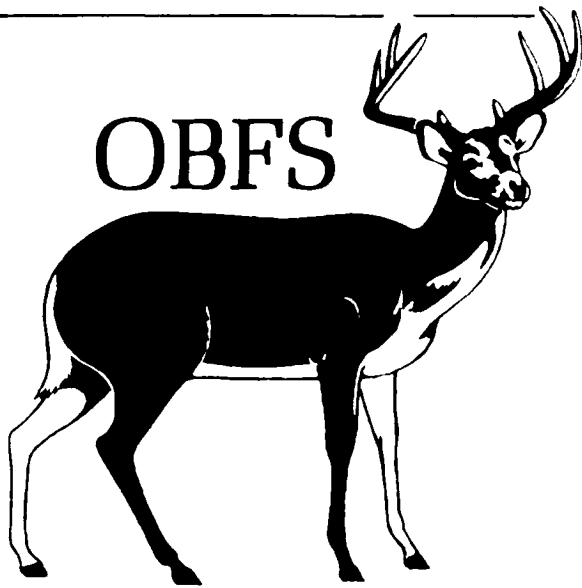


**Organization of  
Biological Field Stations**

**Newsletter  
No. 44  
Spring 1987**

# OBFS



# Newsletter

Number 44

Spring 1987

Newsletter Editor

Joseph F. Merritt

Powdermill Nature Reserve

Carnegie Museum

Star Route South, Rector, PA 15677

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## OBFS ANNUAL MEETING

September 16\* - 20, 1987 - Bodega Marine Laboratory  
University of California, Bodega Bay, CA

\*This year's meeting will follow the traditional Thursday afternoon through Sunday morning schedule, with the notable option of an all-day offshore boat trip on Thursday for attendees who elect to arrive one day early on Wednesday, September 16. This option will be available if at least 10 attendees participate. Our research vessel, the AVANT GARDE, can accommodate only 28 OBFS members, so please notify us early. The trip will also be subject to last-minute cancellation if the weather is bad, but September weather is usually cooperative. We can hope to see Humpback whales, and possibly Blue or Sei whales, plus a few species of porpoises and pinnipeds, and a variety of seabirds including albatrosses, shearwaters, storm-petrels and alcids. The destination for this trip is Cordell Bank, a seamount north of the Farallon Islands. Bring warm clothes such as windbreakers, down vests, and wool caps, binoculars, and scopolamine patches if you are susceptible to motion sickness. If weather cancels the boat trip, expect to spend the day at Point Reyes National Seashore.

### Travel Notes

Travellers by airline should fly to San Francisco Airport (SFO) and take an airport van (Santa Rosa Airporter or Airport Express only) to Petaluma in Sonoma County. Airport vans depart every half hour from blue-painted posts on the traffic island at the airport baggage claim level. Cost is about \$12.00 one way. The trip to Petaluma takes about 80 minutes.

We will meet all airport vans arriving in Petaluma between 2:00 p.m. and 5:00 p.m. on September 16 and 17. If you must arrive at another time, please inform us when you register, or phone BML (707) 875-2211, or call Paul Siri after 5:00 p.m., at his home in Petaluma (707) 778-6104 on September 16 or 17.

For the return trip on Sunday, we will charter a bus from BML to SFO, leaving BML at 10:15 a.m. and arriving at SFO at about 12:30 p.m.

Travellers by car should arrive at BML between 2:00 p.m. and 6:00 p.m. if convenient. Take US 101 from the Bay Area to Petaluma; exit on Washington Street and turn left. Continue westward on this street/highway (which changes its name occasionally, finally joining Highway 1) toward Valley Ford and on to Bodega Bay. Turn left on Eastshore Road (see map) and continue around the harbor for 3 miles to BML Housing and OBFS sign.

### Accommodations

BML housing is limited, and varies from motel-style double rooms to a bunkhouse. We can accommodate 60 people but if these facilities fill up, late registrants will be housed in some interesting and creative manner. Please bring sleeping bag and towels.

In response to several requests for a menu heavy on seafood, we are planning three dinners of local rockfish, albacore, and salmon. If you would prefer the option of meat instead of fish on some evenings or have special diet restrictions please indicate this on the registration form.

### Clothing

September weather may range from cool, foggy and windy to warm and pleasant, or hot at inland locations. Light walking shoes should be sufficient for field trips, with an extra pair of tennis shoes recommended for anyone who wants a close look at intertidal habitats (but we won't have the benefit of any very low tides).

### Field Trips

Local field trips will consist of walking tours of BML, upland and intertidal portions of Bodega Marine Reserve and the adjacent harbor and beaches. Habitats will include coastal prairie and bluffs, sandy beach, saltmarsh, rocky coast, and sand flats. The Saturday field trip, by van, will include stretches of rugged coastline, the Russian River valley and mouth, redwood forest, hillside hardwood forests, and lunch at a small ridge-top winery. Area attractions for visits before or after the OBFS meetings include Point Reyes National Seashore, Sonoma and Napa Valley wineries and San Francisco.

OBFS ANNUAL MEETING

September 16\* - 20, 1987 - Bodega Marine Laboratory

\*September 16, Wednesday: Early arrival option for boat trip

2:00 p.m. - 6:00 p.m. - Arrive at BML, check in, etc.

6:00 p.m. - Social hour

7:00 p.m. - Dinner

8:00 p.m. - Boat trip discussion

September 17, Thursday:

7:00 a.m. - Breakfast

8:00 a.m. - BML vessel departs, Spud Point Marina

2:00-4:00 p.m. - Return to harbor

2:00-6:00 p.m. - More arrivals at BML, check in, etc.

6:00 p.m. - Social hour

7:00 p.m. - Dinner

8:00 p.m. - Welcome to BML

September 18, Friday

7:00 a.m. - Breakfast

8:00 a.m. - Business Meeting

10:00 a.m. - BML tour and local field trips

12:00 p.m. - Lunch

1:30 p.m. - Business Meeting

3:30 p.m. - Local field trips

6:30 p.m. - Dinner

8:00 p.m. - Business Meeting

September 19, Saturday

7:00 a.m. - Breakfast

8:00 a.m. - Business Meeting

10:30 a.m. - Field trip: Sonoma coast landscapes

6:30 p.m. - Salmon barbecue

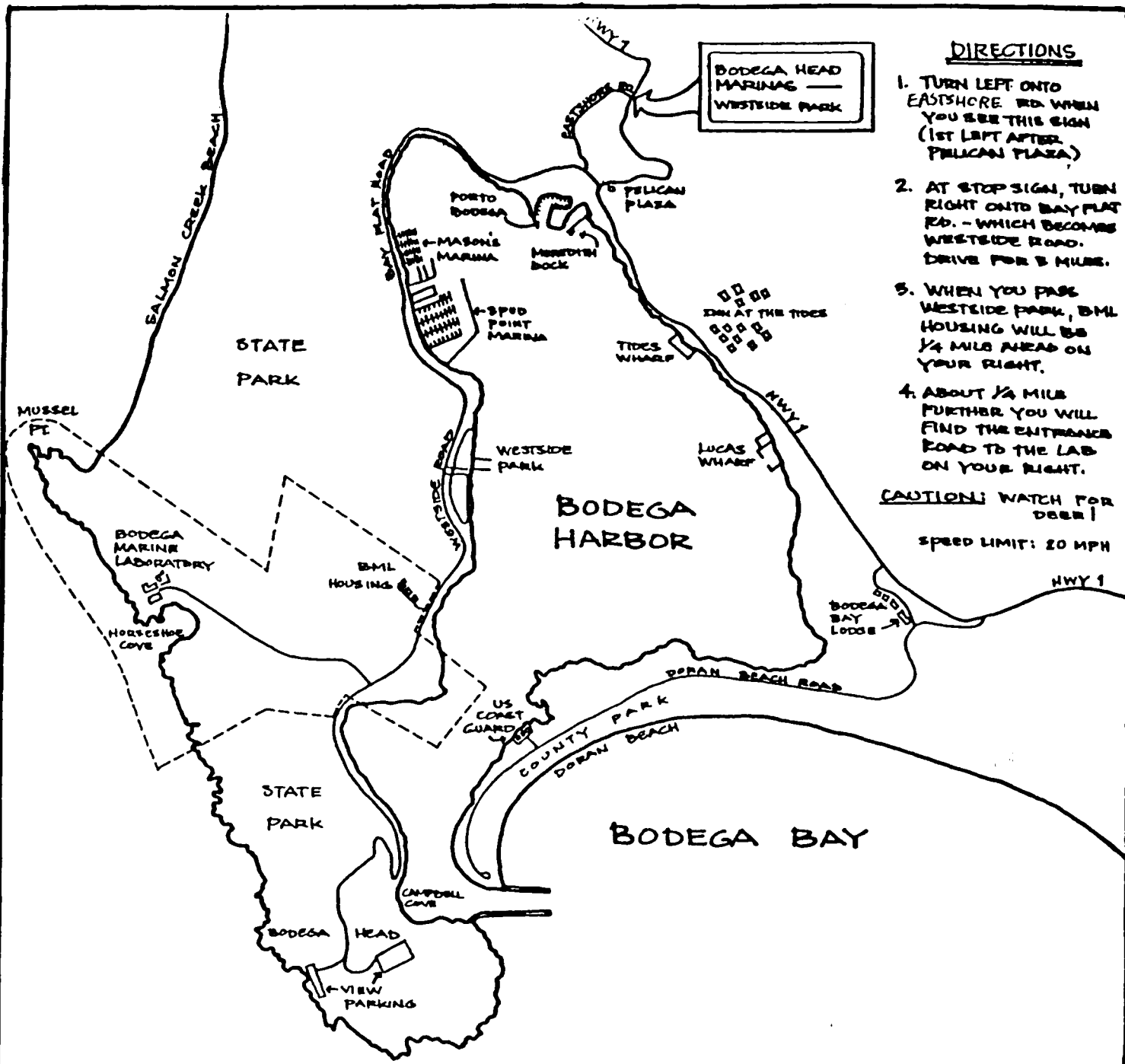
8:30 p.m. - Station reports and slide show

September 20, Sunday

7:00 a.m. - Breakfast

8:00 a.m. - Business Meeting

10:00 a.m. - Depart for airport



**DIRECTIONS**

1. TURN LEFT ONTO EASTSHORE RD WHEN YOU SEE THIS SIGN (1ST LEFT AFTER PELICAN PLAZA)
2. AT STOP SIGN, TURN RIGHT ONTO BAY FLAT RD. - WHICH BECOMES WESTSIDE ROAD. DRIVE FOR 3 MILES.
3. WHEN YOU PASS WESTSIDE PARK, BML HOUSING WILL BE 1/4 MILE AHEAD ON YOUR RIGHT.
4. ABOUT 1/2 MILE FURTHER YOU WILL FIND THE ENTRANCE ROAD TO THE LAB ON YOUR RIGHT.

**CAUTION!** WATCH FOR DEER!  
SPEED LIMIT: 20 MPH

**DRIVING TIME TO BML**

(NON-COMMUTE HOURS)

1. UC DAVIS - 2 HRS. 15 MIN.
2. UC BERKELEY - 1 HR. 50 MIN.
3. SF OR OAK AIRPORT - 2 HRS.
4. PETALUMA - 55 MIN.
5. SANTA ROSA - 45 MIN.

BML Phone # (707) 875-2211  
Paul Siri Home 778-6104  
Peter Connors 875-3379

OBFS Meeting, September 16-20, 1987  
Bodega Marine Laboratory, Bodega Bay, CA

Name \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_

Office Phone \_\_\_\_\_

Costs (includes lodging, meals, local transportation):

Arrival Thursday, Sept. 17: \$75/person

Arrival Wednesday, Sept. 16, for boat trip option:  
\$125/person (4 days lodging plus \$25 for boat trip)

Please make check payable to OBFS Local Committee

Arrival date \_\_\_\_\_ Boat Trip? Yes/No

Driving to BML? Yes/No Arrival Time \_\_\_\_\_

Scheduled airline arrival time at SFO \_\_\_\_\_

Arrival by airport van to be met in Petaluma? Yes/No

Would you like a reservation on the special bus from BML  
arriving at SFO at 12:30 p.m. on Sunday, Sept. 20  
(Cost: \$5 to \$12)? Yes/No

Fish Fish Fish \_\_\_\_\_ Prefer Meat Option \_\_\_\_\_

Other dietary restriction \_\_\_\_\_

Please return this form by August 31, 1987 to:

Peter G. Connors - OBFS  
Bodega Marine Laboratory  
P.O. Box 247  
Bodega Bay, CA 94923  
Phone 707-875-2211

## **I. Reports and Activities.**

### **A. OBFS Committees and Representatives: 1986-87**

#### Committee on Administration and Facilities - James Pratt, chairman

James R. Pratt  
Hancock Biological Station  
Murray State University  
Murray, KY 42017  
(502) 762-3194 Campus  
(502) 474-2226 Station

Jeffrey Kennedy  
Natural Reserve System  
University of California  
2120 University Ave. - 4th Fl.  
Berkeley, CA 94720  
(415) 644-4217 or 644-4211

Alan Grundman  
Jasper Ridge Biol. Station  
Stanford University  
Stanford, CA 94305  
(415) 723-1589 (Campus)  
(415) 851-2745 Field

Mark Noble  
University of Colorado  
Mountain Research Station  
INSTAAR  
Nederland, CO 80466  
(303) 492-8841

Wade C. Sherbrooke  
Southwestern Research Station  
P. O. Box G  
Portal, AZ 85632  
(602) 558-2396

#### Committee on Education - Mark Paddock, chairman

Mark Paddock  
University of Michigan  
Biological Field Station  
Ann Arbor, MI 48109-1048

Susan Allen  
Rocky Mountain Biological Station  
P. O. Box 519  
Crested Butte, CO 81224  
(303) 349-7231

Jeffrey Burkhart  
Phillips University of Colorado  
Department of Biology  
Enid, OK 73702  
(405) 237-4433 Office  
(303) 852-3052 Station

Robert P. Rye, Jr.  
Department of Natural Resources  
Conservation Education Center  
RR #1 Box 53  
Guthrie Center, IA 50115  
(515) 747-8383

Ross F. Shaw  
T. B. Crowley Lab  
Seattle Pacific University  
Seattle, WA 98119  
(206) 281-2200 Campus  
(206) 375-6721 Station

#### Committee on Research - Arthur McKee, chairman

Arthur McKee  
USDA Forest Service  
Hubbard Brook Experimental Forest  
RR #1 Box 97  
Campton, NH 03223  
(603) 726-8902

Michael A. Bowers  
Blandy Experiment Farm  
University of Virginia  
P. O. Box 175  
Boyce, VA 22620  
(703) 837-1758 Campus



Robert W. Hastings  
Turtle Cove Biological Research Station  
P. O. Box 814  
S.E. Louisiana University  
Hammond, LA 70402  
(504) 549-2033

Jennifer M. Shay  
Delta Marsh  
University of Manitoba  
Winnipeg, Manitoba  
Canada R3T 2N2  
(204) 474-9297 Campus  
(204) 274-2106 Station

Stephen P. Havera  
Illinois Natural History Survey  
P. O. Box 599  
Havana, IL 62644  
(217) 333-6830 Campus  
(309) 543-3950 or 3105 (Station)

Richard L. Wyman  
E. N. Huyck Preserve  
and Biological Research Station  
P. O. Box 188  
Rensselaerville, NY 12147  
(518) 797-3440

Program Committee - Kenneth B. Armitage, chairman

Kenneth B. Armitage  
Experimental & Applied Sciences  
Division of Biological Sciences  
University of Kansas  
Lawrence, KS 66045  
(913) 864-3286 Campus  
(913) 843-8573 Lab

Peter Connors  
Bodega Marine Lab and Reserve  
University of California  
Bodega Bay, CA 94923  
(707) 875-2211

John Janovy  
Cedar Point Biological Station  
School of Life Science  
University of Nebraska  
Lincoln, NE 68588-0118  
(402) 472-2720 or 2754 Campus  
(308) 284-6501 Station

Paul Siri  
Bodega Marine Lab  
University of California  
P. O. Box 247  
Bodega Bay, CA 94923  
(707) 875-2211

AIBS Representative

Jerome G. Rozen, Jr.  
American Museum of Natural History  
Central Park West at 79th Street  
New York, NY 10024  
(212) 873-1300

Historian

Robert L. Fisher  
Raystown Field Station  
Department of Biology  
Juniata College  
Huntingdon, PA 16652  
(814) 643-4310 ext. 575 Campus  
(814) 658-3060 Station

Summer Course Brochure Coordinator - Mark Noble (see Admin. & Facilities)

ad hoc Field Station Directory Advisory Committee - George Lauff, chairman

George Lauff  
W. K. Kellogg Biological Station  
Michigan State University  
3700 East Gull Lake Dr.  
Hickory Corner, MI 49060  
(517) 353-9445 Campus  
(616) 671-2323 or 671-2356 Station

Joe Merritt  
Powdermill Nature Reserve  
Star Route South  
Rector, PA 15677  
(412) 593-2221

Alan Grundman (see Admin. & Facilities)  
Mark Paddock (see Education)  
Richard Wyman (see Research)

James Pratt (see Admin. & Facilities)  
Jennifer M. Shay (see Research)

ad hoc Brochure Committee - Laura Carter, chairman

Laura S. Carter, Bd. Directors  
Huyck Preserve and  
Biological Research Station  
81 Oakview Terrace  
Short Hills, NJ 07078  
(201) 564-7697 Campus

Nevin Aspinwall  
St. Louis University Biology  
Reis Biological Station  
3507 Laclede Avenue  
St. Louis, MO 63103  
(314) 658-3902 Campus  
(314) 786-8313 Station

Dennis Johns  
Rocky Mountain Biological Lab  
P.O. Box 1235  
Crested Butte, CO 81224  
(303) 349-7231

Kenneth B. Armitage (see Program)

ad hoc Constitution and Bylaws Committee - Richard T. Hartman, chairman

Richard T. Hartman  
Pymatuning Lab Ecology  
University of Pittsburgh  
Rt. 1 Box 7  
Linesville, PA 16424  
(412) 624-4278 Campus  
(814) 683-5813 Station

Richard W. Coles  
Washington University  
Tyson Research Center  
P. O. Box 258  
Eureka, MO 63025  
(314) 938-5346

David F. Parmelee  
Itaska Biology Program  
349 Bell Museum  
University of Minnesota  
Minneapolis, MN 55455  
(612) 624-0025

George Lauff (see Advisory)

Jerome G. Rozen, Jr. (see AIBS)

OBFS Slide Show - John Janovy (see Program)

**B. COMPARISON OF FEES AT BIOLOGICAL FIELD STATIONS.** Rates are weekly unless otherwise stated. NA - not available or not applicable. Survey was conducted of OBFS members by Dr. James L. Wolfe, Archbold Biological Station, in January 1986.

Institution	Location	Affiliation	Dorm Room	Cottage	Meals	Other
Archbold Biological Station	Lake Placid, Florida	Private	36-48	120-150	50	Station fee 12, work table 6, vehicles, boats available at varying rates.
Jasper Ridge Biol. Preserve	Stanford, California	Stanford	35	NA	NA	
Hastings Reservation	Carmel Valley, California	Univ. of Calif. at Berkeley	21	NA	NA	Group day visits 15/group, maximum group size 30 people
Mountain Research Station	Nederland, Colorado	Univ. Colorado, Boulder	NA	40-54	84	Station fee 12, fee for lab space negotiated on individual basis.
Churchill Northern Studies Center	Churchill, Canada	Private	155	210	105	Room and board package 224 in summer. Lab space 50
Rice Creek Field Station	Oswego, New York	SUNY Oswego	50	NA	72	
Highlands Biological Station	Highlands, North Carolina	Private	32	NA	NA	Station fee 15, research room 25
Powdermill Nature Reserve	Rector, Penn.	Carnegie Museum	NA	70	NA	Conference - dining facility which sleeps 13 available for 20/night
Pymatuning Laboratory of Ecology	Linesville, Penn.	Univ. Pittsburgh	21	NA	40	Rooms not available without board. Flat fee for both is 55. Lab fees negotiable.
Hancock Biological Station	Murray, Kentucky	Murray State University	10	NA	70	Meals only by special arrangement with University food service. No lab fees for occasional use. 140/week for long-term grant supported projects.
University of Michigan	Douglas Lake, Michigan	University of Michigan	NA	NA	NA	Room and board approximately 80. Use of research facility and equipment 35 (non-UM, unfunded) or 70 (non-UM funded)
Rocky Mountain Biological Laboratory	Gothic, Colorado	Private	30-35	70-130	65	Research fees and space range from 4.50/day upward depending upon use facilities
Malheur Field Station	Princeton, Oregon	Oregon Consortium	42-49	NA	77	Laboratory fee-35
Southwestern Research Sta.	Portal, Arizona	American Museum	81*	126*	See other	*Cottage and room rates include meals. Amounts given are single rates. Additional persons in cottages at lower rates. Station fee 12,
Bermuda Biological Station for Research, Inc	Ferry Reach, Bermuda	Private	196	266-399	147	Facilities fee - students and assistants 125, senior investigators 245
Kanansaskis Centre for Environmental Research	Kanansaskis Valley, Alberta, Canada	Univ. of Calgary	31-70	84-221	70-158	Facilities fee 17.50 - 35. Monthly housing rates lower
University of Montana Biol. Station	Flathead Lake, Montana	University of Montana	42	38	70	Fee for lab space 25
Bamfield Marine Station	Bamfield, B.C., Canada	Canadian University Consortium	34-44	184-277	126	Fee for research space 56
University of Oklahoma Biol. Station	Lake Texoma	University of Oklahoma	55	55	*	*Board included in housing cost. Social fee 10/wk.
W. K. Kellogg Biological Station	Hickory Corners, Michigan	Michigan State	44	75	70	Laboratory fee of 100/mo. may be waived at discretion of Director

# Bodega Marine Laboratory

UNIVERSITY OF CALIFORNIA, BODEGA BAY, CALIFORNIA



Bodega Marine Laboratory (BML) at Bodega Bay is an Organized Research Unit of the University of California and is administered by the Davis campus. Located on the outer coast of Bodega Head in Sonoma County, this area offers a remarkably diverse array of coastal habitats available for study within a small area. Intertidal habitats include exposed and semi-protected sandy beaches, salt marshes, small estuaries, an excellent rocky intertidal shoreline with tidepools, and the extensive mud and sandflats of Bodega Harbor. Marinas within the harbor provide good float and piling communities for study, and bays and the ocean are available for boat work. Terrestrial habitats on Bodega Head include dune-strand areas, coastal prairie, small riparian woodland, and freshwater marshes.

Bodega Harbor and Bodega Head present some of the most scenic aspects of the beautiful Sonoma County coastline. State and county parks occupy most of the land stretching from Bodega Bay to the Russian River Valley 10 miles north. A coastal terrace of open grassland gives way to forests of redwood and other native trees in the hills and valleys immediately inland. The Bodega Bay area is widely known for the number and diversity of its migratory and wintering bird populations, and herds of deer are common on Bodega Head, along with other wildlife species. Harbor seals, California sea lions, and California grey whales frequent the surrounding waters. Funded by a grant from the National Science Foundation, the Laboratory opened in 1966. A second building was added in 1977 to support research in

aquaculture. Bodega Marine Laboratory operates year round and offers facilities for research and teaching in marine biology and related fields. Facilities consist of 48 laboratories and research offices and a complement of modern equipment for work in biochemistry, biophysics, cell biology, physiology, genetics, microbiology, aquaculture and fisheries, ecology, botany, zoology, and marine geology. Most laboratories are supplied with running water which is pumped directly from the ocean. Two well-equipped teaching laboratories with sea water tables accommodate a total of 40 students. The Laboratory is located on Bodega Marine Reserve, one of 26 research preserves of UC's Natural Reserve System. Bodega Marine Reserve restricts access to only BML-authorized scientists and students.

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## Research Programs

BML has a history of conducting research in a setting that draws on the complementary strengths of both basic and applied research. Most research can be categorized into these areas: population biology/ecology, organismal biology, and aquaculture and fisheries. Currently there are approximately thirty UC scientists who have active laboratories at BML. About thirty graduate students conduct research on the site and the Laboratory hosts an average of twenty visiting scientists a year.

Investigators and current graduate students wishing to perform research at BML should send in the attached application with a letter outlining their proposed research. There are no fees to UC users for space. Minimal fees for non-UC users are dependent on space requirements, equipment, and supplies.

Bodega Marine Laboratory does not grant graduate degrees. Inquiries concerning graduate programs in marine biology or aquaculture and fisheries should be addressed to an appropriate graduate admissions office at any University of California campus.

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## Academic Programs

**Seminar Program.** The Laboratory maintains a weekly seminar that hosts scientists or graduate students who describe their research. Seminar speakers are recruited from throughout the country and occasionally from BML or the UC campuses. This seminar is usually held on Thursdays at 3:30 p.m. but can be scheduled on other days if necessary.

**Distinguished Lectures.** Twice a year the Laboratory hosts an eminent scientist for visits of up to one week. While at BML these distinguished speakers give one or two lectures and meet with students and scientists from the Laboratory, and from the Davis and Berkeley campuses.

**Annual Symposium.** Once a year a topic of scientific importance is discussed in a workshop setting at BML. Leading scientists working in this area are brought to the Laboratory to participate in this symposium with the results being published as a monographic series.

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## Instructional Program

The Laboratory houses intensive courses in undergraduate instruction throughout the year. Students reside in an onsite residence facility. BML courses are sponsored by individual departments throughout the UC system. Summer session classes are open to qualified undergraduates and graduate students from any institution and to professional scientists and teachers. In 1986-87 the following courses were offered:

### Fall Quarter

#### Experimental Aquaculture

UC Davis, Department of Animal Science

#### Marine Biology Quarter

UC Los Angeles, Department of Biological Sciences

### Spring Quarter

#### Problems in Marine Biology

UC Davis, Division of Biological Sciences

UC Berkeley, Department of Biology  
UC Santa Cruz, Biology Board of Studies

### Summer Session

#### Marine and Coastal Field Ecology

UC Davis, Division of Environmental Studies

#### Biology of Marine Invertebrates

UC Berkeley, Department of Zoology

The Laboratory is also used by many non-UC institutions for short-term courses. For a current announcement of course offerings, fees, and housing costs, please call or write the Laboratory.



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## Facilities and Laboratories

**Seawater System.** A pumphouse located in the intertidal of Horseshoe Cove delivers up to 1,000 gpm of very high quality seawater to reservoirs located above each building. Unfiltered or sandfiltered seawater is then gravity fed to research laboratories, classrooms, and aquaria. Approximately 500 gpm of seawater can be delivered between 5 and 20°C. Seawater filtered to 1 micron is also available.

**Aquaria.** Numerous aquaria, ranging in size from 5 to 50 gallons, are available to researchers and students. Water tables are located in many laboratories including rooms with controlled photoperiod that have tanks up to 1,000 gallons. Two 1,000 gallon tanks have tidal mechanisms. Large outdoor tanks and ponds are also available, in addition to six 1,500 gallon raceways (two have windows for behavioral observations). Three walk-in environmental rooms have running seawater and controlled photoperiod.

**Freshwater System.** Researchers have access to 100 gpm of unchlorinated freshwater filtered to 1 micron for anadromous fish studies or to mix salinities. This system can provide water temperatures from 5 to 20°C. A pathology wet lab can use either seawater or freshwater in a disinfection system to allow studies of microbiological pathogens.

**Computer Facilities/Data Base.** A PDP-1173 with a 30 mbyte hard disk, tape drive, and plotter is available for shared use in a multi-tasking system. Numerous microcomputers on a local area network are available for use by both students and researchers. A full-time programmer/analyst is available for consultation. An automated data acquisition system records oceanographic and meteorological data. BML maintains and expands synoptic collections of marine invertebrates, fish, shorebirds, and marine mammals.

**Shop Facilities.** A fully staffed machine and welding shop can fabricate research apparatus or make equipment repairs. Students and researchers can construct their own apparatus in a shared student shop.

**Electron and Light Microscopy.** Scanning and transmission electron microscopy facilities are well equipped and a technician is available for training users. Numerous compound and dissecting microscopes, some with fluorescence, can be used by visitors and

students. Microphotographic and video equipment are also available.

**Diving Facilities.** Qualified divers can use BML diving facilities. SCUBA tanks and air are housed in an air station while an adjoining diving locker provides individual locker space for twenty divers. The diving locker has four showers and two dressing rooms. Two other showers are located in the Marine Science Building. Trailable boats from 13 to 20 feet with outboard engines can be used after an initial checkout by the BML Launchmaster.

**Research Vessel SUSAN K.** A 42 foot Grand Banks trawler is equipped with a hydraulic A-frame with 1,500 feet of stainless  $\frac{5}{16}$  inch cable. A starboard davit deploys lighter gear. The SUSAN K has a full complement of navigational electronics including RADAR, LORAN C, and color sounder. BML operates the SUSAN K from San Francisco Bay to Eureka with a complete inventory of safety gear and an experienced captain and crew. The Laboratory maintains an inventory of collecting and sampling gear including a CTD meter.



**Image and Acoustic Analyzer.** A dedicated computer system of data acquisition, analysis, and synthesis allows researchers to process a broad range of analog and digital signals. Advanced imaging technology provides quantitative analyses of visual data from microscope observations or video cameras. Data signals varying from low frequency underwater acoustic waves to high frequency radar waves can be characterized using the acoustic-analyzing portions of the system.

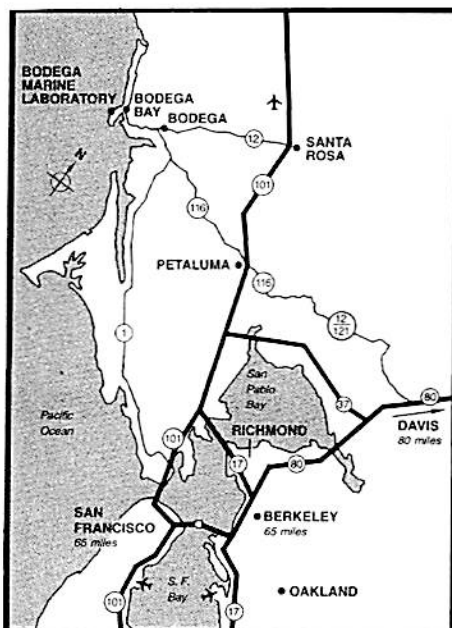
## Library

The Library houses a research collection developed to support the research and instructional needs of the scientific programs at the Laboratory. The collection is available to all faculty, researchers, students, staff, and visiting scientists who are stationed at the Laboratory. The Library is open 24 hours a day and there is an academic librarian present from 8 a.m. to 5 p.m. Monday through Friday.

In addition to the monograph collection and 90 journal subscriptions, the Library has several special collections that include a non-circulating reference collection, theses and dissertations by BML graduate students, Sea Grant publications, and student reports dating back to 1946.

Library services include: inter-library loans, current awareness, book and journal purchases, and monthly acquisition lists. The librarian assists the BML instructional program with class preparation, including: preparing bibliographies and reading lists; giving orientation talks and tours; setting up class reference materials; and consulting with students and instructional staff about technical writing style, format, and publication policies.

Computerized literature searches are available in over 200 databases including *Biological Abstracts*, *Chemical Abstracts*, *Aquatic Sciences & Fisheries Abstracts*, and the *Science Citation Index*. The BML Library has an account with the UC online catalogue, MELVYL. This database provides access to catalogue records of approximately 5.1 million monographs and 1.1 million serial titles held by UC libraries.



## Accommodations

Bodega Marine Laboratory has a limited housing facility for students and visitors. Admission to a BML course assures a place in laboratory housing for students. Visitors should inquire well in advance for future housing reservations.

Dormitory I consists of 8 alcoves, each with two beds, bureaus, and closets, and communal bathrooms. Dormitory II contains 12 semi-private rooms each with two beds, bureaus, closets, and desks, and a private bath.

The Hostel can accommodate visiting classes and several visitors when BML classes are in session. A separate apartment can accommodate visitors for periods up to a few months.

Meals are served during class sessions in a small dining hall attached to Dormitory I. Linens are provided for overnight visitors and laundry facilities are available.

*Pets Are Prohibited*

## Public Visiting Hours

The Laboratory and the Reserve are not open to the public; however, a docent-guided tour is available to drop-in visitors from 2:00 to 4:00 p.m. on Fridays (except holidays). Visitors must stay with the docents and are not permitted to walk on the Reserve.

Group tours may be scheduled Mondays through Thursdays only between 8:00 a.m. and 5:00 p.m. Reservations should be made no sooner than 6 weeks and no later than 4 weeks in advance. Tour size is limited to 45 adults or 30 children. Groups of children, 8 years and younger, are not recommended for this tour. The tour fee is \$.50/person. Tours take approximately 1 to 1 1/2 hours.

## Location

The nearest town is the small fishing village of Bodega Bay, located on State Highway 1 about three miles from the Laboratory. Bodega Bay is 80 miles west of Davis and 65 miles north of Berkeley and San Francisco. The nearest bus depots are in Petaluma and Santa Rosa. Travelers without automobiles can arrange to be picked up by contacting the Laboratory in advance. The Laboratory phone number is (707) 875-2211.

# Bodega Marine Laboratory

## Application for Research Facilities

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Academic Title: \_\_\_\_\_

BML Sponsor (if any): \_\_\_\_\_

Home Institution: \_\_\_\_\_

Department: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Highest degree received: \_\_\_\_\_ Where: \_\_\_\_\_

Year obtained: \_\_\_\_\_ Field of study: \_\_\_\_\_

Dates for which you are requesting space: From \_\_\_\_\_ to \_\_\_\_\_

Housing at BML is limited, but may be available for short-term use. Would you like to receive more information on housing at BML and the local area?  Yes  No

### What Are Your Research Needs?

Will your research involve collection of organisms from the reserve?

Yes  No Please specify organisms to be collected: \_\_\_\_\_

### Laboratory Needs

- |   |   |
|---|---|
| <input type="checkbox"/> Bench space              | <input type="checkbox"/> SCUBA/Lockers                    |
| <input type="checkbox"/> Desk space               | <input type="checkbox"/> Dissecting microscope            |
| <input type="checkbox"/> Seawater table           | <input type="checkbox"/> Compound microscope              |
| <input type="checkbox"/> Temperature control room | <input type="checkbox"/> Transmission electron microscope |
| <input type="checkbox"/> Research vessel/boats    | <input type="checkbox"/> Scanning electron microscope     |
| <input type="checkbox"/> Aviary                   | <input type="checkbox"/> Greenhouse                       |

Indoor and/or outdoor holding tanks (size & number): \_\_\_\_\_

Special lab & sampling equipment needed: \_\_\_\_\_

Specific glassware: \_\_\_\_\_

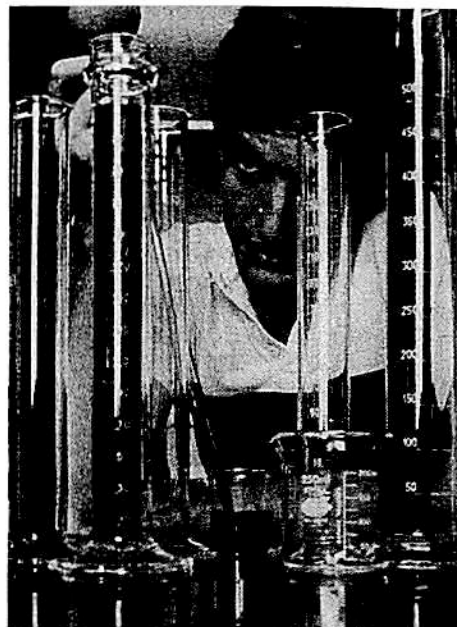
Specific chemicals & supplies: \_\_\_\_\_

Radioisotope usage:  Yes  No

**Please return this form 3-6 months prior to your planned arrival to:**

Bodega Marine Laboratory  
P.O. Box 247  
Bodega Bay, CA 94923

**For further information, please call (707) 875-2211**



### Federal Requirements

In accordance with applicable State and Federal laws and University policy, the University of California does not discriminate in any of its policies, procedures, or practices on the basis of race, color, national origin, religion, sex, sexual orientation, handicap, age, veterans status, medical condition (as defined in Section 12926 of the California Government Code), ancestry, or marital status; nor does the University discriminate on the basis of citizenship, within the limits imposed by law or University policy.

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## OBFS

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\* Numbers listed only ones on file

**V. OBFS LOGO SEARCH:**

OBFS is in need of a logo. Please submit your ideas in the form of a rough schematic diagram to J.F. Merritt. If you plan to attend the 1987 annual meeting at Bodega Bay Marine Laboratory, bring along your ideas and/or illustrations so members of OBFS can begin to formulate a suitable logo.

**VI NEW MEMBERS-- WELCOME TO OBFS!**

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Dr. David C. Mahan Station membership  
Au Sable Institute of Environmental Studies  
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Dr. John C. Odgen Station membership  
West Indies Laboratory  
Fairleigh Dickinson University  
Teague Bay, St. Croix  
U.S. Virgin Islands 00820

Dr. Donald E. Stone Station membership  
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