

UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

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

UNOLS Office
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts 02543

ADVISORY COUNCIL

Minutes of Meeting Held August 24-25, 1978
New England Center for Continuing Education
University of New Hampshire, Durham, N.H.

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Accepted
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GENERAL: The following were present:

G. Anderson	J. Zeigler
R. Barber	*****
R. Fisher	M. Johrde
G. Keller	T. Forhan (first day only)
J. Martin	R. Mesecar (first day only)
J. Schubel	L. Clark
T. Treadwell	T. Stetson

(A. Richards, W. Ryan absent)

The meeting came to order at 0845. The Draft Agenda was adopted with additional items treated under item 9, "Other". The following paragraphs are keyed to the Agenda items.

1. Election of Chairman & Vice-Chairman. Dr. Keller was elected Chairman and Dr. Barber was unanimously elected Vice-Chairman of the Advisory Council.
2. Minutes of May 18-19, 1978 Meeting. These Minutes were accepted as written.
3. Report of May 1978, Annual Meeting. This draft report was accepted after incorporation of the minor changes in wording suggested by Dr. W. Wooster's letters to the secretary dated August 4 and 7, 1978.
4. UNOLS Submersible Science Facilities Study. Dr. R. Corell, ALVIN Review Committee Chairman, was unable to be present to present a status report. Mr. Stetson stated the study had not gone forward even though the work statement, initially developed by the Review Committee, had been transmitted to Mr. Richard Frank, NOAA, by Dr. Wooster in September, 1977. There are several factors which can be cited as contributing to the delay: Navy has not agreed on an amount or method of funding, the departure of Dr. W. Muellenhoff from the MUS&T Office and lack of a finalized proposal.

We believe Dr. T. Webster, Assistant Administrator of Research and Development, NOAA, has now taken up the matter with CNO; the secretary was instructed to request Dr. Corell to check on progress.

5 & 6. Shared Oceanographic Equipment Study. Miss Johrde introduced the subject with the hope the Council would ascertain what community problems existed and then determine what would be required to address them. She hoped the Council's findings would generate a set of recommendations on behalf of the community which would aid funding agencies in defining priorities, etc. Technicians are not an unrelated problem to the equipment scene. Council recommendations may be made in this area as well as that of institutional cruise coordinators. Further, these recommendations may establish minimum equipment standards for vessel classes.

Some equipment is funded directly by NSF program managers; OFS has budgeted roughly \$1M per year since 1973 for oceanographic equipment. The present "shared-use" study has resulted in updated lists in the three equipment categories normally funded by NSF. These are: 1) Basic ship operations, 2) Permanent shipboard scientific installations, 3) Instrumentation for data collection, processing and analysis.

The OSB has a committee (Drs. Spencer, R. Heath, W. Nowlin, M. Talwani) looking into scientific equipment problems. GAO is also studying equipment problems on a broader scale.

The secretary was instructed to confer with Dr. Spencer prior to his September 1 visit to OFS in an effort to minimize overlap in these parallel studies.

Dr. Mesecar gave a two-hour presentation on his findings on visits to 14 institutions. Others involved were Messrs. T. Forhan (OFS), W. Pederson (U. of Wa.), and F. Snodgrass (retired). His talk was recorded and will be transcribed and sent the Council after editing. Attachment A, distributed at the meeting, summarizes some study aspects. Also distributed were preliminary comments by Miss Johrde on the NSF portion of the study. These are not included here as they are preliminary and antedate the presentation.

The chart below was developed following the presentation. It may be useful in guiding the Council's study.

Basic Ship Operations	Gear in Support Of Science	Science General Purpose	Science Special
Ship Ops. Personnel		Sci. Techs.	Program Techs.
Safety Habit. Power Structural Etc.	Winches Wire Nav. Cranes Comm. Etc.	Autoanalyzer CTD Nishin Vans Etc.	X Y Z Etc.
← UNOLS To Study →		← Ocean Science Board To Study →	

Captain Treadwell was designated OSB liaison and Dr. Keller is in a position to work with Dr. Mesecar.

ACTION

- T. Stetson will confer with D. Spencer before his visit to OES September 1 concerning the approach the Council and Spencer's committee might take on respective equipment studies. He will report back.
- M. Johrde and T. Stetson will attempt to assess where the community stands with respect to major equipment categories such as winches, cables, navigation, communication, cranes, computers, etc. perhaps by vessel class.
- An unedited transcript of R. Mesecar's talk will be sent to him and M. Johrde.
- UNOLS Office will prepare from SOCC Reviews a compendium of each vessel's oceanographic equipment and power supply characteristics.
- RVOC will be asked for opinion(s) on basic oceanographic equipment standards for vessel classes prior to their Annual Meeting, October 2-3, 1978.

7. UNOLS' Day In Congress. Captain Treadwell reported his and Dr. Wooster's presentation of testimony July 12 had gone very well. Copies have been made available to the Council.

It was brought to the Council's attention that Dr. W. Gaither (U. of Del.) intended to submit testimony on his own behalf. This is of serious concern to UNOLS as he offers a minority opinion at odds with that of the community. There has been an exchange of correspondence between him and the UNOLS' Chairman. Captain Treadwell's letter to Dr. Gaither of 7 August 1978 was distributed to the Council. As Dr. Gaither's testimony will be a matter of public record, it will be made widely available.

What remedial action the Council will take is under discussion. NSF has been requested to comment to Rep. Breaux's committee.

8. Election Procedures. Dr. Keller was concerned that the Charter stipulates Member Institutions (only) shall vote on Council candidates. Council members felt it should be given further thought and so postponed action until the November meeting.

9. Other:

AGOR MANNING. A letter dated August 8 from Mr. J. Gibbons, RSMAS Operations Manager, explaining difficulties in obtaining licensed engineers for AGORs was distributed. As the subject of public vessels is a complex one and in light of the possibility there may not be unanimous feeling as to method of relief among operators, it was decided to request RVOC at its upcoming annual meeting to study the problem.

CY79 FUNDING. Miss Johrde put the following figures on the board.

FY 1978 ACTUAL

NSF	\$ 16,128K
ONR	2,439
DOE	1,011
USGS	819
NOAA	109
BLM	489
NAVALEX	835
OTHER FEDERAL	180
STATE/INST.	794
INDUSTRY	405
	<hr/>
	\$ 23,209K

FY 1979 FLEET SUPPORT

	<u>Requests</u>	<u>Likely</u>
NSF	\$ 20,819K	\$ 16,800K
ONR	2,308	2,300
DOE	849	850
USGS	478 to 750 +	750
NOAA	257	
BLM	154	
NAVALEX	995	1,968
OTHER FEDERAL	55	
STATE/INST.	370	
INDUSTRY	137	
	<hr/>	<hr/>
	\$ 26,422K	\$ 22,670K

Shortfall: \$ 3,750K
(2.5 Optimistically)

ESTIMATED FY 1979 OFS BUDGET

OPS	\$ 19.2M
Ships	16.8
ALVIN	1.0
Techs.	1.3
Other	.1
Construction	3.0
Equipment	<hr/>
	1.2
	<hr/>
	\$ 23.4M

CALIBRATION FACILITIES: A listing of member's calibration facilities and how to access them was discussed. The secretary was requested to canvas members for information on their facilities; such a listing will include STD/CTD, thermometer, current meter calibration facilities as well as other facilities such as pressure test installations and flumes.

DISTANT WATER RESEARCH. Last March Dr. Wooster requested distant water operators to submit a brief history of foreign clearance requests. Having heard from all but Lamont and Woods Hole, the secretary had made a tabulation of countries visited by vessels for the last eight years. In view of the fact a final report of the joint OPC-UNOLS workshop (LaJolla, January 1978) has not yet been released, the secretary volunteered to put together from UNOLS' data a listing of scientists who have recently conducted distant water research. This listing would include name, institution, phone number, country visited, date, vessel's name, name of foreign institution or individual visited, foreign observers aboard, etc. This would be transmitted to the UNOLS' community.

MEETINGS:

Second Working Conference on Oceanographic Data Systems
September 26-28, 1978, W.H.O.I.

Advisory Council
November 2-3, 1978, Stony Brook
January 25-26, 1979, Scripps

Adjourned at 1125 AM.

Thomas Stetson
Executive Secretary
UNOLS

SUMMARY OF INSTITUTIONAL REPORTSInventory System

- Dominantly central	5	Institutions
Both	1	"
Local dominates	6	"
Local	3	"
- Computer	7	"
Card System	6	"
Mixed	2	"
- Freq. of review		
Annual	6	"
Other	3	"
None	6	"

Accountability

- Overall Univ.?		
Yes	5	"
No	9	"
Other	1	"
- PD		
Yes	6	"
Delegates	7	"
Some	2	"

- For ships' gear

Virtually all to Marine Sup., Port. Capt., or Ship Op. group

- For scientific instruments

Tech/pool(s)	7 Institutions	
Numerous pools	2	"
Individual users	2	"
Scattered	1	"
Other	3	"

Maintenance

- For ships' gear

By whom? Virtually all assigned to operations staff, often including crew members.

\$\$ from? All from ship ops budget; two may add State \$\$.

- For scientific instruments

By whom?

Techs/Pool(s)	7	"
Numerous Pools	2	"
Individual users	2	"
Mixed/scattered	2	"
Other	2	"

\$\$ from?

OFS Tech grants + res. grants, etc.	6	"
Predominantly res. grants	5	"
Mixed/uncertain	2	"
Other	2	"

Access/Utilization

- List of gear & equip. for users?

Yes

4 Institutions

No

11 "

Individ.(s)

(3) "

Word of Mouth

(4) "

- For ships' gear?

"Good" overall at most institutions -
although records poor for some types
of gear (element of unknown)

- For scientific instruments?

More varied and even harder to track since
accountability and location is more varied

Effective Shared Use

- For ships' gear?

A function of ship shared use. Mostly "good".

- For scientific instruments?

• Depends on accountability and location - far
more varied among institutions - records meager

• Institutions attempting shared use of more than

OFS furnished scientific instruments:

6 Institutions

OFS Proposal Inputs/Decisions

- Inputs from?
 - Ship Ops/Crew component - yes for virtually all institutions although way in which input made varies
 - Scientist/user input obtained at nearly all institutions; again the form and extent varies
 - 11 institutions use one (or several) committees or faculty council in the process of screening and discussing inputs (and perhaps adding their own)
- Final Decision
 - 10 institutions arrive at the final proposal by consensus (usually of the committee or council)
 - at 5 institutions the director and/or the P.D. make(s) the final decisions

OFS Furnished Inventory

- Heavy on ships' gear
 - 5 institutions
- Mixed
 - 9 institutions
- Heavy on scientific
 - 1 institution

Major Sources of Scientific Instruments

- | | |
|-------------------------|----------------|
| - OFS only | 2 Institutions |
| - OFS & research grants | 4 " |

- OFS, rg's + state or other	2 Institutions
- Predominantly research grants	4 "
- Research & other	3 "

Major Source of Ships' Gear

Virtually all are dependent on OFS. Only one indicated availability of some state money for this purpose.

Scientific Coordinator for Cruise Planning?

5 institutions have something resembling. Of these
2 appear to be "excellent". Remaining
3 range from "fair" to "poor".

1 institution attempting to recruit one.

1 other has a different one for each major cruise

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ADVISORY COUNCIL MEETING

0830, August 24-25, 1978
Narragansett Room, New England Center for Continuing Education
University of New Hampshire, Durham, N.H.

Draft Agenda

1. Elect Chairman and Vice-Chairman for Advisory Council
2. Accept Draft Minutes of Advisory Council Meeting held May 18-19, Washington, D.C.
3. Accept Draft Report of May 1978, Annual Meeting
4. Update on the UNOLS Submersible Science Facilities Study
 - Dr. Robert W. Corell
5. Report on the Shared Oceanographic Equipment Study
 - Dr. Roderick Mesecar
6. Review of OFS' Portion of the Shared Oceanographic Equipment Study and Comments on Related Technician Support
 - Miss Mary K. Johrde
7. UNOLS' Day In Congress - Postscript
 - Captain T.K. Treadwell
8. Election Procedures Re Advisory Council
 - Dr. George H. Keller
9. Other

26 July '78