

**Organization of
Biological Field Stations**

**Newsletter
No. 68
May 1999**

The Newsletter of the Organization of Biological Field Stations May 1999

Editor: David S. White, Hancock Biological Station

OBFS's NEW Home Page Address <http://www.obfs.org>

Executive Committee

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NEW OBFS OFFICERS

The OBFS election was completed in December right on schedule to start the new 1999-2000 terms. The voter response was good, with 51 votes cast, up from 20 last year and even fewer the year before. The new Member-at-Large is Steve Tonsor. This was a wonderfully close race, obviously indicating the high esteem in which all 3 candidates are held by the membership. Thanks to Carlos de la Rosa and Arnold van der Valk for participating. Steve is replacing Ron Lawrenz, whose term ended in 1998. Many thanks to Ron who has now moved from St. Crois Watershed Research Station to the Science Museum of Minnesota. Editor is David White; Network Coordinator is Mark Stromberg, both unanimous selections.

Station Members

Manomet Center for Conservation Sciences

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Henry S. Conard Environmental Research Area

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UCSD Reserves

Isabelle Kay

Scripps Institution of Oceanography

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La Jolla, CA 92093

Woodlake Environmental Field Station

Elizabeth Whippo Cline

Center for Env. Sci., Tech. and Policy

Cleveland State U, 1899 E. 22nd St, MC 219

Cleveland, OH 44114-4434

Individual Members

Robert K. Colwell Ecology and Evolutionary Biology University of Connecticut Storrs, CT 06269-3042

Kathleen Gibson University of Pittsburgh 13142 Hartstown Road Linesville, PA 16424

Susan Harrison Dept of Environmental Science and Policy University of California Davis, CA 95616-8576

John Helly San Diego Supercomputer Center, MC 0505 9500 Gilman Drive, Bldg 109 La Jolla, CA 92093-0505

Warren B. Schifini Sagehen Creek Field Station, Univ of California PO Box 939, Truckee, CA 96160-0939

Annual Meeting:
Organization of Biological Field Stations
Mountain Lake Biological Station
16-19 September 1999

MLBS, 238 Gilmer Hall, University of Virginia, Charlottesville VA 22903-2447

tel: (804) 982-5486, fax: (804) 982-5626

mtlake@virginia.edu, www.virginia.edu/~mtlake

The 1999 OBFS Annual Meeting will be held at Mountain Lake Biological Station from **Thursday 16 September through Sunday 19 September 1999**. Mountain Lake is located on a remote wooded ridge at an elevation of 1,160 meters on the top of Salt Pond Mountain in southwestern Virginia. It is near the town of Blacksburg, southwest of Roanoke (the nearest airport). Mountain Lake is a teaching and research facility operated by the University of Virginia and supports basic research primarily in the areas of ecology and evolution.

Please visit the MLBS web page for meeting updates throughout the summer and information on the station (climate, facilities, directions to MLBS, etc.). Other items posted on the web site include downloadable registration form, meeting agenda, and car pool list.

Annual Meeting

The 1999 OBFS Annual Meeting will officially begin **Thursday, 16 September, at 16:30** with a reception, dinner, welcome session, and the traditional slide show of new stations or new facilities. Business meetings will begin early on Friday, 17 September. The meeting will have two general foci this year: 1) education related issues, and 2) several concurrent narrow-topic workshops lead by OBFS members (topics TBA, watch this web site). We will continue to follow up on the current networking efforts, NSF opportunities, and other projects and initiatives that are underway.

The Meeting will include the usual business meetings, special presentations, committee meetings, and hikes around the station and to local features and habitats. Social events planned include a barbecue by the pond, a square dance called by a wonderful local husband-wife team, a slide presentation on the history of Mountain Lake and the area given by a 30-year station resident and civil war buff, and of course the infamous (but lucrative) OBFS Auction! But perhaps the biggest draw will be a repeat performance by the providers of the fabulous dining we all experienced at the WMRS OBFS meeting in 1996! Yes! Cecil and Mike are coming all the way from California to cook for us! Cecil is a native southerner and so promises some exquisite authentic cuisine. Meeting agenda will be posted on this site when final.

The Meeting will conclude after lunchtime on **Sunday 19 September**.

Two Optional Pre-Meeting Field Trips on Thursday, 16 September

A full-day **canoe trip** (limited to 24 people) will be led by Mountain Lake's Director, Henry Wilbur (a superb naturalist and a native Virginian), and his wife Becky Wilbur and will be on a nearby section of the New River through a combination of flat water and class 2 rapids between Pembroke and Bluff City in Giles County. The trip is appropriate for anyone who is a confident swimmer and is willing to take up a paddle. Training is provided for even the most novice. Life jackets, canoes and paddles are provided. Young children should not join the expedition (contact the station if you are unsure). The trip will include stops along the river for swimming, exploring, and lunch. Bag lunches and drinks will be provided. Come with hat, sunscreen, water, swim suit, and rain gear. And while it is usually easy to stay dry, be prepared to get wet. A few dry bags will be provided for camera equipment etc. Canoers will leave the station after an early breakfast and will need to car pool to the river (10 miles). **NOTE:** In the event of bad weather or unsafe river water levels this trip will be converted into a day-long hike to one of several spectacular features near the station. The trip will still be lead by Henry Wilbur. The decision to change the trip may be made on the day of the trip. Hiking boots, rain gear, a daypack and water bottle are highly recommended. Come prepared for both field trips.

Two half-day **caving trips** (one in the morning and one in the afternoon, limited to 14 people each) will be lead by members of the Virginia Tech Caving Club as well as statistic professor Walt Pirie and his wife. Virginia is fabulous caving country due to its extensive karst topography. The caves themselves are spectacular, as are the unique and alien like cave-endemic biology. Basic equipment (helmets and lights) will be provided. Wear comfortable clothes that can be permanently mud-stained, treaded boots that can take a scuffing, and gloves. Bring a change of clean clothes for the ride back. A bag lunch will be provided. We recommend you bring a sturdy water bottle. Participants will need to car pool to the cave (15 miles).

Field trip registration is limited to 24 for the canoe trip and 28 for the cave trip and is first come, first serve. If the field trips fill up, members are welcome to come for the field trip day anyway and hike on or around the station, or visit other nearby attractions (fee for extra day room and board without field trip is \$30). Participants for both pre-meeting field trips should plan to arrive at Mountain Lake **Wednesday afternoon, 15 September**. It is possible, however, that those going on the afternoon cave trip could arrive Thursday morning. Contact the station to confirm possible arrival times and a place in the afternoon trip. These latecomers will, however, miss the "Kingdom of Fungi" (see below). Participants of both trips will return to the station around 16:00 Thursday in time for the official meeting reception.

Special Pre-meeting Multimedia Event: On Wednesday evening (15 September), after people arrive for the pre-meeting field trips, participants will be treated to Taylor Lockwood's "Treasures from the Kingdom of Fungi," (www.mcn.org/2/tfl/). Lockwood is a fungus enthusiast, exquisite photographer, and wonderful speaker. He travels the

country (and world) with a multimedia presentation that is truly a sensory and spiritual experience you won't want to miss!

Organization of Biological Field Stations
Annual Meeting
16 - 19 September 1999
Mountain Lake Biological Station

REGISTRATION FORM (Name and Travel Info.)

Please mail a copy of this form, with registration fee, for each member attending to:
Brenda Christensen, Mountain Lake Biological Station, 238 Gilmer Hall, University of
Virginia, Charlottesville, VA 22903-2477, Phone: 804-982-5486, Fax: 804-982-5626, by
16 August 1999. A \$20 fee will be charged for registrations received or canceled after 16
August 1999.

For full and updated meeting information, visit the MLBS OBFS Annual Meeting web
site at:

www.virginia.edu/~mlake/OBFS1999fall.htm

**An Information Packet (including schedule, maps, pre-meeting field trip
details) will be sent to all persons who register.**

Personal Information:

Name:

Address:

City: _____, State/Province: _____, Zip: _____, Country:

Telephone: _____, Fax: _____, E-mail:

Attending spouse/family member name(s):

Name tag information, please list as you would like to appear:

Name:

Station:

Title:

Travel/Length of stay plans:

I/(we) will be flying to: Roanoke ____, Other _____

Airport arrival date: _____, Airport arrival time: _____.

MLBS departure date: _____, MLBS departure time: _____.

No transportation will be provided to or from the meeting. If you will be renting a vehicle at the airport, and would be willing to give a lift to another person, check here, _____. If "checked," your name, email address and arrival information will be posted on the MLBS OBFS Meeting web page so that others can contact you to coordinate sharing a ride.

Other travel plans:

1999 OBFS Annual Meeting REGISTRATION FORM (Foraging and Housing Info)

Last Name: _____

OBFS Meeting and Mountain Lake meal/lodging registration: The Annual Meeting begins with the Reception and Dinner on Thursday 16 September. The pre-meeting field trips begin with dinner on Wednesday 15 September. The meeting ends after lunch on Sunday 19 September. Aside from the pre-meeting field trips, no extended stays are possible. OBFS members have lodging priority. All beds will be assigned and held on a first come, first choice, basis. Families may be accommodated if space is available. All buildings at MLBS are non-smoking.

Dining Preferences:

Please indicate dietary preference: Omnivore ____, Herbivore ____

Spouse/family member (#): Omnivore ____, Herbivore ____

(Dietary preferences will be accommodated as best the kitchen staff is able.)

If you have any other dietary restrictions, please specify:

Lodging Preferences:

Please indicate or describe your preferred housing situation. Fees do not vary with accommodation (but there is no housing fee for camping). Dormitories and cabins vary in occupancy (1-10). Single rooms are very rare. Rank your MLBS housing preference (1=highest):

Modern: Single occupancy ____ Rustic: Single occupancy ____

Double occupancy _____ Double occupancy _____

Apartment _____ Dormitory _____

Cabin _____

Camping on the station _____

If you are traveling with family please indicate desired sleeping arrangements. We'll do our best to accommodate your needs:

Preferred roommate(s) registering separately:

Non-MLBS housing options you are pursuing: Mt. Lake Hotel _____ Other (specify)

NOTE: There are no other local accommodations with the exception of the Mountain Lake Hotel (a family resort facility). Lodging and meals at the Hotel will be substantially more expensive than staying at the station (ca \$130/night with meals, \$90/night without meals). The Hotel is holding 10 rooms for OBFS members. Reservations for Hotel lodging and/or dining should be made by *1 August* and are the responsibility of the individual. Contact the Hotel at 800-346-3334. Identify yourself as an OBFS member.

Registration Fees (per person):

OBFS Annual Meeting, meals and lodging at the station: add \$230 _____

No meals and no lodging: subtract \$ 75 _____

Meals but no lodging (e.g. Hotel, camping on site): subtract \$ 30 _____

Annual Meeting Registration Subtotal: \$ _____

Check one:

Pre-meeting Field Trip (includes meals and lodging): add \$ 55 _____ Canoe? _____
Cave? _____

Late Fee (for registration received after 16-Aug): add \$ 20 _____

Total Enclosed: \$ _____

Payment must be enclosed in the form of a check payable to "OBFS." Credit cards cannot be accepted.

Meeting Accommodations

Mountain Lake Biological Station can house a maximum of 100 people. We have also arranged for alternate housing at the Mountain Lake Resort Hotel two miles from the station (www.mtnlakehotel.com/, 800-346-3334). Guests bringing their families and looking for a little tennis or other recreation might want to explore the Hotel option. The Hotel is reserving 10 rooms for OBFS visitors. You must make reservations for the Hotel option early (contact the Hotel directly by 1 August). Camping is available at an NFS campground approximately 5 miles away down a very rough gravel road on the other side of the mountain (4-wheel drive recommended). Camping is also welcome on the station (common access showers are limited). Other traditional hotel/motel accommodations are 30-45 minutes away in the college town of Blacksburg. Housing at the station ranges from a limited number of modern singles, doubles and apartments, to "rustic" cabins and dorms of varying sizes. All accommodations have electricity and bathrooms (private or shared) with hot water and showers. Only the modern units have insulation and heat, although most rustic accommodations have fireplaces, and there is plenty of split wood. Cooking is not possible in any cabins or dorms. Refrigerators are available in some rooms.

Items to Bring

Visitors will need to bring all their own bedding, towels, and toiletries. Plan for cool to warm days (50's-70's) and cold to cool nights (40's-50's). It could be warm and sunny and beautiful swimming weather (bring your bathing suit), or cold and rainy. In addition to these items, remember to bring clothes you can layer, hat, sunscreen, walking shoes/hiking boots, water bottle, binoculars, rain gear and a flashlight. The fall colors will not be out yet, but the air and sky will be crisp and clear with the coming fall.

Don't forget to bring items to donate for the OBFS Reserve Fund Auction. The Auction Committee encourages members to contribute unusual items of interest for scientific, cultural, regional, historical (natural or otherwise), or personal reasons. Please limit field station advertising items to at most a single T-shirt, cap, poster etc.

Travel

There is only one convenient airport to Mountain Lake, Roanoke Regional. We recommend renting cars there. A car pool list will be posted on the MLBS web site as people make plans. Mountain Lake is about a 1.5-hour drive from Roanoke. We are about 5 hours from Washington D.C., 4.5 hours from Richmond VA, and 3 hours from Durham NC. Maps will be sent out with registration confirmation material.

A complete meeting agenda and details will be posted and updated on the web site as they develop. Please address questions to Eric Nagy (enagy@virginia.edu) or Brenda Christensen (mtlake@virginia.edu) at 804-982-5486. I look forward to seeing you all this fall!

Taxonomic Information Database

The following was submitted by Jack Stanford as an item of interest for OBFS members.

From the Intergovernmental Solutions Newsletter, Issue 6:

<http://policyworks.gov/org/main/mg/intergov/oisnewsletterframe.html>

<http://policyworks.gov/org/main/mg/intergov/>

[oisnewsletterframe.html](#).

Gary Waggoner of the USGS Center provided most of the background information for this article for Biological Informatics, one of the leaders of the ITIS team.

Several years ago, six Federal agencies started working together to foster and modernize a system for finding the names of nature's organisms. Not surprisingly, each partnering agency had a mission to inventory, monitor, research and/or manage biological resources -- which created a widespread need for a common vocabulary based on taxonomy, the science of describing, naming, and classifying plants and animals.

Taxonomy may not inspire the same wide-eyed wonder that's routine among those who, let's say, monitor whales or track wolves. Nevertheless, the importance of taxonomy to biology and biologists is fundamental since it provides the foundation for understanding and integrating the similarities and differences among the world's organisms, both living and extinct. As the Chinese proverb says, wisdom begins by calling things by their right names. The scientific names of organisms are the framework to which we can connect or integrate all biological information.

The Integrated Taxonomic Information System (ITIS) -- the product of this interagency effort -- is a readily accessible, scientifically credible, standardized source for scientific names and synonyms (as well as common names) of organisms in North America and its adjacent waters. The system also offers information on the native or non-native origin and general distribution of these biological species. Accessible 24 hours a day via the World Wide Web: <<http://www.itis.usda.gov/itis>><http://www.itis>.

[usda.gov/itis](http://www.usda.gov/itis)>, ITIS uses state-of-the-art technology to provide one-stop shopping for taxonomic information.

There is no other comparable single source available in the world.

The partnering agencies in this ongoing undertaking are the U.S. Geological Survey, the U.S. Environmental Protection Agency, the National Oceanic and Atmospheric Administration (including the National Marine Fisheries Service and the National Oceanographic Data Center), the Natural Resources Conservation Service, the Agricultural Research Service, and the Smithsonian Institution's National Museum of Natural History.

Working in a unique partnership among federal agencies and the world taxonomic community, the ITIS partnership re-engineered, both scientifically and technologically, an outdated simple text file (the NODC Taxonomy File) created more than 20 years ago.

The ITIS system brought contemporary technology, rigor, and scientific credibility to bear in creating a new, comprehensive online database.

Other Applications: Some other ITIS applications include

- The USGS's National Water-Quality Assessment Program uses ITIS on a regular basis to accurately name, cite, and classify the organisms collected in its national surface water monitoring program activities.
- ITIS is used as the nomenclatural standard for plant names that is being used to map the vegetation of over 250 national parks through the National Park Service/USGS National Vegetation Mapping Program.
- The plant names contained within ITIS are used in over 3,000 counties by NRCS field offices and county extension agents as the standard reference when doing conservation work with the public.
- EPA uses ITIS as its national reference for scientific names in its many biological inventory and monitoring programs and activities. EPA encourages its state cooperators to use ITIS as the nomenclatural standard to report scientific names of organisms collected and identified and reported to EPA in state-level monitoring activities.
- University and consulting scientists use ITIS to verify scientific names in journal articles and technical reports that they are writing, as well as in preparing class lectures.
- The Fish and Wildlife Information Exchange, which represents state fish and wildlife agencies across the country, is incorporating ITIS into a web-based information system that, for the first time, links fish and wildlife databases across many States, using ITIS as the species name cross-reference.

International Support: More recently, international support and endorsement for ITIS came from Agriculture-Canada, CONABIO (Mexico), and the CODATA-sponsored Species 2000 Program. Members of the general public are increasingly interested in developing "checklists" of the plants and animals they observe in their communities. Today, more than ever before, print and electronic journalists are finding a growing market for natural history and environmental articles, which require accurate biological information.

ITIS is a grand new tool in the arsenal of environmental research, and for the first time is enabling the scientific community, resource managers, and the general public to have a common vocabulary of species at their fingertips in an online database. It is a deceptively simple notion. Its aim is to create a commonly accepted, standard source of biological names for the 'things' of nature. Good science depends on every party in a discussion getting the message right.

For more information, contact Ron Sepic at (703) 648-4218 or e-mail at ron_sepik@usgs.gov.

OBFS Display

The OBFS display is available for meetings. It is a very good way to advertise the activities of OBFS and the importance of field stations in research and teaching. 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.

Data Management Workshop Reports

Also available for the asking from Nina Consolatti are two NSF sponsored workshop reports on data management at field stations.

Data Management at Biological field Stations. Report of a Workshop May 17-20, 1982, W.K. Kellogg Biological Station, Michigan State University (the "green" book)

Data Management at Biological Field Stations and Coastal Marine Laboratories. January 1992, Report of an Invitational Workshop, April 22-26, 1990, W.K. Kellogg Biological Station, Michigan State University (the "blue" book)

SMSU Bull Shoals Field Station

After two-and-a-half years of discussions and planning, Southwest Missouri State University, in cooperation with the Missouri Department of Conservation and US Army Corps of Engineers, formally established its new field station. The physical plant for the station consists of a large stone house, in need of renovation and utilities, plus two outbuildings. The station is on 2,000 acres of limited-access conservation land and overlooks Bull Shoals Lake, a large COE reservoir. Bull Shoals Lake is on the White River drainage and is well known for its clear water. The surrounding land is typical of the Ozark Mountains, with karst topography, extensive oak forests, and clear streams. MDC has a savanna and glade restoration project and manages its land for deer and wild turkey. The region has a particularly high diversity of plants, reptiles, and amphibians.

The overall mission of the Field Station is to conduct research and educational programs that promote public awareness of Southwest Missouri ecosystems. The station has a yearly operations budget starting summer 1999, which will initially support startup expenses and cooperative research. Our initial goals are to establish a weather station, a GIS-based database, conduct floristic surveys, and begin water quality monitoring. The cooperative research is intended to facilitate investigator-initiated research at the station by local and visiting faculty and students.

John E. Havel

University of Oklahoma Biological Station:

After more than 30 years as Director, Dr. Loren G. Hill retired from the university on December 31, 1998. Bill Matthews is the Interim Director for Programs (summer classes & conferences) at the OU Biological Station, and newly hired Dr. Larry Weider, formerly of Max Planck Laboratory at Plon, is now Director of Research.

Bill Matthews

Jasper Ridge Biological Preserve

Last year, in celebration of the Stanford Board of Trustees 1973 decision to designate Jasper Ridge Biological Preserve a biological field station, the Preserve produced a 28 minute film entitled "Jasper Ridge Biological Preserve: An Island of Discovery." The film has proved extremely successful at educating the public about the value and mission of biological field stations, as well as celebrating the creation of the Preserve. I believe it provides an excellent template for similar efforts at other field stations. It has been locally televised 7 times, with each showing it has generated requests that it be re-broadcast by the local cable Stanford Channel. If you are interested in seeing this film I will sell it to any field station for our production cost, \$7.00 (we sell it locally for \$15). Please feel free to contact me if you are interested.

Philippe Cohen

Humboldt Field Research Institute

The Humboldt Field Research Institute at Eagle Hill announces a new professional-level seminar series and certificate program in ecological restoration.

The seminar series provides a wide range of opportunities to study and understand the complex process of planning and carrying out ecological restoration projects. Seminars are intended for restoration practitioners involved in the repair and restoration of both aquatic and terrestrial ecosystems, including stream and riparian ecosystems. Introductory seminars provide comprehensive overviews of key topics that are then presented in greater detail in follow-up seminars. Master seminars provide specialized study opportunities for those with advanced backgrounds. As a whole, the Ecological Restoration Seminar Series emphasizes the applied aspects of ecological restoration and their basis in the science of restoration ecology.

The Eagle Hill Ecological Restoration Seminar Series provides training and experiences for the growing number of professionals who are working beyond the traditional limits of landscaping, reforestation, reclamation, land management and the corollary pure sciences. The seminar series is, of necessity, interdisciplinary in nature. It merges concepts and techniques from a number of disciplines in order to develop optimal approaches for the restoration of lands and waters to more natural ecological conditions. The seminars are taught by experienced instructors who are professionally involved in planning and carrying out restoration projects and thus provide knowledge of up-to-date methods, thought processes, and ways of restoring lost ecological processes and cover to

land- and water-scapes. Given that the discipline of ecological restoration is in rapid transition, participants are expected to put serious and creative efforts into each seminar.

Professional-level seminars will be held yearly at different locations across the United States and Canada and at other locations upon request. Seminar offerings will rotate from location to location. Seminars may be taken individually or as a series in order to earn a Certificate in Restoration Ecology.

Seminars for 1999 include

- Applied Ecological Restoration: Introduction and Overview
- Bioengineering with Native, Natural, and Coir Fiber Materials
- Ecological Restoration Planning and Design
- Ecological Restoration: Special Problems and Projects Master Class
- Forest Restoration
- Habitat Restoration in Pulse-influenced Environments
- Introduction to Bioengineering
- Restoration of *Phragmites* Degraded Salt Marshes: The Science and Techniques
- Riparian Restoration, Planning, and Design
- Salvage of Plant Communities: Large- and Small-scale
- Techniques for Reviewing Restoration Plans

The Institute would welcome hearing from Institutions that might be willing to serve as hosts for seminars of these kinds. Nearby field sites where restorations have been done or where they need to be done are helpful. Information is available from the Humboldt Field Research Institute, PO Box 9, Dyer Bay Road, Steuben, ME 04680. Phone: 207-546-2821, FAX: 207-546-3042 <http://maine.maine.edu/~eaghill>

The University of Mississippi Field Station

Plans are underway to host an international conference on water and wetlands to be held in conjunction with the dedication of The University of Mississippi Center for Water and Wetland Resources at The University of Mississippi Field Station on May 23-25, 2000. The title of the conference "Sustainability of wetlands and water resources: how well can riverine wetlands continue to support society into the 21st century?" reflects the multi-disciplinary nature of the program planned. The focus of the conference will be on recent work in freshwater wetlands (both natural and constructed) with a view toward understanding wetland processes in a watershed context. Given Oxford's unique location in the lower Mississippi River drainage basin, The University of Mississippi invites colleagues from other major drainage basins to participate in this conference and to share experiences among river systems.

For additional information, please contact: Dr. Marjorie M. Holland, Associate Professor, Department of Biology, and Director, The University of Mississippi Field Station and Center for Water and Wetland Resources, The University of Mississippi, University, MS

38677, USA. Phone (601) 232-5874; fax (601) 232-5144; e-mail:
mholland@olemiss.edu.

Cedar Point

Cedar Point is celebrating its 25th anniversary this year. It has expanded
from an original Girl Scout camp consisting of 38 acres and 15 buildings

into 595 acres and 29 buildings. We have many on-going national research programs led
by Dr. Svata Louda, Dr. Charles Brown, Dr. Diana Pilson, Dr. John Janovy, Jr. and Dr.
Richard Clopton. Dr. Tony Joern recently completed 20 years of study. The education
program has expanded from only a few students and classes in the early years to 8 classes
with an average of 16 students. Over 328 publications, theses, dissertations and films
have been produced over these past 25 years.

Mary L. Batterson

History Needed

I would like the old time membership to bring any slides or photos of previous meetings,
especially old ones, to the next meeting. If possible, give dates, names and localities with
the pictures.

Bob Fisher, OBFS Historian

NSF Contact: Dr. James T. Callahan, Div. of Biological Infrastructure, Room 615, 4201
Wilson Blvd, National Science Foundation, Arlington, VA 22230. Email:
jcallaha@nsf.gov. Phone: (703) 306-1469

THE OBFS NEWSLETTER

OBFS News is edited by David White and Cheryl Bullington and printed at the Hancock
Biological Station, 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 david.white@murraystate.edu or cheryl.bullington@murraystate.edu.

Past Issues

Past issues of ***OBFS News*** (Fall 1997 to present) are available to any station or individual
member by contacting the Editor.

Fall 1999 Issue

Articles for the Fall 1999 Issue of OBFS News should be received by 22 October
1999