

DRAFT

MINUTES OF UNOLS ADVISORY COUNCIL MEETING
January 27 - 28 1972

1. A regular meeting of the UNOLS Advisory Council was convened at 9:00 a.m. January 27, 1972 at the Skidaway Institute of Oceanography, Savannah, Georgia.

Present were:

Members

Dr. J. V. Bryne, Chairman, Oregon State University
Dr. D.W. Menzel, Skidaway Institute
Dr. R.A. Ragotzkie, University of Wisconsin
Dr. H.M. Stommel, MIT
Dr. W.S. Wooster, Scripps Institution

UNOLS

Dr. A.E. Maxwell, W.H.O.I. - UNOLS Chairman
R.P. Dinsmore, Executive Secretary

Guests

Mary Jahrde, National Science Foundation
Dr. N.A. Ostenso, Office of Naval Research

2. The minutes of the previous meeting of 6 December 1971 were reviewed and amended in that the 29th word of Section 5 was corrected to read as "advise on" vice "set". The minutes were thereupon approved.
3. The Draft Agenda was adopted as submitted.
4. The Executive Secretary reviewed the working papers for this meeting and reported on the activities of the UNOLS Office since the last meeting, and of the background leading up to the formation of the Working Group for Facility Utilization which was brought about by a need to reconsider the vessels EASTWARD and ALPHA HELIX in the light of UNOLS.

5. The Advisory Council received and took up the Report and Recommendations of the Working Group on Facility Utilization which met on January 11, 1972. Under this subject there followed extensive discussion concerning any proposed change in the EASTWARD and ALPHA HELIX programs especially the latter regarding the desirability as well as feasibility of expanding the concept of efforts. It was agreed that ALPHA HELIX should continue to be considered as a unique capability with new programs in marine science competing with the traditional efforts on the basis of scientific merit and capability of the vessel.

Equal discussion concerned the matter of review committees and especially whether one committee could serve for both ships. Professor Wooster argued that because of the differing natures of research, ship characteristics, regional considerations, and volume of committee work a single committee was not feasible. Dr. Maxwell submitted that a single committee with the overview opportunities it afforded was the only real step forward in the whole arrangement; and this is already recognized in that at least two members of the existing committees are common. The Chairman proposed with resulting general agreement that the single committee be considered but with size, capability and flexibility to deal with the uniqueness of each facility, including outside consultants as necessary.

Each recommendation of the Working Group was reviewed and discussed. It was agreed to accept the Report and Recommendations in principal subject to further Advisory Council action on National Cooperative Facilities (Agenda Items 5 and 6).

6. The Advisory Council then took up the Report and Recommendations of the Working Group on Submersibles. Under this heading there was lengthy discussion on the general philosophy of new, large and universal cooperative programs. Dr. Ostenso cautioned against too rapid changes in existing arrangements and questioned the need for many newly developing institutional arrangements.

In reviewing the specific recommendations of the Working Group, the Advisory Council strongly endorsed the introductory recommendation and especially that "submersibles, like ships, should be available to qualified researchers and their students on a competitive basis without regard to source of financial support or affiliation with a submersible-owning institution." Regarding specific recommendations concerning the kind of and distribution of submersibles, this was considered a continuing development for the future as contrasted with the one university submersible in operation now (i. e. ALVIN), and action should be so directed. All other recommendations were accepted and approved in principle except that travel for researchers should come from project funding and not from operating funds.

7. The Advisory Council next took up the concept of National Cooperative Facilities which would become the mechanism by which the Working Groups' recommendations on EASTWARD, ALPHA HELIX and submersibles would be implemented. Definitive matters were discussed in turn and the concept of UNOLS National Cooperative Facilities were developed according to the following major points:

- a. National Cooperative Facilities shall be in addition to regular institutional UNOLS facilities.
- b. National Cooperative Facilities will be defined as specifically designated facilities made available for use of qualified scientists and the use of which shall be determined by a UNOLS Review Committee based on appropriate criteria.
- c. A National Cooperative Facility may so be designated
 - (1) with the concurrence of the owner and operator, and
 - (2) upon reasonable assurance of support, and
 - (3) after review by the Advisory Council, and
 - (4) on approval by UNOLS
- d. National Cooperative Facilities may be multi-or special purpose facilities and may be designated for the entire annual operating period or any portion thereof.
- e. There shall be a single UNOLS Review Committee for all National Cooperative Facilities but it shall have broad flexibility in considering specific facilities including the advice of outside expert consultants.
- f. In its consideration, the Review Committee shall act primarily on the scientific merit of the proposed research and its compatibility with the individual facility.

Based on the foregoing points a Draft Annex to the UNOLS Charter was prepared. This is appended as Attachment . It was agreed that the establishment of National Cooperative Facilities would be proposed to the next meeting of UNOLS along with and according to the terms of the Draft Annex.

8. Having thus formulated a framework for National Cooperative Facilities, the Advisory Council again considered the recommendations of the Working Groups. It was agreed that:

- a. That the Research Vessels EASTWARD and ALPHA HELIX be recommended as UNOLS National Cooperative Facilities contingent upon full compliance with the aforementioned criteria (i. e. 7. C. 1-4)
- b. That the submersible ALVIN or a significant fraction of the annual operating time thereof be recommended as a UNOLS National Cooperative Facility contingent on compliance with the aforementioned criteria. By significant fraction it is meant about 40%, but the final figure to be determined in negotiations with the operating institution based upon the best estimate of institutional vis-a-vis cooperative research needs.
- c. That recommendations regarding a review committee are adequately addressed in the Draft Annex.

9. The background of the bathythermograph facility question was summarized by the Executive Secretary. It was reported that Navy funding of long standing for BT facilities at Scripps and Woods Hole was being terminated as there being no further Navy requirement, and if NSF funding was to support their continuance beyond this year's current "rescue" funding it must be on the recommendation of the UNOLS Advisory Council. It was reported that the formation of a working group as suggested by the December 6th, 1971 meeting proved not feasible, there being no persons competent, willing or able to take on the task. Therefore a questionnaire was sent to forty selected laboratories in order to gain a profile of information and comments. Most respondents saw little if any need for instrument services but shared a general feeling that the data work at existing institutions, principally Scripps and Woods Hole should continue. Proposals by Scripps and Woods Hole for the continuance of their support were available and reviewed; Scripps being about \$90,000 per year including the estimated several year reduction of a national BT backlog and W.H.O.I. being about \$25,000 being principally BT services and data accession. Professor Stommel discussed the value uses and need for such data in research. Professor Ragotzkie established the importance of BT data to meteorological research and suggested that the meteorological community be apprised of this problem. Dr. Maxwell pointed out that BT data is only a part of the entire data picture which itself is an emerging problem. Miss Jhrde submitted that institutional data banks should be considered as a part of the institution itself much the same as a library or shop and supported

from overhead or other basic funding. This was supported by Dr. Ostenso and others in general. Professor Wooster stated that W.H.O.I. and Scripps BT and other data records were unique and as presently held constitute a national resource. He proposed that the two institutions be funded essentially at the levels requested for a three year period during which time the institutions should plan for and implement a coordinated method of incorporating BT data as well as other data into basic institution services. This proposal was agreed to along with the earlier suggestion of Professor Ragotzkie.

10. On the subject of Aircraft as specialized facilities, no specific recommendations were ready for consideration. It was reported that NSF is partially funding the Scripps DC-3 for the current year as a national facility pro tem and that Scripps is keeping the UNOLS office advised of its cooperative use. Professor Ragotzkie, having earlier agreed to lead the Advisory Council study in this area was authorized to form a Working Group to fully develop the levels of need and use of aircraft.
11. The Executive Secretary reported on the "pilot" inventory of research boats. Questionnaires were sent to twenty-seven academic laboratories from Delaware to Connecticut including Bermuda but it is still too early to give any definitive results. Of interest however is that early return showed that most boats were, in some way, funded by the Federal Government. It was agreed that the first (annual) report of the Advisory Council should report on boats at least in a preliminary way to include lists and concepts of how they serve. In the latter case Dr. Menzel agreed to develop such a concept.

12. Tabular information on operations and costs of the eight ships selected for pilot criteria on effective utilization was reviewed and discussed. It was agreed that the next step is to approach the operating institutions and obtain such information as lists of papers, representative years, self-evaluations and other accomplishments. NSF and ONR are to be contacted also.

13. The Executive Secretary reported on information from UNOLS members regarding 1973 ship scheduling procedures. Copies of procedures and forms received from members were reviewed. It was noted that the advent of UNOLS was visibly apparent in the material being promulgated by member institutions.

Dr. Maxwell discussed an evolving situation which resulted in definite constraints to institutional ship scheduling. This was a whole new block of of inter-institutional "big science" arrangements such as GEOSECS, MODE, GARP, etc. through which funding is filtered and often controlled, and as far as ship scheduling was concerned had the result of long range ship commitments of large blocks of time.

Dr. Maxwell announced that the 1972 annual UNOLS ship schedule coordination meeting would be held during the May 3-5 period at Texas A & M following the Offshore Technology Conference.

14. The Advisory Council discussed the reports it will be making. It was agreed that a report will be made to UNOLS at its May 3rd meeting which will include all action and recommendations to date. Certain recommendations such as the Draft Annex to the Charter must be transmitted to the UNOLS Chairman in time to allow the 30 day notification. The report to the federal funding agency (via UNOLS), while including much of the May 3rd material, must further include material developed at the May UNOLS and Advisory Council meetings, and will be planned for July 1st.
15. The proposed Navy plan for monitoring ship operations had been earlier circulated to members and was the subject of discussion. There was strong sympathy by the members for the Navy's need to know of research vessels operating in potentially sensitive areas, however opposition was voiced to any mechanism which might be construed as military clearance especially at a time when the U.S. is supporting the concept of freedom of ocean research. It was suggested that UNOLS offer its services whereby the UNOLS office would make its information on ship schedules routinely available to the Navy (which would be done anyway). It was agreed that the Executive Secretary would transmit this suggestion to the Office of the Oceanographer of the Navy.

16. The proposal by the University of Delaware for development of a regional coastal zone research facility concept had been included on the Agenda and was noted although there was general agreement that it is not the Advisory's Council usual role to receive and review specific proposals. However, this action impinged on the more general issue of coastal zone regional-cooperative facilities which was identified at the November 1971 UNOLS meeting for emphasis and early attention. Dr. Menzel suggested that consideration of this proposal serve to implement a Working Group which would study the needs alternatives and possible arrangements, and formulate recommendations. This was agreed to with Dr. Menzel serving on the Group and invitations to be extended to Dean Gaither of Delaware and others known to have an interest and competency in this field.
17. Under the agenda item of "other business" there was introduced a telegram received from Dr. Craig, Spencer and Gary of the Executive Committee of the Geological Ocean Sections study setting forth the need for a capable and specialized research vessel as a national facility dedicated to large scale studies of oceanic circulation. It was decided that this would not be treated as another specialized facility but within the context of planning for future requirements of the university research fleet for which a first report (according to December 1971 schedule) is due prior to July 1973.

18. Professor Wooster proposed that the Chairman and Executive Secretary be delegated the authority to report the actions of this meeting to UNOLS and to other addressees as appropriate. This was agreed upon.

19. Having agreed that the next meeting of the Advisory Council meeting would be in conjunction with the annual UNOLS meeting during the period 3-5 May 1972, the meeting was adjourned at 2:00 p.m., January 28, 1972.

Submitted,



R.P. Dinsmore
Executive Secretary, UNOLS

UNIVERSITY NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

Advisory Council -- Meeting -- January 27-28 1972

DRAFT AGENDA

1. Adoption of Agenda

This draft agenda was developed by the UNOLS Office in conjunction with the chairman, based on information available on January 20, 1972.

2. Minutes of A/C Meeting December 6, 1971

Copies of the minutes of the last meeting have not yet been distributed but will be available prior to or at the meeting.

3. Report by Executive Secretary

The Executive Secretary will give a report of UNOLS activities since the last meeting and describe the various background material which has been distributed.

4. Report of the Working Group on Facility Utilization

The memo of December 20, 1971 advised of the request that the Advisory Council take under consideration, along with other specialized facilities identified for attention, the cases of EASTWARD and ALPHA HELIX as UNOLS cooperative facilities. It was decided that a working group should meet and formulate recommendations for further consideration. The Group met on January 11, 1972. A copy of the meeting report and recommendations are included with background material. The Advisory Council should review these and decide what further action should be taken.

5. Report of the Working Group for a University Submersible Facility

Action of the December 6th A/C meeting called for a working group to consider the need and use of submersibles as specialized UNOLS facilities in academic research. The working group met on January 19th and a copy of its report and recommendations is included. As in Agenda Item #4, the Advisory Council should decide what further action is now to be taken.

6. Establishment of National Cooperative Facilities

Both the Working Group on Facility Utilization and Submersibles recommended that certain facilities be designated "National Cooperative Facilities". See Agenda items 4 and 5. If these recommendations are accepted and are to be implemented there ought to be some framework against which it can be done. One method is by an Annex to the Charter which provides for "operative annexes" to be added by a two thirds vote of the members. Based on the recommendations of the working groups a draft annex has been prepared for consideration.

7. Bathythermograph Facilities

Along with certain other specialized facilities the December 6th meeting suggested that a working group be convened also to consider the need for University (cooperative) Bathythermograph Facilities. It has been particularly difficult to get a representative group together. Therefore, it was resorted to a questionnaire which has been widely distributed. Inputs are still being received and a partial evaluation will be available. The Advisory Council may wish to discuss this and give further guidance, but perhaps delay action to the next meeting when more information should be available.

8. Aircraft Facilities

As in submersibles and bathythermograph facilities the Advisory Council is undertaking to review the needs for aircraft as specialized facilities in university research. Dr. Ragotzkie has agreed to undertake this effort and may wish to discuss it. His anticipated completion date is late spring or early summer. In the meantime it is understood that NSF is funding the Scripps Aircraft on at least a partial basis for university research and Scripps is keeping the UNOLS Office informed of proposals for and utilization of the aircraft in this regard.

9. Research Boat Inventory

The December 6th meeting decided to obtain an inventory through a questionnaire on information on research vessels 65-ft and smaller using the northern mid-Atlantic area as a pilot area. The Advisory Council may wish to review information to date and provide further guidance in this effort. NSF has formed an in-house group to consider a policy for future support on vessels in this category. Future recommendations by UNOLS addressing this appear very much in order.

10. Development of Ship Operating Criteria - selected ship evaluation criteria

The December 6th meeting agreed on a list of eight ships for which detailed information will be assembled and from which initial pilot evaluation criteria will be formulated. Initial information has been assembled and is continuing. The Advisory Council may wish to review the information thus far and provide further guidelines for this important project.

11. Ship Scheduling

Operating Institutions are now into their first year of scheduling ships within the framework of UNOLS. (See Annex I of the Charter). The annual report by the Advisory Council must doubtless address this matter in some manner. The members may wish to review the information thus far collected by the UNOLS office and decide what is further needed and the procedures to be undertaken in order to assess ship scheduling in general.

12. Schedule of Reports Due

Based on its charter functions, particular requests by NSF, and other matters as identified, the Advisory Council should decide what reports it plans to prepare and the dates they are to be submitted.

13. Proposed Navy Plan for Reporting and Monitoring Research Ship Operations

This proposed plan which has been prepared at the Office of the Oceanographer of the Navy, poses requirements which may not be in complete accord with the views of UNOLS members. The plan is undergoing some spirited controversy at the Washington scene, but may be a fait accompli insofar as the Navy is concerned. Nevertheless the Advisory Council may wish to express an opinion on this matter on behalf of the entire UNOLS. Properly, this is an overall UNOLS matter but is brought before the Advisory Council as a matter of urgency.

14. UNOLS Proposal by the University of Delaware

Dean W.S. Gaither of the College of Marine Sciences at the University of Delaware has requested that this item be included on the Agenda of this meeting. It deals with a concept or proposal for a (mid-Atlantic) Regional UNOLS Facility. As of this date, this has not been received at the UNOLS Office but copies are to be furnished in time for the meeting. No commitment has been made that the Agenda item will be accepted, or that if accepted would be approved, reviewed or otherwise commented upon by the Advisory Council.

15. Other Business

16. Next Meeting

The annual, open meeting of UNOLS probably will be held in early May at which occasion the Advisory Council "attends" and presumedly meets. Any recommendations or proposals for the consideration of UNOLS regarding Agenda Items 4 - 7 probably can be accomplished at this meeting and by subsequent correspondence. Reports regarding Agenda items 8 - 11 may require another Advisory Council meeting beforehand.

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

25 February 1972

REPORT OF THE UNOLS ADVISORY COUNCIL MEETING

January 27-28, 1972

Pursuant to a regular meeting of the UNOLS Advisory Council at the Skidaway Institute of Oceanography, Savannah, Georgia, January 27-28, 1972, the Advisory Council:

1. Proposed an Annex to the UNOLS Charter establishing a category of university oceanographic facility termed "National Cooperative Facility". Such facilities may be multi-or special purpose facilities and may be designated for the entire annual operating period or any portion thereof -
 - . with the concurrence of the owner and operator, and
 - . upon reasonable assurance of support, and
 - . after review by the Advisory Council, and
 - . on approval by UNOLS.

Consideration of research programs for the scheduling of facility operation should be by a single review committee with appropriate flexibility including the use of outside consultants.

2. Recommended that, in accordance with the foregoing, the Research Vessels ALPHA HELIX and EASTWARD be designated as national cooperative vessels for their entire annual operating period; and that the Research Submersible ALVIN be designated as a national cooperative facility for a significant portion (approximately 40%) of its annual operating period.
3. Directed that an ad hoc Working Group be established to study and formulate recommendations for regional cooperative coastal zone research vessels including such matters as the needs, anticipated uses, regions, support and optimum design(s). A progress report is to be available in time for the next UNOLS meeting May 3-5, 1972 and a full report to be available by July 1972.

4. Recommended that university bathythermograph facilities not be designated as national cooperative facilities; but considered however, that the data and services of the existing facilities at Scripps Institution and Woods Hole Oceanographic Institution are national resources and that specific support should be continued for those facilities for about two years beyond the current year, and during which period bathythermograph data along with other data depositories should be integrated as a fundamental part of the institution. In the specific case of Scripps Institution, this support also is to accomplish the reduction of the current backlog of unprocessed bathythermograph data.
5. Agreed to report on the long range requirements for the U.S. academic research fleet be undertaken and that it include, iter alia, the requirements voiced by interinstitutional scientific planning groups. A first report shall be due by July 1973.
6. Recommended that the UNOLS office should be the appropriate mechanism for coordinating the routine operating schedules of university research vessels with the activity needs of the Departments of State and Navy.



R. P. Dinsmore
Executive Secretary, UNOLS



John V. Byrne
Chairman, UNOLS Advisory Council