joris Gieskes and Andrew Dickson. A description of the procedures, timelines and forms for requesting isotope usage may be found at the Ship Scheduling website: <http://shipsked.ucsd.edu/general/forms/isotopes/index.html>. A recent request (in support of work on a Coast Guard vessel) after a long hiatus of isotope usage requests was the impetus for discussion of the status of the subcommittee and our procedures.

- The subcommittee is still active and Gieskes, Skydell, Dickson and Appelgate will review the forms and procedures.
- Ship status report (Captain Althouse, report attached below)
  - The current problems with kinking of the .322 CTD wire on the Revelle were discussed.
- STS report (Woody Sutherland, report attached below)

*Meeting adjourned at 2:45 p.m.*

## **DRAFT Schedule for UC Ship Funds Proposals (v2008-02-11)**

### **Spring proposals**

The spring proposal is the primary opportunity for requesting ship time aboard RR/MV/NH, to be awarded in the following year (e.g., spring '08 proposals will be for '09 shiptime). The timing of this proposal allows UC cruises to be considered as part of the regular UNOLS ship scheduling process. Sproul work within the next 6-12 months will be considered.

15 JAN: Current year big ship schedules should be final.

01 MAR: Next year's ship schedules under development (preliminary LOIs ready).

01 MAR: REQUEST FOR PROPOSALS

31 MAR: Proposal deadline (after Spring Break)

01 APR: Proposals sent to committee

07 APR: Committee meeting and award decisions

### **Fall Proposals**

The fall proposal will solicit proposals that will complement the (by now fairly well developed) draft schedules for NH/MV/RR for the following year. The UC awards should be known prior to the final UNOLS ship scheduling meeting (held in DEC or JAN). Sproul work within the next 6-12 months will be considered.

1 JUN: REQUEST FOR PROPOSALS (prior to summer vacation)

1 AUG: UC Ship Funds budget should be known

1 SEP: Start of fall quarter -- 2nd REQUEST FOR PROPOSALS (for new students)

24 SEP: UC Ship Funds proposal deadline

25 SEP: UC Ship Funds proposals sent to committee

02 OCT: UC Ship Funds committee meeting and award decisions

06 OCT: Final UNOLS ship scheduling meeting

01 NOV: SIO ship day rates being developed -- by now we need to know how many ship days will be funded by UC during the next year

01 DEC: NSF ship ops proposals due

## **Ship Status Report**

### **MOC NOTES 2/12/08**

#### **ROGER REVELLE**

1. Conducted MacKinnon cruise Durban to Durban Successfully.
2. Loaded CLIVAR departing Durban about 4 hours late due to problems with fuel barge.  
Currently on 30 E Long headed for 69 S Latitude. Of note, our insurers added \$36,000 to this year's bill for the 14 days we will be south of 60 S. The have only done this once before in 2005 when the increase was \$14,000. The broker indicated it was due to the sinking of the cruise ship in Antarctica recently.
3. We have been experiencing severe kinking of the CTD cable. Cruise was commenced using a new cable which was kinking on just about every cast requiring retermination. Over the weekend operations were shifted to the forward CTD winch that has an older cable that has not been having trouble with kinking. On the first cast it kinked and required retermination. This raises the possibility it is something with the package that is causing a problem. We are continuing to investigate.
4. No significant material problems are reported.

#### **MELVILLE**

1. Conducted Gordon cruise in the Philippines and returned to Manila.
2. Loaded Craig Lee for the first of his cruises this year with Triax. Conducting the cruise off the coast of the Philippines.
3. Late last week there was a problem with loss of the port thruster. After about a day of troubleshooting, the problem was identified and corrected. Science was able to continue on one thruster without problem.
4. The ship diverted to Manila on Sunday morning to have a crew member complaining of numbness of this right hand due to fear of a possible stroke. Stroke was ruled out but crew member was retained for a day for further tests. Final determination was carpal tunnel syndrome. Person was picked up Monday and is back at work.
5. With port thruster back in commission, no significant material problems are reported.

6. Schedule still is a bit in flux with some minor changes having been done. The previously scheduled 71 out of service period in Hawaii has been cancelled. We have 2 weeks in Kaohsiung. 2 weeks in Guam and 2 weeks in Hawaii that the ship has no scheduled work.

### **NEW HORIZON**

1. Completed Lustic's trip and returned to port early.
2. Early RTP gave additional time to prepare for NSF inspection 4 – 5 Feb. Inspection was completed successfully. Upon receipt of the report all noted items will be evaluated and determination of what shall be done. Some problems were corrected immediately during the inspection. Ship was evaluated as Fit for Continued UNOLS service.
3. Next trip commences 29 Feb. This is servicing of NOAA DART buoys and ends in Puerto Caldera, Costa Rica. That is followed by an OBS cruise working with Langseth.
4. During the rest of the month we will be preparing for overhaul in May, overhauling #2 Generator engine, replacing the surge tank in the wash water system.
5. Other than planned maintenance, no material issues are reported.

### **ROBERT GORDON SPROUL**

1. Ship completed Hildebrand, Terrell and cruise for Mark Gillcrist from Spawars during the month.
2. Successfully completed NSF inspection 6 – 7 Feb. Ship was found Fit for Continued UNOLS Service. Discrepancies were noted in some areas. These are being prioritized and will be corrected as time and finances allow.
3. We received the computerized stability program for the ship and some problems were discovered. These are being resolved and we will have an operational program in the next couple months.
4. Pier side maintenance continues when the ship is in port.
5. We have 2 more Gillcrist trips scheduled this month.

## STS Status Report

STS Report to MOC, February 2008

### R/V MELVILLE

- 1) completed cruise for A. Gordon
  - a) numerous CTD casts
  - b) several Apex float deployments
  - c) new multibeam software installed, made improvement but still a few issues to be resolved
  - d) finalized CalComp routines for EM120, now working
  - e) new software for realtime display of EM120 data
  
- 2) beginning of cruise for C. Lee
  - a) installed science supplied Broadband 150 kHz ADCP in Instrument Well
  - b) replaced wind sensor that had failed on previous cruise
  - c) ship's agent had problems with shipping Liquid Scintillation Counter source after cruise for Flament, the radioactive source has been reloaded on to ship and will try to ship from Taiwan
  - d) AC unit for HiSeasNet antenna failed; temporary repairs made and replacement parts are being shipped to Taiwan

### R/V ROGER REVELLE

- 1) completed cruise for J. MacKinnon
  - a) continued upgrade of hardware and software for Hydrographic Doppler Sonar System (HDSS) by Pinkel's group
  - b) several CTD problems (cables and sensors) discovered and fixed, aided by troubleshooting from STS Electronics Techs ashore
  
- 2) beginning of CLIVAR cruise
  - a) sensor in HiSeasNet antenna replaced, with good results
  - b) experiencing kinks in CTD cable during casts in moderate seas

### R/V NEW HORIZON

- 1) completed cruise for D. Deprosopo
  - a) semi-successful cruise with complex moorings
  - b) problems with science supplied instrumentation, e.g. generator and communications
  - c) much use of ship's AVON for personnel transfers
  - d) HiSeasNet worked well for duration of cruise
  
- 2) NSF Inspection
  - a) ship was in good shape for inspection

b) a few minor problems were noted; these will be addressed

#### R/V SPROUL

1) completed cruises for Chavez, Hildebrand, Terril and Gillcrist

a) no major problems reported

2) NSF Inspection

a) ship was in good shape for inspection

b) noted age and wear of trawl winch; replacement should be considered

c) plan to investigate installation of cell phone repeater for voice and data

#### NSF

1) Waiting to hear about annual Technicians proposal

2) revising budgets to reflect current ship schedules

#### OTHER

1) continue to work on the effort to move STS, or part of it, to MarFac