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## Appendix V

### UNOLS COUNCIL MEETING Coast Guard Agency Report 21 June 2000

#### USCGC HEALY Update

After delivery on 9 November 99 by Litton-Avondale Industries, HEALY underwent a period of fitting-out availability and repairs, and then departed New Orleans on 26 January 2000 to conduct Machinery/hull and science suite testing. Initial warm water trials were completed in March and then ice trials were conducted from April to June in an area near Baffin Island in the eastern Arctic. HEALY performed well, with icebreaking performance exceeding design requirements of 3.0 kts through 4.5 ft of ice. The maximum thickness of unbroken level ice encountered was 5.5 ft, which HEALY transited at a continuous speed of 2.6 kts. Ice ridges of 45 ft were broken through in 3 rams. At the time of this meeting, the warm water science trial and three legs of the science trials in ice have been completed and the final fourth science leg has just begun. Dr. James Swift reports that "Science systems are mostly working well. Problems are the same in general as those faced by each of the new large UNOLS vessels as they came on line." Members of the AICC and RVTEC have been major players in the planning of these tests and the Coast Guard is highly appreciative of their efforts.

After completion of the last science trial and a port call, HEALY will return to Seattle by transiting the Northwest Passage and then formal commissioning will take place in late August or early September. The first unrestricted science cruise is scheduled for spring of 2001.

#### POLAR Class Update

POLAR SEA started Operation Deep Freeze 1999 in the Antarctic in early November 1998. Upon completion of that 5-month deployment, the ship transited to the Arctic for a spring mission near St. Lawrence Island in April 99. POLAR SEA is now undergoing a "Reliability Improvement Project" yard availability in Todd Shipyards, Seattle. It is anticipated that this work will be completed in August 2000 and that the ship will be departing for Operation Deep Freeze 2001 in November 2000.

POLAR STAR completed major repairs to the centerline shaft and then deployed for Antarctic in mid-November 1999, completed Operation Deep Freeze 2000, and returned to Seattle in April 2000. Following an in-port period for voyage repairs, it will sail on an Arctic mission from late July to mid September.

### **Science Mission Planning**

The first planning meeting for HEALY's 2001 missions was held at the National Science Foundation (NSF) on 13 June. The meeting was attended by representatives of the Coast Guard and NSF. The group began work on drafting a preliminary schedule that NSF program managers can use to refine requirements with Principal Investigators. It is anticipated that the schedule will be released in August after final funding decisions have been made.

The Coast Guard Pacific Area Office has added a position to its Icebreaker Science Liaison staff to handle coordination of science logistics for HEALY cruises. The position has been filled with the hiring of Mr. Dave Forcucci, who comes to the Coast Guard from NOAA's Atlantic Oceanographic & Meteorological Laboratory.