

Appendix XIV

UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

An association of institutions for the coordination and support of university oceanographic facilities

APPLICATION FOR MEMBERSHIP

Revised 4/97

Pursuant to the UNOLS Charter the below named organization hereby submits application for membership in the University-National Oceanographic Laboratory System. In doing so the applicant understands and agrees to work for the objectives set forth in the UNOLS Charter (Attached)

Name of Institution: Southern California Marine Institute

Name of person delegated to act as representative to UNOLS

Name: Donald L. Newman

Title: Associate Director

Address: 820 South Seaside Ave.

Terminal Island, CA 90731

Telephone Number: (310) 519-3172

Fax Number: (310) 519-1054

E-mail: SCMI@csulb.edu

General information on oceanographic, Sea Grant and other marine science programs

No. Professional Personnel 16 No Graduate Students 8

Approximate Annual Budget \$ 1.5 million

List of research vessel(s) owned or operated

NAME	SIZE
<u>R/V Yellowfin</u>	<u>76' x 28'</u>
<u>R/V SeaWatch</u>	<u>65' x 26'</u>
<u>R/V Vantuna</u>	<u>85' x 28'</u>

NOTE: Please attach a brief list of the names and addresses of key individuals to whom the following information sent out by UNOLS would apply. (Note: The UNOLS Institution Representative receives all information)

Ship user information - research ship schedules, ship availabilities, etc (intended for scientists and ship users)

Research ship operations and maintenance - for Marine Superintendents and Port Captains

UNOLS Rep. only

SUBMITTED

Signature Donald L. Newman

Name Donald L. Newman

Title Associate Director

Date 5/2/97

RECEIVED
MAY 6 1997
UNOLS OFFICE

Send to

P O Box 392
Saunderstown, RI 02874



Phone (401) 871-1234

Scientists and Ship Users

Dr. Larry Allen
Biological Sciences
(818) 885-3340/3356
FAX: (818) 885-2034
E-mail: lallen@huey.csun.edu

Dr. Robert (Dan) Francis
Geological Sciences
(310) 985-4929
FAX: (310) 985-8638
E-mail: rfrancis@csulb.edu.

Dr. Keith Arnold
Biological Sciences
(909) 869-4049/4038
FAX: 869-4078
E-mail: kearnold@csupomona.edu

Dr. Steve Murray
Biological Sciences
(714) 449-7291
FAX: (714) 773-3426
E-mail: smurray@fullerton.edu

Dr. Richard Bray
Program Director
Biological Sciences
(760) 750-4000
FAX: (760) 750-4111
E-mail: rbray_@csusm.edu

Dr. Carlos Robles
Biological Sciences
(213) 343-2067/2050
FAX: (213) 343-6451
E-mail: crobles@hitide.calstatela.edu

Dr. Ivan Colburn
Geological Sciences
(213) 343-2413/2400
FAX: (213) 343-2435
E-mail: None

Dr. Roger Seapy
Biological Sciences
(714) 773-2265/3614
FAX: (714) 773-3426
E-mail: rseapy@fullerton.edu

Mr. George Engelke
Mechanical Engineering
(909) 869-2576/2575
FAX: 869-4341
E-mail: sjchan@csupomona.edu.

Dr. David Sigurdson, Chair
Earth Sciences
(310) 516-3392/3376
FAX: (310) 516-4268
E-mail: dsigurdson@dhvx

Dr. Vicky Fabry
College of Arts & Sciences
(760) 750-4110
FAX: (760) 750-4030

Dr. Jon Sloan
Geological Sciences
(818) 885-4880/3541
FAX: (818) 885-2820
E-mail: jsloan@huey.csun.edu

Dr. Allan Miller
Biological Sciences
(310) 985-8503
FAX: (310) 985-8878
E-mail: amiller@csulb.edu

Dr. Susan Williams
Biological Sciences
(619) 594-2738
FAX: (619) 594-5676
E-mail: swilliams@sunstroke.sdsu.edu



Southern California
MARINE INSTITUTE

Effective August 1993 the Ocean Studies Institute, representing eight California State University campuses, the University of Southern California, and Occidental College merged to form the largest consolidated marine institute in California. While each campus will continue to maintain their respective marine science programs, this newly consolidated center will provide additional laboratory space, as well as convenient seaside access to their fleet of research vessels. The research center is known as the Southern California Marine Institute (SCMI). SCMI is dedicated to providing field and laboratory support for Marine Biology, Oceanography and other ocean-related studies.

The strategic alliance of these marine groups maximizes the resources of participating entities, while utilizing the collective knowledge of these universities. SCMI establishes a synergistic relationship among the members, minimizes overall operating costs through consolidation of resources, nurtures a positive relationship between governmental agencies and academia, allows greater visibility of member programs, creates a large marine database accessible to other educational and private entities, and raises the potential for external funding through grants and contracts.

SCMI is dedicated to serving not only its member campuses, but also to provide educational and research opportunities to all public and private entities. Inquiries regarding SCMI and the services that can be provided should be sent to the following address:



Southern California Marine Institute
820 South Seaside Avenue
Terminal Island, Ca 90731
or Telephone (310) 519-3172
or Fax (310) 519-1054

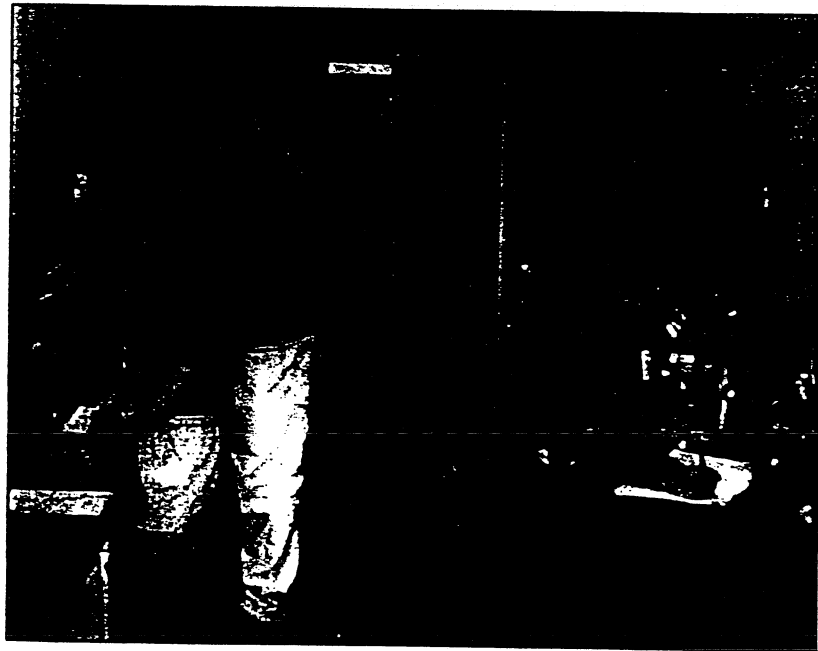
USC • CSUF • CSUN • CSUDH • CSULA • CSULB • CSPUP • SDSU • CSUSM • Occidental College

The ocean offers major resources for Southern Californians from both biological and economical standpoints. Yet the Probability of environmental impact is great, as the ports of Los Angeles and Long Beach are among the busiest in the world. The high population density of the Los Angeles basin further exacerbates the potential for environmental disaster along the coast and in the harbors. The biological resources of our local marine habitats must be preserved for present and future generations. To achieve this goal, educational programs focusing on marine environments must be maintained. Future environmental disasters can only be averted by understanding the intricacies of the sea. SCMI is dedicated to providing field and laboratory support for Marine Biology, Oceanography and other ocean-related studies.

A strategic alliance of marine groups maximizes the resources of participating entities, while utilizing the collective knowledge of the group. The new Southern California Marine Institute provides modern facilities including laboratories, storage, machine shop and technical support.

The Southern California Marine Institute:

- established a synergistic relationship among the members
- minimizes the operating cost through consolidation of resources
- nurtures a positive relationship between governmental agencies and academia
- allows greater visibility of members' programs
- creates a large marine data base accessible to other educational and private entities
- provides a land base to enhance educational programs or as a center for distance learning
- demonstrates fiscal responsibility to the legislature and general public
- raises the potential for external funding through grants and contracts



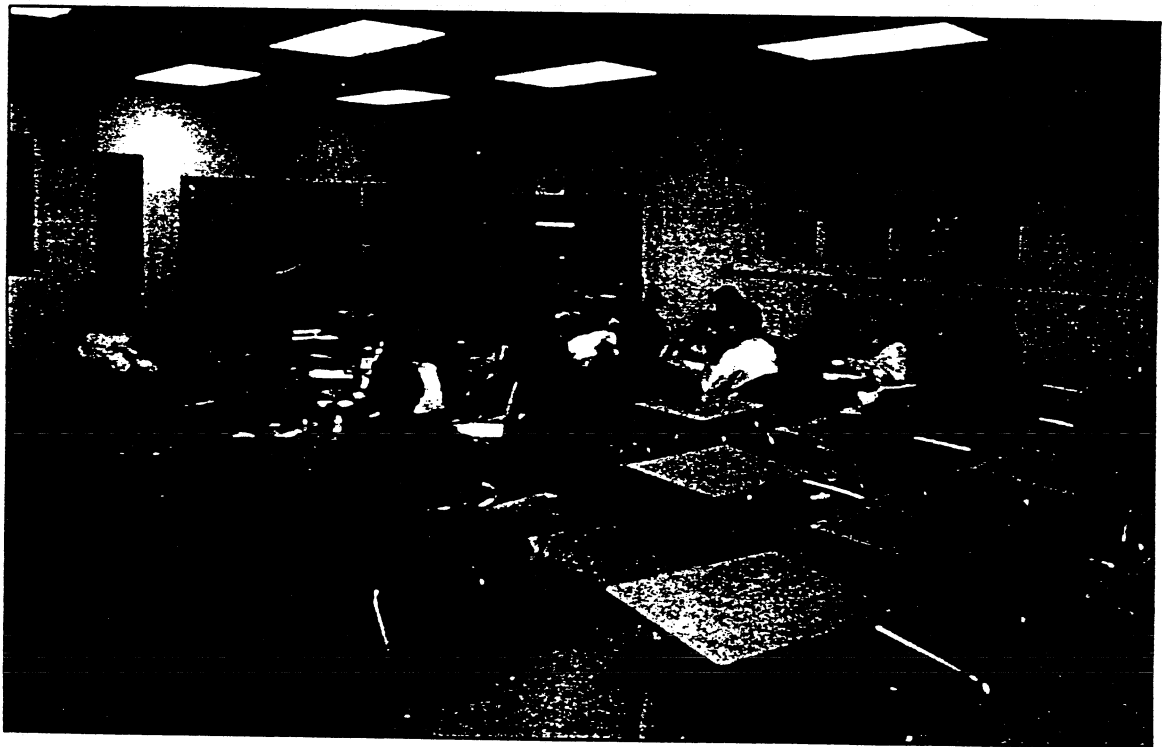
SCMI increases research and education capabilities as a result of better facilities.

ADVANTAGES

Through SCMI, the combined assets of highly skilled personnel and well-equipped vessels have the capability of meeting a variety of educational and research needs in both coastal and offshore waters. SCMI, intercampus faculty and graduate students combine to create a large reservoir of diverse expertise that can be coordinated into multidisciplinary projects, including the areas of marine biology, oceanography, microbiology, chemistry, geology, economics, geography, archeology and engineering.

The Fish Harbor facility contains more than 13,000 square ft. of usable space, including offices, classrooms, fully-equipped laboratories and a machine shop. The wet labs are appointed with saltwater circulation systems to maintain living marine specimens.

SCMI also has 10,000 square ft. of deep harbor space able to accommodate five research vessels at one time.

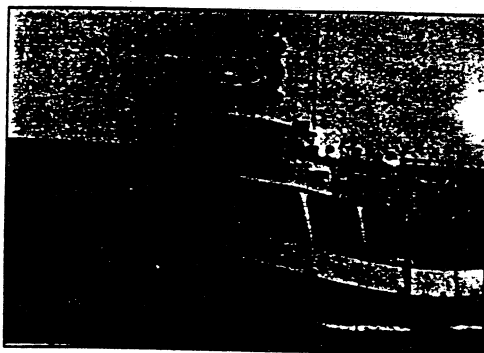


FACILITIES and CAPABILITIES

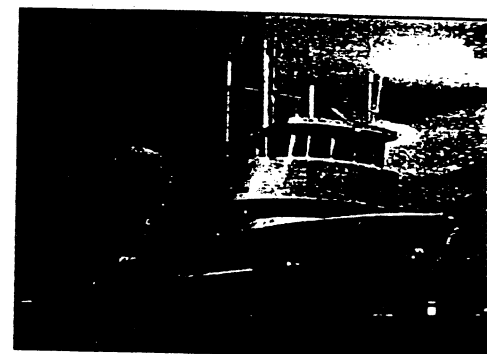
SCMI maintains a fleet of four coastal research vessels exclusively used to support marine science and educational programs for member institutions as well as for all regional users.

SCMI Vessels

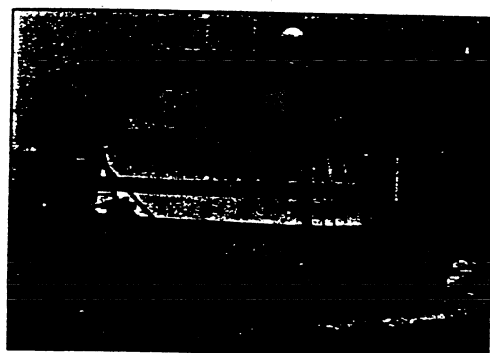
	VANTUNA	YELLOWFIN	SEA WATCH	GOLDEN WEST
Length	85 feet	76 feet	65 feet	41 feet
Beam	23 feet	24 feet	24 feet	12 feet
Draft	9 feet	8.6 feet	5 feet	3.5 feet
Cruising Speed	10 knots	9.5 knots	10.5 knots	10 knots
Normal Range	2000 NM	2000 NM	500 NM	100 NM
Fuel Capacity	2700 gallons	4000 gallons	1800 gallons	300 gallons
Endurance	5 days	10 days	5 days	24 hours
Compliment	3 crew	5 crew	3 crew	1 crew
Student/Scientist	38 day/12 night	40 day/6 night	40 day/16 night	17 scientists
Engines	twin 460HP Cats	twin 350HP Detroit	twin 465HP Detroit	one 275HP Detroit



Vantuna



Yellowfin



Sea Watch



Golden West

For expanded vessel or scientific equipment specifications, please call (310) 519-3172

VESSELS