

**Organization of
Biological Field Stations**

**Newsletter
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NEWSLETTER

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MINUTES - 1994 ANNUAL MEETING FOR BUSINESS
FLATHEAD LAKE BIOLOGICAL STATION, POLSON, MT
SEPTEMBER 14-18, 1994

- I. Appendix I lists attending representatives of Station Members and Individual Members. Those present stood and introduced themselves.
- II. At 8:09 a.m. 9/16/94 the meeting for business was convened by President Steve Havera. The meeting was partitioned by scheduled breaks to permit other activities, but the minutes will be presented in a continuous fashion.
- III. Havera announced the formation of the Nominating Committee: Art McKee, Dan Dawson, and Peter Connors. Two offices, each with a 2-yr. term, are to be filled: Member at Large (replacing Jack Stanford), and editor, (replacing Joe Merritt). He also listed the standing committees and encouraged interested members to sit in, volunteer, and join a committee. The committees (and chairmen) are: Education (Aspinwall), International (Wyman), Public Relations (Yohn), Research (Havera), Administration and Facilities (vacant), and Program (Mahan). Vice-president Mahan solicited input from members regarding the program for next year's meeting at Tree Haven. He and the hosting director work together in developing the meeting schedule.
- IV. Future Meetings.

A. Arrangements for the 1995 meeting at Tree Haven Biological Station were reviewed by Corky McReynolds. Tree Haven occupies 1400 acres of northern deciduous forest between Rhinelander and Tomahawk Wisconsin. It is part of the College of Natural Resources at the U. of Wisconsin, Stevens Point. In addition to the forest, local habitats include cold water streams, beaver ponds, and a small lake. There are also nine miles of trails.

Facilities include two residential complexes (four people/room), dining room, conference room and recreational lounge (w/bar!). Tree Haven's food service will provide meals buffet style; one served dinner is planned. The local brew is Pointe Beer.

A pre-meeting canoe trip (with short portages) to the Sylvania Wilderness in the Ottawa National Forest is scheduled for Thur. Sept 21.

Attendees should arrive on Wednesday, Sept. 20 (if they are participating in the pre-meeting canoe trip) or on Thur.

Sept 21. Departures will be on Sunday, Sept. 24. Travelers will be met at the Rhielander/Oneida County Airport. The station provides linens, blankets, pillows and towels. More information will appear in the Spring/Summer Newsletter.

B. In '96 we meet at the Univ. of California's White Mountain Research Station, south of Reno, on the CA/NV border. Dan Dawson described facilities at several elevations up to the Summit Hut @ 14,260 ft. which we will visit. Most events will take place at the new facility at Crooked Creek (10,000 ft.) which accommodates 60 people in log buildings. The site has hosted groups of our size. Visitors should expect scenic views, alpine flora, and bristle cone pines of 4000+ year vintage. Those arriving via Reno might visit the Whittell Forest, the Sierra Aquatic Research Lab or the Valentine East Sierras Reserve enroute. Those coming via Los Angeles might travel through the Mojave desert, Death Valley, or through Yosemite National Park.

- V. Report of Secretary-Treasurer (Coles): The minutes of the '93 business meeting were approved as published in the Newsletter. On August 30, '94 our group included 147 station members and 46 individual members. Appendix II lists newly joined members and changes which have occurred at member stations. Appendix III presents e-mail, fax and telephone numbers of members present.

Appendix IV presents the treasurer's report. Costs of producing the Directory drained our account at the Jefferson Bank in Eureka, MO. to near-0 level, but payments of '94 dues restored the treasury which reached \$7434.83 at year's end (August 30).

A suggested budget for '94-'95 was presented, modified and adopted. The right hand column of the financial report presents the approved budget. Funds were set aside to pay for travel by those involved in the NSF-sponsored workshop (\$1000 - hopefully this will be reimbursed) and the amount budgeted for the International Committee was increased to \$500. The Newsletter expense category was increased to accommodate plans the new editor may have.

It was decided to no longer charge members for bulk quantities of Biology on the Spot, (the OBFS brochure) as a modest supply remains and deserves to be distributed to interested parties.

- VI. Report of Editor (Joe Merritt): Merritt indicated that the the present newsletter would be his last and that his previous pleas for release from what might appear to be a life sentence must be elevated to a respectful but firm request for clemency. With gratitude and mercy his request was granted. The Directory continues to sell at a modest pace. More marketing is needed. Chuck Yohn will help by placing advertisements in various newsletters and else-

where. Members: please send suggested vehicles to Chuck. Joe will be attending the Mammal meetings in Vermont and would like to do a workshop on field stations and OBFS. He would welcome any assistance and will market the Directory there.

For the use of anyone able to promote Directory sales, a copy of our ad will appear with this Newsletter. For new members, a copy of Biology on the Spot will be sent with the Newsletter.

VII. Report of the Poster Editor (Susan Lohr): 3000 copies of the '94 Summer Course Announcement Poster were distributed to those on the AIBS mailing list, and via the secretary, to those who inquired individually. The 63 stations mentioned paid \$60 each for the listing. (A listing on the poster does not automatically accompany OBFS membership!) After payment for printing and distribution a small surplus (\$56.64) remained to help with up front expenses for the '95 edition. These funds, separate from the OBFS treasury, are curated by Lohr in Colorado. Susan desires to turn the poster over to a new editor, volunteers should speak up!

VIII. Report of the Historian (Bob Fisher): For Fall (only) 1995 Fisher is still teaching at Juniata College in Pennsylvania. Thereafter he will be fully retired. (His retirement is moving at the same slow pace as did the filling of Raystown Lake at his station....) He spends the rest of his time in Costa Rica where he has a Fax # and would gladly assist visitors, especially if interested in birds.

He is still working on the history of OBFS, and needs photos from old meetings (either prints or slides to be copied). He needs information from earlier OBFS meetings (where the 1970 meeting occurred remains a mystery) and copies of Newsletters #42 and #1 through #17. Assistance here would be gratefully received.

IX. Report of the AIBS Representative (Steve Havera): Until Jan '95, Steve is on the AIBS governing council which previously met in February. Now it meets in November. So, there is no report for last February; Steve attended the Nov '94 meeting, his report is Appendix V.

The new executive director of AIBS is Clifford Gabriel. A revised statement of AIBS mission/goals/objectives and a five-year action plan have been prepared. There is also a new pamphlet on how to interact with congress. These are available from AIBS directly.

X. Report of the Nominating Committee (Art McKee): The committee sub-mitted the following roster of potential victims. (all are willing to serve): Editor (2 yr. term) - Susan Lohr and Dave White. Member at Large (2 yr. term) - Hal Klieforth and Rich Wyman. There being no additional

nominations from the floor, nominations were closed and the slate accepted. A ballot appears in this Newsletter.

- XI. Program Committee (Dave Mahan and Corky McReynolds): The program of the '95 meeting will appear in the Spring/Summer edition of the Newsletter. Suggestions are most welcome.
- XII. NSF Relations Committee (an ad hoc committee of the whole, Susan Lohr has accepted a leadership role.) Tom Callahan, NSF Program Director, who spoke to a non-business portion of the OBFS meeting, had previously urged that OBFS and NAML (National Association of Marine Laboratories) submit a joint proposal to NSF soliciting support for a workshop to review the status of research facilities at both types of field stations (FSSs), to develop an intellectual agenda for the future, to enumerate the research needs of FSSs and to suggest how NSF could meet our needs. Callahan would then utilize the report from the workshop to justify preservation or expansion of the special competition which supports improvement in research facilities and capabilities at FSSs (of both types). He needs documentation of the research needs of FSSs for use both within NSF and before congress. The intellectual agenda is a particularly important element.

Experience in work attempted on this with NAML showed convincingly that the joint effort suggested is unworkable. It was decided that OBFS would instead, submit its own independent proposal for a workshop to NSF. A leadership group (including Susan Lohr) will develop a proposal to NSF to fund a 2,3, or 4-day workshop with about 30 participants drawn from terrestrial, coastal and marine stations. Prior to the workshop a detailed questionnaire (q'aire) be distributed widely. The completion of the q'aire will be time consuming, but respondents are urged to lend their assistance because of the importance of the project.

The output of the workshop will be a "white paper" to assist Callahan in developing the guidelines for the '96 special competition and for the documentation purpose above. (He also is assembling a group to assist him revising the '95 Guidelines.) Chances for funding of the workshop are thought to be excellent. To expedite the proposal and the workshop it was decided that up front expenses would be paid by OBFS for postage, questionnaires, etc. It was moved, (Connors) seconded and passed that the budget be modified to allow \$1000 for this purpose. It is assumed/hoped that the OBFS treasury would be reimbursed for this expense, if and when, the grant is awarded. (Callahan's program is not able to support educational projects, however worthy they may be.)

XIII. Standing Committee Reports.

A. Education Committee (Nevin Aspinwall): The committee is heading toward holding a workshop to develop an OBFS mission

statement and a white paper regarding education. Nevin will contact NSF (starting with Tom Callahan) to determine which existing funding programs may be relevant. An appropriate Program Director will be invited to our '95 meeting and asked to interact and consult with us about the possibility of having such a workshop. This initiative will be quite separate from the research needs workshops described above. Persons very familiar with NSF policies and procedures suggested that we might eventually want to work with Luther Williams, head of the Directorate for Education at NSF to encourage the inclusion of "Field Stations" in the title of a program (as "Museums" has been so included). We should be prepared to emphasize that science is the accumulation of knowledge and the dissemination of that knowledge to society (esp students). The education directorate has lots of money, and are susceptible to egalitarian arguments. They are inclined to distribute funds broadly, giving some money to every applicant. But they have programs requiring 50% matching of federal monies and with a minimum proposal size of \$100K. They encourage (and fund) studies to assess the impact of what you propose to do with subsequent publication results in an education journal.

B. Research Committee (Steve Havera): At its meeting the committee developed a list of topics of possible interest for programs at future meeting and/or for action by OBFS. These included: Outreach efforts to tell the public what we are, what we do, and why, Data Management (to follow through on the results of the data management workshop held at Kellogg), Data-ownership, the Environmental Monitoring Assessment Program (EMAP) setup by EPA, Interdisciplinary work and how our product might be improved by interfacing with hydrology, climatology, or other disciplines.

C. Public Relations (Chuck Yohn): This one man committee will work on: Putting notices promoting sales of our Directory on bulletin boards, (including electronic ones), in newsletters (free ones) etc; developing a sign based on the OBFS logo to be put out at the office or entrance to member stations which, hopefully would buy the sign; develop an electronic list server or E-mail bulletin board; approach National Public Radio about doing a program on field stations (perhaps resembling a recent program on the maple syrup operation at Raystown Lake Biological Station.

D. International Committee (Rich Wyman): There was lively and lengthy discussion of our international outreach initiative of which only the highlights will be summarized here. With help from Huyck, the International Committee (I.C.) had sent out a letter of inquiry to 428 people and field stations (FSS) around the world. There were about 100 responses. So a second letter with more detail and including a 2-page questionnaire was distributed. The 40 (approx) responses were computerized. At Flathead Lake the

I.C. focused on the following objectives: in the long term, to facilitate the distribution and sharing of expertise among the FSs of the world with emphasis on networking among sites and exploitation of the new ge positioning capabilities; in the short term, to produce an international directory of the world's FSs. To complete such a directory, help would be needed to get better coverage as present information is incomplete. Funding (perhaps from OBFS) would be needed to convene a meeting of the committee at Huyck to iron out details, plan further, and to write a proposal for funding from an external sponsor for the international directory.

The I.C. finds there is a need for communication regarding 'What is a FS?' (In many countries the only FSs are focused on agricultural and applied activities). What basic operational requirements do FSs share? We have no info, for example, on fee structures. In a year or so the I.C. would like to have an organizational meeting of 30-40 people from established FSs for which further funding would be necessary.

The I.C. petitioned for authorization to proceed along these lines and requested \$500 be budgeted from the OBFS treasury to support this. In FY '93-'94 the I.C. had funds budgeted at \$200 and spent \$316 on stamps, \$250 on letterhead and \$28 on copying. OBFS has reimbursed in the full amount budgeted and expresses appreciation to the Huyck Preserve for having contributed, as so many stations do, to the program of OBFS.

Rich Wyman needs further information on who to contact and include, and welcomes additional input from anyone (Does anyone have any United Nations list, or has anyone used same?) What potential sponsors might be willing to fund these activities?

A serious question arose from the floor: 'While we appreciate the I.C.'s interest and its willingness to pick up this matter and run with it, the concept seems peripheral to our OBFS present interests and mission. So this is not a good way to direct our time, attention, and money. While this initiative would probably help the world, OBFS is not yet ready to contribute much of our resources to it. We should not plan to do an International Directory with OBFS funds, but can only provide some modest start-up funding.'

Funding might be available from an exotic sponsor (NATA, National Geographic, The UN, etc.). Worldwide, there are many FSs as sophisticated as our own "star FSs, or more so. Many have E-mail, Bulletin Boards, list server or other capabilities.

It was moved (Wes Tiffney), seconded (Nevin Aspinwall) and passed (1 for, 12 against) that we approve I.C.'s continuation of effort on developing an International

Directory, based on the two page questionnaire presently in use. It was moved (Nevin Aspinwall) seconded (Wes Tiffney) and passed (17 for, 14 against) that we modify the Fy '94-95' Budget to provide \$500 for this effort.

Cautionary comments included:

- We should not dilute our resources too much but should be more focused and set priorities before spreading ourselves too thin.

- LTER is "going international;" and might provide more contacts.

- While there may be many stations around the world, for some countries an agricultural FS or an applied FS may be their only FS. It would be best not to delete such an FS and its nation. Furthermore man and his manipulations are a de facto part of the ecosystem.

- The I.C. might devote the next year to discovery regarding what else is being done by others, (including the UN). It would appear unlikely that a small \$8700/yr organization like OBFS could effectively mount such an ambitious project on a global scale.

- Reviewing our history, perhaps as individuals OBFS members would like to develop and maintain international contacts. But as an organization we need to focus on the needs of our present members. To attempt to diversify our activities by expanding in the international arena would drain our energies and diminish our coherence.

- But the people working on the I.C. are not the same individuals as those working on prior areas of focus so no one is being drawn from pre-existing commitments.

- Perhaps (for \$500) we should get on list-serve and, as a result, become a small internet. This would both give us international accessibility but also would improve our internal networking as well.

From the divided nature of the vote and the tone of these and other constructive comments it was clear that, while \$500 was budgeted for the I.C.'s use in '94-'95 for pursuit of the international directory many members felt that our movement into the international arena should be deliberate, judicious, and well planned. This matter will continue to deserve our thought and attention in the future.

XIV. Other Old Business: Regarding the continuing concern over Hanta virus, Susan Lohr has provided a bulletin which was placed in all residences at Rocky Mountain Biological Lab. She provided copies for in attendance; others wishing a copy may contact her directly.

XV. New Business:

A. At an Ecological Society of America meeting Steve Havera picked up copies of a pamphlet on how the National Institute for the Environment and the National Biological Survey will complement each other. Those wishing a copy should contact him.

B. Mike Klug sent word (via Joe Merritt) that Michigan State University's Kellogg Biological Station still exists but has experienced a few departures by senior investigators, has been shifted from curation by the College of Natural Sciences to existence under the College of Agriculture and Natural Resources and is under siege.

C. Wes Tiffney would gladly share copies of his 15 page "User's Guide to Nantucket Field Station".

D. Mark Stromberg has volunteered to set up an E-mail bulletin board for OBFS members. To do so he needs help for a large, friendly university computer center to provide bulletin board space for a 250-member user group.

E. Nevin Aspinwall suggested that our president write to non-attending OBFS members to remind them that all would benefit from an increase in the number of proposals submitted to the special competition run at NSF by Tom Callahan. The president agreed to do so.

F. Susan Beegel suggested that America-on-Line is cheap, often accessible by a local telephone call, and includes Gopher, E-mail, bulletin boards, etc. Your institution may have free access, especially if you are near a military base.

G. Bo Dziadyk gave a free OBFS T-shirt to Susan Allen Lohr in appreciation for her outstanding service to OBFS as president, poster editor and in so many other ways.....and also because she was "too cheap to buy one"!!

XVI. After a motion expressing heartfelt thanks to the personnel of Flathead Lake Biological Station for their hosting such an enjoyable, educational and fulfilling annual meeting of OBFS, the meeting for business was adjourned.

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The University of Montana
September 14 - 18, 1994

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juniata.edu

"YE OLDE OFFICIAL OBFS BALLOTTE"

Please return to OBFS, P.O. Box 351, Eureka, MO 63025 by 31 January 1995

(ONLY station members eligible to vote)

I ELECTION OF EDITOR - 2 year term

NOMINEE: Susan Lohr

NOMINEE: David White

WRITEIN: _____

II ELECTION OF EXECUTIVE COMMITTEE

MEMBER AT LARGE - 2 year term

NOMINEE: Hal Klieforth

NOMINEE: Rich Wyman

WRITEIN: _____

**** Please see the following biographical sketches of candidates**

SUSAN LOHR

Susan Lohr, Director, Rocky Mountain Biological Laboratory 1986-present. OBFS Poster Editor 1986-present. OBFS Vice President 1990-1991. OBFS President 1992-1993. Research interests: avian populations in the Rocky Mountains, avian speciation, biogeography and behavior in the Neotropics.

"I see the OBFS Newsletter as a means of communicating within the field station community throughout the year, essentially extending the networking, camaraderie and information sharing that happens at our annual meetings. As editor I envision offering a quarterly newsletter with a number of forums, such as columns about day-to-day administrative details concerning grant success tips, insurance, rate structures, liability issues, etc. I would like to sponsor regular questionnaires about topics that might assist us in our jobs (such as Director compensation, tenure, contracts, etc.) and circulate the results. Another feature that could be useful is a staff employment opportunity exchange. Also, we all run across books, journals and software during the course of the year that may be of interest to our colleagues, so I plan a book reviews section. I guess I see the newsletter as an opportunity to extend our informal interactions as managers of field facilities. I would like to distribute the newsletter on email as well as via hard copy/US mail.

"Over the years I have found my association with the OBFS to be one of the most valuable aspects of my job as Director of the RMBL, and I treasure the opportunities I've had to work with you all as colleagues. I would be grateful for your confidence in me, should you elect me Newsletter Editor. Thanks!"

DAVID S. WHITE

David S. White:

As a student, I had no knowledge of biological field stations. My first position, however, was as research biologist at the University of Oklahoma Biological Station where I learned their tremendous value in teaching and research. Following three years at Oklahoma, I was on the faculty of the University of Michigan Biological at Douglas Lake for ten years, taught one summer at Camp Filbert Roth, and have served six years as the Director of Hancock Biological Station on Kentucky Lake and Coordinator for the Center for Reservoir Research. I have missed only one summer at a station in the past 20 years. I have been an associate editor for the Southwestern Naturalist and the Journal of Freshwater Ecology and am a past Chair of the North American Benthological Society Editorial Committee. The Hancock Station & Center has a full-time staff of five and all the hardware and software needed to produce the Newsletter. We operate primarily on IBM PCs with full scanning and Corel capabilities. We also have the services of a full-time editor/illustrator who assists in the production and publication of bulletins, flyers, newsletters and posters.

HAROLD KLIEFORTH

Harold Klieforth is a research meteorologist with the Desert Research Institute (DRI) and Associate State Climatologist for Nevada. He has been a member of the Board of Control of the Whittell Forest and Wildlife Area (WFWA) since 1965 and served as the chairman and *de facto* director for several years in the 1970's. He has attended most of the OBFS meetings since 1980, and is a member of the research committee. His major interests include the natural history of the Sierra Nevada and the Great Basin from an interdisciplinary point of view such as climate-vegetation relationships. These and similar studies in temporal and spatial distributions of precipitation, snow hydrology, etc., have been carried out by Hal in the broader geographical region that encompasses the Sagehen Creek Field Station and the White Mountain Research Station. Major goals for OBFS of interest to Hal include involving more members from universities, national parks or forest service research areas in states such as Utah, Wyoming and New Mexico; encouraging more emphasis on physical sciences (e.g., climatology, hydrology, and geology) that complement the biological studies; and, especially, improving weather station facilities at all OBFS sites and compiling summaries of their historical climatological data.

RICHARD L. WYMAN

Richard L. Wyman -

Richard L. Wyman received his BS in biology in 1969 from Panhandle State University, and his MS and Ph.D. in ethology and ecology (in 1970 and 1973, respectively) from Illinois State University. Since graduating he has worked for an engineering and environmental consulting firm for six years, and taught at Hartwick College in Oneonta, New York, for five years. In 1986 he became the Executive Director of the Edmund Niles Huyck Preserve and Biological Research Station in Rensselaerville, NY. His research interest are in the development of behavior of fishes, the ecology of terrestrial amphibians, forest biology, and conservation biology. He is an Adjunct Associate Professor with the Department of Biology at the State University of New at Albany, where he teaches a course on biodiversity. He has authored 48 scientific publications and was editor of the book Global Climate Change and Life on Earth (1991, Chapman and Hall, NY). He is chair of the Northeast U.S. Working Group of the Declining Amphibian Population Task Force of the IUCN. He has served on the OBFS Research Committee and has chaired the International Committee since it was formed in 1991.

OBFS
FINANCIAL ACTIVITIES

FINAL

	Financial Report FY 93-94	94-95 Actual	Suggested Budget 95-96	Approved Budget FY 94-95	
Income					
Dues	\$7105	7,400	7,400	\$7500	11,000
Interest	197	300	300	200	300
Sales	1640	1,100	1,000	1500	1000
	<u>\$8942</u>	<u>8,800</u>	<u>8,700</u>	<u>\$9200</u>	<u>12300</u>
Expense					
Office - Wages, postage, phone, etc	\$2901	4,800	5,000	\$4000	7,000
Directory postage	240				
Advertising	92				
AIBS Dues	100	100	100	100	100
International Committee	200	200 (500)	500	500	500
Travel - Officers and Guests	200			1000*	600 ^{to AIBS}
Newsletter	1480	1900 (2239)	3200 2000	2000	3,200
Transfer to Reserve This amount unspent was transferred to reserve to hold for future major projects	3729 3729	2800 2500 (1100)	500 1100 600	1600	9,000
* Includes upfront money for NSF sponsored workshop. Hopefully reimburseable					12,300
Total Expense	\$8942	8200 8300 8500	8400 (reflects elim of transfer to Reserve) 8400 8700	\$9200	

Assets: As of 8/30/94 the balance in our NOW checking account (#02-1809-158391) at Jefferson Bank, Eureka Mo was \$7434.83 This figure includes the transfer to Reserve from FY 94 and prior years.

CURRENT STATUS OF OBFS MEMBERSHIP

193 members - 147 station members; 46 individual members
11 new members - 12 new directors at member stations
1 resigned

NEW MEMBERS

I Michael A Bell - Suny at Stony Brook NY
I Dr Alan R Berkowitz - Institute of Ecosystem Studies NY
S Marilyn Cole - Tropical Education & Rainforest Cons Ontario
I LeBaron C Colt, Jr - Lloyd Ctr, Dartmouth MA
I Ann Lezberg - Harvard Forest MS
I John Mull - Utah State University UT
S Ross Petersen - Vermilion Community College MN
S O J Reichman - Konza Prairie Research KS
I Jon Ross - Itasca Biology Program MN
S Dr Nels H Troelstrup, Jr - Northern Plains Biol Sta SD
S Dr Pamela L Williams - Kern River Research Ctr CA

NEW DIRECTORS AT MEMBER STATIONS

Cedar Creek Natural History Area - David Tilman
Cedar Point Biological Sta - Dr John Janovy
Desert Studies Center, CA - Dr William Presch
Granite Mountain - Jim Andre and Claudia Luke
Great Basin Environmental Center - David Lanier
Hawk Mountain Sanctuary - Keith Bildstein
Hawaii Institute of Marine Biology - Dr Gordon Grau
Kellogg Biological Station - M Klug
National Audubon Soc; Appleton-Whittell - Bill Branon
Rensselaer Polytechnic Institute - Dr Sandra Nierzwicki-Bauer
Sevilleta Field Research Station - Dr Robert Parmenter
Turtle Cove Research Station - Not named yet

RESIGNED

Dr Carl Lieb - University Texas Indio Mountains Research Station

REPORT OF THE AIBS REPRESENTATIVE

The AIBS Council meeting convened 7 November 1994 in Washington, D.C. The American Institute of Biological Sciences (AIBS) is a non-profit national scientific organization whose mission is to address important public policy issues in the life sciences, including environmental, medical and agricultural issues. Founded in 1947 as an operating component on the National Academy of Sciences, AIBS is now an independent federation of 47 scientific life science societies representing more than 80,000 biologists, students, and others concerned with the biological sciences.

The theme of this year's meeting was the new AIBS Strategic Plan and specifically how AIBS can improve interactions with affiliated organizations. The meeting focused upon discussion with affiliated societies about the Strategic Plan, namely, how can AIBS improve service to its affiliate societies and organizations? This segment of the program included open discussion on meetings, communications (electronic, BioScience, etc.), public policy, congressional fellows, education, and coalition building. Input from the affiliated societies at the Council Meeting will be used to implement the AIBS Action Plan segment of the Strategic Plan.

AIBS provides the biological sciences community national representation on pressing public issues involving biological considerations, enhances biological education and research, and improves interactions among biology societies and disciplines. The goals of AIBS are to:

1. serve as a national representative for biology and biologists,
2. enhance biological education and research, and
3. enhance interaction among biology professional societies.

The 1995-2000 AIBS Action Plan includes components for a biological agenda, a congressional science fellow program, legislative and executive

branch outreach, BioScience, proceedings of workshops and symposia, the Forum newsletter, awards, biology education, special science programs, AIBS gopher server, monthly AIBS news column for affiliate society newsletters, annual meetings, and the National Plant Science Forum.

A copy of the 1994 AIBS Strategic Plan, including its mission statement and 1995-2000 Action Plan, can be obtained from The American Institute of Biological Sciences, 730 11th Street, NW, Washington, DC 20001-4521.

Respectfully submitted by Stephen P. Havera, 1994.

The International Committee of the OBFS

At the meeting in Costa Rica in 1991, the OBFS established a committee to look into the feasibility and desirability of establishing an international role for OBFS.

The objective of the committee is to assist the development of teaching and research programs at international field stations through the dissemination of information and expertise through a network of field stations. To accomplish this objective we plan to:

1. Produce a directory of international field stations,
2. Determine the feasibility of holding a meeting of interested field station personnel from representative international field stations,
3. Contribute to the linking of field stations with telecommunications and computer technology,
4. Contribute to the linking of field stations through the use of ground based geopositioning devices,
5. Assist field stations through the dissemination of information of interest to stations, e.g. funding availability, problems of mutual concern, events of interest, etc; possibly through the production of a newsletter or electronically.

In 1992 and 1993, we published announcements in newsletters of many scientific societies to inform their members of our thoughts about an IOBFS. We searched membership directories of societies and files, to find as many field stations as we could. The committee has sent an introductory letter 428 people and/or field stations in 95 countries. We have received about 100 responses. All responses have been quite positive, most respondents believe that an international organization of field stations would be of mutual benefit for all involved.

Next we devised a questionnaire to be sent to interested field stations requesting standard information about their location, research and educational activities, and facilities with the hopes of producing a directory of international field stations. To date 38 field stations have responded and these responses have been computerized. We plan to continue to communicate with other field stations to enlarge our data base.

The International Committee requested that it be allowed to precede in the development of a directory during the remainder of 1994 and 1995 and requested \$500 to do so. The

committee plans to meet at the Huyck Preserve between November 17-20, 1994 to draft a proposal for funding the development of an international directory.

The committee requests that members of OBFS please send to Rick Wyman information about any individual working at a field station outside of the U.S. In addition any information about or directories of regional or discipline specific organizations which have international workers would be appreciated. This request includes marine and terrestrial field stations.

Members attending meeting were Andy Spencer (Bamfield Marine Lab), Nancy Butler (Flathead Lake Bio. Station), Tony Sutterly (UMBS), Joe Merritt (Powdermill Biol. Station), Wade Sherbrooke (SW Research Station), Bohdan Dziadyk (Augustana College Field Station), and Richard Wyman.

Please send information to:

Richard L. Wyman
International Committee-OBFS
Huyck Preserve
P.O. Box 189
Rensselaerville, NY 12147



ORGANIZATION OF BIOLOGICAL FIELD STATIONS

Office of Richard W. Coles
Secretary/treasurer
P. O. Box 351, Eureka, MO 63025

NOTE: TO ALL MEMBERS

FROM: DICK COLES

Dick Coles

Enclosed in this Newsletter is a copy of our new Questionnaire. We are asking that each member carefully review the membership list and the listing of phone, fax and e-mail numbers, make any appropriate revisions and mail to the office listed above.

For those that question the reasoning of the membership list in it's present format, let us give an explanation. (We can change the format if the majority wishes to do to.)

Station members are listed alphabetically first, by station. We believe the reason is valid. Someone may wish to make inquiry concerning a station in a particular state, and not know the directors name. Dues - \$50.00

Individual members affiliated with a station are listed next. These are members who have chosen not to be included on the brochure, directory or the poster, and thus the dues level is reduced. Dues - \$10.00

The next category is also an individual membership and includes those who are retired, interested but not affiliated with a station or facility, or other reasons. Dues - \$10.00

The format for the membership list has another use. These names and addresses will copy nicely on Xerox type labels; three columns to a sheet. You may copy them yourselves, or write this office and we will send you a packet of mailing labels for any mailing you wish to make to the membership.

We hope you will respond to this message - we would like your input to serve you the best way possible.

Thank You!!

QUESTIONNAIRE

STATE OR PROVINCE _____

OFFICIAL NAME OF STATION _____

Name of Director or responsible administrator

A. Complete address of station:

Phone: _____ Fax: _____

E-mail: _____

B. Complete, on campus or departmental, address:

Phone: _____ Fax: _____

E-mail _____

C. Complete address of permanent residence of director:

Phone: _____ Fax: _____

Is one of the above locations preferred as the address to which
dues notices and other OBFS correspondence be sent? If so, please
indicate by using an *

The Pika's Revenge

W.N. Tiffney, Jr.

The Pika's Revenge

Yes, they'll kill you, and they'll grill you,
And they'll serve you up for lunch,
But that big old PA pika
Will have the final munch.

'Twas in dry South Dakota, near the little town of Wall,
I was punchin' down the Interstate and sittin' mighty tall.
I'm the fattest big ol' trucker that ever yet was born,
And the meanest critter killer that never pulled a horn.

Then the cutest little antelope that ever did you see,
Jumped straight up off the roadside and right in front of me.
So I took it off the bumper (though I crossed the yellow line)
And later, when they grilled it, it tasted mighty fine.

Then up around Wyoming, near where Custer met his fate,
I was humpin' that I-90, 'though 'twas gettin' pretty late.
A big old elk was on the verge, just looking I must say,
But I swerved my 18 wheeler, and blew that buck away.

'Twas on Montana's U.S. 2, the Roosevelt Highway,
When Mister Grizzly Bear he did dispute the right of way.
My 38 tons tenderized his buns, and he tasted real OK.
You see my girl's the chef at the old Roadkill Cafe.

"You kill 'em and we grill 'em" is their motto strong and true,
And if you bring 'em in the meat, that's just what they will do.
They're up in Idaho, in a place I must not tell,
But if you ever find it, then it's more than just plain swell!

Now bangin' down I-80 in the state of old PA,
A-mindin' my own buisness and goin' on my way,
Near the town of Rector, whatever did I meet,
But the biggest, meanest pika that ever walked on feet!

He reared up on his haunches, drew out his .44,
Shot out my front two tires so's to even up the score.
That's why I tell my tale from the depths of Hell today,
And, as for that big pika, he just turned and walked away.

So I'll no more eat my fill at that fine Roadkill Cafe,
I'll no more hop my Peterbuilt and be upon my way.
Now all you long-drive truckers, there's Merritt when I say,,
Don't be a meat provider for that wild Roadkill Cafe.

Yes, they'll kill you, and they'll grill you,
And they'll serve you up for lunch,
But that big old PA pika
Will have the final munch.

- W. N. Tiffney, Jr.
Nantucket Field Station, 1994.

Message from the President

At the annual meeting at Flathead Lake, I read a quote from Stephen A. Forbes verbalizing his rationale for establishing a century ago the University of Illinois Biological Experiment Station, now known as the Stephen A. Forbes Biological Station. Several members asked if that 1894 quote could be included in the newsletter. I include the quote below with some additional information.

"Not many years ago biological instruction in American colleges was mostly derived from books: of late it has been largely obtained in laboratories instead: but several years' experience of the output of the zoological college-laboratory has firmly convinced me that the mere bookworm is hardly narrower and more mechanical than the mere laboratory grub. Both have suffered, and almost equally, from a lack of opportunity to study nature alive." -- Forbes 1894

Of course that is the mission of many OBFS stations -- to study nature alive!

Forbes established the Biological Station at Havana on the Illinois River on 1 April 1894. Apparently the station became the first inland aquatic biological station in America equipped for continuous investigation and the first in the world to undertake the serious study of the biology of a river system.

According to Forbes his rationale for establishing the station was "to contribute largely to a thorough-going scientific knowledge of the whole system of life existing in the waters of this State, with a view to economic as well as educational applications, and especially with reference to the improvement of fish culture and to the prevention of a progressive pollution of our streams and lakes," and his hope that the station might someday "occupy a rich and promising field of original biological investigation hitherto largely overlooked or neglected not only in America but throughout the world."

His plans for the station were extensive: "It has for its field the entire system of life in the Illinois river and connected lakes and other adjacent waters, and it is my intention to extend work as rapidly as possible to the Mississippi River system, thus making a beginning on a comprehensive and very thoroughgoing work in the general field of the aquatic life of the Mississippi Valley, in all its relations, scientific and economic." Forbes believed that "by such studies one gets a vivid idea of the individuality of a river as an organism, and of the complexity of its structure and sensitiveness of its physiological reactions."

Sincerely,



Stephen P. Havera
President
Organization of Biological Field Stations

Adirondack Ecol Center Dr William Porter S Huntington Wildlife Forest Rt 28N Newcomb, NY 12852	Bard College Field Sta Erik Kiviat Annandale on Hudson New York 12504	Brackenridge Field Lab Dr Lawrence Gilbert S Dept of Zoology Texas, University of Austin, TX 78712
Albright College Richard G Heller S Mountain Meadows Res Reading, PA 19612-5234	Barrow, J H Biol F St Mary C Truax S Dept of Biology Hiram College Hiram, OH 44234	CMU Biological Station Dr James C Gillingham S Dept Biology Central Michigan Univ Mt Pleasant, MI 48859
Andrews, HJ Exp Forest Arthur McKee S Dept Forest Science P O Box 300 Blue River, OR 97413	Belle Baruch Inst Dr John Vernberg S Marine Biol & Coastal Univ South Carolina Columbia, SC 29208	Calder Center, Louis Dr John Wehr, Dir S Fordham University Drawer K Armonk, NY 10504
Archbold Biol Sta John W Fitzpatrick S P O Box 2057 Lake Placid FL 33852	Bermuda Biol Station for Research, Inc S Dr Anthony Knap Ferry Reach 1-15 Bermuda	Canadian Org for Tropi cal Education (COTERC) Marilyn Cole S Box 335 - Pickering Ontario L1V 2R6
Archbold Tropical Res Dr Thomas E Lacher S 130 Lehotsky Hall Clemson University Clemson SC 29634	Big Creek Reserve * John Smiley S Resident Manager Univ California Big Sur, CA 93920	Cano Palma Biol Sta Marilyn Cole, Dir S Tropical Education Box 335 Pickering, ONT L1V 2R6
Au Sable Institute Dr David C Mahan S Environmental Studies 7526 Sunset Tr N E Mancelona MI 49659	Bimini Biological Sta Dr Samuel H Gruber S c/o RSMAS 4600 Rickenbacker Cswy Miami, FL 33149-1098	Cape Tribulation F Sta Dr Hugh Spencer S Private Mail Bag 5 Cape Tribu via Mossman Qld 4873 Australia
Augustana College Green Wing Env Lab S Dr Bohdan Dziadyk 639 38th Street Rock Island IL 61201	Black Rock Forest Con William Schuster S Box 483 Continental Rd Cornwall, NY 12518	Cedar Creek Nat Hist Dr Dave Tilman S Univ Minnesota 2660 Fawn Lake Dr NE Bethel, MN 55005
Babcock Nature Pres Dr John Wrazen S Johnson State College Johnson VT 05656	Blandy Experiment Farm Dr Michael A Bowers S Univ of Virginia P O Box 175 Boyce, VA 22620	Cedar Point Biol Sta Dr John Janovy S 348 Manter Hall - Bio University Nebraska Lincoln, NE 68588-0118
Bahamian Field Sta Gerace, Donald T S P O Box 2488 Port Charlotte FL 33949	Bodega Marine Lab and Reserve * Dr Peter Connors S Univ of California Bodega Bay, CA 94923	Ctr for Coastal, Marine Dr David L Bechler S Lamar University P O Box 10037 Beaumont TX 77710
Bamfield Marine Sta Dr Andy Spencer S General Delivery Bamfield, B.C. VOR 1B0 Canada	Bowdoin Scientific Sta Dr Nathaniel Wheel- wright S Dept of Biology Brunswick, ME 04011	CEPARNIC Dr Timothy Moulton S Secretaria Do Meio Am Caixa Postal 43 11990 Cananei SP Brazil

Chapala Ecology Sta Laura Davalos-Lind S Baylor Univ - Biol P O Box 97388 Waco, TX 76798	Desert Studies Center Dr William Presch S Biology - PO 34080 California St Univ Fullerton, CA 92634	Hartwick Coll Biol Sta Dr Robert R Smith S Biology Department Hartwick College Oneonta, NY 13820
Charleston, Univ of Carl T Meadors S Dept Biology 2300 MacCorkle Ave SE Charleston, WV 25304	Eagle Hill Wildlife Research Station S Joerg-Henner Lotze, Dir Dyers Bay Road Steuben, ME 04680	Hastings Nat History * Reservation S Dr Mark R Stromberg 38601 E Carmel Valley Carmel Valley CA 93924
Churchill Northern Studies Centre S Dr Jim Neufeld Box 610 Churchill Manitoba Canada ROBOEO	Eagle Lake Bio Sta * Raymond J Bogiatto S Dept Biol Sciences CSU, Chico Chico, CA 95929	Hatfield Marine Sci Ct Lavern J Weber S Oregon State Univ 2030 S Marine Sci Dr Newport, OR 97365
Cloquet Forestry Ctr Robert A Stine S Univ Minnesota 175 University Road Cloquet, MN 55720	Ecological Field Sta David C Allison S Monmouth College Dept of Botony Monmouth, IL 61462	Hawaii Inst Marine Bio Director S Univ Hawaii - Manoa P O Box 1346 Kaneohe, HI 96744-1346
Conard Environmental Research Area S Director Grinnell Coll-Dept Bio Grinnel, IA 50112	El Verde Field Sta Robert B Waide S CEER-Terretrial Ecol GPO Box 363682 San Juan PR 00936	Hawk Mountain Sanct Keith Bildstein S Route 2 Box 191 Kempton, PA 19529
Cranberry Lake Bio Sta William M Shields S SUNY College Environ Science & Forestry Syracuse, NY 13210	Flathead Lake Biol Sta Dr Jack Stanford S Univ Montana 311 Bio Station Lane Polson, MT 59860	Highlands Biol Sta Dr Richard C Bruce S P O Drawer 580 Highlands, NC 28741
T B Crowley Laboratory Dr Ross F Shaw S Seattle Pacific Univ Seattle, WA 98119	Forfar Field Station Dr Walter B Bohl S Int Field Studies 709 College Ave Columbus, OH 43209	Hopkins Marine Stat Dr Dennis A Powers S Stanford University Pacific Grove, CA 93950
Delta Marsh Field Sta Dr Gordon Robinson S University Manitoba Winnipeg, Manitoba Canada R3T 2N2	R S Friedman Field Sta Carl Merrill S Biology Department Suffolk Uni-Beacon Hill Boston, MA 02114	Huntsman Marine Sci Director S Brandy Cove Road St Andrews - N B Canada EOG 2X0
Desert Research Inst Dr Harold Klieforth S P O Box 60220 Reno, NV 89506	Granite Mountain Res Claudia Luke-Jim Andre Univ Ca - Riverside S P O Box 101 Kelso, CA 92351	Huyck, E N Preserve Dr Richard L Wyman S P O Box 189 Rensselaerville NY 12147
Desert Station Dr Robert L Smith S Univ of Arizona Forbes Bldg Rm 410 Tucson, AZ 85721	Hancock Biol Station David White S Murray State Univ Murray, KY 42017	Idaho, Univ of, Field Station - Clark Fork Kenneth W Kinucan S P O Box 87 Clark Fork ID 83811

Illinois Natural History Sur Biol Stations Dr Stephen P Havera S Box 599 Havana, IL 62644	Kellogg, W K Bio Sta Mike Klug Michigan State Univ 3700 East Gull Lake Dr Hickory Corner MI 49060	Malheur Field Station S Director S HC 72 Box 260 Princeton, OR 97721
Indian River Marine Dr Walter G Nelson S Florida Inst Tech 150 W University Rd Melbourne, FL 32901	Kern River Research Ctr Dr Pamela L Williams S P O Box 990 7872 Fay Ranch Road Weldon, Ca 93283	Manomet Bird Observato Katharine Parsons S Field Bio Training Pro P O Box 1770 Manomet, MA 02345
Inst of Ecosystem Stu Mary F Cary Arboretum Dr Gene Likens S Box R Millbrook, NY 12545	Kibbe Life Science St Dr Richard V Anderson S Dept Biology Western Illinois Univ Macomb, Il 61455	Marine Science Center Dr Larry Liddle S Southampton Campus Long Island University Southampton, NY 11968
Inst of Neurobiology Dr Richard Orkand S 201 Blvd del Valle San Juan, Puerto Rico 00901	Konza Prairie Res Area Dr O J Reichman Kansas State Univ Div Biology-Ackert Hall Manhattan KS 66506	McCall Field Campus Carol Spain S Col Forestry, Wildlife Univ Idaho Moscow, ID 83844-1142
Iowa Lakeside Lab Arnold Van Der Valk S 131 Bessey Hall Iowa State University Ames, IA 50011	Lacawac Sanctuary Sally J Jones, Dir S R R #1 Box 518 Lake Ariel, PA 18436	Meanook Biol Sta Dr E E Prepas S CW312 Biol Scie Bldg Univ Alberta, Edmonton Canada T6G 2E9
Itasca Biol Program Dr Donald B Siniff S 318 Church Street S E Univ of Minnesota Minneapolis, MN 55455	Lilley Cornett Woods Dr William H Martin S Div Natural Areas Eastern Kentucky Univ Richmond, KY 40475	Meeman E J Bio Field Dr Michael Kennedy S Life Science Bldg 321 Memphis State Univ Memphis, TN 38152
James San Jacinto Mountains Reserve * Michael Hamilton S P O Box 1775 Idyllwild, CA 92349	Lloyd Center Env Stu Dr Robert Dalglish S Asso Vice Chancellor Univ Mass at Dartmouth N Dartmouth, MA 02747	Michigan, Univ of Bio Sta - Nat Sci Bldg Dr James Teeri S 1111 Nat Science Bldg Ann Arbor, MI 48109
Jasper Ridge Biological Preserve Dr Philippe S Cohen S Stanford University Stanford, CA 94305	Long Marine Lab * Steve Davenport S Univ California Santa Cruz, CA 95064	Mira Costa College Dr Lane McDonald S San Elijo Campus 3333 Manchester Ave San Diego, CA 92007
Kananaskis Field Station Director S Univ of Calgary 2500 Univ Drive NW Calgary Alberta T2N 1N4	Louisiana Univ Marine Consortium (LUMCON) S Dr Paul W Sammarco 8124 Highway 56 Chauvin, LA 70344	Mohonk Preserve Inc Paul C Huth S Director of Research Mohonk Lake New Paltz, NY 12561
Kansas, University of Dr W John O'Brien S Nelson Environmental Studies Area Lawrence, KS 66045	Lytle Preserve Dr Stanley L Welsh S Brigham Young Univ Rm 290 - MLBM Provo, UT 84602	Monticello Ecological Dr Michael C Swift S Minnesota, Univ of P O Box 500 Monticello, MN 55362

Moss Landing Marine Director S P O Box 450 Moss Landing, CA 95039-0450	O T S Dr Donald E Stone S Exec Director P O Box 90630 Durham, NC 27708	Pymatuning Lab of Ecol Dr Richard Hartman S Univ Pittsburgh Dept Biol Sciences Pittsburgh, PA 15260
Mount Desert Island Biological Laboratory S Barbara Kent Box 35 Salsbury Cove, ME 04672	Oklahoma, Univ of Biological Station Dr Loren G Hill S 730 Van Vleet Oval Norman, OK 73019	Rancho del Cielo Lawrence V Lof S Texas Southmost Coll Brownsville, TX 78520
Mountain Lake Bio Sta Henry M Wilbur S University Virginia Gilmer Hall #238 Charlottesville VA 22903	Oneonta State Univ Dr Willard N Harman S Biology Department Oneonta, NY 13820	Raystown Field Station Chuck Yohn S Juniata College Huntingdon, PA 16652
Mountain Research Sta Dr William Bowman S University of Colorado CB 450 Boulder, CO 80309	Ordway Nat History Shelley A Shreffler S 9550 Inver Grove Trail Inver Grove Hts, MN 55076-3816	Reelfoot Lake Res Ctr Wintfred L Smith S Dept Biol Sciences Univ Tennessee -Martin Martin, TN 38238
Nantucket Field Sta Dr Wesley Tiffney Jr S Univ of Massachusetts 180 Polpis Rd Nantucket, MA 02554	Oregon Institute of Marine Biology Dr Lynda Shapiro S Univ of Oregon Charleston, OR 97420	Reis Biological Sta Dr Nevin Aspinwall S St Louis Biology 3507 Laclede Avenue St. Louis, MO 63103
National Audubon Soc Bill Branon Appleton-Whittell S P O Box 44 Elgin, AZ 85611	Ouachita Mountains Biology Station Dr Richard Spears S Rt 1 Box 221-C Mena, AR 71953	Rensselaer Fresh Water Dr S Nierzwicki-Bauer S Science Center 1W14 Rensselaer Polytechnic Troy, NY 12181
National Audubon Soc Starr Ranch Sanct S P O Box 967 Trabuco Canyon CA 92678	Ozark Natural Sci Ctr Ellen Neaville Dir S #1 Timber Trails Rogers, AR 72756	Rice Creek Field Sta Dr Andrew Nelson S State University of New York College Oswego, NY 13126
Natural Reserve Sys * Mr Jeffery Kennedy S 300 Lakeside Dr-6th Fl Oakland, CA 94612-3560	Pepperwood Ranch Natural Preserve S Greg de Nevers 3450 Franz Valley Rd Santa Rosa CA 95404	Rincon Institute Luther Propst S 6842 E Tanque Verde Rd Tucson, AZ 85715
Northern Plains Biol Field Sta - Box 2104 Dr Nels Troelstrup S South Dakota St Univ Brookings SD 57007	Pinelands Field Res St Dr John Dighton S Rutgers University Dept Biology Camden, NJ 08102	Rocky Mountain Bio Lab Susan Lohr, Dir S P O Box 519 Crested Butte, CO 81224
Notre Dame Env Res Ronald A Hellenthal S Univ Notre Dame Environmental Res Cen Notre Dame, IN 46556	Powdermill Nature Res Dr Joe Merritt S Star Route South Rector, PA 15677	Sagehen Creek Field Sta Dr Reginald Barrett S Uni California Forestry 145 Mulford Hall Berkeley, CA 94720

St Catherine Island
Royce Hayes S
Rt 1, Box 207-Z
Midway, GA 31320

Southwestern Res Sta
Dr Wade C Sherbrooke S
P O Box G
Portal, AZ 85632St

Vermilion Com College
Northern Forest Biol
Field Station S
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