

UNOLS ANNUAL MEETING
8:30 A.M., Friday 14 September 2001
National Science Foundation, Room 1235
4201 Wilson Boulevard Arlington, VA

Introduction and Welcome: Robert Knox, UNOLS Chair will call the meeting to order and will give a brief summary of the issues of current interest to UNOLS.

The 2001 UNOLS KEYNOTE ADDRESS will be provided by
Vice Admiral Conrad C. Lautenbacher

Vice Admiral Conrad C. Lautenbacher, Jr., U.S. Navy (Retired), President of the Consortium for Oceanographic Research and Education (CORE), will provide this year's keynote address. Vice Admiral Lautenbacher became CORE President in March of this year. The mission of CORE, an association of 63 U.S. oceanographic research institutions, universities, laboratories and aquaria, is "To promote, develop and support efforts to advance knowledge and learning in the science of oceanography and to disseminate such knowledge to the scientific community and to the public." CORE also serves as the Program Office for the National Oceanographic Partnership Program (NOPP).

Vice Admiral Lautenbacher came to CORE with an extensive military career that included positions of leadership, command, high-level staff assignments as well as operational experience. Before retiring from the Department of the Navy, he served as Deputy Chief of Naval Operations in charge of resource allocation and requirements development for the Navy. Vice Admiral Lautenbacher served as Commander of the U.S. Third Fleet and Director of the Office of Program Appraisal. As Director on the Joint Staff, he reported to the Chairman of the Joint Chief of Staff as principal strategic planning and resource allocation executive, making key recommendations affecting the size and composition of the U.S. Armed Forces. His background also included operational tours in the Vietnam conflict and Gulf War, as well as assignments as a systems analyst with both the Office of the Assistant Secretary of Defense (Systems Analysis) and the Chief of Naval Operations staff analyst with both the Office of the Assistant Secretary of Defense (Systems Analysis) and the Chief of Naval Operations Staff.

Vice Admiral Lautenbacher attended Harvard University receiving M.S. and Ph. D. degrees in Applied Mathematics. He was selected as a Navy Federal Executive Fellow and served at the Brookings Institute. He served as guest lecturer on numerous occasions at the Naval War College, the Army War College, the Air War College, The Fletcher School of Diplomacy, and the components of the National Defense University.

Accept Minutes of the 2000 Annual Meeting.

2000/2001 UNOLS Accomplishments

Robert Knox will give a summary of UNOLS accomplishments since last year's annual meeting.

Activities and Issues

COMMITTEE REPORTS – Robert Knox will introduce the UNOLS Committee Chairs who will report on their activities.

Research Vessel Operators' Committee (RVOC) – Steve Rabalais, Chair, will review the activities of RVOC for 2000-2001 and plans for the 23 - 25 October Annual RVOC meeting at the University of Rhode Island. This Meeting will be held jointly with RVTEC.

Research Vessel Technical Enhancement Committee (RVTEC) – Dale Chayes, Chair, will report on RVTEC activities in 2000/2001 and plans for the RVTEC Annual Meeting scheduled for 23-25 October at the University of Rhode Island.

DEep Submergence Science Committee (DESSC) – Patty Fryer, Chair, will report on the DESSC activities, 2000/2001 ATLANTIS/ALVIN/ROV operations, and equipment/instrumentation upgrades and improvements for the National Deep Submergence Facility. She will report on deep submergence operations planned for 2002 and beyond, committee outreach activities, and submergence technology workshop plans.

Fleet Improvement Committee (FIC) - Larry Atkinson, Chair, will report on the FIC activities in 2000/2001 and plans for the upcoming year. He will summarize FIC's efforts and plans to help to initiate the fleet renewal process.

Ship Scheduling Committee (SSC) – Joe Ustach, Chair, will review the recommendations of the September Ship Scheduling Review meeting. He will summarize the UNOLS ship operation plans for 2002.

Arctic Icebreaker Coordinating Committee (AICC) – Lisa Clough, Chair, will report on the activities of the AICC in 2000/2001 including the results of science systems testing for USCG Icebreaker HEALY. She will report on HEALY's initial science operations and will also review Polar Class Icebreaker Science of Opportunity and dedicated science operations planned for the future.

FEDERAL AGENCY and CORE REPORTS

Federal Agency Reports - Information from Federal Agencies (NSF, ONR including NRL, Oceanographer of the Navy including NAVO & CNMOC, NOAA, USCG, USGS, MMS, DOS and DOE) on 2001 activities and forecasts for 2002 and beyond.

Consortium for Oceanographic Research and Education – A report on CORE activities of interest to UNOLS will be provided.

12:00 - 1:00 PM Lunch Break 12:00 -1:00 PM

OTHER UNOLS ACTIVITIES:

Long Range Planning for the UNOLS Fleet - Reports by Bob Knox, Larry Atkinson, and agency representatives on the status of the draft long-range fleet plan and fleet renewal efforts.

Quality of Service Initiative – Mike Prince will report on the activities of UNOLS and the federal agencies to address UNOLS quality of service and improvement.

Science Mission Requirements for Next Generation Wire – Plans are underway to establish safe working loads for UNOLS wires and to establish science mission requirements for the next generation of wire. Mike Prince will report on these efforts.

Issues Before UNOLS: Various issues of interest to UNOLS Members have arisen during the year. The UNOLS Chair will introduce these issues for discussion:

- ISM – Status of Compliance
- Ocean Observatories and their Facility Needs
- Statement in favor of Future NAVO/UNOLS Work
- New Ship Design and Construction Efforts
 - KILO MOANA (AGOR 26)
 - SAVANNAH
 - CAPE HENLOPEN
 - Alaskan Vessel
- NOAA's Fishery Research Vessel Construction (<http://www.sao.noaa.gov/frv/>)
- UNOLS Standard Scientific Van Design (Matt Hawkins)
- Navy Transfer of ATV to SIO and University of Hawaii
- Seismic Capabilities in the UNOLS Fleet
- Long Coring
- SeaNet Update
- UNOLS Dues Accounting

UNOLS Members may wish to raise additional issues.

UNOLS Membership Votes

The following issues require a membership vote for approval:

UNOLS Charter Revision - Bob Knox will review proposed revisions to the UNOLS Charter. A membership vote is required for adoption of the proposed revisions. Enclosed is a copy of the proposed revised Charter and a description of the changes (enclosure 1).

UNOLS Membership Applications – Two institutions have applied for UNOLS membership. A vote to accept them as members is required:

- Caribbean Marine Research Center (CMRC) <http://www.cmrc.org>
- Romberg Tiburon Center for Environmental Studies – San Francisco State University <http://rtc.sfsu.edu>

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UNOLS Elections: Elections for the following UNOLS Council positions will be held (the slate of nominees is attached as enclosure 2):

- UNOLS Council Member, (3-year term) Non-Operator representative, from among designated UNOLS Non-Operator Institutions.
- UNOLS Council Member, (3-year term) At-large, affiliated with any Member Institution.

2001/2002 UNOLS Goals and Priorities

Robert Knox will present the 2001/2002 UNOLS Goals and Priorities as established by the UNOLS Council.

Other Business

UNOLS Appointments to Committees: The UNOLS Chair will announce new appointments to the Executive Committee, AICC, DESSC, FIC, RVOC, RVTEC, and SSC in accordance with the UNOLS Charter.

Announce meeting Calendar for 2002.

Adjournment

2001 Calendar for UNOLS Meetings

| Meeting | Location | Dates |
|-----------------|-------------------------|-----------------------------|
| AICC | NSF, Arlington, VA | September 10–11, 2001 (M-T) |
| Schedule Review | NSF, Arlington, VA | September 12, 2001 (Wed) |
| FIC | NSF, Arlington, VA | September 12, 2001 (Wed) |
| UNOLS Council | NSF, Arlington, VA | September 13, 2001 (Thurs) |
| UNOLS Annual | NSF, Arlington, VA | September 14, 2000 (Fri) |
| RVTEC | Narragansett, RI (URI) | October 23-25, 2001 (T-Th) |
| RVOC | Newport, RI (URI) | October 23-25, 2001 (T-Th) |
| DESSC | San Francisco, CA (AGU) | December 9, 2001 (Sun) |

2002 Calendar for UNOLS Meetings

| Meeting | Location | Dates |
|---------------------------|-------------------------|---------------------------|
| DESSC | Honolulu, HI (AGU/ASLO) | Feb 11-15, 2002 (one day) |
| AICC | ??? | Winter |
| Council | ??? | Winter |
| FIC | ??? | Winter |
| DESSC | WHOI, MA | June |
| Council | ??? | Late Spring/Summer |
| Ship Scheduling Committee | NSF, Arlington, VA | July |

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| | | |
|-----------------|-------------------------|-----------------------|
| AICC | ??? | Fall? |
| Schedule Review | NSF, Arlington, VA | September |
| FIC | NSF, Arlington, VA | September |
| UNOLS Council | NSF, Arlington, VA | September |
| UNOLS Annual | NSF, Arlington, VA | September |
| RVTEC | ??? | October |
| RVOC | MLML/MBARI, CA | October |
| DESSC | San Francisco, CA (AGU) | December 5, 2002 (Th) |

2002 Major Oceanographic Conferences and Federal Agency Meetings

| | | |
|-----------------------------------|--------------------|------------------------|
| ASLO/AGU - Ocean Sciences Meeting | Honolulu, HI | Feb 11-15, 2002 (M-F) |
| NSF OCE/Panels | NSF, Arlington, VA | Spring 2002 |
| AGU Spring Meeting | Washington, DC | 5/28-6/1/02 (Tu-S) |
| MTS - Oceans 2002 | Biloxi, MS | Oct 28-31, 2001 (M-TH) |
| NSF OCE/Panels | NSF, Arlington, VA | Fall 2002 |
| AGU Fall Meeting | San Francisco, CA | Dec 6-10, 2002 (F-Tu) |

Proposed Revisions to the UNOLS Charter

August, 2001

DESCRIPTION OF PROPOSED CHANGES

1. This Draft Revision to the UNOLS Charter contains recommended changes to accomplish the goal of creating a rotation from Vice Chair (Chair-Elect) to Chair to Immediate Past Chair (IPC) as discussed at the September and February Council Meetings. This is similar to systems used by other organizations such as AGU and it is hoped that it will enhance our ability to recruit good candidates for Vice Chair (Chair-Elect) and Chair in the future. The proposed plan is based on two-year terms as Vice Chair (Chair-Elect), Chair and IPC. There are three primary places where the text of the charter is modified to accomplish this goal: Section 4c & d and Section 5b. There are a few other places where (Chair-Elect) has been added after Vice Chair. Language regarding "Vice Chair" can be eliminated after an appropriate transition period.
2. The second recommended change to the Charter is to include a section that spells out the procedure used at last year's annual meeting to take care of run-off elections when no candidate receives a majority in a Council election. See new Section 5e

UNOLS CHARTER (Proposed Revision)

(Sections with proposed revisions are indicated by a sidebar in the left margin. Text additions are shown in **bold**. Deletions are indicated by ~~strikethrough~~ lines.)

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- II. National Oceanographic Facilities
- III. Research Vessel Operators' Committee (RVOC)
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- VI. Arctic Icebreaker Coordinating Committee (AICC)

1. INTRODUCTION

Recognizing the need for coordinated use of federally supported oceanographic facilities, the community of academic oceanographic institutions which use and operate those facilities, by

virtue of this Charter, do hereby establish an organization of academic oceanographic institutions. The organization shall be named the University-National Oceanographic Laboratory System (UNOLS). UNOLS is solely an advisory body.

Execution and enforcement of its recommendations are matters for member institutions and for agencies which fund the construction and operation of UNOLS facilities.

2. OBJECTIVES

An objective of UNOLS is to coordinate and review the access to and utilization of facilities for academic oceanographic research, and the current match of facilities to the needs of academic oceanographic programs. UNOLS makes appropriate recommendations of priorities for replacing, modifying or improving the numbers and mix of facilities for the community of users. Another objective is to foster federal and other support for academic oceanography, thereby continuing and enhancing the excellence of this nation's oceanographic program. Emphasis is placed on ships and other seagoing facilities.

3. MEMBERSHIP

a. Membership in UNOLS is open to those institutions which use, or operate and use, sea-going facilities and maintain an academic program in marine science. It is intended that UNOLS institutions make substantial contributions to the national oceanographic program. Both individual institutions and consortia of such institutions may be members of UNOLS for purposes of attending UNOLS meetings, receiving UNOLS information, and other non-voting UNOLS activities. However, on any matter requiring a vote of the UNOLS membership either the member consortium may cast a ballot or individual member institution(s) within the consortium may cast ballot(s), but not both. In the event that any consortium and one or more of its constituent institutions disagree as to the voting option to be exercised in any matter, only the ballots of individual institutions within that consortium will be accepted on that matter. The choice of individual or consortium voting may be exercised independently on each voting matter and by each consortium and its constituent institutions. In the remainder of this charter the word "institution" means "individual member institution or member consortium" except where otherwise noted.

Each UNOLS institution shall designate a representative with authority to speak and act for the institution in UNOLS matters. UNOLS representatives may authorize alternates.

Addition of members shall be by application to and majority action by the existing membership. Membership may be voluntarily terminated by any member on written notice to the Chair. In extraordinary instances, an institution's membership may be involuntarily terminated by two-thirds vote of UNOLS membership.

The UNOLS Council periodically will review the list of UNOLS Institutions. It will recommend to UNOLS additions, status changes, and terminations. Changes will be considered at a regular UNOLS meeting and require a vote of the UNOLS membership present or by proxy if absent.

b. All institutions, having satisfied the criteria for membership and having been selected, are designated as UNOLS institutions. Those UNOLS institutions that operate UNOLS vessels or National Oceanographic Facilities (Annex II) are, in addition, designated as Operator Institutions. UNOLS vessels and National Oceanographic Facilities are designated by the UNOLS Council. UNOLS vessels are those United States research vessels generally operated in support of national oceanographic research programs, by academic or other non-profit institutions and are significantly funded by the federal government. They are operated in accordance with UNOLS safety standards, subject to regular, recognized ship inspection programs, scheduled by established UNOLS procedures and meet cruise reporting, cruise assessment, cost accounting and performance standards according to UNOLS uniform practices. UNOLS vessels and National Oceanographic Facilities are regularly available to users outside of the operator institution provided that funding is available from the sponsor of the research or from the user. The list of designated UNOLS vessels will be reviewed regularly for additions or deletions by the UNOLS Council.

4. ORGANIZATION

a. The UNOLS organization shall include an elected Chair and Vice Chair (**Chair-Elect**), a UNOLS Council, an Executive Committee drawn from the Council, Committees for ship scheduling, fleet improvement, research vessel operations, and other committees as required and established by the UNOLS Council and the UNOLS Office.

b. The Chair represents UNOLS throughout the oceanographic community, calls and presides over UNOLS meetings, chairs the UNOLS Council and Executive Committee, in consultation with the UNOLS Council, appoints other committees and provides direction and oversight to the Executive Secretary and the UNOLS Office.

c. The Vice Chair (**Chair-Elect**) supports the Chair in representing UNOLS throughout the oceanographic community and acts, in the Chair's absence, in calling and presiding over meetings, in the UNOLS Council and with regard to UNOLS appointments, direction and oversight. **Beginning with the regular election of 2002 the title of this position will become Chair-Elect and the duties of the office will include preparing to assume the office of Chair under the transition schedule set forth in section 5b.**

d. The office of Immediate Past Chair is established beginning with the regular election of 2002, to be occupied by the previous Chair under the schedule set forth in section 5b. The post of Immediate Past Chair is intended to bring the experience of that individual to bear on UNOLS issues. The Immediate Past Chair participates in UNOLS activities and meetings with the same rights and responsibilities as a regular Council member.

de. The UNOLS Council represents and acts on behalf of the UNOLS membership as the operating and governing body of UNOLS. It monitors UNOLS activities, giving attention to the effective use of available oceanographic facilities and determining the performance of UNOLS Institutions in providing access to federally supported facilities for scientists from other institutions. It evaluates the need for replacement and additional facilities and assesses whether facilities are outmoded or in excess of current needs. It considers and makes recommendations to funding agencies of the needs for specialized facilities or new concepts in facilities and the

balance between facilities and funded research programs. It accepts charges from funding agencies for special studies and reviews, and will make recommendations based on its findings. It assists funding agencies in efforts to obtain adequate and uniform financial data and post-cruise reporting of ship operations. It counsels in the formation of and appointments to UNOLS committees, and provides oversight to them. The UNOLS Council shall report fully and faithfully to the UNOLS membership and to sponsoring agencies on its actions, activities and plans. Reports shall include an annual summary report delivered at the annual UNOLS meeting, reports of Council meetings and special reports on important actions or activities.

The UNOLS Council consists of ~~nine~~ **ten** elected members, including the UNOLS Chair, Vice Chair (**Chair-Elect**) and **Immediate Past Chair**. The chairs of the Ship Scheduling Committee, the Fleet Improvement Committee, the DEep Submergence Science Committee, the Research Vessel Operators' Committee, the Research Vessel Technical Enhancement Committee, the Arctic Icebreaker Coordinating Committee (Annexes I-VI) and of other standing Committees serve, ex-officio, as fully participating members of the Council. No more than one elected member of the UNOLS Council shall serve from any one institution. If, during an elected member's term, that individual's status changes so that the eligibility criteria are no longer satisfied, that individual will lose membership on the Council. If any elected member of the UNOLS Council misses three consecutive meetings, that individual will lose membership on the Council.

A quorum for the UNOLS Council requires one more than half of all Council members and must include at least five elected members. Council decisions are reached by majority vote of members voting, provided a quorum is represented.

If a majority of the Executive Committee agrees that a matter requires a discussion and vote by the Council but sooner than the next scheduled meeting, a discussion of the matter by correspondence (e.g., electronic mail) may be held, and the vote taken according to the same voting rules as for regular votes. Ballots may be submitted by correspondence, fax or email to the UNOLS Office, where the count shall be compiled by the Executive Secretary and reported to the Council.

ef. Unexpired terms. If a council member fails to complete his/her term for any reason, a replacement member meeting the same eligibility requirements shall be appointed by the Chair, subject to approval by a majority vote of the Council, with a quorum participating. This vote may be conducted by correspondence unless a scheduled Council meeting is to take place within one month of the vacancy arising, in which case the vote shall be conducted at that meeting. Should the unexpired term be that of the Chair, the Vice Chair (**Chair-Elect**) shall become Chair for the remainder of the Chair's term and shall then appoint a new Vice Chair (**Chair-Elect**) under the foregoing procedure. Persons filling an unexpired term shall not have the duration of the unexpired term counted toward any term limits specified elsewhere in this charter.

fg. The UNOLS Executive Committee serves for UNOLS and the UNOLS Council in those matters requiring quick response. Actions or activities by the Executive Committee shall be with the same authority as those of the UNOLS Council, but the Executive

Committee will, as a matter of course, report fully to and seek the concurrence of the Council on their actions and activities.

| The Executive Committee consists of the UNOLS Chair, Vice Chair (**Chair-Elect**) and two additional individuals selected by the Council from among their elected or ex-officio members.

| **g**h. Committees are established for such special purposes as decided by UNOLS and the UNOLS Council. These Committees address issues as set out in their terms of reference. Their recommendations to funding agencies shall be delivered through the UNOLS Council or Executive Committee. All such committees are UNOLS committees. Permanent or standing committees shall be established by vote of UNOLS members, then formed by the UNOLS Chair in consultation with the UNOLS Council. Special purpose or temporary committees may be established and formed by the UNOLS Chair and Council on their own authority. Committees function under terms of reference adopted by the Council. Committee chairs and members are appointed by the UNOLS Chair with approval of the Council, unless otherwise specified in a Committee's terms of reference. Terms of reference for permanent or standing Committees are adopted as annexes to the Charter.

UNOLS Committees shall remain in effect for no longer than three years, after which time they shall be dissolved unless they are reaffirmed by the UNOLS Council. The Council shall review all Committee's terms of reference and activities as a basis for affirmation, change or dissolution.

| **h**i. A UNOLS Office shall be established for the purposes of providing staff support and secretariat services to UNOLS, the UNOLS Chair, Council, Executive Committee and other Committees as directed. The Office will serve as a focal point for UNOLS correspondence and for central files on facilities, schedules, user requirements and related information. The Office will advertise, arrange, support and report on UNOLS, Council and Committee meetings. It will arrange and manage contracts for blanket services to the UNOLS fleet and UNOLS institutions under guidance from the Chair and Council, and at the behest of sponsoring agencies.

The UNOLS Office will normally be established at a UNOLS operator institution. It is expected that the UNOLS Office will rotate among these institutions. The UNOLS Chair, with the UNOLS Council, will review UNOLS Office performance and activities on about three-year intervals (or at intervals controlled by the duration of funding grants). The Office may, if so suggested by review, be moved after three, six or nine years, and it would remain at a single institution for a period longer than nine years only under extraordinary circumstances.

The UNOLS Office will be headed by the Executive Secretary, an employee of the institution hosting the UNOLS Office. The Executive Secretary, while administratively an employee of the host institution, will act under direction from the UNOLS Chair and Council. If it is necessary to select or replace the Executive Secretary, open competition for a host institution will be held concurrently. The Executive Secretary is responsible for all UNOLS Office functions and other UNOLS duties as directed by the UNOLS Chair and Council.

Selection of an institution to host the UNOLS Office and of Executive Secretary will be by open, competitive process. These selections ordinarily will be made concurrently. The UNOLS Chair will invite all UNOLS operator institutions to submit letter proposals identifying their candidate for Executive Secretary and advancing their capabilities for hosting the Office. The Chair, with

advice from the UNOLS Council, will appoint an Evaluation Committee, organized with due regard for UNOLS institutions' interests, for the purpose of recommending the best proposals for host institution and executive secretary. The recommendation from the Evaluation Committee, with the review and consent first of the Council and then of the UNOLS membership, will be transmitted to the agency administering the UNOLS Office grant. It will then be necessary for the institution recommended as UNOLS Office host to submit a grant proposal to the administering agency. Contractual obligations between the UNOLS institution hosting the UNOLS Office and the funding agencies will be the responsibility of those organizations.

Costs of operating the UNOLS Office will be federally funded and should be prorated among the funding agencies in accordance with their participation in contract and grant programs with the institutions, or by such other arrangements as may be agreed to.

5. PROCEDURES

a. Voting. Election of UNOLS Officers and UNOLS Council members will be on the basis of one vote for each UNOLS institution represented. On issues coming before the membership for vote, each UNOLS institution will also exercise one vote. Except as otherwise specified (e.g., for involuntary termination of membership), matters voted on will be decided by a simple majority of UNOLS institutions casting votes in person or by proxy. Voting by the membership will ordinarily take place at UNOLS meetings. Two-thirds of the UNOLS operator institutions must be represented to establish a quorum. Because of the option for consortia or their member institutions to vote as in section 3a., the number that constitutes a quorum may be different for different votes. In extraordinary circumstances, matters may be submitted for vote by the membership at times other than UNOLS meetings. These matters will be submitted by mail or electronic mail, and will be governed by the same rules for decision and quorum as apply at meetings.

b. The UNOLS Chair and Vice Chair (**Chair-Elect**) shall be elected from among candidates affiliated with any UNOLS member institution. Election will be for a two-year term, and individuals are eligible for not more than two consecutive terms. **The previous clause shall govern elections of Chair and Vice Chair prior to the regular election of 2002. At the election of 2002 the Chair and Chair-Elect shall be elected by procedures in effect prior to that time, but in each case for a single term of two years. The outgoing Chair shall assume the new office of Immediate Past Chair, also for a single term of two years. At this time, the duties of Vice Chair will be assigned to the Chair-Elect and will expand to include preparation to assume the office of Chair. At the election of 2004 and every two years thereafter a new Chair-Elect shall be elected, the outgoing Chair-Elect shall become Chair, and the outgoing Chair become Immediate Past Chair.**

c. Members of the UNOLS Council will be elected for three-year terms, staggered so that two or three terms begin each year. Individuals may serve not more than two consecutive terms. Two members will be elected from among designated representatives of UNOLS operator institutions, two from designated representatives of UNOLS institutions other than operators, and three will be elected from among candidates affiliated with any UNOLS institution.

d. A slate of candidates will be prepared for distribution at least 30 days in advance of elections consisting of at least two candidates for each position being considered. This slate of candidates

will be formed by a Nominating Committee, appointed and announced by the UNOLS Chair. The Nominating Committee members will consist of three members, one from a UNOLS operator institution, one from an institution other than an operator and one from any UNOLS institution.

The Nominating Committee will issue a call for nominations enumerating the positions to be filled and summarizing the qualifications required for each position. Nominations for the slate may be submitted by anyone affiliated with a UNOLS institution, in writing, to the UNOLS Office or the Nominating Committee. In forming the slate, the Nominating Committee shall give due consideration to the qualifications required for each position, as having different kinds of facilities. Individuals should be chosen to achieve a balance among scientific user disciplines. The Nominating Committee shall also choose individuals who have experience in research at sea, and they will seek to maintain an even representation of scientific user disciplines on the Council. Nominations of additional candidates may also be made from the floor during meetings. Such nominations may be made only by designated representatives of UNOLS institutions, and must be accompanied by the nominee's concurrence and qualifications.

e. Ballots for each office on a slate shall be marked by voters in priority order with 1 for first choice, 2 for second choice, etc. If an individual is shown in #1 position on a majority of votes cast, that person is elected. If no individual gains such a majority, the name(s) with the smallest number of #1 marks is eliminated, ballots showing that name in #1 position are renumbered with #2 shifted to #1, #3 to #2, etc., and the entire set of ballots is then recounted. This renumbering and recount process shall be repeated as often as necessary to determine that an individual appears in #1 position on a majority of votes cast. At any iteration of this process, any ballots from which all names have been dropped shall be set aside and not counted as votes cast for purposes of determining the majority. A tie shall be broken by toss of a fair coin. The Chair shall designate two persons in attendance at the meeting, neither of them a candidate for any office at that election, one to toss the coin and the other to call it in the air.

ef. Meetings. The UNOLS Chair will convene an annual meeting of UNOLS institutions. The Chair will form and distribute 30 days in advance an agenda to include annual reports of UNOLS Council and Committee activities and other issues and matters of importance to UNOLS.

The UNOLS Council will meet in conjunction with each UNOLS meeting and at least one other time annually.

Other UNOLS Committees will meet as specified in their terms of reference or as necessary to conduct their business within the limitations of available funding.

Notwithstanding any statements specifying numbers and types of meetings in this article of the charter or in other articles or annexes thereof, the UNOLS Council, under its regular voting procedure, may authorize the Executive Secretary to fund a larger or smaller number or extent of meetings of the Council or of any UNOLS Committee in any given operating year in order to operate within available funds, to respond to support of specific meetings by one or more funding agencies, or to accommodate other such fiscal constraints or opportunities. If in any given year the Executive Secretary finds that the set of meetings enumerated in the charter and its annexes will require more support than is likely to be available, the Secretary shall alert the

Council to this situation and recommend appropriate cost reductions or supplemental funding efforts for Council consideration and approval.

Notification of UNOLS, Council and Committee meetings will be given broad, advance distribution sufficient to assure open response and participation.

fg. Reports shall be made of the proceedings of all UNOLS, Council and Committee meetings and shall be distributed to UNOLS institutions, Council and Committee participants and funding agencies.

6. AUTHORITY AND POWERS

Recommendations and decisions by UNOLS or any sub-organization thereof are not binding on any member or interested participant thereof. No legal, fiscal or contractual authority is intended, granted or implied under the terms of this Charter.

7. IMPLEMENTATION, AMENDMENTS AND TERMINATION

a. This Charter may be amended, or operative annexes added or deleted, by a vote of two-thirds of UNOLS Institutions voting on the matter provided that a quorum as defined in 5a is present or, in case of mail or e-mail votes, submits votes by those methods. The voting matter shall have been submitted to the membership at least thirty days prior to the vote.

b. This Charter shall remain in effect for a period of three years after which time it shall be dissolved unless modified or readopted by vote of the UNOLS Institutions.

Originally adopted: Sep 22, 1971, Palisades, NY

Amended: Jul 13, 1973, by mailed ballot

Amended and readopted: May 17, 1974, Washington, DC

Amended: May 26, 1976, Washington, DC

Amended and readopted: May 13, 1977, Washington, DC

Amended: May 18, 1979, Washington, DC

Amended: May 29, 1981, Washington, DC

Readopted: Oct 21, 1981, Washington, DC

Amended: Oct 26, 1983, Washington, DC

Amended and readopted: May 25, 1984, Washington, DC

Amended: Oct 23, 1985, Washington, DC

Amended and readopted: Oct 23, 1987, Washington, DC

Revised and adopted: Oct 28, 1988, Washington, DC

Readopted: Sep 15, 1989, Washington, DC

Readopted: Sep 17, 1992, Washington, DC

Readopted: Sep 14, 1995, Arlington, VA

Revised and adopted: Feb 8, 1999, Narragansett, RI

Amended and readopted Sep 21, 1999, Arlington, VA

Revised and adopted: Sep 22, 2000, Arlington, VA

Elections to be Held for UNOLS Council Positions

Elections will be held at the UNOLS Annual Meeting on 14 September to fill expiring Council terms. UNOLS Nominating Committee members Denis Wiesenburg (Chair), Dennis Hansell, and Curtis Collins have assembled a slate of candidates for the UNOLS Council positions to be filled. This election will be held in accordance with the UNOLS Charter as readopted September 2000. The slate is included below. Additional information about each of the candidates can be found on the UNOLS Website at: <<http://www.unols.org/annual/anumt109/slate01.htm>>.

UNOLS COUNCIL SLATE- 2001

NON-OPERATOR REPRESENTATIVE (3 year term) - from among designated UNOLS Member Non-Operator institutions:

| | |
|-------------------|-----------------------------------|
| Dr. Greg Cutter | Old Dominion University |
| Dr. Charles Flagg | Brookhaven National Laboratory |
| Dr. J. Val Klump | University of Wisconsin-Milwaukee |

AT-LARGE (3 year term) - individual affiliated with any UNOLS Member Institution:

| | |
|--------------------|--------------------------------------|
| Dr. Bruce Corliss | Duke University |
| Dr. Daniel Fornari | Woods Hole Oceanographic Institution |
| Dr. Dana Kester | University of Rhode Island |

VITAE

Dr. Bruce H. Corliss (Duke University), Geological Oceanography

- Professor of Earth and Ocean Sciences, Duke University
- Director, Duke/UNC Oceanographic Consortium (CAPE HATTERAS)
- Ph.D., Geological Oceanography, 1978, Graduate School of Oceanography, University of Rhode Island
- Research interests include ecology and geochemistry of deep-sea benthic foraminifera, Cenozoic paleoceanography, deep-sea benthic ecology
- Current research programs are development of climatic proxies for coastal and deep-sea environments, and high-resolution climatic records from fjord sediments
- Participant on nineteen oceanographic research cruises on UNOLS vessels (TRIDENT, ATLANTIS II, KNORR, MOANA WAVE, CAPE HATTERAS)

Dr. Greg Cutter (Old Dominion University), Chemical Oceanography/Biogeochemistry

- Professor of Oceanography, Old Dominion University
- Ph.D., Chemistry, 1982, University of California, Santa Cruz.
- Interdisciplinary research programs include: trace element biogeochemistry (water and sediments), the air-sea exchange of gases and particles, the global sulfur cycle, and paleoceanography of the western Arctic Ocean
- Participated on more than 30 research cruises since 1976 to the Black Sea, North and South Atlantic, and North and South Pacific (as well as to various bays, lakes, and rivers on foreign and U.S. vessels, including seven different UNOLS ships, and he has been chief scientist on the CAPE HATTERAS, ENDEAVOR, and KNORR.
- When he's not on a UNOLS ship, you can find him racing or cruising his C&C 30-2 sailboat on the Chesapeake Bay and mid-Atlantic coastal waters.

Dr. Charles N. Flagg (Brookhaven National Laboratory), Physical Oceanography

- Scientist, Physical Oceanographer; Brookhaven National Laboratory, Earth System Sciences Division, Environmental Science Department
- Ph.D., Physical Oceanography, 1977, Massachusetts Institute of Technology/Woods Hole Oceanographic Institution
- UNOLS Council member since 1998
- Research interests include: The dynamics and kinematics of currents on continental shelves and slopes, and the cross-shelf exchange of water and material; the formation and dynamics of shelf-edge fronts; bio-physical interactions on the shelf and in the open ocean; the investigation of meso-scale and seasonal current variability and its relation with the biological fields on Georges Bank and the northern Arabian Sea; and the development of acoustic Doppler current profiler methods for VOS operations.
- Conducted physical oceanographic investigations on both coasts of the U.S., in the coastal waters of Alaska, Australia, East Africa, the Arabian Sea, and South America during which hydrographic, current, acoustic and meteorological data were collected and analyzed.

Dr. Daniel J. Fornari (Woods Hole Oceanographic Institution), Marine Geology

- Senior Scientist, Woods Hole Oceanographic Institution
- Ph.D., Marine Geology, 1978, Columbia University
- UNOLS DEep Submergence Science Committee (DESSC) member, 1992-1996; ex-officio DESSC member, 1997-present.
- Research interests include marine geology & geophysics; microtopography and structure of submarine volcanoes and sedimentary terrains in submarine canyons; ocean floor tectonics, evolution of morphology and structure of mid-ocean ridges and transform faults.
- Participated on seven research cruises since 1996 (six using ALVIN).
- Trains undergraduate students as part of the WHOI Summer Fellowship Program during summers and has been involved in K-12 curriculum enhancement through talks given at local schools and through establishment of the Dive and Discover website.

Dr. Dana Kester (University of Rhode Island), Chemical Oceanography

- Professor of Oceanography, University of Rhode Island
- Ph.D., Oceanography, 1969, Oregon State University
- Dana Kester's research interests include physical chemistry of seawater, marine analytical chemistry, oceanic chemical distributions, marine environmental quality, photochemistry and redox reactions in surface waters, oceanic processes related to global change, chemical variability in coastal waters, and the integration of in situ measurement methods with satellite remote sensing.
- IPA Assignment with NOAA, 1990-1992.
- 407 days spent at sea on UNOLS (TRIDENT, ENDEAVOR, ATLANTIS II, KNORR, WECOMA, OCEANUS), NOAA, Navy, and foreign vessels since the 1970s.

Dr. J. Val Klump (Univ. of Wisconsin-Milwaukee), Biogeochemist

- Senior Scientist and Adjunct Professor, University of Wisconsin-Milwaukee
- Ph.D., Marine Science, 1980, University of North Carolina
- Participated in more than 400 days at sea in the Atlantic and, primarily, on the LAURENTIAN in the Great Lakes, including ROV and manned submersible operations.
- Research interests include carbon and nitrogen biogeochemistry, radionuclide tracer studies, sublacustrine hydrothermal systems, and sediment-water interactions.
- Current participant and management team member, NSF CoOP study on Episodic Events Great Lakes Experiment (EEGLE)