

APPENDIX VII

Deep Submergence Science Committee

31 May - 2 June 1995

Woods Hole Oceanographic Institution
@ Carriage House/Quissett Campus

Overview

WHOI prepared to go ahead with *Knorr* conversion as proposed in April 1991 (AGOR-25 proposal).

Features of Conversion

- A-frame center-line versus offset to port.
 - Less expensive, fewer structural changes
 - Uses more deck space
 - Uses less main lab space
- Traction winch on deck vice below decks (not in original proposal).
- Crane to be moved off main deck.

Weight storage, handling as on Atlantis II

Navigation - separate proposal per Bellingham's DESSC subcommittee

RW KNORR

COMPARISON OF LAB & DECK SPACES (Area in ft.²)

MODIFIED AGOR 25 PROPOSAL

	Total	Main	Anal.	Upper	Wet	Lower	Top	Main Dk.
Total Area	2851	1320	260	483	148	260	380	2619
Unusable	479	192	23	77	18	55	114	-
Alvin	288	288	0	0	0	0	0	1076
Seabeam	103	0	0	83	0	0	20	-
Science	2227	1086	237	323	130	205	246	1543

JUNE '94 CONCEPT

	Total	Main	Anal.	Upper	Wet	Lower	Top	Main Dk.
Total Area	2851	1320	260	483	148	260	380	3061
Unusable	479	192	23	77	18	55	114	-
Alvin	288	288	0	0	0	0	0	1341

Seabeam	103	0	0	83	0	0	20	-
Science	1981	840	237	323	130	205	246	1720

	LULU	ATLANTIS II	KNORR
LOA	105 ft.	210 ft.	279 ft.
Beam	48 ft.	44 ft.	46 ft.
Displacement	480 Ltons	2,300 Ltons	2,635 Ltons
Crew	9	22	22
Science:			
DSV/Tech	9	9	13
Party	8	19	21
Generators	150 kw	600 kw	1,780 kw
Cruising Speed	6.5 kts	10.5 kts	12 kts
Endurance	20 days	30 days	60 days
Range	2,000 mi.	9,000 mi.	12,000 mi
Labs	One Van	4 labs-1031 sq.ft.	6 labs-1,981 sq.ft.
Modified KNORR			2227 sq.ft.

Key Objectives for WHOI 1996-1998

Short-Term (during transition period)

- Science Support Continuity and Excellence
- Keep ALVIN and ROV's Viable (personnel, team skills perishable)
 - Overhaul ALVIN
- Minimize Impact on Marine Crews
 - Minimum overlap of ATLANTIS II, KNORR out of service
- Minimize Cost to Feds

Long-Term

Build to First Class National Facility

This appendix includes deck layouts for AGOR 25 as the ALVIN Handling vessel, and operating/conversion schedules for AGOR 25 and KNORR. They can be obtained by contacting the UNOLS office at:

e-mail unols@gsosun1.gso.uri.edu

phone (401) 792 - 6825

[Return to Minutes](#)