

**Organization of
Biological Field Stations**

**Newsletter
No. 64
May 1997**



OBFS News

The Newsletter of the Organization of Biological Field Stations • May 1997
 Editor: David S. White, Hancock Biological Station

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OBFS Home Page <http://jasper.stanford.edu/OBFS/>

RESULTS OF "Ye Olde Official OBFS Ballotte," 1997-1998

Ron Lawrenz of the St. Croix Watershed Research Station was elected Executive Committee Member-at-Large for the two-year term beginning January 1997. OBFS wishes to express its sincere thanks to Mark Stromberg, Hilary Swain, and Rick Wyman (who also ran as candidates) for their willingness to serve in the

organization. In a close ballot, David White was elected Editor for the Newsletter -- White ran unopposed. Other members of the Executive Committee and Committee Chairs can be found on the front page of the Newsletter. Email addresses for all can be found in the January 1997 newsletter .

WELCOME NEW MEMBERS

The Organization of Biological Field Stations welcomes the following members who have joined since our last Newsletter in January. Each new member has been included in the up-dated mailing list included at the end of the Newsletter.

NEW STATION MEMBERS

Cochrane Wildlife Reserve
Clio Smeeton
PO Box 484
Cochrane, Alberta
T0L 0W0 CANADA

Great Rivers Field Station - LTRM 26
Dr. Timothy B. Mihuc
Illinois Natural History Survey
4134 Alby Street
Alton, IL 62002

Isla Ometepe Field Station - Nicaragua
Dr. Paul A. Garber
109 Davenport Hall
University of Illinois
Urbana, IL 61801

Pigeon Lake Field Station
Fred Reetz
University of Wisconsin
Route 1, Box 187
Drummond, WI 54832

Red Butte Garden and Arboretum
Dr. Barbara Bentley
University of Utah
18A de Trobriand Street
Salt Lake City, UT 84113-5044

Savannah River Environmental Field Station
Dr. Ambrose O. Anoruo
South Carolina State University
300 Orange Street, PO Box 7411
Orangeburg, SC 29117

Wind River Canopy Crane Research Facility
David Shaw
1262 Hemlock Road
Carson, WA 98610

Robinson Forest, University of Kentucky
Dr. Dwayne Turner
125 Robinson Rd.
Jackson, KY 41339

NEW INDIVIDUAL MEMBER

Dr. Luther Brown
Bahamas Environmental Research Center
(BERC)
George Mason University
Center for Field Studies, 214 JC MSN 5D3
Fairfax, VA 22030-4444

DIRECTORY UPDATE

Mark Stromberg is nearing completion of a new OBFS Directory. Seventy stations have now submitted a completed directory form. He urges anyone who has not yet submitted the directory information to do so. A printed directory will go to press sometime in July. If need be, Mark can send a floppy with the form on it.

If members want to see the web page version (it can be viewed with today's software), contact Mark. The web site version of the directory will be continually updated and can be seen at <http://jasper.stanford.edu/OBFS/>. Mark's email address is stromber@socrates.berkeley.edu

IOBFS

Rick Wyman and the International Committee of OBFS, have developed an informal IOBFS newsletter and compiled an international directory of field stations. The newsletter contains a number of field station web pages, international meeting dates, a profile of the Ecological Research Station of Uppsala University, and a proposal for creating 'sister

stations' between OBFS members and international sites. The directory lists basic information on approximately 100 field stations in Africa, the Americas, Asia, Australasia, and Europe. Contact Rick Wyman at the Huyck Preserve and Biological Research Station for copies of either the newsletter or the directory: rlwyman@capital.net.

OBFS DISPLAY

The OBFS display has been repaired, and, according to Nina, it is in excellent condition. The display is available for meetings and is a very good way to advertise the activities of OBFS and the importance of field stations in research and teaching. This summer the display can be seen at the annual meetings of the North American Benthological Society and the Ecological Society of America. The display may be reserved by contacting Nina Consolatti,

Facilities Coordinator, Kellogg Biological Station, Michigan State University, 3700 East Gull Lake Drive, Hickory Corners, Michigan 49060. Phone: 616/671-2228; Email: Consolatti@kbs.msu.edu. Contact Nina also for special information on shipping and handling the display. Remember, OBFS will reimburse you for the costs of mailing.

DATA WORKSHOP AND SPECIAL SESSION AT THE ECOLOGICAL SOCIETY OF AMERICA IN AUGUST 1997

To OBFS members from Jack Stanford

At our annual meeting last year in the White Mountains we decided to begin working on mechanisms to network OBFS member stations for sharing data and other information. To get us substantially down that road, I am pleased to tell you that OBFS will co-sponsor a workshop ("Data and Information Management in the

Ecological Sciences," organized by Jim Gosz, Art McKee, Bill Michener and John Porter) and a special session ("Long-Term Research in Ecology: Cross-Site Collaborations for the Future" which I helped organize). Both the workshop and the special session on data management are to be held in Albuquerque, NM in association with the Ecological Society of America (ESA) annual meeting in early August.

The purpose of the workshop is to provide basic training on information management, protocols for data archiving and relevant technology. The workshop is designed for station data managers.

The special session is to help us begin to understand what kinds of long-term data we should be gathering to advance ecological research and monitoring and how we might coordinate our activities with the LTER network. Note that this session involves several OBFS people as speakers. They will present original information from their stations and also summarize what OBFS member stations are doing within the various subject categories. This session is for station directors (or representatives) and data managers.

The workshop is August 8-9, prior to the ESA meeting. The special session of the ESA meeting is on August 10, the day before the main ESA meeting begins. Details for the workshop and the special session are provided as attachments. I plan to stay for the entire period (workshop, special session and ESA meeting) and I hope you can do the same.

I want very much to see a critical mass of OBFS people at both the workshop and the special session. These meetings will provide the groundwork for getting all OBFS stations up to speed on data management, which has been a long-term goal of OBFS. I hope you share the strong feelings I have about vastly raising the OBFS visibility at all levels, especially funding sources, by the networking process.

The workshop will be especially informative for those stations that are collecting data (or are sitting on hard copies of ecological data accumulated through the years), but have not moved to electronic management or are just getting started. The workshop will also be a chance for OBFS data managers to get to know each other and initiate an association that will be important to our networking plans.

The workshop attachment announces that the organizers are able to augment airfares for up to 50 participants with funding from the National Science Foundation. I urge you to apply for that support today, because it likely will be awarded on a first-come, first-served basis.

You can get information about the regular ESA meeting in the Spring 1997 ESA bulletin or via esahq.esa.org. You can register for the meeting via email or write to:

Ecological Society of America
ATTN.: Annual Meeting Registration
2010 Massachusetts Avenue, NW.
Suite 400
Washington DC. 20036
ph 202-833-8775
fx 202-833-8773.

The venue for the ESA meeting is the Albuquerque Convention Center which is downtown. However, the workshop and the special session both are on the University of NM campus. I am not certain of the logistics, but likely the best bet is to stay in a downtown hotel near the Convention Center (e.g., DoubleTree, Hyatt, La Posada, Plaza Inn). The workshop organizers also will have more information for you when you register for the workshop using the attached form. Do that as soon as possible.

There will be a half-day follow-up session at our OBFS meeting in Oregon in September to get those that could not come to Albuquerque up to speed and to determine what our next networking steps should be.

ANNOUNCEMENT and WORKSHOP APPLICATION FORM

UPCOMING WORKSHOP: "Data and Information Management in the Ecological Sciences" Sponsors: The National Science Foundation, Organization of Biological Field Stations, Long-Term Studies Section of the Ecological Society of America

DATE: August 8-9 (Friday and Saturday) 1997, prior to the Ecological Society of America's annual meeting.

***** Note:** The workshop is being held in conjunction with a joint meeting of LTER Program, Association of Ecosystem Research Centers, Organization of Biological Field Stations, and Long-Term Studies Section of ESA, Sunday, August 10, 8 am to 5 pm.

LOCATION: University of New Mexico campus, Albuquerque, NM

WORKSHOP ORGANIZERS: James Gosz (University of New Mexico), Arthur McKee (Oregon State University), William Michener (J.W. Jones Ecological Research Center), and John Porter (University of Virginia)

OBJECTIVES AND TARGET AUDIENCE: Workshop objectives are to introduce attendees to data and information management concepts, protocols, and relevant technology. Topics to be covered during the workshop reflect needs that were identified at the 1996 meetings of the Organization of Biological Field Stations (OBFS) and the Ecological Society of America's Long-Term Studies Section (ESA-LTSS). The target audience for the workshop includes representatives of field stations and marine laboratories (e.g., members of OBFS), individuals or organizations engaged in long-term ecological studies (e.g., members of ESA-LTSS), and individuals directly involved in the management of ecological data and information (e.g., data/information managers associated with the Long-Term Ecological Research Network, many of whom will participate in training activities). The targeted size of the workshop is 100 individuals (50 OBFS representatives; 50 ESA members).

WORKSHOP CONTENT: Workshop content has primarily been directed to meet needs expressed by attendees at the 1996 annual meetings of OBFS and ESA's Long-Term Studies Section. Training topics include:

1. "Data management: basic issues and concepts"
2. "Technological underpinnings: I. hardware"
3. "Technological underpinnings: II. software"
4. "Communication and networking strategies"
5. "Data entry"
6. "Quality assurance/quality control"
7. "Scientific databases"
8. "Metadata"
9. "Data archival"
10. "World Wide Web"
11. "Examples of site implementation"

12. "Climate data workshop I: hardware and connectivity, etc."
13. "Climate data workshop II: data management issues"
14. "Data analysis and scientific visualization tools"

It is anticipated that several additional topics (e.g., site data administration, funding, future needs) will emerge during roundtable discussions and breakout sessions.

TRAINING COORDINATORS: Most instructors have more than ten years experience with various aspects of ecological data and information management. The current list of workshop instructors includes:

Barbara Benson - Data Manager, North Temperate Lakes LTER, University of Wisconsin, Madison, WI; Caroline Bledsoe - Associate Professor, University of California, Davis, CA; Karen Baker - Data Manager, Palmer LTER Site, University of California, San Diego, La Jolla, CA; John Briggs - Co-PI and Data Manager, Konza Prairie LTER Site, Kansas State University; Scott Chapal - Computer Operations and Network Manager, Jones Ecological Research Center, Newton, GA; Don Edwards - Professor, Department of Statistics, University of South Carolina, Columbia, SC; James Gosz - Professor of Biology, University of New Mexico, Albuquerque, NM; John Helly - Senior Staff Scientist, San Diego Supercomputer Center, University of California, San Diego, La Jolla, CA; Don Henshaw - Data Manager, Andrews Experimental Forest LTER, Oregon State University, Corvallis, OR; Arthur McKee - Director, Andrews Experimental Station, Oregon State University, Corvallis, OR; Doug Moore - Climate Research Specialist, Sevilleta LTER Site, University of New Mexico, Albuquerque, NM; William Michener - Associate Scientist, Jones Ecological Research Center, Newton, GA; Rudolf Nottrott - Network Manager and Systems Administrator, LTER Network Office, University of Washington, Seattle, WA; Dick Olson - Senior Scientist, Oak Ridge National Laboratory, Oak Ridge, TN; John Porter - Research Assistant

WORKSHOP APPLICATION FORM:

Name: _____

Organization: _____

Address: _____

Email: _____

Phone: _____

Fax: _____

Is your institution affiliated with the Organization of Biological Field Stations (OBFS) (yes/no) ? _____

Travel awards can be used to defray air travel costs associated with 50 OBFS members; Do you wish to be considered for an OBFS travel award (yes/no) ? _____

If yes, what is the estimated round trip air cost between point of departure and Albuquerque ?
\$ _____

*** Note: travel awards can only be used for airline tickets. A total of 50 travel awards averaging \$200 are available for OBFS members.]

Please return filled in form to:

William Michener
Jones Ecological Research Center
Route 2, Box 2324
Newton, GA 31770
Fax: 912-734-4707
Email (preferred): wmichene@jonesctr.org

NOTES:

- (1) In lieu of filling out the above form, you may go directly to the on-line Web form at <http://www.vcrlter.virginia.edu/datawrk97.html>
- (2) Participation in the workshop is limited to 100 individuals. Please sign up early, but only if you are firmly committed to attend.
- (3) Additional electronic mailings will be forthcoming to all applicants.

Professor, University of Virginia, Charlottesville, VA; Susan Stafford - Professor and Director (Quantitative Sciences Group), Dept. of Forest Science, Oregon State University, Corvallis, OR; Hilary Swain - Executive Director, Archbold Biological Station, Lake Placid, FL

Workshop format will vary by topic and may consist of formal presentations followed by informal discussion, demonstrations, or hands-on activities. Several topics will be addressed in breakout sessions to maximize participant involvement. In some instances, sessions will run concurrently to facilitate discussion and/or promote hands-on experience.

ESA SPECIAL SESSION AGENDA

ESA SPECIAL SESSION: Long term research in Ecology: Cross-site collaborations for the future. Organized by the presidents of the Association for Ecosystem Research Centers (Tim Seastedt), Long Term Studies Section of ESA (John Porter), Organization of Biological Field Stations (Jack Stanford) and the Chairman of the LTER Network (James Gosz).

Agenda: Sunday, August 10, 1997

8:00 Continental Breakfast & Meeting for Keynote Speakers

8:30 Keynote Address: "Integrating Long Term Research: A National Effort" (Jerry Melillo, Assoc. Dir. for Environment, White House); Gosz introduction

9:00 Keynote speakers on Session Themes

9:00 - 9:20 "Biodiversity and Ecosystem Function" J. Stanford (OBFS): "Measuring and contrasting biological diversity in relation to ecosystem functions and social processes in large regional ecosystems"

9:20 - 9:40 "Regionalization" D. Foster (LTER): "Regional studies in Ecology: The need to scale-up"

9:40 - 10:00 "Climate Dynamics and Ecological Processes" Ron Neilson (AERC): "Vegetation Responses to Climate Change: Results from VMAP"

10:00 - 10:20 "Information Management" W. Michener (LTSS/ESA): "Advances in Information Management and Metadata Development for Ecological Data"

10:20 - 10:30 Summary

10:30 Break

11:00 Concurrent Sessions on Themes:

Each of these talks will discuss examples of activities/programs represented within the organization that are relevant to the theme. These can vary from descriptions of well detailed efforts to the need for organizing efforts to get the member institutions involved and collaborating.

Biodiversity and Ecosystem Function Session 4, 20 minute talks; 1 each from AERC, ESA, LTER, OBFS. Session summary (10 min.)

Diana Freckman (AERC): "International studies and initiatives on soil biodiversity and ecosystem function"

Ron Carroll (LTSS/ESA): "Biodiversity and ecosystem function activities of the ESA"

Bob Waide (LTER): "The importance of biodiversity on similar processes in dissimilar ecosystems"

Philippe S. Cohen (OBFS): "Long-term measures of biodiversity at the Jasper Ridge Biological Preserve, Stanford University, and other OBFS member stations"

Regionalization Session 4, 20 minute talks; 1 each from AERC, EPA, LTER, OBFS. Session summary (10 min.)

Lindsay Boring (AERC): "Ecosystem science in the private sector: developing a program in the southeastern coastal plain"

Steve Paulsen (EPA): "Regionalization for Assessment: A research monitoring perspective"

Indy Burke (LTER): "Moving from long-term to large-scale: Regional analyses of ecosystem structure and function by LTER programs"

Thomas M. Frost (OBFS): "Regionalizing long-term ecological research at the Trout Lake Biological Station, University of Wisconsin, and other OBFS member stations"

Climate Dynamics and Ecological Processes
Session 4, 20 minute talks; 1 each from AERC,
ESA, LTER, OBFS. Session summary (10 min.)
Ron Neilson (AERC): "Vegetation responses to
climate change: Part II"

Diane Wickland (NASA): (tentative)
"Interannual Biosphere-Atmosphere
Interactions: Research Opportunities"

Bruce Hayden (LTER): "Climate Dynamics and
Ecological Processes: A Decade of Work in
the LTER"

Daniel R. Dawson (OBFS): "Long-term
measures of meteorological conditions and
ecological processes at the Sierra Nevada
Aquatic Research Laboratory, University of
California, and other OBFS member
stations"

Information Management Session 4, 20 minute
talks; 1 each from AERC, ESA, LTER, OBFS.
Session summary (10 min.)

Tim Seastedt (AERC): "Converting Ecosystem
Science to Ecosystem Management: Efforts
to Develop User-Friendly Data and
Information Bases"

Rob Colwell (LTSS/ESA): "Information
management and data archival activities of
the ESA"

Susan Stafford (LTER): "Information
Management: The LTER Experience"

Mark R. Stromberg (OBFS): "Networking
information transfer at OBFS member
stations (Hastings Natural History Reserve,
Carmel Valley, California)"

12:30 Special Luncheon Activity

14:00 Concurrent Theme Workshops .
Each workshop will be led by a panel
representing AERC, LTSS/ESA, LTER,
OBFS and federal agencies. In most cases the
speakers listed above in the concurrent sessions
will be session co-chairs.

Biodiversity and Ecosystem Function
Regionalization
Climate Dynamics and Ecological Processes
Information Management

These workshops will explore ways to develop
increased collaboration among the scientists,
sites, and organizations.

17:00 Social Hour

18:00 ESA Opening Mixer

THE 1997 ORGANIZATION OF BIOLOGICAL FIELD STATIONS MEETING - OREGON INSTITUTE OF MARINE BIOLOGY (OIMB)

Where: Oregon Institute of Marine Biology
When: Thursday Sept. 18 - Sunday Sept. 21,
1997.

The Oregon Institute of Marine Biology
(OIMB) is located on the southern Oregon coast
in Charleston, at the mouth of Coos Bay. Part of
the University of Oregon, the Institute has
offered courses and research opportunities for the
past 70 years. The OIMB web site can be
accessed at <http://darkwing.uoregon.edu/~oimb>
If you need any additional information please
contact Pat Hatzel at OIMB 541-888-2581 or
phatzel@oimb.uoregon.edu

MEETING OUTLINE

The OBFS annual meeting will begin
officially on Thursday Sept. 18th with a
reception and dinner. After a sunrise breakfast
on Friday we will head to the spectacular rocky
intertidal of Cape Arago to view invertebrates
and algae of the eastern north Pacific shore. On
our way home we will stop to see the seals and
sea lions hauled-out at Shell Island. On our
return to OIMB we will begin the business
meeting and presentations. That evening after
dinner we will adjourn to the OIMB boathouse
for the OBFS slide show.

We will conclude our business meeting on Saturday and then travel to the nearby South Slough National Estuarine Research Reserve for the rest of the day. There will be a number of options for the visit. Scientists at the Reserve are pioneering techniques for wetland restoration projects and visits to these sites have been arranged. For those of you with interests in education programs, particularly the K - 12 level, reserve staff will be available to meet with you and show you some of the innovative programs they have developed. In addition we will tour the Slough, either by canoe/sea kayak (a four mile paddle), or on the hiking trails. (We will need people to bring canoes as there are no rentals locally). That evening we will sample local seafood and raise funds for the OBFS endowment with an auction.

OPTIONAL FIELD TRIP

An all day field trip to the Oregon Dunes National Recreation Area has been planned for Thursday Sept. 18th. We will take a 6 mile walk across the dunes to the ocean. Beginning in the coastal forest, we will traverse some open dunes, pass a tree island, and explore the deflation plain before reaching the open beach.

TRAVEL

Horizon Airlines, a partner with Alaska and Northwest, flies to North Bend, 15 minutes from OIMB. We will meet arrivals prior to 4 p.m. if you notify us in advance, after that time taxis can be taken from the airport to OIMB (a \$10 cost).

Eugene is two and a half hours from OIMB, and Portland is five hours away. From both of these cities drive south on Highway 5, take the coastal beaches and Drain exit on to Highway 38 which travels along the Umpqua river. Features to look for along this highway include evidence of debris slides from recent torrential rains, and elk at the elk viewing site just before you reach the town of Reedsport. In Reedsport turn south (left) onto Highway 101 and continue to North Bend, traveling alongside the Dunes NRA. Once you enter North Bend follow the signs for Charleston and the Ocean Beaches. After a

number of turns and traffic lights you will reach the Cape Arago Highway which parallels Coos Bay. After about 5 miles you will cross the bridge over South Slough and enter the village of Charleston. Immediately after crossing the bridge turn right onto Boat basin Drive. Go a half mile and OIMB will be on your left.

San Francisco is an eleven hour drive along Hwy. 101, one of the most scenic highways in the US. If driving from the south enter Coos Bay, follow the Charleston and Ocean Beaches signs until reaching the Cape Arago Highway and then proceed as above.

HOUSING AND MEALS

The OIMB dining hall can feed all meeting participants, however OIMB can house only 50 people. We will fill these on a first come, first serve basis. Housing is in variable units, mostly dorm rooms, some with bunk beds, for 8 -18 people. There will be a few individual rooms available; everyone staying at OIMB must bring bedding, towels and pillows. The alternative is Captain John's motel, just across the street. The telephone number is 541-888-4041.

WHAT TO BRING

If you are staying at OIMB bring a sleeping bag, a pillow, and a towel. September is normally our best weather and temperatures should be in the 60 - 70's. However it can rain at any time on the Oregon coast so you should be prepared. Afternoon winds are common and the beach areas, the dunes and the Slough waters can be cool. Bring layers of clothing and a hat. If you want to keep your feet dry when we go to the intertidal bring rubber boots, otherwise wear an old pair of sneakers and get wet feet. For field trips bring a water bottle and binoculars. If you plan to bring your canoe/kayak please bring along your life jacket.

INFORMING YOURSELF BEFORE VISITING

If you wish to read up on our area before coming to OIMB I suggest the following:

- Abbott, I.A. and C.J. Hollenberg. 1992. *Marine Algae of California*. Stanford Univ. Press.
- Guard, B.J. 1995. *Wetland Plants of Oregon and Washington*. Lone Pine Pub.
- Kozloff, E.N. 1978. *Plants and Animals of the Pacific Northwest*. Univ. of Washington Press.
- Kozloff, E.N. 1993. *Seashore Life of the North Pacific Coast*. Univ. of Washington Press.
- Morris, C.J., D.P. Abbott, and E.C. Haderlie. 1980. *Intertidal Invertebrates of California*. Stanford Univ. Press.
- Pojar, J. and A. MacKinnon. 1994. *Plants of the Pacific Northwest*. Lone Pine Pub. Redmond, WA.
- Ricketts, E. F., J. Calvin, J.W. Hedgepeth, and D.W. Phillips. 1985. *Between Pacific Tides*. Stanford Univ. Press.
- Schultz, S. 1990. *The Northwest Coast: A Natural History*. Timber Press, Portland, OR.

AUCTION

At the last OBFS meeting we initiated the OBFS endowment fund to support OBFS activities. To raise funds for the endowment we plan to hold an auction. Please bring items for the auction - your station's T-shirt or mug; a craft item from your region; the cool poster you have produced or received; natural history books; the new pair of binoculars you got for Christmas, etc.

COSTS

- OBFS Meeting with meals and housing at OIMB: \$190
- OBFS Meeting with meals but no housing at OIMB: \$135
(make your own arrangements with the motel)
- Pre-meeting field trip with meals and housing at OIMB: \$50
- Pre-meeting field trip with meals but no housing at OIMB: \$35

SCHEDULE

Weds. 17th

- 2 - 5 p.m. Field trip attendees arrive
- 5 p.m. Reception
- 6 p.m. Dinner at OIMB

Thurs. 18th

- 7.30 a.m. Breakfast
- 8.00 a.m. Overview of the Oregon Dunes National Recreation Area
- 9.00 a.m. Depart for field trip to Dunes NRA - a 6 mile hike to explore the geology and biology of coastal dunes.
- 2 - 5 p.m. Non-field trip attendees arrive
- 5 p.m. Reception
- 6 p.m. Dinner at OIMB
- 7.30 p.m. Welcome address from OBFS President Jack Stanford and OIMB Director, Lynda Shapiro.
- 8.30 p.m. Executive Committee and Committee Chairs meeting

Fri. 19th

- 6 a.m. Breakfast
- 6.45 a.m. Depart for Cape Arago intertidal trip with OIMB students/faculty
Seal and sea lion viewing
- 11.30 a.m. Lunch
- 12.30 a.m. Business meeting
Panel discussions
NSF Update
- 4.30 p.m. Walking tour of OIMB
- 6.00 p.m. Tuna BBQ at OIMB
- 7.30 p.m. OBFS Slide show - please bring 10 slides from your station.

Sat. 20th

- 7.00 a.m. Breakfast
- 8.00 a.m. Business meeting part 2
- 11.00 a.m. Depart for field trip South Slough National Estuarine Research Reserve.
- 6.30 p.m. Dinner and auction

Sun 21st

- 7.00 a.m. Breakfast
- 8.00 a.m. Unfinished business
- 10.00 a.m. Meeting ends

REGISTRATION FORM

Please return a separate form for each person with a check, payable to OIMB/OBFS Meeting, by August 15, 1997 to : Pat Hatzel, OIMB, P.O. Box 5389, Charleston, OR 97420

Please list the first three lines as you would like them to appear on your name tag

Name:

Title:

Station:

Address:

Telephone:

Email:

Please check appropriate:

OBFS Meeting with meals and housing at OIMB:	\$190	_____
OBFS Meeting with meals but no housing at OIMB: (make your own arrangements with the motel)	\$135	_____
Pre-meeting field trip with meals and housing at OIMB:	\$50	_____
Pre-meeting field trip with meals but no housing at OIMB:	\$35	_____

TOTAL \$ _____

Please detail any specific dietary requirements (e.g. vegetarian or vegan meals, dairy intolerance, etc.) or other comments and we will do our best to accommodate you.

To help us with planning for the field trips please answer the following:

Will you be driving to OIMB: Yes ___ No ___ If yes, number of spare seats in car: _____

Will you bring a canoe: Yes ___ No ___

Registration form for
1997 OBFS meeting

please return by

August 15, 1997

THE OBFS NEWSLETTER

OBFS News is edited by David White and Cheryl Carr and printed at Murray State University. Items for inclusion in the newsletter can be mailed to the Hancock Biological Station, 561 Emma Drive, Murray, KY 42071 or sent via

email to dwhite@msumusik.mursuky.edu or carrc03@msumusik.mursuky.edu. Email addresses after 1 September 1997 will be david.white@mursuky.edu and cheryl.carr@mursuky.edu

MAILING LIST OF OBFS MEMBERS

The following mailing list has been formatted for Avery # 5161 labels.



Robinson Forest, University of Kentucky
Dr. Dwayne Turner
125 Robinson Rd.
Jackson, KY 41339

Appleton-Whittell Research Ranch
Bill Branan
National Audubon Society
PO Box 44
Elgin, AZ 85611

Arnot Teaching and Research Forest
Dr. Charles R Smith
Dept of Natural Resources
Cornell University
Ithaca, NY 14853-3001

Bahamian Field Station
Dr Daniel Suchy
c/o Twin Air
1100 Lee Wagener Blvd: Suite 113
Ft Lauderdale, FL 33315

Bard College Field Station
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Bermuda Biological Station for Research, Inc
Dr Anthony Knap
Ferry Reach 1-15
BERMUDA

Blakely Island Field Station
Dr Bruce D Congdon
T B Crowley Laboratory
Seattle Pacific University
Seattle, WA 98119

Bodega Marine Laboratory and Reserve
Dr Peter G Connors
University of California
PO Box 247
Bodega Bay, CA 94923

Brackenridge Field Laboratory
Dr Lawrence Gilbert
Dept of Zoology
University of Texas
Austin, TX 78712

Cascade Head Experimental Forest
Sarah E Greene
Forestry Sciences Laboratory
3200 Jefferson Way
Corvallis, OR 97331

Adirondack Ecological Center
Dr William Porter
Huntington Wildlife Forest
Route 28N
Newcomb, NY 12852

Archbold Biological Station
Dr Hilary Swain
PO Box 2057
Lake Placid, FL 33862

Dr. Luther Brown
Bahamas Environmental Research Center (BERC)
George Mason University
Center for Field Studies, 214 JC MSN 5D3
Fairfax, VA 22030-4444

Bamfield Marine Station
Dr Andy N Spencer
General Delivery
Bamfield, BC
VOR 1B0 CANADA

Belle Baruch Institute for Marine Biology
Dr Madilyn Fletcher
Univ of South Carolina
Columbia, SC 29208

Black Rock Forest
Dr William Schuster
129 Continental Road
Cornwall, NY 12518

Blandy Experimental Farm
Dr Michael A Bowers
Univ of Virginia
PO Box 175
Boyce, VA 22620

Bowdoin Scientific Station
Dr Nathaniel T Wheelwright
Biology: Bowdoin College
6500 College Station
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