

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, February 26-27, 1981
Room 811, Oceanography & Meteorology Bldg.
Texas A & M University
College Station, Texas

GENERAL: A welcome to the Department and Texas A & M was given by Dr. R. Reid, Chairman, Department of Oceanography, TAMU. G. Anderson convened the meeting at 0845. The draft agenda (Attachment I) was adopted, but the order of discussion was as reported below. Dr. Rossby acted as Chairman for the second day, as Dr. Anderson commenced travel to Saudi Arabia.

Those present were:

G. Anderson	* * * *
J. Martin	F. Alexander
B. Robison	M. Johrde
T. Rossby	M. Rawson
D. Spencer	T. Stetson
T. Treadwell	(Absent: C. Miller
J. Zeigler	W. Sackett, W. Ryan)

1. MINUTES OF PREVIOUS MEETING: A second draft of the minutes of the December 4-5, 1980, St. Petersburg, Florida, meeting was distributed by Stetson and was accepted as written.

2. RESEARCH SUBMERSIBLE FACILITY REPORT: Mr. Rawson, L-DGO, had been invited to attend and recounted a history of this study concerned with the short and long term suitability for academic research of the present ALVIN/LULU system.

The Council, as well as the ALVIN Review Committee, had received just prior to this meeting a second draft of the Science Panel's

report as well as a first draft of that of the Task Force. The four meetings of these groups are well documented by the project office at L-D60 under W. Ryan and need not be detailed here.

The joint report addresses at length the necessity of a manned submersible for research in various disciplines and considers using KNORR, MELVILLE, CONRAD class, or chartered vessel as the surface support vessel. An engineering look is taken at the conversion of ALVIN to single-point lift. In the present report, costs associated with modification/conversion of ALVIN/surface vessel are estimated from the current costs associated with the Navy's SEA CLIFF's upgrading.

There was concern that the report would not be reviewed and in final form by the UNOLS Semiannual Meeting in May. M. Johrde emphasized the report must be a reflection of community feeling to be useful to the sponsoring agencies.

There was a question as to whether the Ocean Sciences Board's Fleet Study was going to include submersibles. At any rate it won't be out in the near future.

There was a desire to get comment by the French on the report. The Executive Secretary will consult with Dr. Ballard or Mr. Marquet at Woods Hole as to who would be a suitable reviewer. Dr. Robison agreed to receive comments on the report by other Council members by 13 March.

3. DATE/AGENDA FOR SEMIANNUAL MEETING: May 28-29, 1981, was approved as the date for the spring semiannual meeting. The Executive Secretary noted rooms at the National Academy were not available that date but the Cosmos Club Auditorium was and has been engaged.

Various guest speakers were proposed, and Treadwell offered to contact an NSF Official as well as a Canadian. He reviewed candidates' names submitted to date to the Nominating Committee for Advisory Council positions as well as UNOLS' officers.

The question arose as to whether UNOLS' institutions or RVOC could or should have access to budgetary information contained in ship operations proposals to NSF. The Executive Secretary has never released this information, except with the explicit consent of a cognizant officer. It was agreed this could be an agenda item for the May semiannual meeting.

4. EAST & WEST REGIONAL SCHEDULING GROUPS: G. Anderson, who had attended the Eastern Group meeting in December and his Western Group in January, reported both sessions had gone well and detailed reports were available on each from the UNOLS Office. Marine technician concerns are reported below (6).

5. RECENT TECHNOLOGY ASSESSMENT COMMITTEE (TAC) MEETING: Both G. Anderson and D. Spencer had attended the TAC January meeting in San Diego. The latter reported the TAC was requested to work on their various reports in concert, tackling subjects one at a time. Priorities on subjects to be assessed were developed at the Council's December meeting and relayed to TAC as follows:

- winches/wire
- cranes
- Communications/navigation
- ship laboratory space/facilities

Schedules were devised and agreed to for the marine crane and winch/wire reports for which considerable data gathering and writing has already been done. The schedules are attached (Attachment II) and indicate the Council could expect the crane report about mid-April and the winch/wire report early September.

There had been earlier discussions between NSF and ONR as to whether the TAC's duties could be expanded to assess the oceanographic equipment of individual UNOLS vessels. This did not catch the Council's fancy and devising means of accomplishing this remains a problem within the community. Capt. Treadwell offered to investigate setting up a select committee of perhaps six persons which would carry out scientific inspections of all UNOLS vessels, NSF, ONR or privately owned.

6. MARINE TECHNICIAN SUBCOMMITTEE: T. Treadwell, B. Robison, and D. Spencer had put forth (December 1980) suggestions and a trial form for use by potential P.I.'s for hi-lighting requirements for shipboard technician services during planning stages of ship operations. This effort received brief consideration at both East and West Regional Scheduling Group meetings but no consensus was reached as to how to proceed.

Definition and performance of marine technicians are two different concerns. NSF would like UNOLS to put together an agreed-upon way of treating marine technicians as well as their relation to shared-use equipment. At present treatment varies from institution to institution. This will be discussed at the East/West Scheduling Groups' session in May.

7. TELEMAIL NETWORK: D. Spencer distributed papers relating to PEQUOD users' recent experience using the Telemail system from T.G. THOMPSON on a recent cruise, interaction among PEQUOD, CODE and DRIFTERS nets, and a user's manual.

Viewgraphs, reproduced here as Attachment III, illustrate the basic operation and costs. The Council felt that the UNOLS organization would

benefit from joining as a UNOLS net, at least a trial for a year should be made. D. Spencer and T. Stetson will get together with R. Heinmiller, administrator of these established nets and determine needs and eventual relation to the satellite link currently funded by UNOLS.

8. POST CRUISE REPORTING: The need to assess a ship's ability to accomplish its mission scientifically was discussed. This concern was touched on earlier under (5) above. A form (Attachment IV) was distributed by M. Johrde for comment. D. Spencer suggested under "Cause(s)" that percentages be requested. T. Stetson offered to send this, after modification, to recent P.I.'s or chief scientists recently aboard our vessels as an experiment, the results of which can be discussed at the May meeting.

9. OTHER: A Search Committee to find a replacement for the Executive Secretary, who has expressed a desire to be relieved, was set up. Members of this group are: G. Anderson, B. Robison, D. Spencer, T. Treadwell, J. Zeigler, and from NSF and ONR respectively G. Gross and R. Winokur. Absent members will be contacted to see if they would serve.

The Council agreed to let the question as to where the UNOLS Office was located rest until a replacement was found. UNOLS members would be consulted.

Adjourned 1140, 27 February 1981

Thomas Stetson
Executive Secretary
UNOLS

Upcoming UNOLS Meetings:

23-24 April ALVIN Review Committee, Woods Hole, MA
27 May Advisory Council, Washington, D.C.
28-29 May UNOLS Semiannual Meeting, Washington, D.C.

TS:lm

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ADVISORY COUNCIL MEETING

0830, February 26-27, 1981
Room 811, Oceanography-Meteorology Bldg.
Texas A & M University
College Station, Texas

DRAFT AGENDA

1. Accept Minutes of December Meeting, St. Petersburg
2. Set Date for UNOLS Semiannual Meeting
May 28-29 is being considered
Agenda items, speakers
Nominating Committee report
3. East & West Regional Scheduling Groups
Reports on these two meetings will be made
4. Report on the Recent Technology Assessment Committee
Reorganization was the keynote of the January meeting
5. Marine Technician Subcommittee
Reaction to the proposed technician request form
Other
6. The Telemail Network
A useful means of communication for UNOLS? - D. Spencer
7. Consideration of the Research Submersible Facility Report
Prior to meeting time you will have received a copy
This must be accepted at the Semiannual Meeting
8. Post Cruise Reporting
Information on Ship's ability to meet its mission
would be valuable - M. Johrde
9. Other

27 January 1981

TECHNOLOGY ASSESMENT COMMITTEE
MILESTONE CHART

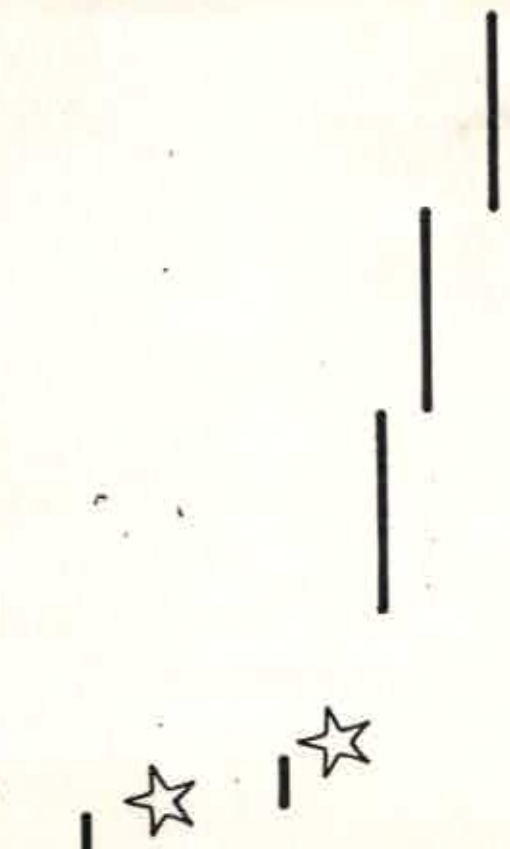
TAC
10-3-81

CRANE REPORT AND WINCH & WIRE REPORT

PHASE I
1981

J F M A M J J A S O N D

1. PREP. OF PRELIMINARY DRAFT BY AUTHORS
2. SUBMITTAL OF REPORT TO TAC & UNOLS INSTITUTIONS
3. REPORTS RETURNED TO AUTHORS WITH COMMENTS OF SCIENTIFIC & MARINE PERSONNEL
4. REDRAFT OF REPORT BY AUTHORS
5. PRELIMINARY REPORT TO UNOLS ADVISORY COUNCIL
6. ADVISORY COUNCIL REVIEW
7. REPORT RETURNED AND UPDATED BY AUTHORS
8. UPDATE AND REVIEW OF FINAL CRANE REPORT AND PRELIMINARY WINCH & WIRE REPORT, ADVISORY COUNCIL



PHASE 2

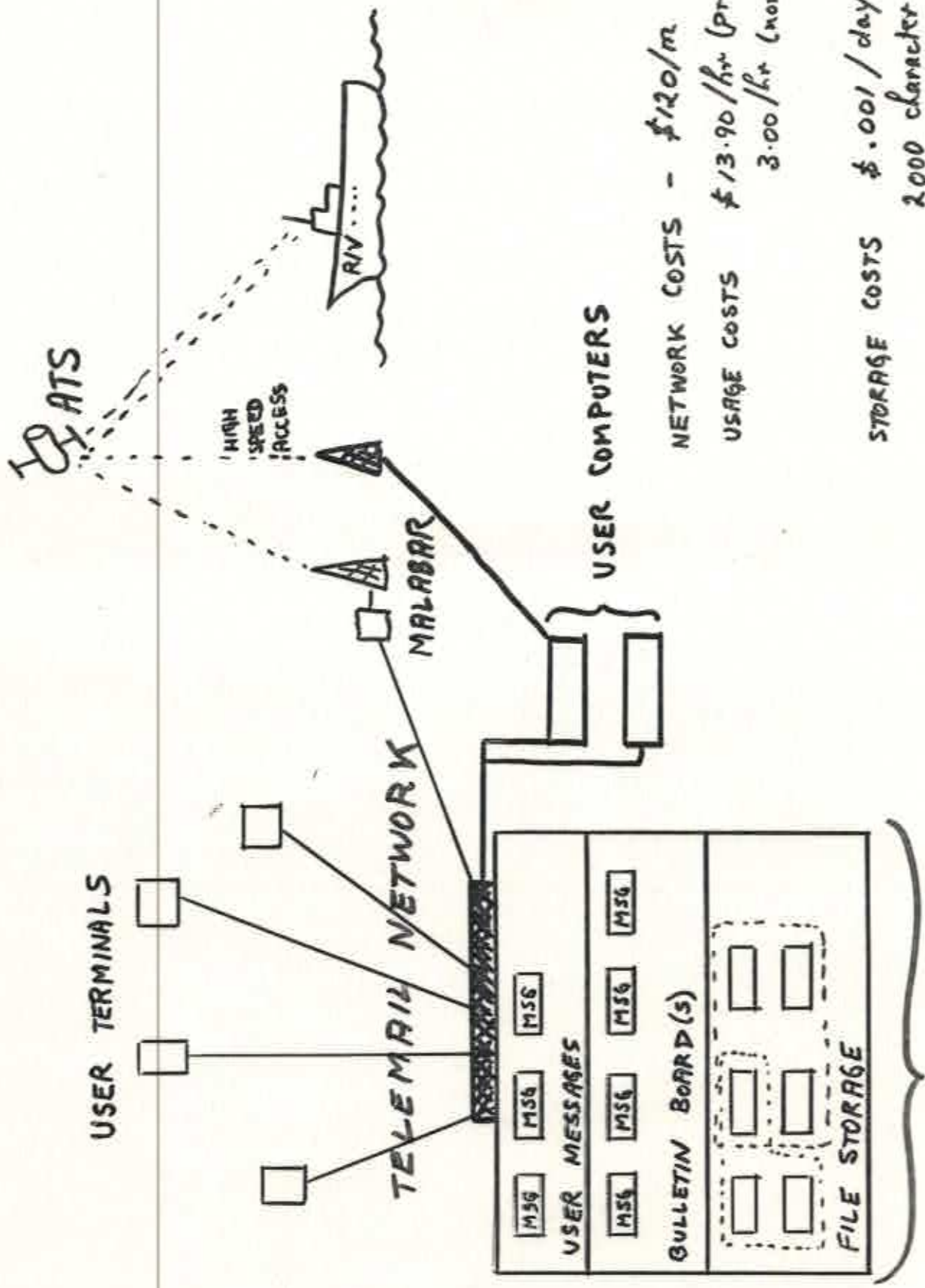
PREPARATION & RELEASE OF FINAL WINCH & WIRE REPORT

1981

A M J J A S O N D

1. GATHER WINCH DATA & SPECS
2. WINCH DATA ANALYSIS
3. PREPARE DRAFT OF FINAL REPORT
4. TAC COMMITTEE & ADVISORY COUNCIL REVIEW OF REPORT AND RETURN TO AUTHORS
5. PREPARE FINAL DRAFT OF REPORT WITH REVIEW BY ADVISORY COUNCIL
6. PREPARE AND DISTRIBUTE FINAL WINCH AND WIRE REPORT





NETWORK COSTS - \$120/m

USAGE COSTS \$13.90/hr (prime time)
3.00/hr (non prime time)

STORAGE COSTS \$0.001/day for
2000 character unit

REQUIRED EXPERIENCE ~\$35/m/user
~\$1.53/message

Attachment III

COMPUTERS IN RESTON, VIRGINIA

SUGGESTED COST ALLOCATIONS

USERS

Usage * \$13.90 - \$3.00/hr
 Storage * \$.001/d / 2000 characters
 (~ \$35/m/user)

UNOLS

NETWORK \$120/m
 ADMIN (OMNET) \$150 - \$300/m
 \$270 - \$420/m

Ongoing

Terminal aquisition ~

\$500 - \$5000

Ship Antennas etc ~ \$750/ship

\$500 - 1000

ADMIN (OMNET)

One time

* Charged Through UNOLS or OMNET

* For 48 UNOLS members ~ \$1680/m

(include 17 ships ~ \$2275/m)

* PEQUOD EXPERIENCE

DRAFT

Attachment IV

University-National Oceanographic Laboratory System
Research Cruise Assessment

Project Title and Grant Number:

Actual Cruise Dates:

Principal Investigator:

Transit days _____
Station days _____

Ship:

Primary Project _____
Ancillary Project _____

Area of Operations:

Brief Description of Scientific Program:

Was the cruise (fully, partially, marginally successful, or unsuccessful) in terms of your scientific project? (Underline one of four choices). If not fully successful, complete the following:

Station(s) not occupied _____; days lost _____ of _____ days scheduled.
(Fill in numbers.)

Cause(s):	Weather	_____	*Equip:	Crane	_____
	Main Eng	_____		Winch	_____
	Elect power	_____		A-Frame	_____
	Diversion	_____		Computer	_____
	Equip*	_____		Electronics	_____
	Techs	_____		(Specify)	_____
	Crew	_____		Other	_____
	Other	_____		(Specify)	_____

Describe problem(s) below under "Comments" or on reverse side.

Was ship's major equipment appropriate for your planned program? _____
(Yes, no) If no, explain.

Was it your choice of ship? _____ If not, what ship was? _____

Had you used the ship previously? _____ If not were you given adequate advance information by the operator institution concerning equipment and technician services that were to be provided? (Yes/No) If not, describe.

Comments: (For successful as well as unsuccessful cruises)

