

science support; however, a proposal for a tax to support the deep sea facility assets would be appropriate. Brad emphasized that is important that he and DESSC maintain an honest, open dialog.

ATLANTIS Modifications - Dick Pittenger stated that if the community was interested, WHOI will submit a proposal to increase the berthing capacity on ATLANTIS by six. The berthing modifications may be able to be made in January when the ship enters its PSA. There would be some trade-offs associated with the increased berthing. The additional berthing could compromise some science van storage, main lab space and limit endurance (food). Dick needs to know if these are major tradeoffs that would seriously impact the science capabilities of the ship. If the community desires the added berthing, WHOI will need an endorsement letter from DESSC. Mike Perfit has requested an increase of six additional berths on ATLANTIS but it appears that funding for this will not be available until at least the summer of 1998 at which time a more detailed plan will be developed.

LONG RANGE PLANNING: The Committee reviewed the list of programs (from the electronic requests) which have been funded or proposed for 1999, see *Appendix XIII*. Dan Fornari and Cindy Von Dover have funded work in the Indian Ocean in 1999. It was suggested that a message be sent to the community indicating where the funded work is located in 1999. The Committee discussed methods in which to educate the community on how to request assets for their research. There are two issues: (1) How to get vehicles committed for multi-year time series work, and (2) How to plan expeditionary research (when ROVs may be the only available facilities). DESSC has asked the funding agencies to provide the operators with more guidance regarding multi-year scheduling and they have agreed to provide it. It was suggested that Mike Perfit address this issue of planning in his next UNOLS Newsletter Article. It was recommended to further address this issue at the DESSC fall meeting in December.

Science Initiatives beyond 2000 - Mike Perfit requested that each Committee member send him a page highlighting their directions and facility needs for future deep submergence science. Mike will use these inputs to establish a white paper outline. Once the outline is in place, he will assign writing tasks to DESSC.

Public Outreach Programs - The meeting concluded with a discussion on ways in which to publicize deep submergence science achievements. It was recommended that a proposal be submitted to NSF's Education Division to support a Deep Submergence Science Lecture Program. The program would select guest speakers to discuss exciting topics in their field. The proposal would include support for the speakers, program development and brochure printing.

The meeting was adjourned at 1:00 p.m.

Appendix I

**Deep Submergence Science Committee
Carriage House, Woods Hole Oceanographic Institution
July 16-18, 1997**

MEETING BEGINS AT 9:00 AM

I. Introductory Remarks - (Perfit)

1. Logistics, Agenda items
2. Accept minutes

II. Discussion of Summer/Fall 1997 Deep Submergence Ops. Schedule (Perfit - Overview)

1. Latest news on constraints and priorities for accommodating science on JDF - (Moller/Pittenger and Agency Reps.)
2. Status of ROV traction winch and launch/recovery facilities on Atlantis - problems and plans for resolving them - (Walden/ Pittenger)
3. Impact to Fall ALVIN Schedule and to 1998 Atlantis and DSOG scheduling - (Perfit/Moller/Pittenger)

III. National Facility Operators Report (Pittenger/WHOI Personnel)

1. ALVIN Overhaul and Recertification - Walden/Foster
Results from first 2 science dives on MAR - (Fornari)
2. Jason and tethered vehicle Ops Summary - (Bowen)
W. Pacific & Mediterranean
Fryer cruise
Derbyshire cruise
Ballard cruise
3. Status of WHOI Deep Submergence Data Archiving Policy - (Fornari/Pittenger)

IV. Upgrades to National Facility Vehicles and Science Sensors

1. Status of Upgrade Proposal - (Walden/Fornari)
2. Plans for implementation of upgrades - (Walden/Fornari)
3. Questions to ONR and NOAA re: possible contributions to the upgrade effort- (Fornari)

V. Agency Reports

1. NSF - (P. Taylor, D. Elthon)
Results from May panel - updating DESSC/UNOLS deep submergence funded programs listing
2. ONR - (S. Millick)
Funded science programs
Clarification on Navy deep submergence vehicle decommissioning
3rd party tools
3. NOAA (G. Smith)
Funded programs
New NOAA funding paradigm
Significance for Deep Submergence Facility support
Interest in Navy assets
4. Status of interagency MOU
5. Other Deep Submergence Activities - (NURP, MBARI, ROPOS)

VI. 1998-1999 Deep Submergence Scheduling

1. Review of Planning Letters and Website postings - (Chandler/Moller)
2. Identification of funded programs, science/logistical constraints, different vehicle requests, and nature of time-series projects to achieve a workable schedule for PIs and funding agencies.
3. Additional Long Range Planning -
Future global deep submergence initiatives: Western Pacific, Indian Ocean, S.EPR, Mediterranean, Polar Regions
International collaboration initiatives (JAMSTEC/BRIDGE)
4. Discussion of traditional operating areas vs. expedition science.

VII. DESSC Sea Cliff Working Group Report (M. Perfit)

1. Results of survey
2. Meeting summary
3. Final report
4. Discussion of ATV retirement and request for DESSC input
 - a. Scripps initiative - Sept. meeting
 - b. Plans for new science ROV

VIII. DESSC Discussion of Integrated Facilities, Nested Survey Strategy and How to Better Educate the User Community on Conducting Field Programs With ALVIN, Jason, Argo-II and DSL-120 sonar - (Fornari/Orange/Fryer)

1. Jason letter , discussion and response

IX. DESSC White Paper Discussion-

1. Deep Submergence Science Initiatives- Beyond 2000
 - a. New Science ROV- planning and funding
2. Assignment of written sections to DESSC members

Deep Submergence Science Committee Social
Wednesday, 16 July 1997
5:00-7:00 p.m. Clark Building, 5th Floor

Woods Hole Oceanographic Institution invites the DESSC Meeting Participants to join representatives from WHOI for a Social on Wednesday, 16 July, 5:00 p.m., 5th floor of the Clark Building located on the Quissett Campus of the Woods Hole Oceanographic Institution.

Appendix II

DESSC Meeting - July 16-18, 1997

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