

UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

EAST COAST SHIP SCHEDULING GROUP
 WEST COAST SHIP SCHEDULING GROUP
 REPORT OF JOINT MEETING
 OCTOBER 25, 1984

The East and West Coast Regional Ship Scheduling Group met separately and jointly at the National Science Foundation, 1800 G Street N.W., Washington, D.C. on May 23, 1984.

Individual meetings for the two groups were called to order at 9:00 a.m. by Robertson P. Dinsmore (East) and Brian Lewis (West).

Review and updates of 1984 ship schedules, operations, costs and agency support were quickly made. The reviews revealed that total operating days had decreased less than 3% to 4,982 days. This use is approximately 11% more than the actual 4,494 days used in 1983. Associated cost increase is 10%. As can be seen in the Profile of Funding Cycles, 1984 Operations, estimates for 1984 costs have converged with funding anticipated to be available for 1984 operations. Schedules of both the KNORR and the MELVILLE were curtailed due to unanticipated repair periods. Ship schedules for 1984 are being updated on the UNOLS Ship Schedule Bulletin Board *Ship.Sched84*.

The ELLEN B. SCRIPPS has been replaced by the ROBERT G. SPROUL, and the KANA KEOKI has been replaced by the MOANA WAVE.

PROFILE OF FUNDING CYCLES
 \$MILLION

	OP DAYS	NSF	ONR	OTHER	TOTAL	SHORT FALL
1982	4399	21.2	3.4	4.8	29.4	----
1983	4494	23.4	3.9	5.3	32.6	----
1984 OPERATIONS						
May '83						
Projection (Anticipated)	6,016	28.7 (25.4)	4.4 (4.1)	6.4 (6.4)	39.5 (35.9)	(\$0.4)
Oct. '83						
Projection (Anticipated)	5,892	27.4 (25.0)	5.0 (4.5)	8.3 (8.0)	40.7 (37.5)	(\$3.2)
Feb., Mar., '84						
Projection (Anticipated)	5,435	25.5 (24.3)	4.8 (4.8)	7.9 (7.2)	38.2 (36.2)	(\$2.0)
May '84						
Projection (Anticipated)	5,210	24.7 (24.3)	4.8 (4.8)	7.2 (7.2)	36.7 (36.2)	(\$0.4)
Oct. '84						
Projection (Anticipated)	4,982	24.2 (24.2)	4.3 (4.3)	7.3 (7.3)	35.8 (35.8)	---



Ship schedules, operations, costs and agency support for 1985 were next projected by individual institutions, discussed and summarized.

Schedule updates can be reviewed on the UNOLS ship schedule bulletin board *Ship.Sched85*. Operations, costs and funding summaries are in the tables Summary of 1985 Cost Projections.

Projections are for 5,213 days ship operations, an increase of 231 days (about 5%) over use estimated for 1984. Costs are estimated to increase by about 3%. Despite relatively stable total costs, a shortfall of approximately \$3.4M is projected. One factor is that funding anticipated from other than NSF and ONR has decreased from \$7.3M in 1984 to \$4.2 in 1985.

Although almost all of the ship use projected for 1985 is solidly funded thus lending stability to schedules, there are some soft spots and uncertainties:

The KNORR is the only large ship scheduled in the North Atlantic, and is presently scheduled for only 188 days. The ship could be laid up for up to 3 months in early 1985 or could do some work in the South Atlantic.

One University of Miami ship does not have a full schedule. (In the tables within this report. No 1985 projection is made for the CAPE FLORIDA.)

Some Division of Polar Programs work in the South Atlantic has not been scheduled within the fleet.

According to present schedules the ATLANTIS II (with ALVIN), CONRAD, MOANA WAVE, THOMPSON and WASHINGTON would all end 1985 in the Western Pacific. For that and other reasons some projects may be moved among these ships and schedules may still be revised.

EAST-WEST SCHEDULING MEETING
 October 25, 1984

Summary of 1985 Cost Projections

Projections made October 25, 1984

\$Million

	OP DAYS	NSF	ONR	OTHER	TOTAL
EAST	2,758	14.782	2.354	2.442	19.578
WEST	2,455	13.610	1.835	1.765	17.223
TOTAL	5,213	28.392	4.189	4.207	36.791
ANTICIPATED	-	25.0	4.2	4.2	33.4
PROJECTED SHORTFALL	-	3.392	-	-	\$3.392

Similar Projections, May 23, 1984

EAST	3,435	15.894	3.094	5.215	24.203
WEST	2,564	15.098	1.785	1.373	18.257
TOTAL	5,999	30.992	4.879	6.588	42.460

Similar Projections, February, March, 1984

EAST	3,268	13.926	2.987	6.482	23.395
WEST	2,621	14.776	2.422	1.137	18.336
TOTAL	5,889	28.702	5.409	7.619	41.731

1985 COST PROJECTIONS

SHIP	PROJECTED 1985 COSTS							
	1984 \$ NSF	1984 \$ TOTAL	1984 OP DAYS	1985 OP DAYS	NSF \$K	ONR \$K	OTHER \$K	TOTAL \$K
ATLANTIS II	2385	3177	321	293	2732	243	265	3,241
KNORR	2037	2832	205	188	1175	1175	-	2,350
CONRAD	2191	2861	310	315	2861	541	Indus 312	3,263
OCEANUS	657	1480	250	257	1332	62	MMS 388	1,782
ENDEAVOR	883	1457	237	235	1169	161	MMS 315	1,645
GYRE	1099	1869	272	281	1343	70	USGS ₄₃₈ TAMU ₁₀₄	1,955
ISELIN	1203	1537	236	240	1400	-	MMS 100 USGS ₁₀₀	1,600
CAPE HENLOPEN	292	748	157	187	622	59	MMS 157 NOAA 78	916
CAPE HATTERAS	1137	1374	250	250	1083	-	MMS 103 NC 57 DOE 182	1,425
CAPE FLORIDA	848	1158	222					
WARFIELD	545	545	146	157	535	-	NOAA 32	567
BLUE FIN	131	198	166	170	124	-	DOE 47	172
LONGHORN	-	-	-	-	-	-	-	-
CALANUS	162	185	92	132	158	43	NOAA 36	237
MOORE	-	536	68	53	248	-	Indus State ₉₆ 81	425
TOTALS	13,570	20,120	2,932	2,758	14,782	2,354	2,442	19,578

1985 COST PROJECTIONS

SHIP	1983 COSTS	1984 COSTS (Proposed)	1984 OP DAYS	PROJECTED 1985 COSTS				TOTAL
				1985 OP DAYS	NSF	ONR	OTHER	
MELVILLE	3181	2781	200	249	2723	0	Sandia 194	3,000
WASHINGTON	1837	3110	293	259	1839	1156		2,995
NEW HORIZON	1406	1855	254	207	987	70	UC 396 DOE 155	1,608
R. G. SPROUL	437	415	130 42	159	356	65	UC 90 DOE 61	572
VELERO IV	565	608	93	205	862	-	MLML 85 Local Gov. 51	862
CAYUSE	488	396	85	136	287	37		460
WECOMA	1832	1613	214	242	1683	151		1,834
THOMPSON	1616	2281	264	258	2115	354		2,469
BARNES/ HOH/ ONAR	171	135	118	199	141	2	17	160
ALPHA HELI	1397	1255	114	204	1500		Alaska 15	1,515
KANA KEOKI	1305	930	155	-	-	-		-
MOANA WAVE	-	318	53	337	1117*	0	AIDE 701	1,818
TOTALS	14,237	15,697	2,015	2,455	13,610	1,835	1,765	7,223

* includes 291K-JOI

1984 PROJECTIONS

SHIP	OP DAYS	NSF \$K	ONR \$K	OTHER		TOTAL \$K
				\$K	\$K	
MELVILLE	200	2475	0	DC 14 Sandia 292		2,781
WASHINGTON	293	1560	1412	UC 138		3,110
NEW HORIZON	254	241	343	UC 1117 DARPA 153		1,855
E. B. SCRIPPS	123	205	46	20		315
R. G. SPROUL	39	59	3	44 38		100
VELERO IV	117	608	-			608
CAYUSE	85	233	-	Local 56 MLML 107		396
WECOMA	214	1546	37	30		1,613
THOMPSON	264	1823	458			2,281
BARNES	98	89	0	10		99
ONR	41	34	0	2		36
ALPHA HELIX	114	1233	-	22		1,255
KANA KEOKI	155	420	126	384		930
MOANA WAVE	53	108	0	210		318*
TOTAL	2,050	10,634	2,425	2,637		15,697

EAST COAST	2,932	13,570	1,844	4,706	20,120
TOTAL	4,982	24,204	4,269	7,343	35,817

* rest of year MOANA WAVE on fixed price with Navy