

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, October 20, 1981
Room 643, National Science Foundation
1800 G Street, NW, Washington, D.C.

~~ADOPTED
DRAFT COPY~~

14 FEB 82

at A/C-ARC mtg
San Antonio TX

GENERAL: This meeting was held the afternoon before the UNOLS Semi-annual Meeting. It was called to order by B. Robison, Chairman, about 1500 hours in Room 643 of the NSF. The agenda is attached as Appendix I.

The following were present:

* * * *

B. Robison
R. Corell
J. Curray
D. Gorsline
C. Miller
W. Sackett
J. Van Leer
D. Spencer
D. Frankenberg
T. Rossby (abs)

F. Alexander
L. Clark
K. Kaulum
R. La Count
A. Montgomery
B. Onestak
T. Stetson
R. Wall

1. ADOPT MINUTES OF LAST MEETING: The minutes of the Advisory Council Meeting of August 27-28, 1980, at W.H.O.I. were adopted.
2. COUNCIL STANDING ROLES: The standing responsibilities developed at the August Advisory Council and Executive Committee Meetings were reviewed. These remain:
 1. Fleet efficiency & effectiveness (J. Curray)
 2. R/V User Manuals (D. Frankenberg)
 3. Replacement & addition of ship's equipment
 - a. Winches/Wire (T. Rossby)
 - b. Computers (D. Spencer)
 - c. Communications (J. Van Leer)
 4. Replacement, additions, retirement of fleet
 - a. Ship design (C. Miller)
 - b. Management (R. Corell)

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5. Specialized facilities (T. Rossby)
6. Cooperative bulk purchases (D. Gorsline)
7. Regional ship scheduling groups (W. Sackett, East -
B. Robison, West)

Some additional observations were made regarding the above:

- A workshop was suggested to be held in conjunction with a national meeting to develop a short course format to deal with the great proliferation of microprocessors and central processing units.

- UNOLS might establish a library of member software lists and facilitate access to items.

- D. Spencer, 3b & 5

- Further study is indicated for UNOLS in the use of ATSS or Marisats.

- Can radio spectrum managers, either NSF or others be of use to UNOLS?

- The Global Positioning System is expected to be in operation by 1986, unless DOD changes its plans.

- J. Van Leer, 3c

- The East/West Regional Scheduling Groups should consider combining more programs.

- Note was taken of the fact that a recent draft of the Ocean Science Board's report assessing the fleet doesn't mention the East & West Regional Ship Scheduling Groups.

- W. Sackett, 7

3. STATUS OF TAC REPORTS: It was agreed the following reports had had extensive review and could be released as technical reports for whatever purpose members desired. They are:

Serial ASCII Instrumentation Loop (SAIL)

Oceanographic Research Cranes

The report on winches and wire is nearing completion and may require a fuller review. The Council will take action when they receive it.

4. ANTICIPATED FUNDING TRENDS: R. La Count said the entire NSF budget was \$ 909.5M (for FY82) but is subject to a 12% cut. For the Div. of Ocean Sciences and Office for Oceanographic Facilities & Support it breaks down as follows:

			\$ M		
Ocean Science Div.	Was	79.7	Would be	70.7	
OFS	Was	27.	Would be	24.	

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Budget cuts indicated GLOMAR CHALLENGER would continue through 1983 and the Ocean Margin Drilling Program would be curtailed. The Administration is requesting another 12% cut in FY 1983.

D. Spencer suggested a common market approach might need be tried wherein an institution, or consortium, would bid to support a specific platform under the condition that it also agreed to support the ship time requests of the entire community for the platform(s).

Attached as Appendix II are two 5 year summaries of support for U.S. marine science. This data was gathered by the Marine Affairs Council and made available to us by D. Frankenberg.

5. REVIEW SEMIANNUAL MEETING AGENDA: Review of the agenda resulted in no further action other than that mentioned under "OTHER c." below.

OTHER:

a. RVOC MEETING: D. Frankenberg reviewed the recent annual RVOC Meeting, held at Duke University Marine Lab. Major items of concern were reaffirming uniform cost accounting and in developing a uniform procedure for vessel charters to persons/firms outside the UNOLS framework.

The RVOC indicated a willingness to engage in bulk purchases, exchange technical data on ships' equipment and develop a means of publicly promoting the fleet. A short film on survival suits was shown and there was opportunity to inspect CAPE HATTERAS.

b. SUBMERSIBLE SCIENCE STUDY: T. Stetson reported W. Ryan, L-DGO, project leader, thought mid-November a realistic deadline for this study referred to as the "S³ Report".

Last July the UNOLS Office funded an engineering study on possible AGOR class UNOLS vessels that might conceivably replace LULU as support vessel for ALVIN. John W. Gilbert Associates, naval architects, were selected and Mr. Gilbert presented his findings. Very briefly it appears the smaller AGORs would be too wet for ALVIN operations or too expensive to convert, but KNORR or MELVILLE could be possibilities.

His report will be incorporated in the S³ Report.

c. NASULGC: R. Corell and D. Frankenberg led a discussion on the National Association of State Universities and Land-Grant Colleges. This association maintains a Washington office to track pertinent legislation through the budget process and keeps its members informed of that progress.

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It was agreed to apprise UNOLS Members of this organization at the next day's Semiannual Meeting, to be followed by a written brief by D. Frankenberg outlining what benefits support of NASULGC would bring.

Adjourned 1855
October 20, 1981

Thomas Stetson
Executive Secretary
UNOLS

Next Meeting:

Advisory Council, 14-15 February (Sunday-Monday)
San Antonio, TX, in conjunction with the ASLO-AGU Meeting 16-19
February 1982

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5 October 1981

ADVISORY COUNCIL MEETING
1500, October 20, 1981
National Science Foundation, Rm 643
Washington, D.C.

DRAFT AGENDA

Adopt Minutes of Meeting 27-28 August

Review of Council Standing Roles

Status of TAC Reports

Anticipated Funding Trends

Review of Semiannual Meeting Agenda

Other

Two 5 year summaries of support for U. S. marine science follow. Below is an updated version of information published in the NOAA report on the Federal Ocean Program. The second is original data on support for marine sciences at academic institutions based on data reported by 33 of 52 institutions from which such data were requested and public information for one other institution.

Oceanographic Research

9/81

U.S. FEDERAL OCEAN PROGRAM
FY 1975 - 1981

(REAL / CONSTANT VALUE \$M)

	1975	1976	1977	1978	1979	1980	1981
Dept. of Energy	9.4 8.6	10.5 9.1	13.6 11.2	12.9 9.9	13.0 9.2	14.2 9.2	11.9 7.2
DoD-Military	27.7 25.4	31.8 27.7	31.8 26.1	37.0 28.3	40.4 28.5	45.5 29.4	53.8 32.6
D. of Commerce	19.5 17.8	19.8 17.2	23.5 19.3	26.9 20.6	28.8 20.3	34.0 22.0	34.3 20.8
D. of Transport.	0.2 0.2	0.2 0.2	0.2 0.2	0.1 0.1	0.1 0.1	0.2 0.1	0.2 0.1
N S F	65.7 60.1	65.0 56.6	73.8 60.7	78.9 60.4	88.8 62.7	97.5 63.1	112.0 67.9
Smithsonian	1.6 1.5	1.6 1.4	1.7 1.4	1.8 1.4	1.8 1.3	3.6 2.3	3.8 2.3
Total Oceanographic Research	124.1 113.6	128.9 112.1	144.6 118.9	157.6 120.7	172.9 122.1	195.0 126.2	216.0 130.9

Sources: -The Federal Ocean Programs FY 1975-1977, March 1976
 -Federal Marine Science Report (DRAFT) FY1977-1980
 -Dept. of Commerce, Implicit GNP Deflator

Funding for marine and Great Lakes science from grants, contracts and other sources totaled from original data submitted by the following 32 institutions (units): Bigelow Lab. Ocean. Sci., Columbia (Lamont/Doherty Geol. Obs.), Cornell (Sea Grant Prog.), Duke (DUML), Florida State U. (Dept. Ocean.), Gulf Coast Res. Lab., Louisiana State U. (Cntr. Wetland Res.), Mar. Sci. Consortium - Virginia, Moss Landing Mar. Lab., N. J. Mar. Sci. Consortium, N. Car. State U. (All Dept.), Oregon State U. (Sch. Ocean.), Skidaway Inst. Ocean., State U.N.Y. (Mar. Sci. Res. Cntr.), Texas A & M (All Dept.), U. Alaska (All Dept.), U. Connecticut (Mar. Sci. Inst.), U. California (Sea Grant College Prog., Scripps Inst. Ocean.), U. Delaware (All Dept.), U. Maine (Cntr. Mar. Studies), U. Maryland (Cntr. Estuar. & Envir. Studies), U. Miami (Rosenstiel Sch. Mar. & Atm. Sci.), U. Michigan (Great Lakes & Mar. Waters Cntr.), U. N. Car. (Inst. Mar. Sci., Mar. Sci. Curr.), U. Puerto Rico (Mar. Sci. Dept.), U. Rhode Island (Grad. Sch. Ocean.), U. S. Car. (Belle Baruch I.M.B.C.R.), U. South Florida (Mar. Sci. Prog.), U. Texas (M.S.I., G.G.L., P.A.M.L.), U. Washington (A.P.L., Sch. Ocean., I.M.S., P.S.C., Sch. Fish., Wash. Sea Grant), U. Wisconsin/ Milwaukee (Great Lakes Res. Cntr.), Woods Hole Ocean. Inst., and from public information for the University of Hawaii (All Dept.).

Support in millions of dollars

<u>Funding Source</u>	<u>1976-77</u>	<u>1977-78</u>	<u>1978-79</u>	<u>1979-80</u>	<u>1980-81</u>
Dept. of Defense					
ONR	22.10	24.83	24.68	26.40	24.99
Corps of Engineers	.41	1.58	.31	2.97	1.86
Unspec. & Other DOD	9.12	10.09	10.21	10.76	10.92
Dept. of Energy	6.45	6.22	8.92	8.46	8.96
Dept. of Interior					
BLM	3.03	1.26	2.35	2.07	2.59
OCS	.86	3.81	1.71	.37	1.26
USGS	.11	.16	.85	.27	.63
OWRT	.04	.05	.03	.17	.38
F/WLS	.50	.60	.15	.76	.46
Unspec. & Other DOI	1.03	.84	1.42	1.11	1.36
EPA	3.19	3.55	2.87	2.94	3.00
NASA	.99	.93	.99	1.56	1.44
NOAA					
Sea Grant	13.71	14.09	15.74	18.44	21.74
NMFS	.33	.38	.39	.53	.78
Unspec. & Other DOC	6.06	7.76	10.02	12.47	12.20
NSF	70.41	71.88	76.44	82.66	84.16
Other Federal					
HEW-NIH, PH	.45	.70	1.12	1.05	.95
DOT-USCG	--	.04	.04	.15	.01
AID	--	--	--	.91	2.19
Unspec. & Other Fed.	4.19	4.29	5.28	5.20	4.74
State/Local	17.41	20.66	20.03	22.99	24.09
Private					
Industry	3.39	7.49	3.69	6.29	6.71
Foundation	2.45	1.99	2.83	1.85	1.54
Unspec. & Other Priv.	4.84	6.51	6.62	8.03	9.79
Unspec. & Other	1.50	1.04	1.66	1.43	1.12
TOTAL	172.57	190.75	198.35	219.87	227.97