Wm. D. Balsee

UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

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

EAST COAST SCHEDULING GROUP

22 February 1982

file: Meetings East Coast ship sched Feb, 1982

TO: Distribution

FROM: R. P. Dinsmore

SUBJECT: East Coast Meeting Report

Herewith is attached a copy of the report of the UNOLS East Coast Scheduling Group meeting on 10 February 1982. Please note that the date of the next meeting is in conjunction with the spring UNOLS meeting and will be held at Washington, D. C. on 23 May 1982.

As your schedules develop between now and May 23rd, please circulate them amongst the group or at least send me a copy, and I will undertake further distribution.

Thank you very much for attending the past meeting. I hope you agree with me that it was a worthwhile get-together.

R. P. Dinsmore

RPD:crm
Attachment

cc: East Coast Scheduling Group
Meeting Attendees

UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

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EAST COAST SCHEDULING GROUP

22 February 1982

Report of Meeting
February 10, 1982

The winter meeting of the UNOLS East Coast Scheduling Group was held on 10 February 1982 at Washington, D. C. Meeting agenda and list of attendees is attached.

1982 ship schedule reports generally indicate all ships are reasonably well utilized except ISELIN (Miami) and ATLANTIS II (WHOI) which are temporarily out of service during 1982. About 130 ship days originally scheduled and funded for 1982 have been deferred to 1983. Most 1982 scheduled cruises show funding indicated. Exceptions are several JOI and BLM cruises where funding action from those agencies traditionally is slow. This works hardships on both operating institutions and other users when schedules are uncertain and daily rates indefinite.

1983 scheduling cycle is just starting. Most labs have held scheduling meetings or put out calls for use requests. Specific institution reports are as follows:

WHOI

Working with URI and Lamont as a part of Northeast Consortium Research Fleet (NECOR). Held scheduling meeting on 8 December 1981. 866 ship days requested is about 75% of last five-year average. First draft schedule shows ATLANTIS II, KNORR, and OCEANUS working in Atlantic and unusually heavy P.O. assignments. Considering proposal to assign ATLANTIS II as ALVIN support vessel which would make ship largely unavailable for work as shown. Displaced schedule would have to be picked up by additional ships such as ISELIN and GYRE.

URI

Scheduling meeting held 24 November 1981. Holds requests for about 308 ship days. Outlook for ENDEAVOR is local cruises through mid-year

URI (cont.)

then commence extended G&G and geochemical voyage to East Pacific Rise (Easter Island area) working with R/V WASHINGTON. This would extend into early 1984.

LDGO

Ship scheduling cruise on 1 December 1981. Currently, holds 31 cruise requests of which about 10 (300 days) would apply to 1983. CONRAD projections are Eastern Atlantic, Mediterranean, Black Sea, returning toward western and equatorial Atlantic. Most work is MCS except Black Sea where 3-month assignment is suggested to meet standing inventory of requests.

DELAWARE

Call is out for CAPE HENLOPEN requests. Hoping to plan for 200 days split between NSF, BLM, NOAA, and private. Advises that 42 ft. R/V SKIMMER is in Costa Rica on international Sea Grant assignment and available for use.

DUKE

Not yet held scheduling meeting. Deadline for requests is 1 March. Eleven received so far include several duplicates with other CZRV's. Probably will pick up most coastal requests in New England and middle Atlantic. Includes 60 days training for Cape Fear Tech. Planning on 250 days total.

RSMAS

Miami scheduling meeting 29 January. Holds requests for about 500 ship days on ISELIN and CAPE FLORIDA. Projected ISELIN work includes tropical and equatorial Atlantic plus pickup of WHOI projects. CAPE FLORIDA planned for 230 days mostly local, Bahamas, and Antilles.

TAMU

GYRE being requested for 60 days USGS along Eastern Margin. Additional use probably is pick-up of WHOI projects and equatorial Atlantic late in year (SEQUAL).

DISTANT VOYAGES

Black Sea -- CONRAD is offering a tentative commitment for 3 months in summer, 1983. Some concern by program managers whether ship is fully capable to meet anticipated requirements. This is to be checked out with proposed users; then if still go, appropriate announcements (EOS) requesting letters of intent.

Antarctic Programs -- NSF advises that plans to support vessel every other year in Antarctic are back on starting with 1983-84 season. Work probably to be drawn from standing inventory. First draft showed ATLANTIS II but now looks like KNORR (or MELVILLE?).

Updated (and hopefully final) plans for distant voyages should be discussed at May meeting.

1983 Ship Costs

Rough projections of East Coast ship costs in 1983 are:

WHOI	$7.1M	DUKE	$1.1M	
URI	1.96	SIO	0.25	
LDGO	2.4	MIAMI	2.6	
DELAWARE	0.75	TAMU	1.9	
CBI	0.6			
		Total		$18.66M

This compares with $15.7M for 1982 with two ships out of service.

Federal Support Outlooks

NSF - (R. La Count)

	1981	1982	Proj. 1983
NSF Total	$1,041.0M	$996.2M	$1,072.8M
OCE	74.9	75.8	81.0
OFS			
Ship Ops	20.2	20.45	21.0
ALVIN		1.13	
Techs		1.35	
Misc.		.25	
Ship Conv., Const.		2.40	
Equip., Inst.		3.42	
Total OFS	$ 27.3M	$ 29.0M	$ 31.0M

Federal Support Outlooks (cont.)

ONR - (K. Kaulum) Outlook for 1983 appears to be about level funded with 1982:

Total ONR to universities	$36.0M
Ship ops support	3.5M
Ship improvements	2.5M

In addition, there will be announced through program managers a $10M program for overall University Laboratory Equipment support. Watch for details.

NOAA - (W. Barbee) Sea Grant undergoing another phase out! Undersea Technology being eliminated from budget, but ALVIN funding may be protected elsewhere.

Marine Technicians and Shipboard Services

Dr. J. Griffin discussed an ongoing NECOR effort to coordinate and standardize shipboard technical services and to expand a NECOR survey to all UNOLS labs. The attached memorandum discusses this and requests that an appropriate contact be furnished to Bill Hahn of URI with whom he can pursue the survey.

Further Action

1. Institutions to continue development of 1983 plans and schedules for circulation before and coordination at the next meeting to be held 23 May 1982 at Washington, D. C.
2. WHOI to remove most of ATLANTIS II from 1983 schedule for planning around ALVIN support. To work with Miami and TAMU to pick up displaced programs.
3. A three-month Black Sea period in 1983 will be held open by CONRAD (LDGO) to determine further interest and feasibility.
4. WHOI, URI and TAMU to re-examine daily cost rate analyses to determine effects of:
   (a) including as operating days home port time for turnarounds;
   (b) excluding in-port time at UNOLS members' ports as a "port of operation" concept.

RPD:crm
Attachments

R. P. Dinsmore
Woods Hole Oceanographic Inst.

UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

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29 January 1982

TO: East Coast Scheduling Group

FROM: R. P. Dinsmore

SUBJECT: Agenda for Meeting, 10 February 1982

The winter meeting of the East Coast Scheduling Group will be held in Room 543, NSF Building, Washington, D. C. commencing at 0900 on Wednesday, 10 February 1982.

The agenda is as follows:

1. Quick review of 1982 schedules.

2. Examination of 1983 ship use requirements.

3. First projection of ship schedules to best fit requirements at hand.

4. Long term planning (status of distant voyages, i.e., Southern Ocean, Indian Ocean, Black Sea, etc.)

5. Ship costs -- please be prepared to address your estimated ship costs for various levels of operation.

6. Discussion with Federal Program Managers -- how do projected schedules and estimated costs compare vis-à-vis Federal agency outlooks and resources.

7. Recommendations -- by scheduling groups to UNOLS regarding any specialized aspects of ship scheduling or operations.

8. Marine technicians and shipboard services. A study of current practices and policy. Jim Griffin (URI) will mail advance information and lead a discussion based on current NECOR efforts.

9. Other business.

Please attempt to have all known shiptime requirements which you hold or are aware of at the meeting. It is assumed that you will have a draft or preliminary schedule in mind. Please note that our job will be to produce the most effective schedule as possible and not to conduct an exercise to defend the schedule which you have already prepared.

Bob Dinsmore

R. P. Dinsmore

RPD:crm

ATTENDEES

Name	Org	Phone
J. McMillan	NSF/OFS	357 7837
K W KAULUM	ONR	(601) 688-4827
J. J. GRIFFIN	URI	(401) 792-6110
J. BASH	URI	401 792-6203
G Gross	NSF/OCE	202/357-7439
C Collins	NSF/OCE	"
W. SACKETT	Univ. So. FL.	813/893-9130
J. Ustach	Duke	(919)/728-2111
W. Owen	Univ. of Delaware	(302) 645-4320
P. Hacker	NSF/Phy.Oc.	(202) 357-7906
T K TREADWELL	Texas A&M	713-845 7211
H. C. Anderson	Univ of Wash.	(206) 543-6487
J. GIBBONS	U of Miami	(305) 350-7223
William D Barbee	NOAA	(301)-443-8906
BARBARA QUESTAK	NSF	357-7615
R R LA COUNT	NSF/OFS	357-7837
Larry Clark	"	"
Bob Wall	NSF/OSRS	357-7912
MARY JANE PERRY	NSF/OSRS	357-9600
BRUCE MALFAIT	NSF/OSRS	357-7906
Donald Heinrichs	NSF/OSRS	357-7906
R. DINSMORE	WHOI	617-548-1400

11 Dec. 19
3-Dec.-198
~~1 Dec. 198~~
~~23 Nov. 19~~
18-Dec.-19
8 Feb. 198

W.H.O.I. 1983 SHIPTIME REQUESTS RECEIVED THROUGH

		Large (ATLANTIS II) (KNORR)	Intermediate (OCEANUS)	
North Atlantic				
Von Herzen	Bermuda Rise	28		Spring
Uchupi/Tucholke	Nova Scotia Rise	26		Summer-Fall
Hollister	Hebble Area	30		Summer-Fall
Heirtzler	Trinidad Rise	30		Winter-Spring
Chase	W. North Atlantic		7	Jun-Aug
Frisk	Hatteras Abyssal Plain		10	Mar-May
Spindel	Bermuda		2 x 7	Jun & Oct
Sarmentio, et al.	Tropical Atlantic	30		January
Watson	N. Atlantic to 60°N		21	Aug
Deuser	Barbados; N. N. Atlan.		3x 2	Jan/Jul ; Sept
Bacon/Biscaye/Walsh	N.E. Shelf	20		Sept/Oct
Jannasch	NW Atlantic		10	Summer
Watson	Sargasso		14	Mar-Apr
Madin/Swanberg	So. Carib. & No. Atlan.		3 x 15	Mar, May & Aug
Bryden/Rossby/Watts	NW Atlantic	24		Sept
McCartney/Haidvogel	NW Atlantic		14	Dec
Hogg	NW Atlantic		39	9-Mar/30-Sum
Richardson/Owens/Price	N Atlantic		22	May-July
Owens/Price	NW Atlantic		2 x 6	Jan-Mar
Briscoe/Niiler/Large	Lotus area		14	April
Briscoe	Lotus area		8	October
Wunsch (MIT)	Iceland-Africa	30		Sep }
McCartney	Africa-S.America	30		Oct }
Luyten/Schmitt	Tropical Atlantic	25		Nov } or earl 1984
Stommel/Luyten/Andreae	S.America-Nfld.	27		Dec }
Watson	NW or SW Africa	21		Jan/Sept
Stephen	Vema Gap-DSDP #417	21 (KNORR)		Fall, Winter
Butman (USGS)	Georges Bank		2x 8	May/Nov
Yentsch	Gulf of Maine		28	Summer
Stephen	Cont. Slope	7 (KNORR)		Summer
Ancillary:				
Hulburt	Honduras Reefs		(2)	Any
Tenore (SIO)	Spain & Portugal Shelf	(7)		Any
Bacon	No. Atlantic	(*)		* w/Wunsch & Sto
Stegeman	So. Carib.	(2)		w/Madin
Zafiriou	No. Atlantic	(2-3)		
South Atlantic				
Thompson/Shilling	mid-Atlantic Ridge	35		Nov-Feb
{ McCartney	SW Atlantic	30 }		
{ Stommel	SW Atlantic	14 }		
{ McCartney	S Atlantic	27 }		Early
{ Warren	S Atlantic	27 }		
Nowlin (TAMU)/Reid (SIO)	0° Meridian	30		Austral summer
Katz (LDGO)	Equatorial Atlantic	3 x30		Feb, July & Nov
Nittrouer/DeMaster	Amazon Shelf		30	May-Jun

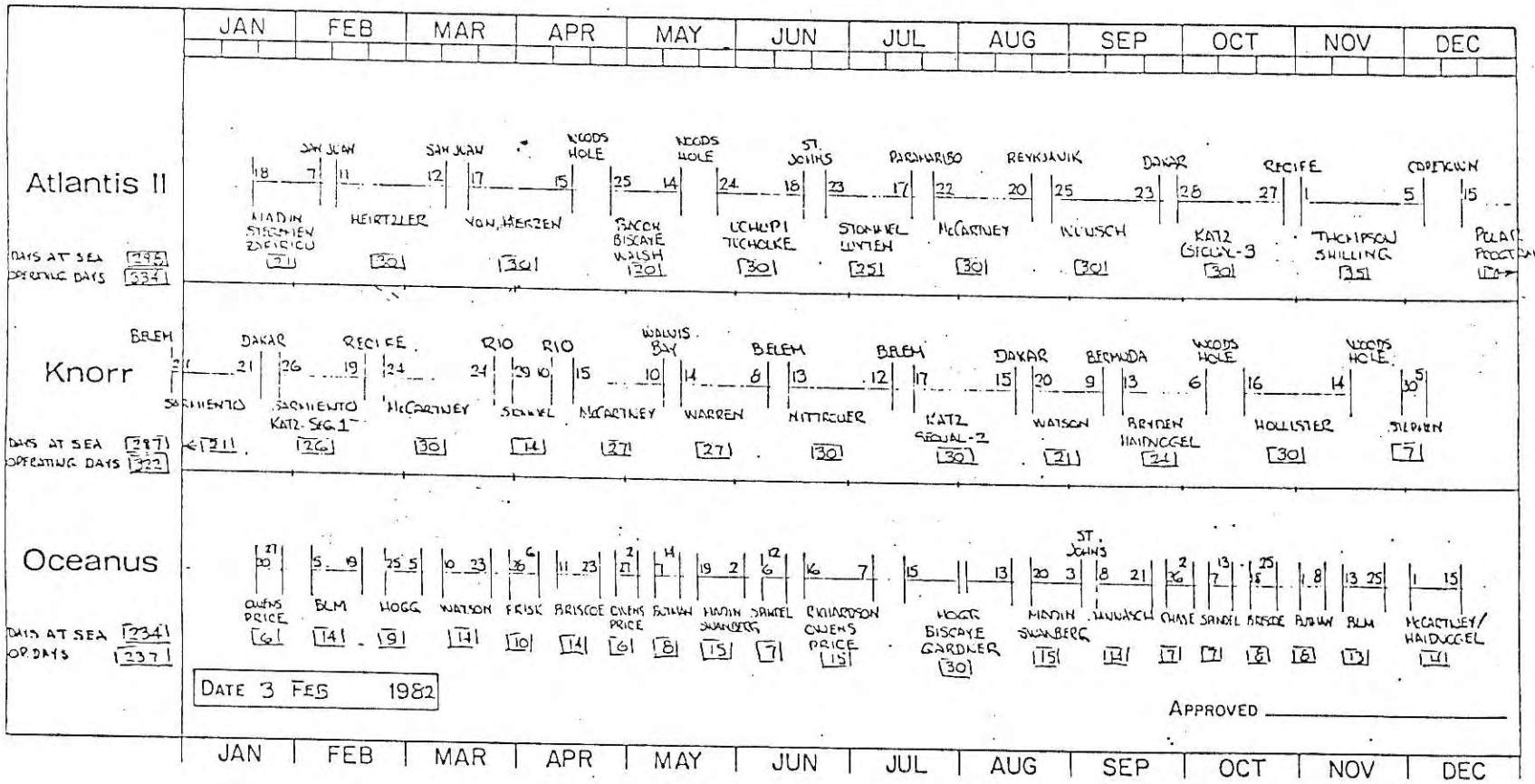
W.H.O.I. 1983 SHIPTIME REQUESTS RECEIVED THROUGH 1-Dec.-19 ~~23 Nov.-19~~ ~~18 Dec.-1~~ 8 Feb. 19

		Large (ATLANTIS II) (KNORR)	Intermediate (OCEANUS)	
Southern Ocean				
Holm-Hansen (SIO)	Antarctic	35		
Robison (UCSB)	Antarctic	60		
Sclater (MIT)	Antarctic-Atlantic	35		
Fisher (SIO)	Antarctic-Indian	31		
Corliss	Antarctic-Indian	27		
Nowlin (TAMU)/Reid (SIO)	Scotia Sea	42		
Froelich	Ant.(Pac) - Ancillary	(2)		
Indian Ocean - Mediterranean				
Gordon (LDGO)	Agulhas	30		Oct-Dec
Hannan (NRL)	Indian Ocean	20		Unspec.
Martin (MLML)	Black Sea (Vertex)	60		May-July
Jannasch	Black Sea	30		
Watson	Black Sea or Med	21		Spring/Fall
Ancillary:				
Wasserburg	Indian Ocean	3		
Scranton (SUNY-SB)	Black Sea & Aegean	5		w/Jannasch
Pacific Ocean				
Schmitz	Hawaii - Guam	43		
URI Consortium	East Pacific Rise-South	120		
Sayles	4°N, 114°W	30		May or after
Stephen	Panama Basin	14		w/CHALLENGER
Honjo	Cocos Ridge	14		Aug

1983 - FIRST DRAFT

WOODS HOLE OCEANOGRAPHIC INSTITUTION

SHIP SCHEDULE



Appendix II:

EXPEDITION OF R/V ENDEAVOR IN

THE EAST PACIFIC 1983

Several investigators of the NECOR institutions (WHOI, LDGO, URI) have funded or proposed research projects in the East Pacific in 1983. These cruises have been considered by the NECOR joint ship scheduling committee and assigned to a series of cruises on R/V ENDEAVOR.

A rough draft of the 1983 schedule for R/V ENDEAVOR is shown in the following table:

1983 ENDEAVOR Schedule, East Pacific

		Investigator	Days at Sea	Area/Ports
1983	Sept	Honjo	24	Panama/Guayaquil
	Oct	Sayles	30	Guayaquil/Callao
	Nov	Kester	25	Callao/Valparaiso
	Dec	Kennett	18	Valparaiso/Easter Island
1984	Jan	Schilling et al.	35	Easter Island/Easter Island
	Febr	Leinen	28	Easter Island/Tahiti

As described above, the cooperative geophysical, petrologic and geochemical studies of the East Pacific Rise by the NECOR consortium require coordination with the earlier seabeam-survey (R/V Thomas Washington) to be followed up by sampling and other studies in late 1983 by R/V Endeavor.

A brief description of the projects planned for R/V Endeavor in the East Pacific follows.

Honjo: Dr. Susumu Honjo (WHOI) has a cruise in the Panama Basin, already funded by NSF. The project relates to the significance of large particles in the water column and involves photography of "marine snow" at several stations along a transect from $7^{o}N/81^{o}W$ to $5^{o}N/81^{o}W$ to $5^{o}N/78^{o}W$ to $3^{o}N/80^{o}W$.

Sayles: Geochemical and geophysical evidence of fluid (solution) advection in sediments in a region of low heat flow west of the East Pacific Rise, is the theme of a project headed by Dr. Fred Sayles (WHOI), at approx. $40^{o}N/114^{o}W$. The cruise will involve coring, heat-flow, in situ pore water sampling and single channel air-gun profiling. The project is NSF funded; a renewal proposal for the cruise is pending.

Kester: Continuous measurement of trace metals in the ocean, related to biologically active frontal zones, is the subject of a project of Dr. Dana Kester (URI) in the Peru Upwelling Zone. He will be mapping chemical gradients associated with fronts by underway and station sampling. The cruise is already funded by ONR.

Kennett: The changes in the eastern boundary current during glacial and interglacial oscillations is the object of a paleoceanographic study by Dr. Jim Kennett (URI). He plans to obtain a piston-core traverse along the Nazca Ridge, from south America to the East Pacific Rise, in order to obtain material for planktonic and stable isotope studies. Cores taken near Easter Island will provide information on Quaternary explosive activity of this volcanic region. Proposal to be submitted to NSF.

Leinen: Sedimentation on the East Pacific Rise will be studied by Dr. Margaret Leinen (URI). Her cruise will be focussed on three topics: 1) hydrothermal activity, as reflected by sediments recovered by piston-coring on a N-S transect and east-west transect over the Rise; 2) eolian sedimentation; 3) authigenic sedimentation. The study area is within 30-35°S and 100 to 140°W. Proposal to be submitted to NSF.

Schilling et al.: Petrology, geochemistry and geophysics of margins of the Easter Plate will be studied by Drs. Jean-Guy Schilling, Enrico Bonatti and Haraldur Sigurdsson. Their cruise will build on SEABEAM and other geophysical data gathered earlier in 1983 by the R/V Washington cruises. This cruise will be largely devoted to detailed sampling (dredging) along the ridge axis from 35°S, along the two parallel rifts, defining the E and W boundaries of the Easter microplate, and north along the "normal" ridge up to 22°S. Proposal to be submitted to NSF.

These cruises are in a remote region of the ocean and present certain logistics problems. We have indications that fuel may be available on Easter Island and contacts are being developed with the Chilean Government in order to establish supply lines at Easter Island, where there is a jet airport. The cruise schedule is based on fuel availability on Easter Island. Should this not be the case, then further 14 days must be added to the ship schedule to enable the long transits to Tahiti or Chile for fuel and supplies.

UNIVERSITY OF RHODE ISLAND

1983 PLANNING SCHEDULE

1 Feb. 1982

APR	ROSSBY	14	GULF STREAM
MAY	WATTS	10	HATTERAS
MAY/JUN	LAINE	30	HATTERAS
JUL/JUL	MAYER/DETRICKS	14	BERMUDA
JUL	WATTS	10	HATTERAS
AUG	DEUSER	2	BARBADOS
AUG	MADIN	15	BARBADOS/PANAMA
AUG/SEP	HAYES/SHOR	10-15	PANAMA BASIN
SEP	HONJO	24	PANAMA/GUAYAQUIL
OCT	SAYLES	30	GUAYAQUIL/CALLAO
NOV	KESTER	25	CALLAO/VALPARAISO
DEC	KENNETT	18	VALPARAISO/EASTER ISLAND
DEC/JAN '83	SCHILLING	35	EASTER ISLAND/EASTER ISLAN
FEB	LEINEN	28	EASTER ISLAND/TAHITI

This schedule assumes fueling available Easter Island or tanker.

DEC/JAN	KENNETT	30	VALPARAISO/TAHITI
JAN/FEB	LEINEN	30	TAHITI/VALPARAISO
FEB/MAR	SCHILLING	35	VALPARAISO/TAHUATA MARQUES

Fueling not available.

R/V R. D. CONRAD 1983 SCHEDULE

4 February 1982

FIRST CUT

Approximate Date	Principal Investigator	Area of Operations/Science	Number of Days at Sea	Funding Agency	Status
1 Mar 1983	Hayes and Rabinowitz	1. JOI Site Survey, Moroccan Margin/MCS, MG&G	~30	JOI	TBS
	Cochran and Langseth	2. Red Sea/MCS, HF with Italian ship	32	NSF	P
1 May 1983	Ryan and Cita	3. Eastern Mediterranean/Deep Tow, Side Scan	30	NSF	F
	Ryan	4. Western Mediterranean/Deep Tow, Side Scan	12	NOAA/CNEXO	F
	Ryan	5. Western Mediterranean/Deep Tow, Side Scan	12	Dept. of Industry and Energy, Spain	F
	Martin et al. (MLML), Jannasch (WHOI), Watson (WHOI)	6. Black Sea and Mediterranean/ Marine Biology	up to 3 months	NSF	TBS
	Watts, Anderson, Mauffret (IFP)	7. Spanish Margins/MCS (2-ship) and HF	45	NSF/France	TBS
15 Aug 1983	Mutter, Buhl et al.	8. Norwegian Margin and Hatton Bank/MCS (multiship)	45	NSF/Foreign Governments	TBS
	Buhl, Pitman et al.	9. E. Canadian Margins/LASE with Canadian ships	30	NSF	TBS
1 Oct 1983		Heading south to either NY region, Spain, Lesser Antilles			
	Ladd, Westbrook and Langseth	10. Barbados ridge-Lesser Antilles/ MCS and HF	60	NSF	TBS
Dec 83-Jan 84		Heading to equatorial Atlantic and further south			

F = Funded, P = Pending, TBS = To be Submitted.

SHIP TIME REQUESTS, R/V CAPE HATTERAS 1983

C. S. Yentsch Bigelow	Gulf of Maine, Georges Bank Shelf & Gulf Stream	28 days in 2 legs May-June	NSF Funded
John P. Christensen Bigelow	Gulf of Maine & continental shelf south New York Bight	21 days May-July	NSF Requested
G.A Paffenhofer Skidaway	SE Shelf between Cape Romain and Cape Canaveral	12 days Feb. 15-27 or Jan 10-Mar. 20	DOE Renewal Re
Robert Y. George UNC-Wilm.	Blake Plateau off Carolinas and Florida	20 days in 2 cruises Dec. 10-12, 82 June 15-25, 83	NSF requested
Walker Smith Univ. Tennessee	Sargasso Sea 33°N, 75°W	39 days 6/20-7/21 8/10-25 & 8/10-22/84	NSF requested
Hans Paerl UNC-Marine Inst.	Subtropical areas of Atlantic & Caribbean	Most any	NSF requested
R. R. Colwell Univ. Maryland	Puerto Rico Trench	April 19 or June or July 4 days	NSF funded
R. W. Houghton Lamont-Doherty	N.Y. Bight at shelf break south of Long Island	1-18 days Mid June-Mid July	NSF funds to be requested
J. D. McCleave Univ. Maine	Atlantic NE of Bahamas	16 days Feb. 19-Mar. 6 21 days Apr. 1-21	NSF to be requ
Ed Foss Cape Fear Tech	Student training Cruises	60 days in 4 cruises (1 each season)	State Funds
A. C. Neumann UNC-Chapel Hill	Northwest Providence Channel	10 days winter	NSF funded

256 days

TENTATIVE SCHEDULE
ORV CAPE FLORIDA
Issue: 2/08/83

SCENARIO #2

Cruise Dates	Scientist	# Days	Areas of Operations
Jan 12 - Feb 25	R. Smith, OSU (MADIN) (NEC. ENDEAVOR)	45	1N-to-12S, Coast of Ecuador and Peru to 85W
March 9-23	S. Gruber, UM	15	Bahamas
March 31 - Apr 20	J. McCleave, U. Me	21	Atlantic deep waters NE of Bahamas. NEEDS MID-February CRUISE.
April 27 - May 10	R. Colwell, U. Md.	14	Puerto Rico Trench.
May 23 - June 21	W. Starmer/J. Fell- UM Syracuse	30	Dutch West Indies & Windward Is.
June 30 - July 14	S. Gruber, UM	15	Bahamas
July 22 - Aug 4	F. Schott, UM	14	Florida Straits, Providence Channel, East of Abaco Is.
August 12 - 27	W. Smith, U. Tenn	16	Sargasso Sea; 33N - 75W NEEDS Trip in JUNE.
September 6 - 20	S. Gruber	15	Bahamas.
Oct 3 - Nov. 16	R. Smith, OSU	45	Coast of Ecuador and Peru to 85W.
December	OPEN		
Total Days Proposed:		230	

SHIPTIME BY FUNDING AGENCY:

VESSEL	# DAYS	NSF GRANT	NSF NEW PROPOSAL	OTHER
C. Florida				
R. Smith		90		
S. Gruber		30	15 To be sent	
J. McCleave			21 " " "	
R. Colwell		14		
Starmer/Fell		30		
Schott				14 ONR
W. Smith			16 Sent	
	230	164	52	14
	100% =	71% +	23% +	6%

SHIPTIME BY INSTITUTION

VESSEL	Days	UOFM	OUTSIDE
C. Florida			
R. Smith			90
Gruber		45	
McCleave			21
Colwell			14
Starmer/Fell		30	~~30~~
Schott		14	
W. Smith			16
	230 =	89 +	171
	100%=	26%	74%

TENTATIVE SCHEDULE
ORV COLUMBUS ISELIN
Issue: 2/08/83

SCENARIO #2

Cruise Dates	Scientist	# Days	Areas of Operations
January 7 - 21	F. Schott, UM	15	Florida Straits, Providence Channel, East of Abaco Is.
Jan 31 - Mar 31	E.J. Katz, Lamont	60	SEQUAL Program. South Atlantic (Brazil-Abidjan)
April 11-25	F. Schott, UM	15	See 1/07-21 cruise.
May 3 - 23	C. Emiliani, UM (NITTRAUER/SEQUAL/WATTON)	21	Miami to Trinidad, east to Mid-Atlantic Ridge - and back to Miami
June 1 - 30	R. Ginsburg, UM	30	Southern Bahama Bank. (IF FUNDING NOT GRANTED, ALTERNATE WILL BE DR. SMITH, U. TENN.)
July 11 - 25	W. Hulet, U Texas	15	Eastern Gulf of Mexico
Aug. 5 - Oct. 3	E.J. Katz, Lamont	60	SEQUAL Program.
October 14 - 28	F. Schott	15	See 1/07-21 cruise.
Total Days Proposed		231	

SHIPTIME BY FUNDING AGENCY:

VESSEL	# DAYS	NSF GRANT	NSF NEW PROP.	OTHER
ISELIN				
Schott				45 ONR
Katz		60 funded	60 Sent	
Emiliani			21 Sent	
Ginsburg			30 To be sent	
Hulet			15 To be sent	
	231 =	60 +	126 +	45
	100% =	80%		20%

SHIPTIME BY INSTITUTION

VESSEL	# DAYS	UOM	OUTSIDE
ISELIN			
Schott		45	
Katz			120
Emiliani		21	
Ginsburg		30	
Hulet			15
	231 =	96 +	135
	100%=	42%	58%

University of Rhode Island, Kingston, R.I. 02881
Graduate School of Oceanography, Narragansett Bay Campus

MEMORANDUM

To: UNOLS Representatives

From: William B. Hahn WBH

Date: 2 February 1982

The Northeast Consortium Research Fleet (NECOR), comprised of Woods Hole Oceanographic Institution (WHOI), Lamont Doherty Geological Observatory (LDGO) and the University of Rhode Island/Graduate School of Oceanography (URI/GSO), has agreed to a coordinated operation of their UNOLS research vessels. One of the primary objectives of NECOR is to achieve more economical operation of their vessels through pooled inventories of costly supplies, standardization of large shipboard equipment, joint planning of equipment refurbishment and replacement, standardization of documentation on the performance of ship equipment, and the sharing of technical support where feasible. A committee has been established within NECOR to look at the marine technician operations and shared-use equipment pools at the three NECOR institutions.

Several meetings of the committee resulted in a list of equipment that is to be considered a minimum for any vessel in the NECOR fleet (attached). Institutions that were deficient in any equipment types were to propose their acquisition to the funding agencies to bring their inventory up to minimum standards.

The technician area was the one in which little commonality was found. It occurred to the committee that before it committed to a course of action, it would be very desirable to have an understanding of how other institutions managed their technician and equipment pools.

The Technician committee of NECOR proposed to contact personally each UNOLS institution by telephone and, using a questionnaire generated by the group, gather the information for each UNOLS institution.

At the same time NECOR was considering their technician operations, NSF/OFS, a major supporter of UNOLS ships' technicians and instrumentation, went through a change of personnel, and Larry Clark was named the new Program Manager for Marine Technicians and Instrumentation. The NECOR plan was presented to Larry Clark, and he endorsed the concept. Larry made several suggestions on changes and additions to the questionnaire to provide OFS with other information which Larry felt was pertinent to OFS mangagement of their Technician program.

A copy of the questionnaire is attached. The NECOR Technician Committee would like each UNOLS representative to provide this questionnaire to the individual or individuals at his institution who is directly involved with the day-to-day management and support of Marine Technicians and shared-use equipment at that institution. This name or names, along with a telephone number where the individual(s) can be reached, should then be provided to the NECOR committee. Each institution's responsible individual(s) will be contacted by a NECOR committee member and talked through the questionnaire.

The results of the survey will be made available to all responding institutions as well as OFS.

The names and telephone numbers can be sent to:

William B. Hahn
Graduate School of Oceanography
University of Rhode Island
Kingston, RI 02881

The NECOR Committee on Marine Technicians and Shared-Use Equipment:

William B. Hahn, URI/GSO
Jules Hirshman, LDGO
Ken Peal, WHOI

University of Rhode Island, Kingston, R.I. 02881
Graduate School of Oceanography, Narragansett Bay Campus

25 January 1982

Revised Technician Questionnaire

1) Does your institution have Marine Technicians by any definition?
   a) What is that definition and does it differentiate between project-specific technicians and those who are part of a general technician pool?

2) What are the sources and typical percentages of support for Marine Technicians at your institution?
   a) Technician support grant (NSF/OFS)
   b) Federal research grants (NSF, ONR, DOE, etc.)
   c) Institutional funds
   d) Other (private corporations, State, etc.)

3) If your institution has pooled technicians, what is the makeup of this pool in number and specialties?
   a) Describe any institutional policies on technician time at sea, and technician rotation on the ship.
   b) Does your institution require pooled technicians to be aboard each cruise of your institution's vessel(s)?
      If yes, what is the minimum number required?
      If no, what criteria is used for assigning a pooled technician to a cruise?

4) How are users of Marine Technicians charged for their services?

5) Does your institution or institution's pooled technicians support a pool of shared-use equipment? (Shared-use equipment is considered to be equipment available to all ship users regardless of affiliation.)
   a) What is the specific makeup of this pool?
   b) How is the pooled equipment charged for?
   c) What are the sources of the equipment in the pool (direct proposal, research grants, purchase with non-Federal funds, other)?
   d) If the pool owns equipment, is it charged for differently?
   e) Does your institution have a system for identifying the costs of operating the equipment pool? If yes, describe the essential details of the system.

6) Is equipment at your institution that is not in the pooled category available to non-institutional investigators? If yes:

   a) How is it requested?

   b) How is it charged for?

   c) Is technician support for equipment in this category mandatory? If not, can it be requested? How is this mandatory or optional technician support charged for?

7) Does your institution have a Science Officer, Cruise or Ship Coordinator?

   a) What are the duties and responsibilities of this individual(s)?

   b) Where does this position fit within the organizational makeup of your institution's ship/Marine Technician operations?

   c) How are costs for this position covered?

PROPOSED MINIMUM LIST OF SHARED-USE EQUIPMENT FOR NECOR VESSELS

This equipment will be made available upon request* to any scientist using a NECOR vessel.

- Precision Depth Recorders
- Transducers
  - 3.5 kHz and 12 kHz
- XBT Systems
  - deck unit
  - two launchers (port and starboard)
  - calibration probe
- Navigation
  - satellite navigation with automatic speed and heading inputs
  - Loran C
- Satellite Communications (ATS)
  - Basic equipment for voice
  - PCM modem
  - RS-232 terminal
- Slip Ring Assembly for Conducting Winch
- Ship Parameter Network (SAIL)
  - ship speed
  - gyrocompass
  - navigation (Loran C and satellite)
  - seawater temperature
  - time
- Water Sampling Equipment
  - Niskin bottles
  - messengers
  - reversing thermometers and frames
- Refrigerators and Freezers
- Salinometer
- Spectrophotometer
- Oxygen Titration Equipment

*Lead times required vary with equipment and institution.