

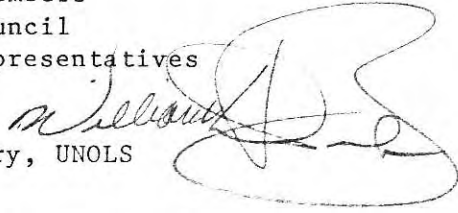
UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

An association of institutions
for the coordination and support
of university oceanographic facilities

UNOLS Office, WB-15
School of Oceanography
University of Washington
Seattle, Washington 98195

March 9, 1984

To: West Coast Ship Scheduling Group
East Coast Ship Scheduling Group
UNOLS Members
UNOLS Associate Members
UNOLS Advisory Council
Federal Agency Representatives

From: William D. Barbee 
Executive Secretary, UNOLS

Subject: West Coast Ship Scheduling Group Meeting,
February 27, 28, 1984

This distributes the Report of the West Coast Ship Scheduling Group held February 27, 28, 1984 in Seattle, Washington. Preliminary schedules and tentative cost projections suggest that the West Coast portion of the UNOLS fleet will be very heavily used in 1985. Although the schedules advanced by some institutions are still dependent on science proposals not yet funded and there was one instance (off Peru) where two institutions had tentatively booked the same projects, schedules were firmer than at this time in recent years. The group agreed that scientists had submitted both ship time requests and science proposals in a more timely fashion than in recent years.

Those principal investigators who have made timely submissions are commended for their aid to the ship scheduling process. Another commendable policy of great aid to ship planning and scheduling is that of funding agencies committing to multi-year projects and programs.

The workshop on NSF ship operations proposals was well received. The free exchange between R. R. La Count and John McMillan of OFS and the assembled UNOLS ship operators and schedulers was informative and effective.

West Coast Ship Scheduling Group
Report of Meeting
February 27, 28, 1984
Seattle, Washington

The West Coast Ship Scheduling Group met at 9:00 a.m., February 27, 1984 in Room 123, Marine Science Building, School of Oceanography, University of Washington, Seattle, Washington. The meeting was called to order by Chairman Brian T. R. Lewis, University of Washington. Except as noted, the order of business followed the agenda distributed before the meeting (Appendix I). Attendees are listed in Appendix II.

At the beginning of the meeting, Bill Barbee, UNOLS, informed attendees of negotiations under way to contract for medical advisory service on a UNOLS fleet basis. The contract, through the UNOLS Office, funded in the UNOLS grant, would replace those contracts presently in force at individual institutions, and would provide service directly to each UNOLS institution/ship.

1984 Schedules. Schedules for 1984 will be entered onto the UNOLS ship scheduling bulletin board. In general, only minor changes have been made since December 1983. The University of Alaska's ALPHA HELIX is scheduled for 119 days in 1984. Decline from earlier projections is because two projects, ISHTAR and SIPEX were not reviewed for 1984. The University of Southern California's VELERO IV will operate through September on a 131 day schedule. The University of Hawaii's KANA KEOKI is funded through June. The present schedule has the ship in Yokahama in late June, facing an unproductive transit to Midway. The tentative schedule for KANA KEOKI includes EEZ and other work in the mid Pacific through August after which the ship will interface with MOANA WAVE for outfitting, etc. The MOANA WAVE will be in shipyard in Alabama for drydock, restoration and stretch until transit to Honolulu in August.

All other West Coast ship/institution schedules are heavy and solid.

One significant scheduling ambiguity exists for 1984 (or early 1985): Two Bigelow Laboratory projects off Peru have been discussed with both Oregon State University for the WECOMA and University of Hawaii for the MOANA WAVE. The projects are now provisionally scheduled on both ships but NSF, principal investigators and NSF are alerted.

Cost and funding information was provided for 1984 and are summarized in Appendix III, in comparison to summaries made in October, 1983.

1984 Projections

	October, 1983	February, 1984
Operation days	2,593	2,227
NSF Funds	\$12.6M	\$11.4M
ONR Funds	2.4M	2.9M
Other Funds	<u>3.1M</u>	<u>2.2M</u>
TOTAL	18.2M	16.5M

The 1985 tentative schedule was developed before considering 1985 ship Time Request problems. A summary of 1985 operations, costs and proposed funding is shown in Appendix IV. In comparison to 1984 (above):

1985 Projections

		Incr. Over 1984
Operations days	2,621	394 days
NSF Funds	14.8M	3.4M
ONR Funds	2.4M	-0.5M
Other Funds	<u>1.1M</u>	<u>-1.1M</u>
TOTAL	18.3M	1.8M

The University of Alaska holds 335 days' ship requests and has projected a 247 day ALPHA HELIX schedule. However many projects have not yet been submitted and ISHTAR is again an uncertainty. The schedule demands basing in Nome for much of the summer--expensive and difficult. The ALPHA HELIX will have an ABS 5-year survey in December, 1985.

The University of Washington's THOMPSON is currently projected for 243 days (with costs projected for 260 days). The schedule is relatively firm except for one 35 project not yet proposed. That project is critical because it provides productive return from Japan to Midway.

Oregon State University's WECOMA has a relatively solid 240 day schedule. The schedule includes 65 days for Bigelow Labs off Peru (not yet resolved). Additional days could be accommodated in November-December.

Moss Landing's CAYUSE is fairly firmly scheduled with regional work out of Monterey Bay. The Navy Post Graduate School's ACANIA will go out of service in September and this may provide additional work.

USC's VELERO IV projects a schedule of 215 days, 60-70% firm. All work is regional. USC's efforts to define the ship characteristics for and acquire a replacement for VELERO IV continue. Parallel efforts address the OSPREY and hulls in the 150-185 ft range.

Scripps schedules for the MELVILLE, WASHINGTON, NEW HORIZON and E.B. SCRIPPS are all heavy and relatively firm (for February). MELVILLE is

scheduled for 297 days including Munk/Worcester work not yet firm and ending 1985 having undertaken an ambitious series of Reid/Nowlin cruises in Southern Oceans. The WASHINGTON is scheduled for 297 days beginning in Montevideo and ending (perhaps) in Valpariso. One-third of the work is firm, one-third probable and one-third unknown. The 227 days on NEW HORIZON are firm except for about 20 days proposed for DOE that awaits decisions on the fate of their ocean programs. The SCRIPPS (or replacement) schedule is currently projected on the basis of 177 days. There is time available throughout the year.

The University of Hawaii has projected costs for MOANA WAVE on the basis of 316 days. The schedule is firm during the early part of 1985, open October and beyond.

USGS projects and schedules for 1985 must await appropriations action. Tentatively the agency plans EEZ work along the west coast in March and April and Beaufort Sea work in October. (All USGS projections are subject to the strongest contingency option extant: DO NOT MAKE ANY PLANS BASED ON THIS SCHEDULE THAT YOU WOULD BE UNABLE TO CHANGE ON SHORT NOTICE.)

It was the sense of the West Coast Ship Schedulers that principal investigators had submitted both Ship Time Requests and science proposals in a more timely fashion than in the recent past. This has led to a more advanced stage in scheduling than that of recent Februarys. Those investigators who submitted on time, funding agency program and facilities managers who encouraged timely submission and the operators are all applauded for these conscientious efforts.

A summary of 1985 UNOLS West Coast Ship Schedules is included in Appendix V.

Most Ship Time Requests on hand are being accommodated. East and West Coast coordination is not yet complete. Some additional problems may arise.

George Shor discussed long range plans and planning based on UNEPC summaries and workshops. More than 30 notices of intent have been received to use ships in 1986 and 1987. This is a good start, but not yet a comprehensive planning base for expeditionary planning. Although workshops work well for ALVIN/ATLANTIS II they have not proven effective for considering the UNOLS fleet at large. Other modes for gathering information will be explored. UNEPC will hold a meeting March 20, and will produce a useful report for the May UNOLS meeting.

John McMillan for NSF/OFS and Bruce Robison for the UNOLS Advisory Council strongly endorsed UNOLS expeditionary planning concept, UNEPC efforts to implement advanced planning and results to date.

All West Coast institutions provided their wire and cable requirements for 1985 and 1986. These will be provided to R. Dinsmore at the East Coast Ship Scheduling meeting.

A discussion followed concerning the status of UNOLS, NSF and ONR efforts toward wire and cable standardizations in the fleet. Richard West, NSF/OFS will be asked to summarize wire and cable standardization for the benefit of operators and, through UNOLS News, potential investigators.

The first day's meeting was adjourned at 5:00 p.m. At 8:30 a.m. on February 28 the meeting was turned over to Ron La Count, Head OFS in NSF to conduct a Workshop on proposals for submission to programs in the Oceanographic Facilities Support Section (OFS) of NSF. (His letter of February 16, 1984, Appendix VI summarizes workshop content.) Discussion covered proposals for: Ship Operations, Technicians, Instrumentation and Equipment.

The rationale for modifying proposal format, contents and deadlines was described. The workshop consisted of a valuable, open exchange between OFS officials and university operators/administrators concerning NSF requirements from the proposals and institutional problems in preparation. The workshop was useful and should lead to more useful, effective proposals.

The meeting was adjourned at 11:00 a.m.

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UNOLS Office, WB-15
School of Oceanography
University of Washington
Seattle, Washington 98195

January 13, 1984

To: West Coast Ship Scheduling Group
From: UNOLS Office
Subject: West Coast Ship Scheduling Meeting

This is to confirm that the winter meeting of the West Coast Ship Scheduling Group will be held on February 27, 28, 1984 at:

Room 123
Marine Science Building
School of Oceanography
University of Washington
Seattle, Washington

The meeting will begin at 9:00 a.m. on February 27, and will proceed through Agenda items 1-7 on the first day. Agenda item 8, Workshop on Ship Operations Proposals, has been requested by Mr. R. R. La Count, NSF/OFS, and is anticipated to require about 4 hours. We will begin item 8 on February 27 at 8:30 a.m. and hope to conclude by noon on February 28. Mr. La Count's message:

R. R. La Count and John McMillan will meet with representatives (of West Coast UNOLS institutions) to discuss Ship Operations Proposals, planned changes in format of proposals to be submitted in July, 1984 and, in general terms, NSF's problems with 1984 submissions. NSF/OFS also is changing the dates of Equipment and Instrumentation proposal submission and will discuss the implications thereof.

NSF will provide background information to institutions within the next two weeks.

Mr. La Count noted that any institution wishing to augment their traditional Ship Scheduling Group attendance for this meeting should feel free to.

Accommodations convenient to School of Oceanography include:

University Tower Hotel
4507 Brooklyn NE
(206) 634-2000

University Travelodge
4725 25th NE
(206) 525-4612

Sherwood Town and Country Inn
400 NE 45th
(206) 634-0100

PLEASE MAKE AND CONFIRM YOUR OWN RESERVATIONS.

Please bring 12 copies of the information noted in the Agenda:

1. Updated 1984 ship schedule
2. 1985 shiptime requests
3. 1985 tentative schedules
4. 1984 ship operations cost estimates
5. 1985 ship operations cost projections
6. Wire and cable requirements for 1985 and 1986
6. A. Medical Advisory Service

For 1984 ship schedule, please mark up the schedule for your ships on the UNOLS ship schedule bulletin board; please use the attached forms for 1984 and 1985 ship cost information.

If you have any suggestions, call me.

At Brian Lewis' request,

William D. Barbee
Executive Secretary, UNOLS

WDB:gm

AGENDA
West Coast Ship Scheduling Group
February 27, 28, 1984

1. Brief review of 1984 schedules, costs and funding status (please provide 12 copies updated schedules and cost summaries).
2. 1985 Ship Use Requests (please provide 12 copies of summary of your records).
3. Develop tentative 1985 schedule (please provide 12 copies of your tentative schedules).
4. Ship Costs (12 copies rough estimate of your 1984 budget--similar to 1984 cost summary noted above).
5. Long range plans ("Expeditionary" projects, Austral summer of 1985-86 and beyond. Interface with UNEPC.)
6. 1985 and 1986 wire and cable requirements. (R. Dinsmore hopes to consolidate UNOLS requirements at the East Coast meeting on March 19, 1984. West Coast institutions should develop their requirements as inputs to the total UNOLS list.)
7. Recommendations.
8. Ship Operations Proposals - (R. R. La Count and J. McMillan will discuss with attendees--see covering letter and NSF-supplied background material).
9. Other business.

Distribution:

- B. Lewis (Chairman), University of Washington
- J.B. Watkins, University of Washington
- G. Shor, Scripps Institution of Oceanography
- D. Keach, University of Southern California
- R. P. Dinsmore, Woods Hole Oceanographic Institution
- J. Martin, Moss Landing Marine Laboratories
- T. Royer, University of Alaska
- E. R. Dieter, University of Alaska
- D. Caldwell, Oregon State University
- M. J. Gutierrez, Oregon State University
- K. Palfrey, Oregon State University
- J. F. Campbell, University of Hawaii
- B. Robison (Advisory Council), University of California-Santa Barbara
- R. R. La Count, National Science Foundation
- J. McMillan, National Science Foundation
- K. Kaulum, Office of Naval Research
- D. Tollakson, Office of Naval Research
- R. Rowland, U. S. Geological Survey
- M. Holmes, U.S. Geological Survey
- R. Alderman, National Oceanographic and Atmospheric Administration

1984 ESTIMATES

SHIP	OPS DAYS	NSF \$K	ONR \$K	\$K	OTHER \$K	TOTAL \$K
MELVILLE						
WASHINGTON						
NEW HORIZON						
E. B. SCRIPPS						
VELERO IV						
CAYUSE						
WECOMA						
THOMPSON						
BARNES						
ALPHA HELIX						
KANA KEOKI						
MOANA WAVE						
TOTAL						

West Coast Ship Scheduling Meeting
27, 28 February 1984

List of Attendees

<u>Name</u>	<u>Institution</u>
William D. Barbee	UNOLS
Brian Lewis	University of Washington
Frisbee Campbell	University of Hawaii
John Martin	Moss Landing Marine Laboratories
Mark Holmes	U.S. Geological Survey
E. R. "Dolly" Dieter	University of Alaska
John McMillan	National Science Foundation
Boyce Watkins	University of Washington
George Shor	Scripps Institution of Oceanography
Ken Palfrey	Oregon State University
R. L. Longfield	University of Hawaii
Don Newman	University of Southern California
Bruce Robison	University of California-Santa Barbara
Mitch Stebens	UNOLS
Doug Caldwell	Oregon State University
Jim Williams	Scripps Institution of Oceanography

1984 ESTIMATES

SHIP	OPS DAYS	NSF \$K	ONR \$K	\$K	OTHER \$K	TOTAL \$K
MELVILLE	244	2,741,000	143,000	UC 13,000	Sandia 273,000	3,170,000
WASHINGTON	292	1,835,000	1,267,000	UC 87,000		3,189,000
NEW HORIZON	249	201,000	536,000	UC 1,116,000		1,853,000
E. B. SCRIPPS	160	299,000	104,000	UC 30,000	DOE 5,000	438,000
VELERO IV	131	608,003				608,003
CAYUSE	128	330,468		LocalGovt 56,715	MLML 79,401	466,584
WECOMA	223	1,482,481	116,848	DOE(Sandia) 29,212		1,628,541
THOMPSON	267	1,827,000	496,000			2,323,000
BARNES ONAR	190	142,000	2,000	19,000		163,000
ALPHA HELIX	119	1,070,000	129,000	75,000		1,274,000
KANA KEOKI	156	435,880	102,560		461,520	999,960
MOANA WAVE*	68	419,560**				419,560
TOTAL	2,227	11,391,392	2,896,408	1,425,927	818,921	16,532,648

2,244,848

* Exclusive of NAVELEX

**Includes \$86,380 JOI

1985 COST PROJECTIONS

PROJECTED 1985 COSTS

SHIP	1983 COSTS	1984 COSTS (Proposed)	1984 OP DAYS	1985 OP DAYS	NSF	ONR	OTHER	TOTAL
MELVILLE	3,181,590	3,169,000	244	297	3,344,000	34,000		3,378,000
WASHINGTON	1,837,152	3,189,000	292	297	2,201,000	1,134,000		3,335,000
NEW HORIZON	1,406,210	1,853,000	249	227	1,133,000	300,000	316,000	1,749,000
E.B. SCRIPPS	437,267	438,000	160	177	387,000	111,000	155,000	653,000
VELERO IV	565,004	608,003	131	215	887,076			887,076
CAYUSE (Engine Overhaul)	476,283	466,584	128	125	338,000	51,000	51,000	440,000
WECOMA	1,832,000	1,628,000	223	260	1,842,000	22,000		1,864,000
THOMPSON	1,616,000	2,323,000	267	260	2,010,000	503,000		2,513,000
BARNES/ ONAR	50,000 121,000	163,000	150 40	200 0	149,000 0	6,000 0	15,000 0	170,000 ----
ALPHA HELIX	1,397,400	1,274,000	119	247	1,680,000	110,000	15,000	1,805,000
KANA KEOKI	1,305,000	999,960	156	0				
MOANA WAVE		419,560	68	316	805,365*	151,311	585,720	1,542,396
TOTALS	14,225,106	16,531,107	2,227	2,621	14,776,441	2,422,311	1,137,720	18,336,472

*Includes \$395,361

TENTATIVE 1985 UNOLS WEST COAST SHIP SCHEDULES

SHIP	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
ALPHA HELIX	Feb-May 2 S. Alaska May-Dec 3 Bering												NSF 230 ONR 15 State 2 TOTAL 247
T. G. THOMPSON	Maintenance Seattle												NSF 188 ONR 58 TOTAL 246
C. A. BARNES	Various investigators - Puget Sound 190												NSF 167 ONR 6 Other 17 Tot. 190
WECOMA	Main 13 Trombador 13 Baltazar 29 Codispoti 9 Christensen 5 Smith 7 Barber (Duke) 18 Newport 6 Maintenance 7 Bibee & Jacobson - 4 legs 8 Garda Ridge 21 Shipyard 15 Kulm 4 OPEN Main 15 Newport 15												NSF 240 TOT 240
CAYUSE	Smith 7 Calliet 28 Knauper 18 Smith 11 Brooknow 11 Knauper 8 Mull 27 Smith 20 Calliet 20 Brooknow 20 Calliet 19 Smith 9 Mull 30 Calliet 16 Brooknow 14 Mull 28 Mull 7 Smith 3 Knauper 3 Brooknow 2 Calliet 2 OPEN 20												NSF 103 ONR 5 Other 17 TOT 125
VELERO IV	San Diego 15 Spess / Macdonald 16 Childress - w. ALVIN 19 Knox - TROP HEAT 19 K. Smith 14 P. Williams 14 Gagosian 14 Gagosian 19 Munt Worcester 23 San Diego 15 K. Smith 15 P. Williams 15 San Diego 15 MCClean 27												NSF 217 TOT. 217
MELVILLE	San Diego 15 Spess / Macdonald 16 Childress - w. ALVIN 19 Knox - TROP HEAT 19 K. Smith 14 P. Williams 14 Gagosian 14 Gagosian 19 Munt Worcester 23 San Diego 15 K. Smith 15 P. Williams 15 San Diego 15 MCClean 27												NSF 273 ONR 32 TOT. 305
T. WASHINGTON	Fax Macdonald 2 Montevideo 15 UPKEEP 15 Luyten 15 Fox Macdonald 16 TRANSIT 16 Orcutt 16 Mutter 16 Mummick 19 San Diego 29 Spess 29 Winterer 19 Hawkins 19 Craig 19 Fishar 3 L. Fisher 3 EB 3 L. Fisher 3												NSF 221 ONR 102 TOT 323
NEW HORIZON	OVERHAUL												NSF 150 ONR 9 Other 7 TOT 230
E. B. SCRIPPS	Smith 7 Mull 14 K. Smith 7 Azm 6 CALCOFI 11 K. Smith 15 Nelson 20 Bray 20 Bowers 22 CALCOFI 22 UPKEEP 22 Tess 26 Boers 19 Smith 26 CALCOFI 26 UC 22 Smith 11 CALCOFI 2 UC 10 12												NSF 105 Other 42 147
MOANA WAVE	Peru Site Surv (Hussong) 8 Peru Bight (Mobley) 10 Chile Trip - Junc. Site Surv 16 J. Fisher 27 OPEN 27 CCOP/SOPAC - 4 legs 29 90 plus part OPEN Trans 28 Hano 26 Young 5 Honolulu 20												NSF 85 NSF (JOI) 7 ONR 32 Other 120 Tot 316
KANA KEOKI	No schedule advanced for KANA KEOKI												

NATIONAL SCIENCE FOUNDATION
WASHINGTON, D.C. 20550
DIVISION OF OCEAN SCIENCES
OCEANOGRAPHIC FACILITIES SUPPORT SECTION

February 16, 1984

M E M O R A N D U M

TO : Addressees
FROM : Head, OFS
SUBJECT: Items for discussion at the next East/West Coast
Scheduling Meetings

A few weeks ago I asked Bill Barbee, Executive Secretary, UNOLS if John McMillan and I could meet with attendees of the next East Coast and West Coast Scheduling Meetings. He agreed, as has the UNOLS Advisory Council members that met on February 2 and 3. I proposed February 28 for the West Coast and March 20 for the East Coast.

It is our intent to discuss proposed changes in the Guidelines for the preparation of proposals for submissions to programs in the Oceanographic Facilities Support Section (OFS) of the NSF. Our aim is to improve the clarity and usefulness of these Guides and to decrease the burden of proposal preparation. For example, we are considering changing the proposals receipt date for Oceanographic Instrumentation and Shipboard Scientific Support Equipment from July 1 to September 1. These and other changes listed on the enclosed sheet will be discussed at the meetings so that you and your institution will have an opportunity to contribute to the Guideline modifications and, ultimately, to the proposals your institution submits to the Foundation.

Unfortunately, because of the large amount of re-typing and copying that has to be done I do not have a draft working copy for you for this mailing. I hope it can be completed in the next few days so that we can mail it to you and allow you a few days to review it before the meeting; if not, we'll hand carry it to the University of Washington meeting. Nevertheless, you have the old Guidelines from which you can work for the time being. You may wish to adopt, when reviewing the documents, an attitude of what you feel is unreasonable information to provide, or what may be better added for information to us and reviewers.

There are institutional rules and regulations that determine who signs proposals to the NSF and, therefore, I am not totally clear on who is responsible for the development of those submitted to OFS. I leave it to you then to pass this information to the appropriate people who will attend or wish to attend the meeting.

We look forward to a productive meeting.



Ronald R. La Count

Enclosure

Addressees:

D. Caldwell, OSU
J. F. Campbell, U/Hawaii
E. R. Dieter, U/Alaska
D. Keach, U/So. Calif.
B. Lewis, U/Washington
J. Martin, MLML
K. Palfrey, OSU
T. C. Royer, U/Alaska
J. B. Watkins, U/Washington

UNOLS Officers

W. Barbee, UNOLS
R. Dinsmore, WHOI
C. Miller, OSU
B. Robison, USC (SB)

SUMMARY OVERVIEW
of
PROPOSED MODIFICATIONS
to
OFS GUIDELINES

- o Combine six (6) documents:
 - 4 Guidelines (Ship Operations, Technicians, Instrumentation and Equipment);
 - 1 Brochure ("Programs of the Office for Oceanographic Facilities Support," NSF 74-17); and
 - 1 Announcement ("Proposals for Oceanographic Instrumentation Development")into one (1) guideline document.
- o Consider change of Instrumentation and Equipment deadlines from 1 July to 1 Sept.
- o Reduce the number of guideline pages by about 40% and eliminate a 12-page brochure and a 1-page announcement.
- o Organize general information and "boiler-plate" into one (1) up-front section.
- o Retain the four main areas of OFS support (Ship Operations, Technicians, Instrumentation and Equipment) in separate, identifiable sections.
- o Add three areas of OFS support (Instrumentation Development, Ship Construction and Conversion and Miscellaneous) to the guidelines format.
- o Eliminate some Ship Operations sections in proposals and modify others.
- o Modify proposal evaluation criteria for Equipment.

General discussion on OFS awards to ship operators.