



# UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM



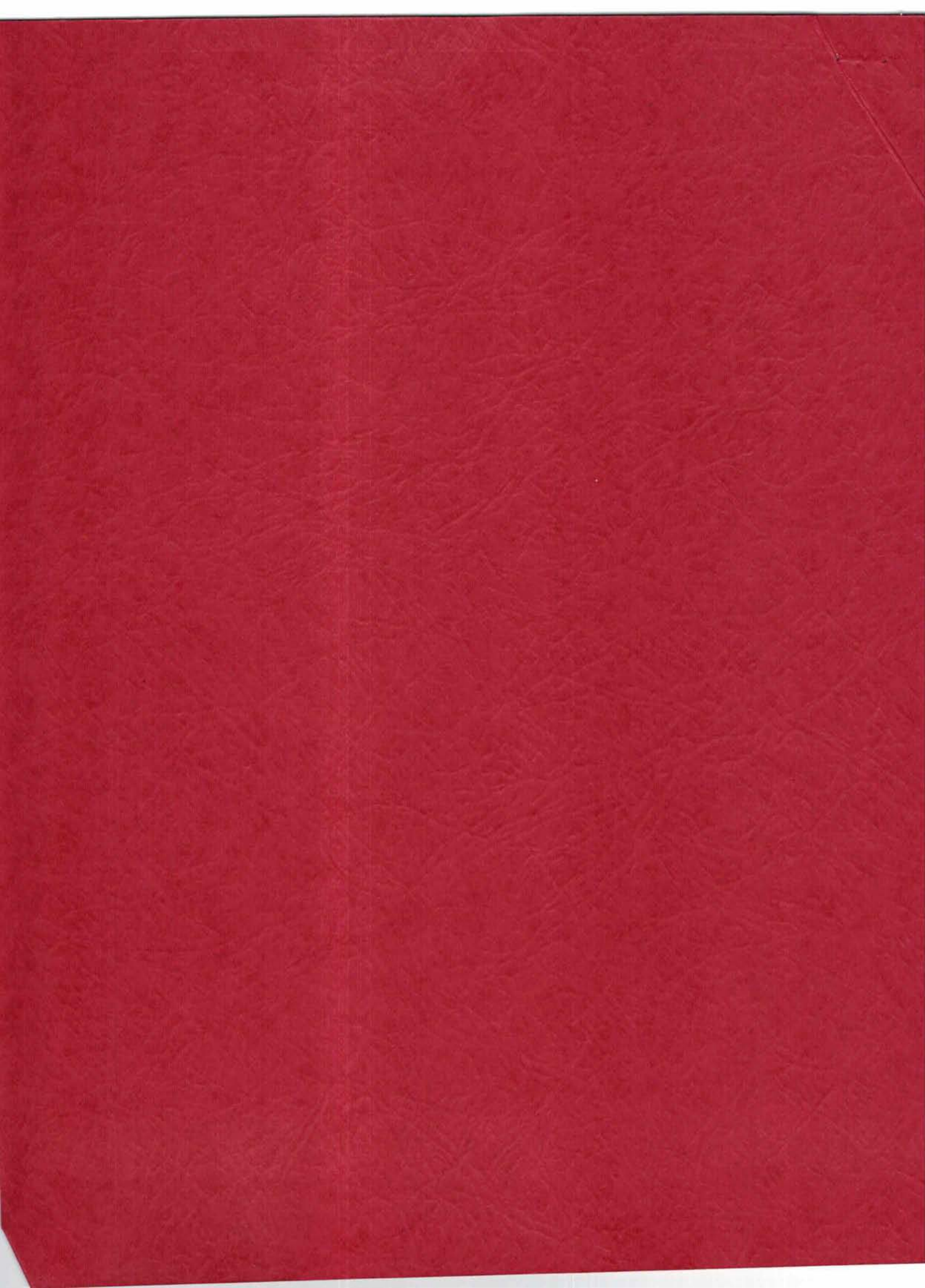
EAST COAST SHIP SCHEDULING GROUP  
WEST COAST SHIP SCHEDULING GROUP  
REPORT OF JOINT MEETING  
October 22, 1985  
Rooms 543 and 623  
National Science Foundation  
1800 G Street  
Washington, D.C.

The East and West Regional Ship Scheduling Groups met separately (8:30 a.m.) and jointly (10:45 a.m.) at the National Science Foundation, Washington, D.C. The separate meetings were chaired by Robertson P. Dinsmore (East) and Brian Lewis (West). They co-chaired the joint meeting, together with a Special Meeting to address issues of potential lay-ups, consolidation of schedules, and arrangements to accommodate critical funded projects. All UNOLS Member Institutions, together with interested Associate Member Institutions, were represented at the separate and joint meetings. The Special Meeting was attended by representatives of Ships/Institutions directly affected, ONR, MMS and USGS representatives provided information on ship needs, potential ship use and project funding. Representatives from NSF, OCE3, OSRS, ODP and DPP, provided full information on science project funding status, facilities and operations funding status, ocean drilling program plans and operational plans for the POLAR DURE. Information provided by these Federal agency program managers was the basis for 1986 schedule changes made and lay-ups recommended to reduce total fleet operating costs to a level close to the anticipated total funding level.

Review of 1985 Schedules and Costs. Schedules and Costs for 1985 were quickly reviewed. They are summarized in the attached tables, 1985 Estimates, and in the following table, Profile of Funding Cycles, 1985 Cost Projections. Schedules for individual ships are being updated on the UNOLS bulletin board: SHIP.SCHED85.







PROFILE OF FUNDING CYCLES  
\$ MILLION

	OP DAYS	NSF	ONR	OTHER	TOTAL	SHORTFALL
1983	4,499	23.4	3.9	5.3	32.6	-
1984	4,816	23.1	4.0	7.0	34.6	-
1985 COST PROJECTIONS						
MARCH 84 PROJECTION (ANTICIPATED)	5,889	28.7 (25.0)	5.4 (5.4)	7.6 (7.6)	41.7 (38.0)	(3.7)
MAY 84 PROJECTION (ANTICIPATED)	5,999	31.0 (25.0)	4.9 (4.9)	6.6 (6.6)	42.5 (36.5)	(6.0)
OCTOBER 84 PROJECTION (ANTICIPATED)	5,213	28.4 (25.0)	4.2 (4.2)	4.2 (4.2)	36.8 (33.4)	(3.4)
MARCH 85 PROJECTION (ANTICIPATED)	4,952	26.5 (25.0)	4.0 (4.0)	5.6 (5.6)	36.2 (34.6)	(1.6)
MAY 85 PROJECTION (ANTICIPATED)	4,994	26.6 (25.0)	4.4 (4.4)	6.3 (6.3)	37.2 (35.7)	(1.5)
OCTOBER 85 PROJECTION (ANTICIPATED)	4,619	25.6 (25.6)	4.1 (4.1)	6.0 (6.0)	35.7 (35.7)	-

Review of 1986 Schedules, Costs and Agency Support. Summaries of 1986 ship operation cost estimates are in the table below.

SUMMARY OF 1986 COST PROJECTIONS

	OP DAYS	NSF	COSTS ONR	OTHER	TOTAL
OCT 22, 1985 PROJECTIONS					
EAST	2,884	15,963	3,470	2,886	22,318
WEST	2,426	15,226	1,325	2,920	19,470
TOTAL	5,310	31,189	4,795	5,806	41,788

ANTICIPATED\* 25.5M 4.8M 5.8M 36.1  
PROJECTED SHORTFALL (5.7) -- -- (5.7)

\*NSF, ONR and other program officials



## SIMILAR PROJECTIONS MADE MAY, 1985

EAST	3,220	15,470	5,008	2,642	23,120
WEST	2,537	16,782	772	2,160	19,716
TOTAL	<u>5,757</u>	<u>32,252</u>	<u>5,780</u>	<u>4,802</u>	<u>42,836</u>
ANTICIPATED		26.M	4.2M	3.8M	34.6M
PROJECTED SHORTFALL		(5.6)	(1.6)	-	(7.2M)

## SIMILAR PROJECTIONS MADE MARCH, 1985

EAST	3,150	15,595	4,244	2,408	22,247
WEST	2,550	16,392	1,189	1,392	18,974
TOTAL	<u>5,700</u>	<u>31,987</u>	<u>5,433</u>	<u>3,800</u>	<u>41,221</u>
ANTICIPATED					
PROJECTED SHORTFALL		?	?	?	?

Cost and operations projections for 1986 remained at a relatively high level, despite funding-agency forecasts that funds would remain at about 1985 levels. Total ship use was projected at over 5,300 days--a significant reduction from the 5,757 days forecast in May, 1985, but still, higher than the 4,500, 4,800 and 4,600 in 1983, 84 and 85.

Cost estimates exceeded the funding anticipated by \$5.7M, all within proposals to NSF. Further, science program managers indicated that funded science ship requirements would be less than the 5,300 days/\$41.8M ship use projected.

A project-by-project funding status review was made for all ships and schedules, together with efforts to eliminate transit time and consolidate schedules through intership project exchanges. (NSF program managers in particular provided excellent information on project funding status.) Virtually every project that had not already been funded was eliminated from 1986 schedule consideration. (Only a few projects still pending will receive schedule consideration. Further, NSF managers announced that for 1987 and subsequent years science proposals must be submitted in time for spring and summer (February, June) panels or they would not get ship time. Only extreme, time-critical justifications would be excepted.)

NSF program managers announced a number of ship operations funding decisions that also affected scheduling:

The CAYUSE would not be funded for operation in 1986. (MLML'S 1986 cost projections did not include CAYUSE operations.)

The CAPE FLORIDA would be transferred from the University of Miami to the West Coast for operation by MLML under CENCAL in 1986.

The OSPREY would not be funded for operation.

The various funding and operational decisions served to identify significant schedule changes in many ships:

East Coast

CAPE HENLOPEN  
 CONRAD  
 ENDEAVOR  
 GYRE  
 ISELIN  
 KNORR

West Coast

OSPREY  
 SPROUL  
 WASHINGTON  
 WECOMA

**SPECIAL MEETING.** A special meeting was convened at 1:30 p.m. to address schedule problems, especially among the above-listed ships, to identify cost savings and, potentially, to recommend additional lay-ups. Chairman of the two scheduling groups together with representatives of the University of Rhode Island, Texas A & M University, the University of Miami, Woods Hole, Scripps and Oregon State University attended.

Elimination of unfunded projects, schedule consolidation and some trading resulted in operator-estimated cost reductions:

EAST COAST	in \$1,000	
CAPE HENLOPEN, reduction in days	130	
CONRAD, reduction in days	200	
ENDEAVOR, reduction in days	100	
GYRE, reduction in days	50	
ISELIN, reduction in days	140	
KNORR, partial layup	1,170	
	subtotal	<u>\$1,790</u>
WEST COAST		
OSPREY, layup	435	~ 600
SPROUL, reduction in days	100	
WASHINGTON, reduction in days	450	
WECOMA, reduction in days	120	
	subtotal	<u>\$1,105</u>
	TOTAL	<u>\$2,895</u>

These savings would reduce the anticipated shortfall (both in NSF proposals and total fleet funding) from \$5.7M to \$2.8M.

The Chairmen of the two Ship Scheduling Groups noted that with the changes made, the WECOMA would have only 84 days operation in 1986. They recommended that, should additional cost-saving measures be required, the 84 days be transferred to other ships and the WECOMA be laid up for most or all of 1986. This could reduce fleet cost by an additional \$725,000, leaving a potential shortfall of \$2.1M.

A number of projects were identified to be shifted from one ship or institution to another; problems so identified were to be addressed by the ship operators involved in the days immediately following UNOLS meetings.

Ship schedules will be posted on the telemail bulletin board SHIP.SCHED86 as they are developed.

Current inventories of wire and cable together with requirements for 1986 were collected from individual institutions, for use in the Wire and Cable Pool.

Ship scheduling meetings were adjourned at 3:10 p.m.



Date 22 October 1985

## 1986 COST PROJECTIONS

## PROJECTED 1986 COSTS

SHIP	1985 COSTS NSF	1985 COSTS (Proposed)	1985 OP DAYS	1986 OP DAYS	NSF	ONR	OTHER	TOTAL
ATLANTIS II	2815	3230	267	261	2350	149	1041	3540
KNORR	1721	2542	186	255	2074	1476	-	3550
CONRAD	2301.2	3264	358	320	2290.7	770.6	NRL 316.7	3378
OCEANUS	1218	1658	226	252	1229	661	-	1890
ENDEAVOR	1478	1797	253	238	1247	73	406	1726
GYRE	942	1920	268	294	1856	91	120	2067
ISELIN	437	448	Laid Up	246	1846	120	-	1966
CAPE HENLOPEN	542.8	925	167	194	627	111	31MMS 181	950
CAPE HATTERAS	1026	1412	245	244	1168	-	178MMS 58 State	1404
CAPE FLORIDA	-	-	-	-	-	-	-	-
WARFIELD	506	506	138	137	577	-	-	577
BLUE FIN	81	190	140	136	77	-	86	163
LAURENTIAN	136	146	43	120	370	-	6	376
CALANUS	170	238	157	177	251	18	-	269
MOORE	200	466	44	10	-	-	State 462	462
TOTAL	13,574	18,742	2,492	2,884	15,963	3,470	2,886	22,318
WEST COAST	11,987	16,947	2,127	2,426	15,226	1,325	2,920	19,470
TOTALS	25,561	35,689	4,619	5,310	31,189	4,795	5,806	41,788

Date 22 October 1985

1986 COST PROJECTIONS

PROJECTED 1986 COSTS

SHIP	1985 COSTS NSF	1985 COSTS (Proposed)	1985 OP DAYS	1986 OP DAYS	NSF	ONR	OTHER	TOTAL
MELVILLE	2572	3129	275	231	2547	-	DOE 414 UC 26	2986
WASHINGTON	1019	2833	239	280	2902	401	-	3303
NEW HORIZON	871	1537	194	236	1080	45	DOE 302 UC 355	1782
ROBT. G. SPROUL	381	580	131	223	735	10	DOE 35	780
VELERO IV / OSPREY	364	382	85	101	635	-	GS 104 NPS 139	878
CAYUSE/C.FLA	231	422	106	159	328	52	594	974
WECOMA	1462	1666	213	201	1333	152	313	1798
THOMPSON	2224	2640	271	280	2688	448	-	3136
BARNES	198	230	150	200	229	7	26	262
ALPHA HELIX	1478	1528	153	207	1534	-	15	1549
MOANA WAVE	1187	2000	310	308	1215	210	597	2022
TOTAL	11,987	16,947	2,127	2,426	15,226	1,325	2,920	19,470




## UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

An association of institutions  
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of university oceanographic facilities

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TO: East Coast Scheduling Group  
West Coast Scheduling Group

FROM: William D. Barbee   
Executive Secretary, UNOLS

SUBJECT: Scheduling Meetings, October 22, 1985

The Fall Meetings for the East Coast and West Coast Ship Scheduling Groups, a joint meeting of the two groups, a special meeting to address problem schedules, consolidate to produce effective schedules and, potentially, to recommend necessary lay-ups will be held Tuesday, October 22, 1985 in Washington, D.C. The UNOLS National Expeditionary Planning Committee will also meet.

## Schedule of Meetings

8:30 a.m. - 10:30 a.m.	East Coast Group	Room 543 National Science Foundation 1800 G Street NW
	West Coast Group	Room 628 National Science Foundation 1800 G Street NW
10:30 a.m. - 12:00 noon	Joint Meeting East and West Coast Groups	Room 543
1:00 p.m. - 2:30 p.m.	Special Meeting Representatives of affected ships/institutions	Room 543
2:30 p.m. - 5:00 p.m.	UNEPC	Room 543

Attachments: Ship.Sched 85 - Your ships, latest entries  
Ship.Sched 86 - Your ships, latest entries  
1985 Cost estimates dated May 21, 1985  
1986 Cost estimates dated May 21, 1985

Distribution:

UNOLS Institutions:

University of Hawaii:

Helsley  
Campbell

University of Alaska:

Royer

University of Washington:

Dieter

Lewis

Jeffers

Oregon State University

Caldwell

Gutierrez

Palfrey

Moss Landing Marine Laboratories:

Martin

Johnston

University of Southern California:

Douglas

Keach

Newman

University of California-Scripps:

Shor

University of Michigan:

Beeton

Katz

Texas A & M University:

Treadwell

University of Texas:

Maxwell

Jones

Mitchell

University of Miami, R.S.M.A.S.:

Van Leer

Hutchinson

University System of Georgia, Skidaway:

Menzel

Duke/University of North Carolina:

Frankenberg

Nelson

Ustach

Johns Hopkins University - C.B.I.:

Harding

Cornwall

University of Delaware:

Thoroughgood

Owen

Columbia University, LDGO:

Hayes

Rawson

Shor

University of Rhode Island:

Griffin

Bash

Woods Hole Oceanographic Institution:

Grice

Dinsmore

Donnelly



UNEPC Members not already included:

Rooth  
Corell  
Hussong  
Langseth

Agencies:

NSF:

Heinrichs  
McMillan  
Clark  
West  
Wall  
La Count

ONR:

Kaulum  
Lovaas

NOAA:

Townsend  
Albright  
Finkle

USGS:

Rowland

MMS:

Thomas

DOE:

Osterberg

EPA:

Mclain

Stewart

(A/C representative)

# UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

## AGENDA

### INDIVIDUAL MEETINGS

1. Assemble institution inputs on 1985 ship schedules, operations, ship costs and agency support. The 1985 information will not be reviewed--or review will be extremely brief unless there are explicit problems.
2. Review and discuss projected 1986 ship schedules, operations and costs, and agency support.

Update 1986 ship scheduling information as shown on current Ship.Sched.86 bulletin board (attached for your ships).

Update by ship 1986 Cost Projections (basis will be 1986 Cost Projections dated May 21, 1985). Institutions should use their latest information to update the May 21 summaries.

3. Assembly of any unfilled 1986 Ship Time Requests held by operating institutions.
4. Comparison of unfilled 1986 Ship Time Requests with Tentative Schedules. Address problems, revise schedules as necessary.
5. New (since May, 1986) information on expeditionary plans 1987 and beyond.

### JOINT MEETING

6. Combine East and West Coast ship schedules, operating, costs, and agency support information for 1985. This information will not be reviewed unless there are problems.
7. Combine East and West Coast Ships Schedules, operating cost and agency support information for 1986. Assemble unfilled 1986 Ship Time Requests.

Includes comparison of projected total UNOLS fleet costs for 1986 with estimated agency support.

Identify problems with unfilled 1986 Ship Time Requests. Resolve as possible.

Identify ships or segments of the fleet with marginal or ineffective schedules for 1986.

8. Assembly of expeditionary planning information (for UNEPC)





9. Wire and Cable Pool.

Report on current inventories of wire and cable.  
Wire and cable requirements for 1986.

**SPECIAL SCHEDULING MEETING.**

A meeting had been scheduled for September 24 to address problem areas anticipated in the 1986 schedules for Class C ships. The meeting was later deferred.

This Special Meeting is called to:

Address problems in schedules for individual ships or segments of the UNOLS fleet.

Identify ships or segments of the fleet with marginal or ineffective schedules for 1986 (see Joint Meeting Agenda).

Consolidate or rearrange schedules to accommodate unfilled funded Ship Time Requests and develop effective schedules.

Recommend 1986 Ship lay-ups as necessary.

Attendees at this meeting should be representatives of those ships or institutions with 1986 scheduling problems or who would be affected by rescheduling.

**MATERIALS FOR OCTOBER 22 MEETING**

So that meetings can progress effectively, each UNOLS institution should bring the following information:

- 15 Copies: Update 1985 ship schedules.  
Please mark up the attached schedule from Ship.Sched85.
- 15 Copies: Update 1985 Cost Estimates.  
Mark up to correct the attached 1985 Cost Estimates.
- 15 Copies: Update 1986 ship schedules.  
Mark up to correct attached schedules from Ship.Sched86.
- 15 Copies: Update 1986 Cost Projections.  
Mark up to correct attached 1986 Cost Projections summary.
- 15 Copies: Unfilled 1986 Ship Time Requests held by your institution.
- 15 Copies: New information on post 1986 expeditionary plan.
- 15 Copies: Table 1 (B), Section 8, your 1986 Ship Ops Proposal (1985 costs)
- 15 Copies: Table 1 (C), Section 8, your 1986 Ship Ops Proposal (1986 Costs)
- 5 Copies: Current standard size wire and cable inventories and requirements for 1986





