

UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

RESEARCH VESSEL OPERATORS' COUNCIL

Report of the
1978 ANNUAL MEETING

October 2, 1978

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OCTOBER 1978



RESEARCH VESSEL OPERATORS' COUNCIL

AGENDA

1978 Annual Meeting, Black Lion Room, QUEEN MARY
Longbeach, California, 0900, October 2-3

- o Accept Report of the 1977 Annual Meeting
- o Election or Re-Election of Chairman & Secretary
 - The By-Laws require this be done every two years.*
- o Report of the Steering Committee
- o Establish a Working Committee(s) to Update the Research Vessel Safety Standards
 - Certain chapters require re-working in light of new regulations.*
- o To Act on Application for RVOC Membership from Marine Environmental Sciences Consortium at Dauphin, Island, Alabama
 - See enclosed application.*
- o Discussion on the Topic: Minimum Oceanographic Equipment Standards for Academic Research Vessels
 - The Advisory Council is studying equipment problems with a view to developing recommendations. See enclosed memo.*
- o The AGOR Manning Situation: Is Automation the Answer?
 - Operators of AGORS should review charter party agreements and come prepared to discuss the manning situation. Background material is enclosed.*
- o Other

UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

RESEARCH VESSEL OPERATORS' COUNCIL

Summary Report
of the
1978 ANNUAL MEETING

General: Chairman J. Leiby brought the meeting to order at 0915, extending a welcome to those present at the RVOC Annual Meeting. The Agenda was adopted, but items were rearranged and treated here more or less in the order discussed. For a list of attendees with telephone numbers see Appendix I.

1. 1977 Annual Meeting Report. This was made available at the meeting and was accepted by a voice vote.

2. Introductions. Mr. R. Jackson of Holmes & Narver introduced Capt. N. Deniston and Mr. R. Murphy who later gave a short presentation on their Antarctic operation of HERO for NSF. P. Branson introduced his new assistant, Dan Toporoski. B. Veek introduced Don Newman, Manager of the Marine Support Facility at U.S.C. Cdr. J. Dropp, NOAA liaison to Office of the Oceanographer of Navy, introduced his replacement, Cdr. J. Wright, as well as giving a rundown on recent changes and movements within the Dept. of Navy. J. Leiby also extended welcomes to Wadsworth Owen, Director of Marine Operations, University of Delaware, and Fred Rees, Manager of Facilities, Dauphin Island, University of Alabama.

3. AGOR Manning. Lengthy discussion developed on this item. Representatives of various institutions stated their perception of manning problems, particularly regarding licensed personnel for

AGOR vessels owned by Navy but operated under charter party agreements. Discussion by attendees was colored by their experience with their local Officer in Charge of Marine Inspection (OCMI). There was a differing perception of U.S.C.G. licensing regulations: could foreign nationals passing the exam be employed; would maritime unions object to their employment.

It appears there are four avenues open regarding this problem: 1) engine room automation, 2) pure public vessel status, 3) meet the current industry benefit and wage standards, 4) obtain USCG waivers regarding manning. R. Edwards proposed no avenue be pursued at present but all be studied.

ACTION: A committee was established consisting of J. Gibbons, Chairman, P. Branson, R. Edwards, R. Gerard, R. Redmond, and B. Watkins to study the question. They are empowered to call on others as deemed necessary, and were charged with reporting to the Advisory Council by its January meeting.

4. Naval Reorganization. Cdr. Dropp gave a brief rundown on reorganization within Navy Dept. His replacement, Cdr. J. Wright (see Appendix I for address), is now the recipient for UNOLS' foreign cruise prospectes and notifications regarding seismic activities. He would also like to be appraised of intent to tow any gear in excess of 60 feet of depth.

5. NSF Funding Forecast. Tom Forhan of Miss Johrde's office presented the following funding outlook.

OFS Budget for FY 1979 \$M

Ships	\$16.8M
ALVIN	1.0
Technicians	1.3
Other, incl. UNOLS	<u>.2</u>
Total	\$19.3M
Equipment	1.1-1.2
Construction	<u>3.0</u>
Total	\$23.4M

NOTES

Above figures are subject to reduction by the withholding of funds for the Director's reserve.

FY 1978

Total ship costs were \$23.2M of which NSF contributed \$16.128M.

FY 1979

Total ship operation requests to all agencies	\$26.4M
Total ship operation requests to NSF	<u>20.8</u>
Total ship operation requests - other	5.6
Total available from NSF	16.8
Total available from outside NSF	<u>5.9</u>
Total available	\$22.7M

Therefore, 26.4 less 22.7 equals 3.75 shortfall which is approximately equivalent to laying up two major vessels.

6. Marine Environmental Sciences Consortium. The Consortium is composed of a number of four-year accredited Alabama universities and colleges and is based at Dauphin Island, Alabama. An application for RVOC membership (see Appendix II) had been circulated prior to the

meeting. Mr. Fred Rees, Manager of Facilities, gave a short resume of their program. By voice vote the Consortium was accorded membership.

7. Steering Committee Report. A brief meeting of this *ad hoc* committee, formed at last year's RVOC annual meeting, was held October 1, 1978, in the Black Lion Room, aboard the QUEEN MARY from 1930 to 2100 to review the next day's agenda. Those present were: J. Leiby, J. Gibbons, C. Tetzloff, T. Treadwell, and T. Stetson and L. Clark from the UNOLS Office. Discussion involved such topics as frequency of meetings, elections, RVOC's purpose, etc., but no action was recommended.

8. Elections. Nominations for RVOC chairman were called for and D. Letzring, R. Gerard, and R. Redmond were proposed. The latter declined. In a narrow race D. Letzring won, on written ballots, the two-year term. J. Gibbons agreed to stay on one more year as secretary.

J. Leiby agreed to act as chairman of the *ad hoc* Steering Committee. However, that name was voted changed to "Executive Committee". The Bylaws (Appendix V) refer to such a committee; however, elections were not held as set forth in the Bylaws. The members of the *ad hoc* Steering Committee were: P. Branson, R. Edwards, R. Gerard, C. Tetzloff, T. Treadwell, J. Leiby, J. Gibbons, and T. Stetson, the last three being *ex-officio*.

9. Research Vessel Safety Standards. This publication has proven most useful to operators for various purposes. Since it first appeared in 1976, certain regulations have come into effect. To keep the chapters current, members were asked to choose a chapter to review and update as necessary. A list of the chapters appears below.

1. INTRODUCTION
2. PROCEDURES
3. DEFINITIONS - J. Leiby
4. CERTIFICATION - J. Leiby
5. STABILITY - J. Leiby
6. WATERTIGHT INTEGRITY - W. Harkness
7. ELECTRICAL & MARINE ENGINEERING - R. Dimmock
8. FIRE EXTINGUISHING EQUIPMENT - B. Veek
9. LIFESAVING EQUIPMENT - E. Nelson, R. Redmond
10. EXPLOSIVES, FLAMMABLES & DANGEROUS MATERIALS - B. Veek
11. SCIENTIFIC EQUIPMENT - R. Gerard & committee
12. COMMUNICATIONS
13. MANNING
14. OPERATIONS
15. SPECIAL

Volunteers are sought for the chapters not spoken for. Please contact the UNOLS Office if you or someone in your organization is willing to review a chapter.

10. Minimum Oceanographic Equipment Standards. The Advisory Council has been requested to study oceanographic equipment problems by Miss Johrde. Earlier this year Dr. R. Mesecar, Associate Professor at OSU, visited the majority of UNOLS member institutions to gather data on various aspects of the equipment problem. Concurrently, Messrs. Elder and Forhan (NSF Office of Oceanographic Facilities & Support) assessed the status of equipment purchased with NSF funds.

The memo dated August 29 (see Appendix III) circulated prior

to this meeting called for opinions on what might constitute minimum oceanographic equipment on vessels classed by length. Four institutions responded and these data will be forwarded to the Advisory Council.

ACTION: A RVOC Equipment Study Committee was formed and will study the situation further. Its composition is:

R. Gerard, LDGO (Ch.)	D. Moller, W.H.O.I.
E. Dieter, U. of AK.	D. Newman, U.S.C.
W. Hahn, U.R.I.	G. Newton, Duke
D. Letzring, TAMU	B. Watkins, U. of WA.

A short meeting of this group was held after adjournment. Data gathered by these various groups and individuals will be used by the Advisory Council to formulate recommendations in a report to funding agencies. Hopefully it will justify and request that additional funds be put in equipment programs.

11. Other.

(a) Frequency of meetings. After some discussion it was decided that RVOC should continue to meet annually.

(b) SATNAV. R. Ewing asked that the Council endorse a draft resolution regarding advancement of launching dates for additional Transit satellites. R. Gerard suggested mention be made also of the NAVSTAR System.

ACTION: Members present endorsed in principal a draft resolution which appears in final form as Appendix IV. This will be forwarded to Professor J.L. Worzel at the University of Texas, Galveston.

(c) Marine Insurance. B. Watkins announced their risk manager, Mr. John R. Pettit, had effected substantial savings in their marine

insurance. If interested further you may contact him at (206) 543-0813.

(d) Law of the Sea Conference. Mr. William Sullivan of the Dept. of State gave a brief update on the recent conference. Presenting a rather gloomy picture, he stated he felt that the procedures to gain foreign clearance are becoming more complicated and time consuming. He predicts it will become worse, with or without a formal treaty. Cooperative programs appear to have a greater chance for success.

(e) Vote of Thanks. All present seconded a vote of thanks proposed by R. Gerard for J. Leiby's many years at the helm of the Council. We are grateful he has agreed to serve as chairman of the RVOC Executive Committee.

(f) Adjourned at 1600, October 2, 1978.



Thomas Stetson
Executive Secretary, UNOLS

APPENDIX I

REGISTERED ATTENDEES

1978 RVOC ANNUAL MEETING

Gene Allmendinger	Univ. of New Hampshire	(603) 862-1383
Pete Branson	S.I.O.	(714) 452-2356
Larry Clark	UNOLS Office	(617) 548-1400
Norm Deniston	Relief Capt. for HERO	(714) 973-1100
Dolly Dieter	Univ. of Alaska	(907) 224-5261
Joe Dropp	Ocean. of the Navy	(202) 695-4141
Dick Edwards	W.H.O.I.	(617) 548-1400
Bob Ewing	Univ. of Texas-Galveston	(713) 765-2173
Tom Forhan	Nat'l. Science Foundation	(202) 632-4102
Sam Gerard	Lamont-Doherty	(914) 359-2900
Jim Griffin	Univ. of Rhode Island	(401) 792-6110
William G. Harkness	Univ. of Hawaii	(808) 847-2661
Ron Jackson	Holmes & Narver, Inc.	(714) 973-1100
Jon Leiby	W.H.O.I.-Marine Dept.	(617) 548-1400
Dean E. Letzring	Texas A&M	(713) 744-3604
Don Mraz	Univ. of Wisconsin-Milwaukee	(414) 963-5095
Robert L. Murphy	Holmes & Narver, Inc.	(714) 973-1100
Eric B. Nelson	Duke University	(919) 728-2111
Don Newman	Univ. of So. Calif-M.S.F.	(213) 830-4570
Gene Olson	Florida Inst. for Ocean.	(813) 893-9100
Wadsworth Owen	Univ. of Delaware	(302) 645-4320
Dick Redmond	Oregon State	(503) 867-3011
Fred Rees	Univ. of Ala.-Dauphin Island	(205) 861-2141
Bob Schelling	Univ. of Washington	(206) 543-5648
Tom Stetson	UNOLS Office	(617) 548-1400
W.L. Sullivan, Jr.	State Department	(202) 632-0853
Cliff Tetzloff	Univ. of Michigan	(313) 763-3183
Dan Toporoski	Scripps Inst. of Ocean.	(714) 225-9600
T.K. Treadwell	Texas A&M	(713) 845-7211
Brad Veek	Univ. of Southern Calif.-IMCS	(213) 741-7735
Boyce Watkins	Univ. of Washington	(206) 543-5062
Skip Wright, USN	N32, Commander, Naval Ocean. Comm.	(601) 688-4890
CDR Julian M. Wright, Jr.	NSTL, Bay Saint Louis, Miss.	39529

M E S C

APPENDIX II

Marine Environmental Sciences Consortium

DAUPHIN ISLAND SEA LAB
P. O. BOX 386
DAUPHIN ISLAND, ALABAMA 36528
TELEPHONE 205-861-2141

March 31, 1978

Board of Directors

FREDERICK P. WHIDDON
University of South Alabama
Chairman

HARRY M. PHILPOTT
Auburn University
Vice Chairman

LEVI WATKINS
Alabama State University

NEAL BERTE
Birmingham Southern College

A. K. JACKSON
Huntingdon College

ERNEST STONE
Jacksonville State University

ASA GREEN
Livingston University

WILLIAM K. WEAVER
Mobile College

LESLIE S. WRIGHT
Samford University

PAUL S. TIPTON
Spring Hill College

RALPH W. ADAMS
Troy State University

LUTHER H. FOSTER
Tuskegee Institute

S. RICHARDSON HILL
The University of Alabama
in Birmingham

BENJAMIN B. GRAVES
The University of Alabama
in Huntsville

DAVID MATHEWS
The University of Alabama,
Tuscaloosa

JAMES F. VICKREY, JR.
University of Montevallo

ROBERT M. GUILLOT
University of North Alabama

Thomas Stetson
UNOLS Office
Woods Hole Oceanographic Institution
Woods Hole, MA 02543

Dear Mr. Stetson:

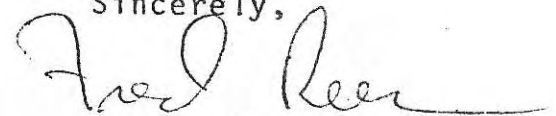
Enclosed you will find a copy of Marine Environmental Sciences Consortium articles of incorporation which includes member institutions along with some structure and functions. I am also sending you an update spec. sheet on the R/V Rounsefell.

With this letter I would like to be considered for membership in the Research Vessel Operators' Council.

If possible I would like the minutes from the previous two council meetings.

Thank you.

Sincerely,



Fred Rees
Manager of Facilities

FR:db



M E S C

Marine Environmental Sciences Consortium

DAUPHIN ISLAND SEA LAB
P. O. BOX 386
DAUPHIN ISLAND, ALABAMA 36528
TELEPHONE 205-861-2141

Board of Directors

FREDERICK P. WHIDDON
University of South Alabama
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Tuskegee Institute

S. RICHARDSON HILL
The University of Alabama
in Birmingham

BENJAMIN B. GRAVES
The University of Alabama
in Huntsville

DAVID MATHEWS
The University of Alabama,
Tuscaloosa

JAMES F. VICKREY, JR.
University of Montevallo

ROBERT M. GUILLOT
University of North Alabama

R/V G.A. ROUNSEFELL

All Steel Construction

Dimensions -

length - 65'
beam - 18'
draft - 7'

Cruising -

speed - 9 knots
fuel capacity - 1500 gal.
water capacity - 350 gal.
range - 150 hours
G.M. 671/ 2:1 gear
30 KW 220V 3 ph. - G.M. 271 - 2 each
capt/mate - (A/C)
scientific - 9 (A/C)

Drive Engine -

Generators -

Quarters -

galley - microwave oven, refrigerator
freezer, oven/stove
head - 1 (with shower)
forward deck - 432 sq. ft.
after deck - 110 sq. ft.
lab. - 100 sq. ft.

Work areas -

Winches -

forward - McElroy-hydraulic -3400 ft.
of 7/16" cable - 2000 pound pull.
after - electric - 800 ft. of 5/16"
cable - 1000 pound pull

Electronics

Loran A-Decca 222
Radar - Decca Super 101
Fathometer - Raytheon 735A
Fathometer - Heath 200F, digital
Auto Pilot - Wood Freeman 500B
Radio - VHF - Raytheon 50A
VHF - RF Ensign II
SSB - Dubose SSB-200
CB - RCA

Safety -

life floats 12 person - 2
life rafts inflatable RFD 6 person - 2
PFD Type II - 40

Diving Support

rings - 3 (2 with floatation strobe lights
emergency radio beacon - 1
pickup boat - 14' fiberglass/25 h.p.
outboard
3 h.p. diving compressor
diving ladder
work day - \$800/24 hours
\$500/8-10 hours
running time - \$500/24 hours
stand by \$400/24 hours

The vessel is docked at Dauphin Island Sea Lab, Alabama.

ARTICLES OF INCORPORATION OF THE
MARINE ENVIRONMENTAL SCIENCES CONSORTIUM
A NON-PROFIT CORPORATION

The articles of incorporation are signed and acknowledged by the incorporators for the purpose of forming a non-profit corporation under the provisions of the Alabama Non-profit Corporation Act, as follows:

ARTICLE I

The name of the corporation shall be the MARINE ENVIRONMENTAL SCIENCES CONSORTIUM.

ARTICLE II

The period of duration of the corporation shall be perpetual.

ARTICLE III

The objects and purposes of the corporation are generally to conduct its affairs as a corporation organized not for profit but exclusively for charitable, scientific and educational purposes, including the making of distributions to organizations that qualify as exempt organizations, Section 503 (c) (3) of the Internal Revenue Code of 1954, as amended.

Without in any way limiting the generality of the foregoing, the immediate and specific purpose of the corporation hereby incorporated, and the powers which it may exercise in addition to those powers specifically granted by Section 207, Title 10 of the Code of Alabama of 1940, are as follows:

- (a) Provide educational programs in Marine Sciences on both the undergraduate and graduate levels.
- (b) Promote and encourage pure and applied research in marine sciences and related areas.
- (c) Promote and encourage communication and dialogue among those interested in marine sciences and related areas through meetings and seminars.
- (d) Acquire the RADAR station on Dauphin Island, Alabama and establish it as an operating site to be known as the Marine Environmental Sciences Consortium.
- (e) To solicit and receive donations and contributions of all classes and kinds of property and to maintain funds to finance the operation of the corporation and to promote its charitable, scientific, and educational functions and programs.
- (f) To acquire by lease, option, purchase, gift, grant, devise, conveyance, or otherwise, and to hold, enjoy, possess, rent, lease and sell real property or any interest therein as may be deemed to the interest of the corporation.
- (g) To acquire by option, purchase, gift, grant, bequest, transfer or otherwise

and to hold, enjoy, possess, pledge as security, sell, transfer or in any manner dispose of personal property of any class or description whatsoever; to retain any property, investments or securities originally received by the corporation or thereafter acquired by it, so long as the Directors of the Corporation shall consider the retention thereof desirable; to invest any and all funds coming into the hands of the corporation, on any account whatsoever, in such property, investments or securities, as the Directors of the corporation may, in the discretion of the Directors, deem advisable, however, doubtful or hazardous or limited the description or nature of any property, investments or securities so retained may be, whether or not the same may be currently producing income; to convert real property owned by the corporation into personal property and personal property into real property; to improve or cause or permit real property to be improved and to abandon any property which the Directors of the corporation deem to be without substantial value; to manage and control any shares of stock, certificates of interest, bonds or other securities of any corporation, trust or association of any time acquired in any way by this corporation and with respect to the same to concur in any plan, scheme or arrangement for the consolidation, merger, conversion, recapitalization, reorganization or dissolution, or the lease or other disposition of the properties of any such corporation, trust, or association the securities of which are held by this corporation and as owner thereof to vote any security of any corporation, trust or association held by this corporation at any meetings of the holders of the same class of security of the issuing entity, and generally in all respects to exercise all of the rights of ownership therein.

(h) To submit proposals to the 1971 Legislature of Alabama for legislation establishing the Marine Environmental Sciences Consortium as a public corporation. In the event such legislation is enacted, it is the intent of the incorporators herein that this corporation be merged into the public corporation so created.

(i) To do and perform all other acts and things which may be incidental to and come legitimately within the scope of any and all of the foregoing objects and purposes or which may be necessary or appropriate for the carrying out and accomplishment of any and all of the foregoing objects and purposes, and to have and exercise all rights and powers now conferred or which may hereafter be conferred on non-profit corporations under the laws of the State of Alabama.

(j) Anything herein contained to the contrary notwithstanding, the corporation shall not be operated for private profit and no part of the assets or of the net earnings of the corporation shall at any time inure to the benefit of any private shareholder, director or individual, except that the corporation shall be authorized and empowered to pay reasonable compensation for services rendered. No substantial part of the activities of the corporation shall be the carrying on of propaganda, or otherwise attempting to influence legislation, and the corporation shall not participate in or intervene in (including the publishing or distributing of statements) any political campaign on behalf of any candidate for public office. Notwithstanding any other provision of these articles, the corporation shall not carry on any other activities not permitted to be carried (i) by a corporation exempt from Federal Income Tax under Section 501 (c) (3) of the Internal Revenue Code of 1954, as amended, or (ii) by a corporation, contributions to which are deductible under Section 170 (c) (2) of said Code.

(k) The foregoing clauses shall be construed equally as objects, purposes and powers and the foregoing enumeration of specific objects, purposes or powers shall not be construed or held to limit or restrict in any manner the powers of the corporation expressly conferred by law, except as expressly stated herein.

ARTICLE IV

Membership in the Corporation will be open to the four-year accredited universities and colleges of Alabama, State and Private, which agree to participate actively in the program. The initial member institutions are as follows:

Auburn University
Alabama State University
Birmingham-Southern College
Florence State University
Huntingdon College
Jacksonville State University
Livingston University
Mobile College
Samford University
Spring Hill College
Troy State University
Tuskegee Institute
University of Alabama (University)
University of Alabama (Birmingham)
University of Alabama (Huntsville)
University of Montevallo
University of South Alabama

Additional institutional members may be admitted upon application and approval of the Board of Directors.

ARTICLE V

The Corporation will be managed and controlled by a Board of Directors, the members of which will be the chief executive officers of the member institutions. The Board of Directors shall determine the overall program and general policies of the corporation in accordance with its By-laws and the provisions of the Alabama Non-profit Corporation Act as now enacted or as same may be hereafter amended. The Board of Directors shall meet at such times and places as are specified in the By-laws of the corporation.

The Executive Committee shall be appointed by the Board and will be composed of Board Members; provided, however, that if a Board Member elects not to serve on the Executive Committee, that Board Member may designate a person to serve in his stead. This Committee will govern the specific operation of the facility, employ a full-time Executive Director and will determine his duties, compensation and other related matters. The Executive Director will be an ex-officio, non-voting member of the Executive Committee and will serve as its secretary. Each member of the Board of Directors will be welcome at all general meetings of the Program Committee.

A Program Committee will be established by the Board of Directors with its membership to be composed of faculty members of member institutions and other selected individuals who have expertise in marine studies, as well as representatives of Federal, State and other agencies as may be determined by the Board of Directors. The function of the Program Committee will be to make recommendations to the Executive Committee concerning the total educational, research and service program of the corporation.

D. P.
D. G.
D. W.
D. C.
D. W.
D. D.
D. C.
D. C.
D. E.

The Board of Directors shall be empowered to set up additional committees as it deems necessary to accomplish the general purposes of the corporation.

(Mod.) J. -

ARTICLE VI

The initial Board of Directors of the corporation shall be composed of the seventeen chief executive officers of the initial member institutions. Their names and addresses are as follows:

- Harry M. Philpott, Auburn University, Auburn, Alabama 36830
- Levi Watkins, Alabama State University, Montgomery, Alabama 36101
- Charles D. Hounshell, Birmingham-Southern College, Birmingham, Alabama 35204
- E. B. Norton, Florence State University, Florence, Alabama 35630
- Allen K. Jackson, Huntingdon College, Montgomery, Alabama 36106
- Ernest Stone, Jacksonville State University, Jacksonville, Alabama 36265
- John E. Deloney, Livingston University, Livingston, Alabama 35470
- William K. Weaver, Jr., Mobile College, Mobile, Alabama 36613
- Leslie Wright, Samford University, Birmingham, Alabama 35209
- William J. Rimes, Spring Hill College, Mobile, Alabama 36608
- Ralph Adams, Troy State University, Troy, Alabama 36081
- Luther H. Foster, Tuskegee Institute, Tuskegee Institute, Alabama 36088
- David Matthews, University of Alabama, University, Alabama 35486
- Joseph F. Volker, University of Alabama in Birmingham, Birmingham, Alabama 3523
- Benjamin B. Graves, University of Alabama in Huntsville, Huntsville, Alabama 3580
- Kermit A. Johnson, University of Montevallo, Montevallo, Alabama 35115
- Frederick P. Whiddon, University of South Alabama, Mobile, Alabama 36688

ARTICLE VII

By-laws for the regulations of the operation of the Corporation shall be adopted by the initial Board of Directors and the said By-laws may be amended by resolution adopted at a regular or special meeting of the Board of Directors upon the affirmative vote of a majority of the Directors holding office.

ARTICLE VIII

The Corporation shall not issue any share of stock to any person, firm or Corporation, nor declare or pay any dividend, nor make any distribution of its assets, except as provided by the Alabama Non-profit Corporation Act.

ARTICLE IX

In the event of the dissolution of the corporation the Board of Directors shall cause the assets of the corporation to be applied and distributed as follows: (a) All liabilities and obligations of the corporation shall be paid, satisfied and discharged, or adequate provisions shall be made therefor; (b) assets held by the corporation upon condition requiring return, transfer or conveyance, which condition occurs by reason of the dissolution, shall be returned, transferred or conveyed in accordance with such requirements; and (c) all of the remaining assets of the corporation shall be transferred or conveyed to such organization or organizations organized and operated exclusively for charitable, educational, religious, or scientific purposes as shall at the time qualify as an exempt organization or organizations under Section 501 (c) (3) of the Internal Revenue Code of 1954, as amended. Subject to the above conditions, the Board of Directors shall return to those member institutions, contributions of money or other property, real or personal, which they have made to the corporation.

ARTICLE X

The corporation shall keep complete and accurate books and records of account and shall keep minutes of the proceedings of its Board of Directors and committees. All books and records of the Corporation shall be open to inspection by any Director, his agent or attorney, for any proper purpose at any reasonable time.

The initial registered office of the corporation shall be the Capitol of the State of Alabama at Montgomery, Alabama.

The initial registered agent of the corporation shall be the Secretary of State of the State of Alabama whose address is the same as that of the initial registered office.

ARTICLE XI

The names and addresses of the incorporators of the corporation are as follows:

Harry M. Philpott, Auburn University, Auburn, Alabama 36830
Levi Watkins, Alabama State University, Montgomery, Alabama 36101
Charles D. Hounshell, Birmingham-Southern College, Birmingham, Alabama 35204
E. B. Norton, Florence State University, Florence, Alabama 35630
Allen K. Jackson, Huntingdon College, Montgomery, Alabama 36106
Ernest Stone, Jacksonville State University, Jacksonville, Alabama 36265
John E. Deloney, Livingston University, Livingston, Alabama 35470
William K. Weaver, Jr., Mobile College, Mobile, Alabama 36613
Leslie Wright, Sanford University, Birmingham, Alabama 35209
William J. Rimes, Spring Hill College, Mobile, Alabama 36608

Ralph Adams, Troy State University, Troy, Alabama 36081
Luther H. Foster, Tuskegee Institute, Tuskegee Institute, Alabama 36088
David Matthews, University of Alabama, University, Alabama 35486
Joseph F. Volker, University of Alabama in Birmingham, Birmingham, Alabama 35233
Benjamin B. Graves, University of Alabama in Huntsville, Huntsville, Alabama 35807
Kermit A. Johnson, University of Montevallo, Montevallo, Alabama 35115
Frederick P. Whiddon, University of South Alabama, Mobile, Alabama 36688

ARTICLE XII

The Articles of Incorporation or any of the provisions thereof may be amended as provided in the Alabama Non-profit Corporation Act.

II. 2638

Enrolled, An Act,

To provide for the creation, incorporation and operation of the Marine Environmental Sciences Consortium; to state the purposes for which the consortium is to be organized and to define its powers; to provide for the member institutions, officers and directors of the consortium; and to grant to the governing boards of the member institutions the authority to make contributions to the consortium.

BE IT ENACTED BY THE LEGISLATURE OF ALABAMA:

Section 1. Organization: A consortium is hereby created under the name of the Marine Environmental Sciences Consortium for the purposes set forth herein. The initial member institutions are: Alabama State University; Auburn University; Birmingham Southern College; Florence State University; Huntingdon College; Jacksonville State University; Livingston University; Mobile College; Samford University; Springhill College; Troy State University; Tuskegee Institute; The University of Alabama in Birmingham; The University of Alabama in Huntsville; The University of Alabama, Tuscaloosa; University of Montevallo; University of South Alabama. Institutional membership in the Consortium may be increased or decreased under regulations to be established by the Board of Directors hereinafter provided for.

Section 2. Purposes: The purposes of the Consortium are to provide educational programs in Marine Sciences on both the undergraduate and graduate levels; to promote and encourage pure and applied research in Marine Sciences and related areas; to promote and encourage communication and dialogue among those interested in marine sciences; and to do and perform all other acts and things which may be incidental to and come legitimately within the scope of any and all of the foregoing objects and purposes or which may be necessary or appropriate for the carrying out and accomplishment of any and all foregoing objects.

Section 3. Body Corporate: The Marine Environmental Sciences Consortium is hereby constituted as a body corporate and such consortium shall have all the rights, powers, and franchises necessary to or promotive of the end of its creation and shall be charged with all the corresponding duties and responsibilities, including the powers and responsibilities devolving upon a non-profit corporation organized under Title Ten of the 1940 Code of Alabama as amended.

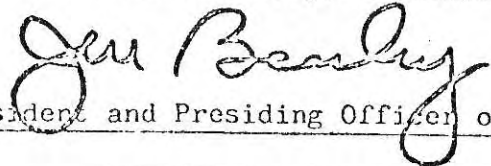
Section 4. Officers and Directors: The entire management of the Consortium shall be vested in its Board of Directors, to be composed of the chief executive officers of the member institutions. The Board of Directors shall determine the overall program and general policies of the Consortium in accordance with the provisions of this act as now enacted or as the same may be hereafter amended.

The Board may elect or appoint such officers as it deems desirable, who may or may not be members of the Board, to have such responsibilities and to exercise such authority as the Board may from time to time prescribe.

Section 5. Member Contributions: The governing authorities of the member institutions are hereby authorized to lease or to deed any real property to the consortium, and such authorities may also sell, give, lend, or lease any personal property to the consortium. Further, the governing authority of each member institution is hereby authorized and empowered to make annual expenditures as may be necessary for the support and maintenance of the consortium.

Section 6. This act shall become effective immediately upon its passage and approval by the Governor or upon its otherwise becoming law.


Speaker of the House of Representatives


President and Presiding Officer of the Senate

House of Representatives

I hereby certify that the within Act originated in and was passed by the House September 14, 1971.

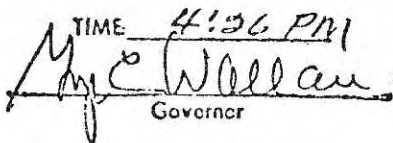
John W. Pemberton
Clerk

Senate

9/22/71

Passed

APPROVED Oct 1 1971

TIME 4:36 PM

Governor

NO. 2132

RECEIVED

OCT 1 2 1971

TIME 11:54 a.m.

Secretary of State

APPENDIX III

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
(617) 548-1400, Ext. 352

August 29, 1978

TO: RVOC Annual Meeting Attendees
FROM: T. Stetson, UNOLS
SUBJECT: Minimum Oceanographic Equipment Standards for Academic
Research Vessels: An Agenda Item for RVOC

-
1. At the August meeting of the Advisory Council, Dr. Roderick Mesecar (OSU) delivered a report on the oceanographic equipment study. This study included procurement, inventory techniques, accessibility, storage and suitability of oceanographic equipment to its intended task. It appeared that the Council might develop recommendations on behalf of the UNOLS community which might:
 - be of use to funding agencies in establishing priorities
 - improve accessibility by scientists and other users to equipment
 - improve and/or define use of marine technicians in maintenance and calibration of gear
 - define a minimum suite of oceanographic instrumentation and ship's gear of a standardized quality which a user might reasonably expect aboard vessels of the fleet.
 2. So that the Council may develop recommendations based on as great an input as possible, we are soliciting your opinion on what you or your institution feels should be the minimum ship's gear aboard academic vessels by class. For this purpose classes are defined as follows:

50 - 99' LOA	200 - 249
100 - 149	250+
150 - 199	

Feel free to address more than one class. Your listing by class(s) should include, but is not limited to, the ship's gear categories suggested below. It should not merely list what you now have but what you feel should be aboard.

I. Basic Ship Operations

- Structural (A-frames, center wells, ramps, thruster, etc.)
- Auxiliary machinery
- Electrical power for labs
- Navigation (operational)
- Communication (operational)
- Safety
- Spares
- Interior services and habitability
- Dockside service items
- Other

II. Permanent Shipboard Scientific Related Installations

- Winches (capacity, sliprings, etc.)
- Cranes (Cap., outreach)
- Deck tiedowns
- Other deck machinery, hardware
- Oceanographic cable, including multi-conductor (min. length, dia., termination)
- Navigation (scientific)
- Communications (scientific)
- Other

3. I request your comments at the meeting in a form suitable for reproduction later.

RESEARCH VESSEL OPERATORS' COUNCIL

RESOLUTION FOR THE SUPPORT OF EARLY LAUNCHING OF ADDITIONAL
SATELLITES FOR THE TRANSIT NAVIGATION SYSTEM

Whereas the university oceanographic research community has come to rely heavily upon the Transit Satellite Navigation System for the acquisition of scientific data; whereas the positions of satellites in service have changed to such an extent that there is now a period of about seven hours each day during which no fix can be obtained, and whereas it is understood that no additional Transit Satellites are scheduled to be launched before late 1979 or 1980; be it resolved that RVOC strongly advocates that all feasible actions be taken in order to advance the launchings of new satellites to the earliest possible dates. Be it further resolved that RVOC advocates that installation of the NAVSTAR system be advanced to the earliest feasible date in order to provide the community the high quality of navigational capability demanded by ocean research.

APPENDIX V

BY LAWS OF THE
RESEARCH VESSEL OPERATORS' COUNCIL

A. PURPOSE

The purpose of the Research Vessel Operators' Council shall be to promote cooperation among marine science research and educational institutions and to represent their interests in the areas of marine operation, governmental regulations, labor relations, and public relations as these areas affect their research fleets.

B. MEMBERSHIP

1. Membership in the Research Vessel Operators' Council shall be limited to those private, charitable, and state educational institutions which operate vessels engaged in research in the marine sciences and whose vessels are defined within the following statement:

"A vessel engaged solely in scientific research and/or instruction in oceanography and limnology, operated in the public interest by either a private non-profit institution, an educational institution, or a public authority."

2. Membership shall consist of the following charter members and such added members created under Paragraph B.3 below:

Chesapeake Bay Institute
Johns Hopkins University
Baltimore, Maryland

Lamont Geological Observatory
Columbia University
Palisades, New York

Duke University
Marine Laboratory
Beaufort, North Carolina

University of Miami
Marine Laboratory
Miami, Florida

Florida State University
Oceanographic Institute
Tallahassee, Florida

University of Michigan
Great Lakes Research Division
Institute of Science & Technology
Ann Arbor, Michigan

Gulf Coast Research Lab.
Ocean Springs, Mississippi

Narragansett Marine Laboratory
University of Rhode Island
Kingston, Rhode Island

University of Hawaii
Institute of Geophysics
Honolulu, Hawaii

Oregon State University
Department of Oceanography
Corvallis, Oregon

Hopkins Marine Station
Stanford University
Pacific Grove, California

Scripps Institution of Oceanography
University of California
La Jolla, California

Texas A & M Research Foundation
College Station, Texas

Woods Hole Oceanographic Institution
Woods Hole, Massachusetts

University of Washington
Department of Oceanography
Seattle, Washington

3. Membership may be gained by application to the Chairman and Executive Committee of the Council who may recommend to the Council the prospective member. A 2/3 vote of the Council taken at the Annual Meeting shall be necessary to admit a new member. The Director or Administration of the prospective member institution shall certify to the Council the status of the Institution with respect to the above definitions.
4. Upon recommendation of the Executive Committee and upon a three quarters vote of the Council a member institution may be dropped from membership in the Council.

C. REPRESENTATION

1. Each member institution shall be entitled to one vote at the Annual Meeting. Each member institution shall be entitled to send as many individuals as it desires to the Annual Meeting, as representatives of the institution.
2. Each member institution shall be notified of the Annual Meeting by the Secretary of the Council at least one month prior to the Annual Meeting.
3. A quorum shall be 50% of the membership.

D. OFFICERS

1. The Research Vessel Operators' Council shall have a Chairman elected at the Annual Meeting for a two year term and a Secretary elected at the Annual Meeting for a two year term. Date of office shall commence at the close of the Annual Meeting and the Chairman and Secretary shall be elected in alternate years.
2. The Council shall have an Executive Committee composed of five members elected for two year terms, three in one year, two the following year. Term of office shall date from the close of the Annual to which elected. By virtue of their positions, the Chairman and Secretary shall be voting members of the Executive Committee. No more than two members of the Executive Committee shall be from any one member institution at any given time.
3. The Executive Committee shall be responsible for advising the Chairman on Council programs, on budgetary matters, and through appointed Counsel on legal matters.

4. The Chairman shall represent the Council in all matters stipulated in the purpose of these by-laws and in all matters deemed necessary by the Executive Committee in the interest of the Council. The Chairman shall implement the programs enumerated by the Council and shall conduct the Annual Meeting and whatever special meetings are deemed necessary by the Executive Committee, the Chairman or the members.
5. The Secretary shall record the business of the Council and shall be responsible to the Executive Committee for receipt and disbursement of finances. The Secretary shall be responsible for dissemination of information through newsletters or other media as stipulated in these by-laws to all members of the Council.
6. If the Chairman or the Secretary are unable to fulfill their duties of office, the Executive Committee shall appoint a successor to act with full authority until the succeeding Annual Meeting.

E. COMMITTEES AND PANELS

1. Upon the recommendation of the Chairman and the Executive Committee and with the unanimous concurrence of the Council, at the Annual Meeting, various panels and committees, as necessary to the work of the Council, may be constituted. The duration of action of such panels and committees shall be stipulated at the time of inception. Size of such panels and committees, scope of action, and membership shall be stipulated at the time of inception.
2. Special committees may be established if required between the Annual Meetings but they must be confirmed by a vote at the Annual Meeting.

F. ANNUAL MEETING AND OTHER MEETINGS

1. A general meeting of the Council shall be held at least once yearly. The Chairman shall preside. The business of the meeting shall encompass reports of the Executive Committee, the several panels and committees, passage of the budget, and discussions of projects and actions of the Council.
2. Passage of projects and actions shall be by majority vote of the members present at the meeting.
3. The Executive Committee shall meet at least twice yearly, one meeting shall be held immediately prior to the Annual Meeting and one meeting at the call of the Chairman of the Council.
4. The various panels and committees shall each meet at least once yearly, at the general meeting.

G. FINANCES

1. The work of the Council shall be financed by assessments from the member institutions based on the size of the respective active vessels.
2. The Secretary of the Council shall be responsible to the Executive Committee for receipt and disbursement of finances.
3. The assessment shall be due each year prior to the Annual Meeting of the Council. Receipt of said assessment shall entitle the Member Institution to vote at the Annual Meeting.
4. At the specific approval of the Executive Committee and based on extenuating circumstances a member institution may defer payment of its assessment until the end of the fiscal year and still retain its vote at the Annual Meeting.
5. The Secretary shall prepare a financial report to be presented each year at the Annual Meeting.
6. The Chairman and the Executive Committee shall prepare a budget for the following year to be presented at the Annual Meeting. The adoption of the budget shall require a 2/3 vote of the member institutions.

THE RVOC By-Laws were approved at the Research Vessel Operators Council Annual Meeting on 9 January 1964.

