

**Organization of
Biological Field Stations**

**Newsletter
No. 55
Winter 1992**



ORGANIZATION OF BIOLOGICAL FIELD STATIONS

Number 55

Winter 1992

Newsletter Editor

Joseph F. Merritt

Powdermill Biological Station

The Carnegie Museum of Natural History

Rector, PA 15677

NEWSLETTER

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I. MINUTES -- 1992 ANNUAL MEETING FOR BUSINESS,
MALHEUR FIELD STATION, PRINCETON, OR, 17-20
SEPTEMBER

A. In attendance: Appendix I lists those attending.

B. President Susan Allen Lohr called the meeting to order, and described the schedule for the business meeting. Appointees to the nominating committee were announced: Dave Mahan (Chairman), Laura Carter and Dan Dawson. Offices to be filled are: President (1 yr), Vice-President (1 yr), Member-at-Large (2 yr), and Editor (2 yr).

C. The minutes of the 1992 meeting held at La Selva Biological Station were approved as circulated in the fall '91 Newsletter.

D. Report of the Secretary (R.W. Coles): Currently membership stands at 176, there being 140 station members and 36 individual members. Since the last annual meeting 13 new stations have become members, and 6 new individuals have joined. There are new directors at 10 member stations. There have been 8 resignations. An appendix will present the current membership in a format ready for copying on to mailing labels. As this format may be less convenient for some purposes, the membership list (as of Sept. '92) has been compiled in a different format by Susan Lohr et al at RMBL. This version of the membership roster is also attached for all who may find it useful.

E. Report of the Treasurer (R.W. Coles): As of August 31, 1991 the treasury held \$12,215.53. During our fiscal year which ended August 31, '92 we received income of \$7646.27 - from dues, \$7081.49 and from interest, \$564.78. Expenses totaled \$6265.26, including: office and misc., \$1922.36; AIBS dues, \$100.; travel (by AIBS rep and by guests invited to the '91 annual meeting (both were already in Costa Rica)), \$1051.15; Newsletter \$917.50; Directory expenses (including \$1465. for software), \$2266., and Missouri incorporation fee, \$1.00. Thus the net addition to our resources over the year was \$1381.01. Appendix III presents details. Note, to facilitate payment of expenses of the forthcoming Directory, all our assets are in a NOW checking account at the Jefferson Bank, Eureka, MO.

F. Report of the Editor (Joe Merritt): The 1992 OBFS Directory is at the press which is "doing the layout". A draft of typical contents was presented and discussed. There are an additional 49 stations (including 9 Canadian) represented beyond those, described in the 1989 edition. Layout and design of the 216 (about) page tome will be similar to the prior version with

"perfect" binding and increased user-friendliness achieved by color coding on indexing "tabs", presentation of a station's telephone numbers at two places, etc.

To facilitate distribution of 2 copies to each station member and 1 copy to each individual member, and to deliver the remainder of the 1500 copies planned, to the OBFS/Tyson office, Eureka, MO, a freight van will be rented. Requests (some on hand already) will be filled from the office. The availability of the Directory will be mentioned again on the '93 poster, and Joe will place announcements in various professional Newsletters. (Note: subsequent to the annual meeting, it was decided to raise the price of the Directory from \$5. plus postage and handling to \$10. including postage and handling.)

Regarding the Newsletter, the Editor had no specific comments to offer but repeated that suggestions and contributions from members are always welcome, especially self-descriptions from new member stations.

G. Report of the Historian (Bob Fisher): Since the historian has been on sabbatical in Costa Rica there has been little recent activity. Bob's phased-retirement is underway but he will still be our historian and plans to attend the '93 annual meeting. As always he welcomes suggestions, recollected tidbits, and pictures (especially!) from the members. A brief slide show was scheduled for a time outside the business meeting.

H. Report of the Summer Course Announcement Poster Editor (Susan Lohr): The '92 poster listed 53 stations, each having paid \$55. In '93 the charge will be \$60 due to increased costs for bulk mailing, and for the AIBS mailing list of Biology Departments. To reduce mailing to redundant and irrelevant recipients, the list will be "culled" before mailings occur. Susan welcomes photos of research/education in the landscape. The '93 format will be horizontal and the eye catching border will probably be some kind of pusillanimous purple! Solicitation of input from those wishing a listing will occur shortly.

I. Report of the AIBS Representative (Steve Havera): Steve again represented OBFS at the Feb. '92 meeting of the AIBS Council. His report appears as Appendix III below. Commenting that "Even a blind pig finds an acorn once in a while", Steve confessed to having been elected to the AIBS Board, so his travel expenses to (more numerous) meetings will be covered by AIBS.

As decided in '91, the OBFS membership list has been made available to the National Register of Life Scientists with which John Fitzpatrick serves as liaison.

J. Future Meeting Sites (Susan Lohr): The '93 meeting will occur at the Adirondack Ecology Center, (AEC), hosted by Bill Porter and Dick Sage. The site was described using slides and commentary. The AEC is within the 6 million acre Adirondack Park. It is a 3 hr. drive from Syracuse; 2 hrs., from Albany. The highlands habitats have lakes, and mountains covered by thin soils and northeastern hardwood forest. Maple syrup sells for about \$55/gal. The ACE is situated on the southwest side of Rich Lake in the 15,000 acre Huntington Wildlife Forest near Newcomb, N.Y. There are a half dozen other sizeable lakes in the area and 25 miles of roads. The headwaters of the Hudson River are here, as well as portions of the St. Lawrence River watershed. To better acquaint OBFS visitors with these resources, the offering of a flight in small aircraft over the area is under consideration.

AEC is part of the college of Environmental Sciences of Forestry at SUNY-Syracuse. There is a resident staff of 12. The 16-person cabins hold 70 with ease and by the time of our gathering there this capacity will probably be increased. It would be helpful if attenders can bring a sleeping bag. Rain gear is strongly recommended. Probably there will be shuttle bus service arranged for OBFS attenders coming through Syracuse and perhaps Albany. At our time of year the roads may be crowded by foliage-tourists. Probable dates are Sept. 22-26 if there are no local conflicts.

It was decided to meet in '94 at the Flathead Lake Biological Station in Montana. The tentative site for our '95 meeting is the Treehaven Field Station, Tomahawk, Wisconsin. Invitations for future meetings have been received from the White Mountain Research Station, (California), the Mountain Research Station (Colorado), and the Northern Studies Center (Churchill, Manitoba).

K. Reports of Standing Committees:

1. Education. (Aspinwall (chair) Shaw, Lein) The committee suggests we consider submitting a proposal to I.L.I. for instrumentation to support education at field stations and that we consider setting up a network of stations to be visited by touring classes focusing on specific habitats (like Fresh Waters, Forests, or grasslands). Each group would visit several sites in a loop thus enabling participants to gain wider familiarity and broader exposure than that made available in a summer's experience at a single station.

The committee applauded the gathering of information regarding fees and charges at stations by Kathy Northcut of RMBL.

2. Research. (Steve Havera (chair), Klieforth, McKee, Stanford, Porter, Scharf, Wyman) The committee observed that: (1) increasing OBFS membership is gratifying but, why are there few stations from some states like Washington, Texas, etc. and

why don't more LTER sites belong? Such sites would enrich and diversify the experiences of all members; perhaps they should receive encouragement to join. (2) Furthermore, we should increase the visibility of field stations in order to build public appreciation of what we do and our biosensibility with regard to the environment. (3) We should reach out to other (non-NSF) funding sources, like foundations and tell them what we are and what we do. (4) Perhaps there should be an OBFS-advisory/advocacy committee of influential and sympathetic persons drawn from the national community. (Some stations have contacts with persons like Robert Redford and Ted Turner, and with foundations like McArthur, and Ordway.) (5) Perhaps we should have our own foundation/endowment to provide central funding for our educational, and environmental activities.

The committee recommended a topic for discussion at next year's meeting: Outreach by Field Stations - how do we communicate about our findings, biological assets and contributions?; how do we alert the public concerning our obvious virtues? Perhaps we should invite Paul Risser, Tom Lovejoy and or Steve Hubble (National Institute for the Environment) to the meeting.

The committee suggested a questionnaire be used to gather information on how much funding from NSF comes to field stations by the various routes. The total might prove useful in efforts to build NSF appreciation for the importance of field stations.

Perhaps there should be a gala event held at a field station (using the nearby facilities of a fancy hotel or ski area for accommodations). The spectacular scenery and the contributions of the station's programs in education and research would impress the influential persons to be invited. By this stratagem we might build our image among the movers and shakers of today.

3. Administration/Facilities (Connors (retired chairperson)) This committee has not met recently. There is a need for a person with a commitment to facilities and administration to spearhead rejuvenation of the committee, if desired.

4. Program (McKee (chair), Housley, Porter) The present program represents the '92 report of the committee. By significant coincidence this committee's discussion also focused on building public awareness of OBFS. It was suggested that a panel of influential and media people be assembled. Suggestions (known to one or another OBFS person), included: John Wolmec (N.Y. Times, who will visit Andrews), Jane Brody (known by Ron Lawrenz) Sam Hurst (an NBC producer known by Susan Lohr), Senator Tim Wirth (also known by Susan Lohr), Risser, Lovejoy, and Hubble (as above) and/or "some PR consultant". Such a group could help us disseminate our message widely. The assumption is that we are most worthy of the appreciation of many who know little or nothing about us. Perhaps such a panel could meet with us in the Adirondacks which is not so far from New York city.

The establishment of an added panel of our members to discuss our outreach activities was also suggested.

Chairperson Art McKee invited added suggestions by members and committees for next year's program.

5. Public Relations (Calabrese (chair, in absentia) Carter, (who led the meeting), Gibson) D. Calabrese is prompting the Washington Post (etc) to do an article on field stations. Members are encouraged to use the new brochure (copies are available from Dick Coles; there are many). L. Carter continues to help NATURAL HISTORY with regard to its content in an ad hoc capacity. She tries to put the scientist/writer in touch with the right persons at the magazine.

6. International (Wyman (chair) Clark, Crandell, Dziadyk, Kennedy, Northcut, Robinson, Sherbrooke) The discussions and recommendations of this committee are encapsulated in a report presented by its chairman. This report appears as Appendix IV below. In order to permit contacting distant field stations a budget of \$200 was requested; a motion to provide that amount was passed.

L. Old Business:

1. A letter to President Calderon in Costa Rica concerning protection of their national park system has been written. As communication (including by mail) is a problem there, the letter was to be hand carried. There has been no response yet.

M. New Business:

1. The executive committee recommended a change in the Constitution and Bylaws expanding the terms of office for the President and for the Vice-President, from the present 1 yr to 2 yrs. This change which would first apply to the terms to begin in Jan '94 would provide greater continuity and stability and would allow application of that which has been learned while in the first year in office to matters which may arise or continue in the second. There would be no immediate self-succession. A current Vice-President could be nominated to serve as President. A motion was passed to present these changes, which would require a 2/3 majority for approval, on the upcoming ballot.

2. Susan Lohr has been asked by the Board of Trustees of her facility (The Rocky Mountain Biological Laboratory) to set up an ad hoc committee to assist RMBL as an external committee to review/evaluate the RMBL Administration and Operations process. Persons interested in serving on such committees for OBFS should send a curriculum vitae (one-page) to Susan Lohr, President of OBFS.

3. It had been suggested that OBFS form an ad hoc committee to handle our relationship with the NSF. However, rather than form yet another committee at this time, it was decided to function as a "committee of the whole" with regard to this important relationship.

4. The Report of the Nominating Committee presented the following victims who, if elected, are willing to serve: President, Susan Lohr; Vice-President, Art McKee; Editor, Joe Merritt; Member at Large, Bob Hastings and Jack Stanford. This slate was accepted with gratitude to all concerned and will appear in the ballot.

5. A motion was passed to set the '93 dues at the same rates (\$50 for station members; \$10 for individual members) as at present.

6. With regard to the suggestion from the Research Committee that non-member North American stations be contacted and encouraged to join our ranks, Susan Lohr agreed to draft a letter of invitation. The membership is encouraged to tell Susan of stations which they think should receive such a gentle prompt.

7. Ron Lawrenz (St. Croix Watershed Research Center; 16910 152nd St., North; Marine on St. Croix; MN, 55047) now has available a Master Plan for his facility. He would appreciate receiving comments on the plan from those willing to provide same. Those wishing to participate in this process should contact Ron who will send you a copy of the plan.

8. The meeting expressed emphatic appreciation to Becky Palmer who assists the Secretary-Treasurer and to Lucille Housley, her colleagues and staff at the Malheur Field Station for putting on a wonder-full meeting for the Organization of Biological Field Stations in 1992!!

9. The Meeting for Business was adjourned at 10:30 a.m. Sunday, Sept. 20, 1992

* * * * *

Host Station: Malheur F. S. Lucile Housley Robert M. Storm Ed Lippert		Robert W Hastings Turtle Cove Biol Sta Louisiana	Station
Nevin Aspinwall Reis Biological Station Missouri	Station	Stephen P Havera Ill Natural History Survey Illinois	Station
Chuck Aid Mountain Research Station Colorado	Station	Jeffery Kennedy UC Natural Reserve System California	Station
Virginia Bouchet Sagehen Creek Field Sta California	Station	Ken Kinucan Clark Fork Field Campus Idaho	
Laura S. Carter E N Huyck Preserve (Bd of Directors) NY	Individual	Harold E Klieforth Whitell Forest Nevada	Station
Richard W Coles Washington U Tyson Res Missouri	Station	Ron Larwenz St Croix Watershed Minnesota	Station
Peter Connors Bodega Marine Lab California	Station	Joe Leverich Reis Biological Sta Missouri	Visitor
Daniel R Dawson Valentine Eastern Sierra California	Station	Susan Allen Lohr Rocky Mountain Biol Lab Colorado	Station
Bohdan Dziadyk Green Wing Env Lab Illinois	Station	Dave Mahan Au Sable Institute Env Michigan	Station
Leo R Finkenbinder Quetzal Education Res Costa Rica	Station	Arthur McKee H J Andrews Exp Forest Oregon	Station
Robert L Fisher Raystown Field Station Pennsylvania	Individual	Joseph F Merritt Powdermill Nature Res Pennsylvania	Station
Kathleen Gibson Meanook Biol Res Sta Alberta, Edmonton	Station	Allan Muth Boyd Deep Canyon Desert Res California	Individual
Alan Grundman Jasper Ridge Biol Pres California	Station	William Porter Adirondack Ecol Center New York	Station

William C Scharf Individual
Cedar Point Biol Sta
Nebraska

Ross F Shaw Station
Thomas Crowley Lab
Washington

Wade C Sherbrooke Station
Southwestern Res Sta
Arizona

Jack A Stanford Station
Flathead Lake Biol Sta
Montana

David L Trydahl Station
White Mountain Res Sta
California

Liz Warner Station
Idaho McCall Field Cam
Idaho

David S White Station
Hancock Biol Station
Kentucky

Richard L Wyman Station
Huyck Preserve
New York

Jeff Yeo Station
Wilderness Res Ctr
Idaho

Chuck Yohn Station
Raystown Field Sta
Pennsylvania

CURRENT STATUS OF OBFS MEMBERSHIP

176 members - 140 station members; 36 individual members
19 new members - 10 New Directors at Member Stations
8 resigned

NEW MEMBERS

I David Bosanko - Cedar Creek Natural History Area MN
I Virginia Boucher - Sagehen Creek Field Sta CA
I Tom Crandell - Univ Michigan Biol Sta MI
S Greg de Nevers - Pepperwood Ranch Natural Pre CA
S Walter Dunn - McCall Field Campus ID
S Dr Bohdan Dziakyk - Augustana College Green Wing IL
S Dr Donald Gerace - Bahamian Field Sta Bahamas
I Stephen Golloday - Oklahoma Univ Biol Sta OK
I April Jones - Univ Michigan Biol Sta MI
S Sally Jones - Lacawac Sanctuary PA
S Dr Thomas Lacher, Jr - Archbold Tropical Res Ctr SC
S Dr Gene Likens - Mary Flagler Cary Arboretum NY
S Ellen Neaville - Ozark Natural Science Ctr AR
I Mark Reynolds - Sagehen Creek Field Sta CA
S Dr Paul Sammarco - Marine Research & Education Ctr LA
S Dr Robert R Smith - Hartwick College Biol Sta NY
S Dr Stephen Sulkin - Shannon Point Marine Ctr WA
S Dr John Wrazen - Babcock Nature Preserve VT
S Dr Jeffrey Yeo - Wilderness Research Ctr ID

NEW DIRECTORS AT MEMBER STATIONS

Raymond Bogiatto - Eagle Lake Biol Field Sta CA
Dr William Bowman - Mountain Research Sta (INSTAAR) CO
Jim Brett - Hawk Mountain Sanctuary Asso PA
Churchill Northern Studies - Not named Manitoba
Patricia Dooley - Seatuck Research Program NY
Dr John Hageman - Thomas More College KY
Dr Mark Morgan - Rutgers Pineland Field Sta NJ
Robert Stine - Cloquet Forestry Center MN
Mary Truax - Barrow Biol Field Sta OH
Dr John Wehr - Louis Calder Ctr NY

RESIGNED

Dr George Crozier - Dauphin Island Sea Lab AL
Dr David Clark - La Selva Biol Sta Costa Rica
Dr Ronald Dimock - Allen Biol Sta NC
Dr Boyce Drummond - Pike's Peak Res Sta CO
Dr Elmer Finck - Ross Natural History Reservation KS
Dr James Judge - Fort Burgwin Res Ctr TX
Dr Peter Marchand - Babcock Nature Pres VT
Dr Henri Willard - Tech Aqua

III. OBFS COMMITTEE REPORTS

A. FINANCIAL REPORT

Balance Checking Account, August 31, 1991 \$12,215.53

Income

Dues	\$7081.49	
Interest on NOW	564.78	
		<u>7,646.27</u>
		19,861.80

Expense

Office and Miscellaneous		
139.5 hr @ \$10.82	1509.39	
Postage	307.78	
Phone (toll calls)	41.54	
Xeroxing & Copying	63.65	1,922.36
P O Box Rental	7.25	
AIBS DUES		100.00
Meetings & Travel		
Pedro Leon	100.00	
Edgar Ortiz	100.00	
S. Havera	851.15	
		1,051.15
Newsletter		
Postage	300.00	
Printing	617.50	917.50
Directory		
Letters	21.00	
Typing	580.00	
Postage	200.00	
Software	1465.00	2,266.00
Incorporation Fee		1.00

6,265.26

Balance Checking Account August 31, 1992

\$13,596.54

* * * * *

B. REPORT OF THE AIBS REPRESENTATIVE

The AIBS Council meeting convened 12-14 February in Washington, D.C. AIBS was founded in 1947 as part of the National Academy of Sciences, and is now an independent federation of 50 scientific societies, representing more than 80,000 scientists. AIBS' mission is to address important public policy issues in the life sciences. The Council consists of 55 members including 12 board members, six members-at-large, and 37 representatives of societal members of AIBS, such as OBFS.

The theme of the Council meeting was Research Priorities, in both its planning and funding dimensions. The goal of the annual meeting was to increase and enhance the visibility and effectiveness of member's respective organizations in the national planning for scientific research and development initiatives. The public policy program of the meeting focused on the need for individual societies to interact with federal agencies in setting and implementing a comprehensive research agenda. Priorities in each subdiscipline should be established by societies representing professionals in that field, especially during this period of increasing financial pressures in government funding. The National Science Foundation has expressed a need for such information from scientific societies, and is willing to assist in the development of each society's agenda through workshops and seminars.

The public policy program featured Pat Werner, Director of the National Science Foundation's Division of Biotic Systems and Resources Division. Werner outlined the recent reorganization of NSF which removed the social and behavioral sciences from the Biology Directorate. In addition, she discussed how federal agencies set their research agendas, and offered suggestions as to how individual societies may assist in determining these agendas.

Other presentations focused on upcoming congressional action. Michael Bean, chairman of the Environmental Defense Fund's wildlife program, discussed the political dimensions of the reauthorization of the Endangered Species Act. This reauthorization has for the moment pushed the biodiversity legislation to the congressional back-burner. Finally, Curtis Bohlen, Program Director of the Chesapeake Bay Foundation, addressed the group on the re-authorization of the Clean Water Act.

A presentation on the Sustainable Biosphere Initiatives (SBI) was provided by James Gosz. The Sustainable Biosphere Initiative focuses on the necessary role of ecological science in the wise management of Earth's resources and the maintenance of Earth's life support systems. SBI is a multi-year, multi-disciplinary program which focuses on three priority areas: global change, biological diversity, and sustainable ecological systems.

It should be noted that one of the four goals of AIBS is to "enhance biological education and research." An objective of this goal is to "support education and research facilities." This objective is defined as follows: "Biological science depends on special facilities, such as field stations, botanical gardens, museums, biological preserves, sophisticated equipment, and large data bases. The AIBS will maintain an active inventory of their facilities, will involve professions in the evaluation of these resources, and will present an annual analysis of the highest priority needs for the support of those facilities."

A Plenary Address was presented by William F. Raul, Office of Science and Technology Policy; his topic was "A Paradox for National Policy."

An *ad hoc* review committee will be established to assess the quality of *BioScience* and to solicit comments on the status of the journal. This review

is not a negative assessment, but one to provide input for achieving and refining the goals of *BioScience*.

Interested Council members had an important and timely opportunity to meet with congressional staff on two legislative reauthorization issues -- endangered species and wetlands. Additionally, those council members interested in assisting federal agencies in the development of research priorities met with representatives from the Fish and Wildlife Service and from the Cooperative State Research Service in their Washington offices. In the past as well as this year, these small group visits of AIBS Council members with congressional staff have been productive and quite informative.

Respectively submitted by Stephen P. Havera, 1992.

C. REPORT OF OBFS INTERNATIONAL COMMITTEE

Present: Richard L. Wyman, chair, Jeffery Kennedy, Bohdan Dziadyk, Wade Sherbrooke, and Kathy Northcut.

The committee was charged with the task of determining the desirability and feasibility of establishing an international organization of biological field stations. During the year we contacted colleagues and researchers working at field stations and solicited feelings and ideas about this undertaking. Thoughts were unanimously positive. The majority thought was "of course it's a good idea, you mean there isn't one already?"

In fact, due to the recent additions of field station members in Australia and Africa our organization is already international. The purpose of the IOBFS would be: the advancement of biological science through 1) the development of research and teaching programs at field stations, 2) the implementation of cooperation among these stations, and 3) the dissemination of information about these stations (taken from our current constitution).

More specifically the committee members felt that a worthwhile undertaking would be to stimulate the development of regional OBFSs (e.g. an Australian OBFS, Chinese OBFS, etc.). Part of this objective is the task of gathering information about field stations in other countries and perhaps compiling a directory. Additionally the committee would like to learn what these other field stations and regional OBFSs would like to get out of such an organization. The Committee thought that the current OBFS might foster and nurture other regional organizations, perhaps sponsor members of those organizations to attend our annual meeting, and then begin world congresses of OBFSs every 3 to 5 years.

The committee is aware that it must avoid any indication of cultural imperialism. We wish to develop coequal partnerships with other field stations and OBFSs. The main point is to build an international network through which communications could flow about infrastructure, staff, activities at field stations, and events of interests to field stations.

The committee requests permission to proceed by

- 1) placing announcements about our intentions in appropriate newsletters (Tropinet, Bulletin of ESA, INTERCOL, etc.),
- 2) contacting appropriate international organizations which may be interested in this activity (such IUCN, UNMAB, European organization of field stations, the pre-sibling

Institute of Environment, etc.),

3. contacting individuals we know at other foreign field stations and letting them know of our undertaking with the hope of encouraging them to become members. Each member of the IOBFS committee would be responsible for a number of geopolitical regions on Earth. Hopefully other members of the OBFS would let us know of foreign field stations and colleagues at foreign field stations.

The committee thought that a budget of about \$200 was needed to offset copying and mailing costs.

Respectfully submitted
Richard L. Wyman, scribe

Members of the OBFS International Committee
Sept. 30, 1992

Richard L. Wyman, Chair
E. N. Huyck Preserve & Biological Research Station
Rensselaerville, NY 12147
(518) 797-3440

David Clark
OTS Apartado 676
2050 San Pedro de Montes de Oca
Costa Rica, Central America
(506) 71-68-97

Thomas Crandell
Univ. Michigan Biological Station
1111 Natural Science Building
Ann Arbor, MI 48109-1048
campus (313) 763-4461
station (616) 539-8406

Bohdan Dziadyk
Department of Biology
Augustana College
639 38th Street
Rock Island, IL 61201-2296
(309) 794-7331

Jeffery Kennedy
U.C. Natural Reserve System
300 Lakeside Dr. 6th Fl
Oakland, CA 94612-3560
(510) 987-0156 (voice) 763-6436

Kathy Northcut
Rocky Mountain Biological Laboratory
P.O. Box 519
Crested Butte, CO 81224
(303) 349-7231

Gordon Robinson
Delta Marsh Field Station
230 Machray Hall
University of Manitoba
Winnipeg, Manitoba
Canada R3T 2N2
campus (204) 474-9297
station (204) 474-2106

Wade Sherbrooke
Southwest Research Station
Box G
Portal, AZ 85632
(602) 558-2396

IV. ANNOUNCEMENTS AND QUESTIONNAIRES

A. FACULTY WORKSHOP

LABSHOP

A DIFFERENT KIND OF FACULTY WORKSHOP

For Instructors of Large Enrollment, Multiple Section Biology Laboratories

Have you seen or heard of great, investigative-type, hands-on laboratories that work well for an individual instructor who teaches one or two laboratory sections of a course? Unfortunately, such exercises seldom transplant well into large courses taught primarily by graduate assistants. **LABSHOP** is not a show-and-tell workshop for you to come and see how someone else did it. Rather, it is a true workshop where small teams of faculty will work to develop investigative-type laboratory activities specifically for large enrollment multiple section biology courses. **LABSHOP** will concentrate on a handful of essential concepts which traditionally give students problems. The goal is to have an initial set of activities field testable by Fall Semester. Before leaving, participants will logon to **BIOLAB**, a computer bulletin board being established to allow participants to share post-**LABSHOP** followup activities and to give the biological community access to the laboratories which we develop.

Who is Eligible?	Instructors involved in large, multiple section introductory biology courses
When is it?	June 13 - 18, 199 2 ³
Where is it?	Illinois State University, Normal, Illinois
What does it cost?	Registration deposit - \$50.00 LABSHOP FEE [room, partial board (breakfast and lunch), & materials] - \$250.00

Support from the National Science Foundation will provide refunds of the registration deposit, LABSHOP fee waivers, and travel allowances for 36 participants.

How to apply? Send a copy of your vitae, a description of your program, and a list of five concepts for which you would most like to have a good investigative-type laboratory,

to: Marshall D. Sundberg
Biology Coordinator
Louisiana State University
32 Agricultural Administration Bldg.
Baton Rouge, LA 70803
ph. (504) 388-8563, FAX (504)388-8459
e-mail BTMARSH @ LSUVM or SUNDBERG @ LIFE.JSC.NASA.GOV

Application Deadline: ^{Mar} Dec. 1, 199~~2~~³.

B. STUDENT CONSERVATION ASSOCIATION, INC.



The Student Conservation Association, Inc.

P.O. BOX 550, CHARLESTOWN, NEW HAMPSHIRE 03603 (603) 543-1700 FAX (603) 543-1828

Boulder, CO • Los Angeles, CA • Newark, NJ • San Francisco, CA • Seattle, WA • Washington, DC

December 7, 1992

Fostering
Conservation Stewardship
Since 1957

Dr. Richard Coles
Organization of Biological Field Stations
Tyson Research Center
Washington University
PO Box 258
Eureka, MO 63025

Dear Dr. Coles:

For over 35 years now, the Student Conservation Association (SCA) has served as a source for full-time volunteers to assist with conservation tasks nationwide. It occurred to me that OBFS members might be interested in our service, particularly in view of a special cost-sharing arrangement we are offering to nonprofit organizations, which I will describe below.

Through our Resource Assistant Program, which operates year-round, college students and other adults are placed in 12-week positions as professional aides. These individuals are recruited nationwide and SCA provides them with funds to cover travel and food expenses. Hosting agencies reimburse SCA for a share of the costs incurred in recruiting, fielding and supporting each volunteer and must also provide housing for the Assistants.

I am enclosing a fact sheet that presents additional information about this program. Please note that a hosting agency determines the duties and qualifications necessary for its positions, and also makes the final selection of an individual to fill any position.

To give you a sense of the program's scope, I am enclosing our listing of positions from last summer and fall, also.

One of our concerns in recent years has been that our standard cost-sharing arrangement has made it difficult for other nonprofit organizations to take advantage of our program.

Therefore, in 1993 we are testing a new arrangement which we hope will be of value to nonprofits: We will increase our financial contribution (using funds we raise from members and other private sources) from 25% to 50% of the total cost of carrying out a volunteer position.

HONORARY DIRECTORS
Mrs. Elizabeth C. Titus

Founding President
Mrs. Stephen C. L. Delano
Mr. Russell E. Dickenson
Mrs. Martha Munzer
Mrs. Olaus Murie
Mrs. Lee M. Talbot
Mr. Conrad L. Wirth

BOARD OF DIRECTORS

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Chairperson
Mr. Nicholas S. Lamont
Vice Chairperson
Mr. Samuel F. Babbitt
Mrs. Janet T. Bohlen
Mrs. W.L. Lyons Brown
Mr. Robert Cahn
Ms. Edith A. Cecil
Mr. Robert M. Clements
Mr. Leonard S. Coleman, Jr.
Mr. William C. Coleman
Mrs. Anne Childs Collins
Mrs. Susanne F. Donnelly
Mr. Martin M. Hale
Mr. Michael F. O. Harris
Mr. Freeborn G. Jewett, Jr.
Mr. Peter Hafner Jost
Stephen R. Kellert, Ph.D.
Mr. A. James Matson
Mr. John A. Miller, Jr.
Ms. Margaret E. Money
Mr. Edward W. Pell
Dr. Chester M. Pierce
Mr. Edward P. Roberts, Jr.
Mr. John B. Roberts
Mrs. Allison Whipple Rockefeller
Mr. Theodore Roosevelt IV
Mrs. Judith B. Sellers
Dr. Robert B. Weeden
Mr. Robert B. Zuckert

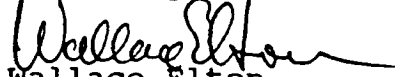
Mr. Scott D. Izzo
President
Mr. T. Destry Jarvis
Executive Vice President
Ms. Valerie J. Shand
Vice President, Administration
Mr. Scott C. Weaver
Vice President, Field Operations

The result is that a nonprofit's estimated dollar cost for a 12-week position will decrease by 1/3 from the standard \$1,995 to \$1,300 (the actual amount will depend on such variables as travel expenses).

Although we are well along in establishing our activity for the summer and fall of 1993, there still is time for us to arrange additional positions. If you think your members would be interested in learning about us, perhaps you can suggest how we can get this information to them.

If you have any questions, please contact me. I look forward to hearing from you.

Sincerely,



Wallace Elton
Program Director
Resource Assistant Program

WE/maa

**C. PLANNING QUESTIONNAIRE--1993 ANNUAL
MEETING--please return**

We are asking for your assistance in helping us plan the 1993 OBFS Meeting. This meeting will be held at the Adirondack Ecological Center located in the heart of the Adirondack mountains at Newcomb, New York. Please take a few minutes to fill out this questionnaire and return it to the address below:

**Adirondack Ecological Center
Attn: Richard Sage
Newcomb, New York 12852**

Name _____ Field Station _____

How many people from your station are likely to attend the 1993 meeting?

Air Transportation

The nearest airport is Albany, New York. It is a 2 hour drive from Albany to the field station in Newcomb. Flying into Syracuse, NY is an alternative. The trip from Syracuse to the station is 3 1/2 hours. Rental cars are available at either airport. We can arrange to shuttle attendees from the Syracuse airport to the station on Wednesday (Sept. 22) or Thursday (Sept. 23) with a return trip on Sunday (Sept. 26).

Would you prefer transportation to and from the Syracuse airport via College van? Yes No

All-day Field Trip

We are considering several options for all-day field trips on Thursday (Sept 23). Participants would need to arrive on Wednesday.

Would you participate in this field trip? Yes No

Which of the following trips would most interest you? Circle your choice.

- 1) Bus tour of central Adirondacks includes fall foliage, spruce grouse habitat, Lake Placid Olympic facilities, Whiteface Mountain Atmospheric Research Center (total time riding on bus 2 1/2 hours).
- 2) All-day hike (12 miles round-trip, rugged terrain) up one of the Adirondack high peaks includes, spectacular vista of high peaks region, forest and alpine ecology, birding.

- 3) Adirondack Museum (history of man in the Adirondacks) - additional fee of \$7.00/person.
- 4) Horse and wagon trip to Camp Santanoni - Adirondack "Great Camp", fall foliage.

Shorter Field Trips

As a part of the 3 day meeting, several opportunities exist to visit a variety of plant communities and on-going research activities at the station. From the list below please check three that most interest you:

- () Atmospheric monitoring, nutrient cycling, acid rain, soil warming research
- () GIS Database Management/Long-term Ecological Monitoring Program
- () Old-growth hardwood forest/bog communities
- () Forest management/silviculture research
- () Wildlife research (wt deer, bear, lynx, moose, songbird)
- () Adirondack Park Visitor Center (forest/lake ecology, birding)
- () Goodnow Mountain hike (360 degree panoramic view of central Adirondacks, nature interpretation and trail design)

We are considering hiring a float plane to take interested participants on a 1/2 hour flight over the property and the high peaks region (weather permitting). This trip would cost an additional \$20.00/person.

Would you be interested in such a trip? Yes No

Costs

Preliminary estimates of costs associated with the three day meeting, including lodging, meals, registration, and field-trips are expected to be in the neighborhood of \$140.00/person.

We recognize it's early to be thinking about next year's meeting, but we would appreciate your input ASAP for our planning efforts. Thanks for your help - see you next fall; Bill Porter and Dick Sage.

**D. PROGRAM QUESTIONNAIRE-- 1993 ANNUAL
MEETING--please return**

Please take a few moments to fill out the following questionnaire in order to assist us in preparations for the 1993 meeting. When complete, fold the form so that the preprinted address appears on front, affix postage, and drop it in the mail. **Please respond by January 30.**

Field Station Name _____

Contact Person _____ Phone # _____

We are developing program options for the 1993 meetings and are considering providing a workshop on enhancing Public Relation activities and skills for Biological Field Stations. In regards to PR issues, we ask that you provide us with the following information. (Circle responses)

1. Do you plan to attend the 93 meeting? yes no
2. Would a workshop on public relations be valuable to you? yes no
3. For what target audience should the workshop focus on in order to be most valuable for your station?

General public	Science Educators
Funding Agencies	Governmental Agencies
Professional Scientists	School Students
Other _____	

4. What presentation format would be most valuable?
Lecture Panel Discussion Other(Specify) _____

5. What presentation topic(s) would be most valuable? _____

6. What type of outside expertise should we draw upon for the program?
P.R. Consultant Fundraising Expert Well Known Scientist
Other (Specify) _____

7. Can you provide special expertise for a workshop on Public Relations or would you be willing to share strategies that your station has found successful ? yes no

8. Briefly describe the nature of your most successful PR or Fundraising efforts conducted by your station in the past few years.

V. OBFS MEMBERSHIP LIST AND LABELS-- As of 9/92

Station Members:

Adirondack Ecological Center, Huntington Wildlife Forest, Rt. 28N, Newcomb, NY 12852, station (518)582-4551, campus (315)470-6798, home (315)636-8386, Dr. William Porter

Albright College, Mountain Meadows Reserve, Reading, PA 19612-5234, (215)921-2381, Richard G. Heller

H.J. Andrews Experimental Forest, Dept. of Forest Science, P.O. Box 300, Blue River, OR 97413, station (503)822-3914, office (503)750-7350, home (503)753-9013, Art McKee

Archbold Biological Station, P.O. Box 2057, Lake Placid, FL 33852, station (813)465-2571, home (813)465-3691, Dr. John Fitzpatrick

Archbold Tropical Research Center, 130 Lehotsky Hall, Clemson University, Clemson, SC 29634, campus (803)656-1019, station (809)449-1401, Dr. Thomas E. Lacher

As Sable Institute of Environmental Studies, 7526 Sunset Trail NE, Mancelona, MI 49659, (616)587-8686, Dr. David Mahan

Augustana College Green Wing Environmental Lab, 639 38th St., Rock Island, IL 61201, station (309)794-7331, campus (309)795-7356, Dr. Bohdan Dziadyk

Babcock Nature Preserve, Johnson State College, Johnson, VT 05656, Dr. John Wrazen

Bahamian Field Station, P.O. Box 2488, Port Charlotte, FL 33949, Donald T. Gerace

Bamfield Marine Station, General Delivery, Bamfield, B.C., V0R 1B0 Canada, (604)728-3301, Director

J.H. Barrow Field Station, Dept. of Biology, Hiram College, Hiram, OH 44234, campus (216)569-5264, station (216)527-2141, Mary C. Garvin

Beaver Island Biological Station, Central Michigan University, Dept. of Biology, Mt. Pleasant, MI 48859, (517)774-3291, James C. Gillingham

Belle W. Baruch Institute, Dept. of Marine and Coastal Biology, University of South Carolina, Columbia, SC 29208, (803)777-5288, Dr. John Vernberg

Bermuda Biological Station for Research, Inc., Ferry Reach 1-15, GEO1, Bermuda, (809)297-1880, FAX 809-297-8143, Dr. Anthony Knap

Big Creek Reserve, University of California, Big Sur, CA 93920, station (408)667-2543, home (408)427-3150, Dr. John Smiley

Vimini Biological Station, c/o RSMAS, 4600 Rickenbacker Causeway, Miami, FL 33149-1098, station (305)361-4146, campus (305)361-4743, home (305)274-2050, Dr. Samuel H. Gruber

Blandy Experimental Farm, University of Virginia, P.O. Box 175, Boyce, VA 22620, station (703)837-1758, home (703)837-2244, Dr. Michael A. Bowers

Bodega Marine Laboratory and Reserve, P.O. Box 247, University of California, Bodega Bay, CA 94923, (707)875-2211, Dr. Peter Connors

Bowdoin Scientific Station, Dept. of Biology, Bowdoin College, Brunswick, ME 04011, (207)725-3583, Dr. Nathaniel Wheelwright

Calder Conservation Center, Fordham University, Drawer K, Armonk, NY 10504, (914)273-3078, Dr. John Wehr

Cape Tribulation Field Station, Private Mail Bag 5, Cape Tribulation via Mossman, Queensland, 4874 Australia, Dr. Hugh Spencer

Cedar Creek Natural History Center, University of Minnesota, 2660 Fawn Lake Dr. NE, Bethel, MN 55005, station (612)434-5131, campus (612)625-8462, home (612)484-1654, Dr. John Tester

Cedar Point Biological Station, School of Biological Sciences, 224 Lyman Hall, University of Nebraska, Lincoln, NE 68588-0188, (402)472-2724, Dr. Kathleen Keeler

Center for Energy and Environmental Research, P.O. Box 3682, San Juan, Puerto Rico 00936, station (809)384-2315, office (809)767-0371, Robert E. Waide

CERAMIC, Secretaria do Meio Ambiente, Caixa Postal 43, 11990, Cananenei, SP, Brazil, (0138)51-1163, Dr. Timothy Moulton

Cloquet Forestry Center, University of Minnesota, 175 University Road, Cloquet, MN 55720, Dr. Robert A. Stone

Conard Environmental Research Area, Dept. of Biology, Grinnell College, Grinnell, IA 50112, (515)236-2892, Director

Cranberry Lake Biological Station, SUNY CES & Forestry, Syracuse, NY 13210, campus (315)470-6771, station

(315)848-3444, home (315)469-7198, William M. Shields

Thomas B. Crowley Laboratory, Seattle Pacific University, Seattle, WA 98119, campus (206)281-2200, station (206)375-6721, home (206)281-2200, Dr. Ross F. Shaw

Dauphin Island Sea Lab, P.O. Box 369-70, Dauphin Island, AL 36528, (205)861-2141, Dr. George F. Crozier

Delta Marsh Field Station, 230 Machray Hall, University of Manitoba, Winnipeg, MB, R3T 2N2 Canada, campus (204)474-9297, station (204)474-2106, Dr. Gordon Robinson

Desert Research Institute, P.O. Box 60220, Reno, NV 89506, campus (702)972-1676, station (702)784-6188, home (702)747-3482, Dr. Harold Klieforth

Desert Station, University of Arizona, Forbes Bldg. - Room 410, Tucson, AZ 85721, (602)621-1151, Dr. Robert Smith

Desert Studies Center, Dept. of Biology, California State University, Fullerton, CA 92634, campus (714)773-2428, station (619)733-4266, Dr. Bill Presch

Eagle Hill Wildlife Research Station, Steuben, ME 04680, (207)546-2821, Jeorg-Henner Lotze

Eagle Lake Biological Station, Dept. of Biological Sciences, California State University, Chico, CA 95929, office (916)898-4490, home (916)343-4370, Dr. Raymond J. Boggiano

Ecological Field Station, Monmouth College, Dept. of Botany, Monmouth, IL 61462, (309)457-2021, David C. Allison

El Verde Field Station, CEER - Terrestrial Ecology, GPO Box 363682, San Juan, PR 00936, station (809)384-2315, office (809)767-0371, Robert B. Waide

Flathead Lake Biological Station, University of Montana, 311 Bio Station Lane, Polson, MT 59860, station (406)982-3301, FAX (406)982-3201, campus (406)243-5123, Dr. Jack Stanford

Forfar Field Station, International Field Studies, 2199 E. Maine Street, Columbus, OH 43209, campus (614)235-4646, 1-800-962-3805, Dr. Walter E. Bohl

R.S. Friedman Field Station, Biology Dept., Suffolk University - Beacon Hill, Boston, MA 02114, (207)726-4749, Carl Merrill

Granite Mountain Natural Reserve, University of California, P.O. Box 101, Kelso, CA 92351, station (619)733-4222, campus (714)787-5917, Dr. Phillippe Cohen

Hancock Biological Station, Murray State University, Murray, KY 42071, (502)474-2272, David White

Hancock Field Station, Fossil, OR 97830, (503)763-4691, Joseph Jones

Hastings Natural History Reservation, 38601 E. Carmel Valley Rd., Carmel Valley, CA 93924, (408)659-

Hatfield Marine Science Center, Oregon State University, 2030 S. Marine Science Dr., Newport, OR 97365, (503)867-3011, Dr. Lavern J. Weber

Hawaii Institute of Marine Biology, University of Hawaii - Manoa, P.O. Box 1346, Kaneohe, HI 96744-1346, station (808)247-663, FAX (808)247-6634, campus (808)948-6715, home (808)247-2523, Dr. Philip Helfrich

Hawk Mountain Sanctuary, Route 2, Kempton, PA 19529, station (215)756-6961, home (215)756-6964, Jim Brett

Highlands Biological Station, P.O. Drawer 580, Highlands, NC 28741, (704)526-2602, Dr. Richard Bruce

Hofstra University Marine Laboratory, Dept. of Biology, Hofstra University, Hempstead, NY 11550, Dr. Eugene Kaplan

Hopkins Marine Station of Stanford University, Oceanview Boulevard, Pacific Grove, CA 93950, station (408)373-0464, home (408)373-0674, Dr. Dennis A. Powers

Huntsman Marine Science Center, Brandy Cove Road, St. Andrews, N.B., EOG 2X0 Canada, (506)529-8895, Director

E.M. Bayck Preserve and Biological Research Station, P.O. Box 188, Rensselaerville, NY 12147, (518)797-3440, Dr. Richard Wyman

Illinois Natural History Survey Biological Stations, Box 599, Havana, IL 62644, station (309)543-3950 or 3105, campus (217)333-6830, home (309)547-2757, Dr. Stephen P. Havera

Indian River Marine Station, Florida Institute of Technology, 150 W. University Rd., Melbourne, FL 32901, (305)768-8096, Dr. Jack Morton

Indio Mountain Research Station, Dept. of Biology, University of Texas at El Paso, El Paso, TX 79968-0519, office (915)747-5844, home (915)833-3662, Dr. Carl Lieb

Institute of Ecosystem Studies, Mary F. Cary Arboretum, Box AB, Millbrook, NY 12545, (914)677-5343, Dr.

Gene Likens

- Instituto de Neurobiologia**, Universidad de Puerto Rico, Boulevard Del Valle 201, San Juan, Puerto Rico 00901, station (809)721-4149, home (809)722-2783, Dr. Richard Orkand
- Iowa Lakeside Laboratory**, Dept. of Botany, University of Iowa, Iowa City, IA 52242, campus (319)335-1317, station (712)337-3669, Dr. Robert Cruden
- Itasca Biology Program**, University of Minnesota, 318 Church St. SE, Minneapolis, MN 55455, campus (612)625-9165, station (218)266-3691, home (612)378-0291, Dr. Donald B. Siniff
- James San Jacinto Mountains Reserve**, P.O. Box 1775, Idyllwild, CA 92349, Michael Hamilton
- Jasper Ridge Biological Preserve**, Stanford University, Stanford, CA 94305, campus (415)723-1589, field (415)851-2745, home (415)856-0624, Alan Grundmann
- Julian Center for Science and Education**, P.O. Box 1389, Julian, CA 92036, campus (619)225-8354, home (619)226-0325, Judy Kenis
- Kananaskis Centre for Environmental Research**, University of Calgary, 2500 University Dr. NW, Calgary, AB, T2N 1N4 Canada, station (403)220-5355, campus (403)220-5271, M. Ross Lein
- W.K. Kellogg Biological Station**, Suite KBS, Michigan State University, Hickory Corners, MI 49060, (616)671-2323, Dr. Patrick J. Webber
- Kibbe Life Sciences Field Station**, Dept. of Biological Sciences, Western Illinois University, Macomb, IL 61455, campus (309)298-1553, station (217)256-4519, home (309)836-6536, Dr. Richard V. Anderson
- Lacawac Sanctuary**, RR #1 Box 518, Lake Ariel, PA 18436, (717)689-9494, Sally J. Jones
- Las Rocas de Dios**, P.O. Box 2947, Palm Springs, CA 92263, (619)322-5474, J.C. Richardson
- Lilley Cornett Woods**, Div. of Natural Areas, Eastern Kentucky University, Richmond, KY 40475, campus (606)622-3122, station (606)633-5828, Dr. William A. Martin
- Lloyd Center for Environmental Studies**, Interim Provost for Academic Affairs, University of Massachusetts at Dartmouth, N. Dartmouth, MA 02747, office (508)999-8024, FAX (508)999-8901, Dr. Robert Dalglish
- Long Marine Laboratory**, University of California, Santa Cruz, CA 95064, Steve Davenport
- Louisiana University Marine Consortium (LUMCON)**, 8124 Highway 56, Chauvin, LA 70344, (504)851-2800, Dr. John R. Caruso
- Malheur Field Station**, HC72 Box 260, Princeton, OR 97721, (503)493-2629, Dr. Lucile A. Housley
- Manomet Bird Observatory**, Field Biology Training Program, P.O. Box 936, Manomet, MA 02345, (508)224-6521, Dr. Katherine Parsons
- Marine Science Center**, Southampton Campus, Long Island University, Southampton, NY 11968, station (516)283-4000, home (516)283-7376, Dr. Larry Liddle
- McCall Field Campus**, College of Forestry and Wildlife, University of Idaho, Moscow, ID 83843, station (208)634-3918, campus (208)885-7302, Walter Dunn
- Meenock Biological Research Station**, Box 1718, Athabasca, AB, T0G 0B0 Canada, station (403)675-4934, campus (403)432-3308, Dr. E.E. Prepas
- Meeman Biological Field Station**, Dept. of Biology, Memphis State University, Memphis, TN 38152, station (901)876-5772, campus (901)454-2970, home (901)761-0143, Dr. Michael Kennedy
- Mira Costa College**, San Elijo Campus, 3333 Manchester Ave., San Diego, CA 92007, office (619)942-1352, home (619)729-6963, Dr. Lane McDonald
- Mohawk Preserve**, Mohonk Lake, New Paltz, NY 12561, station (914)255-5969, home (914)338-8830, Paul C. Huth
- Moss Landing Marine Station**, P.O. Box 450, Moss Landing, CA 95039-0450, (408)755-8655, Dr. John Martin
- Mountain Lake Biological Station**, University of Virginia, Gilmer Hall, Charlottesville, VA 22901, campus (804)924-3151, station (703)626-7196, home (804)924-7868, J.J. Murray Jr.
- Mountain Research Station (INSTAAR)**, CB 450, University of Colorado, Boulder, CO 80303, (303)492-8841, Dr. William Bowman
- Nantucket Field Station**, University of Massachusetts, 180 Polpis Road, Nantucket, MA 02554, (508)228-5268, Dr. Wesley Tiffney
- National Audubon Society, Appleton-Whittel Reserve**, P.O. Box 44, Elgin, AZ 85611, (602)455-5522, Director
- National Audubon Society, Starr Ranch Sanctuary**, P.O. Box 967, Trabuco Canyon, CA 92678, (714)858-0309, Director
- Natural Reserve System**, 300 Lakeside Dr. - 6th Floor, Oakland, CA 94612-3560, campus (415)987-0150, home (415)658-7645, Jeffrey Kennedy

Oneonta State University, Biology Dept., Oneonta, NY 13820, campus (607)431-3703, station (607)547-8778,
 home (607)988-7716, Dr. Willard Harmon
Katherine Ordway Natural History Center, 9550 Inver Grove Trail, Inver Grove Heights, MN 55075, station
 (612)455-6204, campus (612)696-6104, Shelley A. Shreffler
Oregon Institute for Marine Biology, University of Oregon, Charleston, OR 94720, (503)888-5534, Dr.
 Lynda Shapiro
Organization for Tropical Studies, P.O. Box DM, Duke Station, Durham, NC 27706, (919)684-5774, Dr.
 Donald E. Stone
Ouachita Biological Station, Rt. 1 Box 221-C, Mena, AR 71953, station (501)394-3956, home (318)861-
 6059, Dr. Richard Spears
Ozark Natural Science Center, #1 Timber Trails, Rogers, AR 72756, (501)636-9258, Ellen Neaville
Pacific NW Research Station, P.O. Box 3890, Portland, OR 97208, station (503)996-2136, campus (503)326-
 7131, Sarah E. Greene
Pepperwood Ranch Natural Preserve, 3450 Franz Valley Rd., Santa Rosa, CA 95404, campus (415)750-7318,
 station (707)542-2080, Greg de Nevers
Pigeon Lake Field Station, 204 North Hall, University of Wisconsin - River Falls, River Falls, WI 54022,
 station (715)739-6655, campus (715)392-8101, Bill Sperling
Pine Lake Environmental Center, Biology Dept., Hartwick College, Oneonta, NY 13820, Dr. Robert R. Smith
Pinelands Research Division, Rutgers Pineland Field Station, Dept. of Biology, Rutgers University,
 Camden, NJ 08102, station (609)894-8849, office (609)757-6146, Dr. Mark D. Morgan
Powdermill Nature Reserve, Carnegie Museum of Natural History, Star Route South, Rector, PA 15260,
 station (412)593-2221, FAX (412)593-6570, Dr. Joseph Merritt
Pymatuning Laboratory of Ecology, University of Pittsburgh, Route 1 - Box 7, Linesville, PA 16424,
 (814)683-5813, Dr. Kenneth Cummins
Rancho del Cielo, Texas Southmost College, 80 Fort Brown, Brownsville, TX 78520-4993, (512)544-
 8271, Lawrence Lof
Raystown Field Station, Dept. of Biology, Juniata College, Huntingdon, PA 16652, campus (814)643-4310
 ext. 575, station (814)658-3060, home (814)658-2191, Dr. Robert L. Fisher
Reelfoot Lake Research Center, Dept. of Biological Sciences, University of Tennessee - Martin, Martin, TN
 38238, (901)587-7170, Wintfred L. Smith
Reis Biological Station, 3507 Laclede Ave., Room MW24, St. Louis, MO 63103, office (314)658-3902,
 station (314)786-8313, home (314)822-3972, Dr. Nevin Aspinwall
Rensselaer Fresh Water Institute on Lake George, Rensselaer Polytechnic Institute, Troy, NY 12180-3590,
 campus (518)276-6757, station (518)644-3541, home (518)279-3898, Dr. Charles Boylen
Rice Creek Field Station, SUNY College at Oswego, Oswego, NY 13126, station (315)341-2343, home
 (315)343-2076, Donald D. Cox
Rocky Mountain Biological Laboratory, Box 519, Crested Butte, CO 81224, station (303)349-7231, FAX
 (303)349-7481, home (303)349-7416, Susan Allen Lohr
Sagehen Creek Field Station, Forestry Dept., University of California, 145 Mulford Hall, Berkeley, CA
 94720, campus (415)642-7261, station (916)587-4830, Dr. Reginald Barrett
Santa Cruz Island Reserve, University of California, Santa Barbara, CA 93106, Dr. Lyndal Laughlin
Santa Margarita Ecological Reserve, San Diego State University, San Diego, CA 92182, station (619)229-
 2896, campus (619)442-3821, Dr. John D. Tenhunen
School for Field Studies, 16 Broadway, Beverly, MA 01915, (617)927-0585, Dr. James Elder
Seatuck Foundation Inc., P.O. Box 31, Islip, NY 11751, Patricia C. Dooley
Sevilleta Field Station, University of New Mexico, Albuquerque, NM 87131, station (505)864-4021, campus
 (505)277-3858, Dr. Clifford Crawford
Shannon Point Marine Center, Western Washington University, 1900 Shannon Point Rd., Anacortes, WA 98221-
 4042, station (206)293-2188, FAX (206)293-1083, Dr. Stephen D. Sulkin
Shoals Marine Laboratory, G-14D Stimson Hall, Cornell University, Ithaca, NY 14853, campus (607)255-
 3717, station (603)4430-7160, Dr. John B. Heiser
Sonoran Arthropod Studies Inc., P.O. Box 5624, Tucson, AZ 85703, station (602)883-3945, office (602)884-
 7274, Dr. Steven J. Prchal
Southern Nazarene University Quetzal Research Center, 6729 NW 39th Expressway, Southern Nazarene
 University, Bethany, OK 73008, (405)789-6400, station (506)71-17-32, Dr. Leo Finkenbinder

Southwestern Research Station, American Museum of Natural History, Portal, AZ 85632, (602)558-2396, Dr. Wade Sherbrooke

St. Catherine Island, Rt. 1 Box 207-2, Midway, GA 31320, (912)884-5002, Royce Hayes

St. Croix Watershed Research Center, 16910 152nd Street North, Marine on St. Croix, MN 55047, station (612)433-5953, campus (612)221-4758, home (612)433-3872, Ron Lawrenz

Station de Biologie, University Montreal, 440 de Lac Croche, Montreal, Quebec, GOR 1P0 Canada, station (514)563-3111, campus (514)343-6798, Dr. John Downing

F.T. Stone Laboratory, Ohio State University, 1541 Research Center, 1314 Kinnear Road, Columbus, OH 43212, campus (614)292-8949, station (419)285-4754, Jeffrey M. Reutter

Tall Timber Research Station, Rt. 1, Box 678, Tallahassee, FL 31312, (904)493-4153, Executive Director

Thomas More College, Biology Dept., 333 Thomas More Parkway, Crestview Hills, KY 41017, Dr. John R. Hageman

Treehaven Field Station, 2540 Pickerel Creek Road, Tomahawk, WI 54487, (715)453-4106, Corky McReynolds

Trout Lake Biological Station, 10810 County Hwy. N, Boulder Junction, WI 54512, campus (608)262-2840, station (715)385-2750, Thomas M. Frost

Turtle Cove Biological Reserve, P.O. Box 814, Southeast Louisiana State University, Hammond, LA 70402, (504)549-2023, Director

Tyson Research Center, Washington University, P.O. Box 258, Eureka, MO 63025, station (314)935-8430, home (314)938-5271, FAX (314)935-8433, Dr. Richard W. Coles

University of Charleston, Dept. of Biology, 2300 MacCorkle Ave. SE, Charleston, WV 25304, campus (304)357-4789, station (705)859-3579, home (304)357-4789, Carl T. Meadors

University of Kansas, Experimental and Applied Ecology, Division of Biological Sciences, Lawrence, KS 66045, campus (913)864-3236, lab (913)843-8573, Dr. Kenneth B. Armitage

University of Michigan Biological Station, Room 1111 Natural Science Building, Ann Arbor, MI 48109-1048, campus (313)763-4461, station (616)539-8406, home (313)662-6032, Dr. James A. Teeri

University of Notre Dame Environmental Research Center, Dept. of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556, station (715)547-6297, campus (219)239-5544, Ronald A. Hellenthal, Ron

University of Oklahoma Biological Station, Star Rt. B - Box 205, Kingston, OK 73439, station (405)564-2463, campus (405)325-5391, home (405)329-7016, Dr. Loren G. Hill

University of Wisconsin Field Station, 3095 Blue Goose Road, Saukville, WI 53080, campus (414)675-6844, (414)377-7962, Dr. Millicent Ficken

Valentine Eastern Sierra Reserve, P.O. Box 273, Mammoth Lakes, CA 93546, (619)935-4334, Daniel R. Dawson

West Indies Laboratory, Fairleigh Dickinson University, Teague Bay, St. Croix, 00820, U.S. Virgin Islands, station (809)773-9339, campus (201)460-5180, Dr. Elizabeth Gladfelter

Wheaton College Science Station, Wheaton College, Wheaton, IL 60187, office (708)260-5008, home (708)665-6071, Dr. David Bruce

White Mountain Research Station, 6713 Geology Building, University of California, Los Angeles, CA 90024, station (619)873-4344, office (213)825-2093, Dr. Clarence A. Hall

Whittell Forest and Wildlife Area, c/o Dept. RWF, University of Nevada, Reno, NV 89557, (702)784-1656, Robert Nowak

Wyoming National Park Service, University Station, P.O. Box 3166, Laramie, WY 82071, station (307)543-2463, campus (307)766-4227, Dr. Mark S. Boyce

Individual Members:

David Bosanko, Cedar Creek Natural History Center, University of Minnesota, 2660 Fawn Lake Dr. NW, Bethel, MN 55005, (612)434-5131

Virginia Boucher, Sagehen Creek Field Station, P.O. Box 939, Truckee, CA 96160, (916)587-4830

Dr. Jeffery Burkhart, Phillips University Colorado Campus, Dept. of Biology, Phillips University, Enid, OK 73702, office (405)237-4433, station (303)852-3052, home (405)233-7639

Dr. Diane M. Calabrese, Papillons: Diversified Endeavors, 22 Sumner Street, Dedham, MA 02026-1921, (314)874-4143 or (314)751-1795

Laura S. Carter, Huyck Preserve Board of Directors, 81 Oakview Terrace, Short Hills, NJ 07078, (201)564-7697

Churchill Northern Studies Centre, Box 610, Churchill, Manitoba, ROB OEO Canada, (204)675-2307

Dr. David B. Clark, La Selva Biological Station, Universidad de Costa Rica, Ciudad Universitaria, Costa Rica

Tom Crandall, Douglas Lake, University of Michigan Biological Station, 111 Natural Science Building, Ann Arbor, MI 48109, (313)763-4461

William R. Demott, Dept. of Biological Science, Indiana University - Purdue University, 2101 Coliseum Blvd. E., Ft. Wayne, IN 46805

David Duffy, 110 West Neck Rd., P.O. Box 1095, Shelter Island, NY 11965

Dr. Margaret Fusari, Coordinator - UCSC Natural Reserve, Division of Natural Sciences, University of California, Santa Cruz, CA 95064, campus (408)429-4971, station (408)667-2543

Stephen Golladay, Oklahoma University Biological Station, HC-71 Box 205, Kingston, OK 73439

Dr. James Halfpenny, Institute of Arctic and Alpine Research, University of Colorado, Boulder, CO 80309 (303)440-0902

Dr. Richard Hartman, University of Pittsburgh, Dept. of Biological Sciences, Pittsburgh, PA 15260, (412)486-4902

Dr. Nathan Hatch, Office of Advanced Studies, University of Notre Dame, Notre Dame, IN 46556

April Jones, University of Michigan Biological Station, 1111 Natural Science, Ann Arbor, MI 48109

Lynn P. Jorgensen, 5052 Xerxes Ave., Minneapolis, MN 55410, campus (612)626-4950, home (612)927-0080

Dr. Charles C. King, 908 Biological Science Building, Ohio State University, 484 West 12th Ave., Columbus, OH 43210

Erik Kiviat, Bard College Field Station, Annandale-on-Hudson, NY 12504, (914)758-8273

Lois Kruschwitz, Alpine Learning Center, 2190 Bluebell, Boulder, CO 80302

Dr. George Lauff, W.K. Kellogg Biological Station, Michigan State University, 3700 East Gull Lake Dr., Hickory Corners, MI 49060, campus (517)353-9445, station (616)671-2323, home (616)671-5630

Dr. James N. Layne, Archbold Biological Station, P.O. Box 2057, Lake Placid, FL 33852, station (813)465-2571, home (813)465-4240

Dr. Donald McCrimmon, Mount Desert Island Biological Laboratory, Salsbury Cove, ME 04672, (207)288-3605

Dr. Allan Muth, Boyd Deep Canyon Desert Research Center, P.O. Box 1738, Palm Desert, CA 92261-1738, (619)341-3655

Dr. Ronald A. Nussbaum, E.C. George Reserve, University of Michigan, an, an, an, an, an, an, an, an, Museum of Zoology, Ann Arbor, MI 48109-1048, (313)764-2201

Dr. David F. Parmelee, Bell Museum of Natural History, 10 Church Street SE, Minneapolis, MN 55455, (612)646-8278

Mrs. Jean Parmelee, 1595 Northrop Street, St. Paul, MN 55108, (612)646-8278

Carolyn Porter, 37 Main St., Topsfield, MA 01983

Dr. Graham H. Pyke, Australian National Museum, 608 College Street, Sydney, NSW, 2000 Australia, station 02-339-8195, home 02-949-4656

Dr. Mark Reynolds, Sagehen Creek Field Station, P.O. Box 939, Truckee, CA 96160, (916)587-4830

Dr. Jerome Rozen Jr., American Museum of Natural History, Central Park West at 79th St., New York, NY 10024, office (212)769-5000, home (201)768-9590

Dr. Robert P. Rye Jr., Dept. of Natural Resources, Conservation Education Center, RR #1 Box 53, Guthrie Center, IA 50115, office (515)747-8383, home (515)747-3460

Dr. William Scharf, Cedar Point Biological Station, School of Biological Sciences, University of Nebraska, Lincoln, NE 68588-0118, (402)472-5977

Dr. Charles E. Schnell, Organization for Tropical Studies, Universidad de Costa Rica, Ciudad Universitaria, Costa Rica

Dr. Mary K. Seely, Desert Ecology Research Unit, P.O. Box 953, Walvis Bay, 9000 Namibia, ph. ZRR226 via Walvis Bay Radio (0642)3581)

Dr. Jennifer M. Shay, University of Manitoba, Winnipeg, MB, R3T 2N2 Canada, campus (204)474-9297, home (204)453-5830

Dr. James Edwards, Biological Research Resources, National Science Foundation, 1800 G St. NW, Washington, D.C. 20550

Dr. David Schindel, Biological Research Resources, National Science Foundation, 1800 G St. NW, Washington, D.C. 20550

Dr. Michael Templeton, Education Directorate, National Science Foundation, 1800 G St. NW, Washington, D.C. 20550

**Chuck Yohn, Director
Raystown Field Station
Juniata College
Huntingdon PA 16652**

Adirondack Ecol Center Dr William Porter S Huntington Wildlife Forest Rt 28N Newcomb, NY 12852	Barrow, J H Biol F St Mary C Truax S Dept of Biology Hiram College Hiram, OH 44234	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	Beaver Island Biol Sta James C Gillingham S Central Michigan Univ Dept Biology Mt Pleasant, MI 48859	Calder Center, Louis Dr John Wehr, Dir S Fordham University Drawer K Armonk, NY 10504
Andrews, H J Ex 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	Cape Tribulation F Sta Dr Hugh Spencer S Private Mail Bag 5 Cape Tribu via Mossman Qld 4873 Australia
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	Cedar Creek Nat Hist Dr John R Tester S Univ Minnesota 2660 Fawn Lake Dr NE Bethel, MN 55005
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	Cedar Point Biol Sta Kathleen Keeler, Dir S 224 Lyman Hall - Bio University Nebraska Lincoln, NE 68588-0188
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	CEPARNIC Dr Timothy Moulton S Secretaria Do Meio Am Caixa Postal 43 11990 Cananei SP Brazil
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	Chapala Ecology Sta Laura D'avalos-Lind S Dept of Biology P O Box 97388 Waco, TX 76798
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	Charleston, Univ of Carl T Meadors S Dept Biology 2300 MacCorkle Ave SE Charleston, WV 25304
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	Cloquet Forestry Ctr Robert A Stine S Univ Minnesota 175 University Road Cloquet, MN 55720
Bamfield Marine Sta Director S General Delivery Bamfield, B.C. VOR 1B0 VOR 1B0	Bowdoin Scientific Sta Dr Nathaniel Wheel- wright S Dept of Biology Brunswick, ME 04011	Conard Environmental Research Area S Director Grinnell Coll-Dept Bio Grinnel, IA 50112

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	Hawaii Inst Marine Bio Dr Philip Helfrich S Univ Hawaii - Manoa P O Box 1346 Kaneohe, HI 96744-1346
Crowley T B Laboratory Dr Ross F Shaw S Seattle Pacific Univ Seattle, WA 98119	Forfar Field Station Dr Walter B Bohl S Int Field Studies 2199 E Maine Street Columbus, OH 43209	Hawk Mountain Sanct Jim Brett S Route 2 Kempton, PA 19529
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	Highlands Biol Sta Dr Richard C Bruce S P.O. Drawer 580 Highlands, NC 28741
Desert Research Inst Dr Harold Klieforth S P O Box 60220 Reno, NV 89506	Granite Mountain Nat * Dr Phillippe Cohen S Univ California P O Box 101 Kelso, CA 92351	Hofstra University Dr Eugene Kaplan S Marine Laboratory Dept Biology Hempstead, NY 11550
Desert Station Dr Robert L Smith S Univ of Arizona Forbes Bldg Rm r10 Tucson, AZ 85721	Great Basin Env Ed Ctr Steve Peterson S c/o Snow College 125 College Avenue Ephraim, UT 84627	Hopkins Marine Stat Dr Dennis A Powers S Stanford University Pacific Grove, CA 93950
Desert Studies Center Dr Gerald Scherba S Dept Biology California St Univ Fullerton, CA 92634	Hancock Biol Station David White S Murray State Univ Murray, KY 42017	Huntsman Marine Sci Director S Brandy Cove Road St Andrews - N B Canada EOG 2XO
Eagle Hill Wildlife Research Station S Joerg-Henner Lotze, Dir Dyers Bay Road Steuben, ME 04680	Hancock Field Station Joseph Jones, Dir S Fossil, OR 97830	Huyck, E N Preserve Dr Richard L Wyman S P O Box 188 Rensselaerville NY 12147
Eagle Lake Bio Sta * Raymond J Bogiatto S Dept Biol Sciences CSU, Chico Chico, CA 95929	Hartwick Coll Biol Sta Dr Robert R Smith S Biology Department Hartwick College Oneonta, NY 13820	Illinois Natural His- tory Sur Biol Stations Dr Stephen P Havera S Box 599 Havana, IL 62644
Ecological Field Sta David C Allison S Monmouth College Dept of Botony Monmouth, IL 61462	Hastings Nat History * Reservation S Dr Mark R Stromberg 38601 E Carmel Valley Carmel Valley CA 93924	Indian River Marine Dr Jack Morton S Florida Inst Tech 150 W University Rd Melbourne, FL 32901
El Verde Field Sta Robert B Waide S CEER-Terretrial Ecol GPO Box 363682 San Juan PR 00936	Hatfield Marine Sci Ct Lavern J Weber S Oregon State Univ 2030 S Marine Sci Dr Newport, OR 97365	Indio Mountain Res Ctr Dr Carl Lieb S Dept Biology Univ Texas at El Paso El Paso, TX 79968

Inst of Ecosystem Stu Mary F Cary Arboretum Dr Gene Likens S Box AB 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	Lacawac Sanctuary Sally J Jones, Dir S R R #1 Box 518 Lake Ariel, PA 18436	McCall Field Campus Walter Dunn S Col Forestry, Wildlife Univ Idaho Moscow, ID 83843
Iowa Lakeside Lab Dr Robert Cruden S Department Botony University of Iowa Iowa City, IA 52242	Las Rocas De Dios Ms J C Richardson S P O Box 2947 Palm Springs, CA 92263	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 Stud Dr Robert Dalglish S Interim Provost Aca.Af 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 Mr Alan Grundman 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
Julian Center Science & Education Judy Kenis, J D S P O Box 1389 Julian CA 92036	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
Kananaskis Centre M Ross Lein S Univ of Calgary 2500 Univ Drive NW Calgary Alberta T2N 1N4	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
Kansas, University of Dr Kenneth Armitage S Exp & Applied Ecology Div Biol Sciences Lawrence, KS 66045	Malheur Field Station Lucile A Housley S HC 72 Box 260 Princeton, OR 97721	Moss Landing Marine Dr John Martin S P O Box 450 Moss Landing, CA 95039-0450
Kellogg, W K Bio Sta Dr Patrick J Webber S Michigan State Univ 3700 East Gull Lake Dr Hickory Corner MI 49060	Manomet Bird Observato Katharine Parsons S Field Bio Training Pro P O Box 936 Manomet, MA 02345	Mountain Lake Bio Sta J J Murray, Jr S University Virginia Gilmer Hall Rm B-64 Charlottesvil VA 22903

Mountain Research Sta Dr William Bowman S University of Colorado CB 450 Boulder, CO 80309	Oregon Institute Dr Lynda Shapiro S Marine Biology Univ of Oregon Charleston, OR 97420	Raystown Field Station Dr Robert L Fisher S Dept of Biology Juniata College Huntingdon, PA 16652
Nantucket Field Sta Dr Wesley N Tiffney S Univ of Massachusetts 180 Polpis Rd Nantucket, MA 02554	Ouachita Biol Sta Dr Richard Speairs S Rt 1 Box 221-C Mena, AR 71953	Reelfoot Lake Res Ctr Wintfred L Smith S Dept Biol Sciences Univ Tennessee -Martin Martin, TN 38238
National Audubon Soc Appleton-Whittell S P O Box 44 Elgin, AZ 85611	Ozark Natural Sci Ctr Ellen Neaville Dir S #1 Timber Trails Rogers, AR 72756	Reis Biological Sta Dr Nevin Aspinwall S St Louis Biology 3507 Laclede Avenue St. Louis, MO 63103
National Audubon Soc Starr Ranch Sanct S P O Box 967 Trabuco Canyon CA 92678	Pacific NW Res Station Sarah E Greene S P O Box 3890 Portland, OR 97208	Rensselaer Fresh Water Dr Charles Boylen S Institute MRC 201 Rensselaer Polytechnic Troy, NY 12181
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	Rice Creek Biol Sta Donald D Cox S State University Coll Oswego, NY 13126
Notre Dame Env Res Ronald A Hellenthal S Univ Notre Dame Environmental Res Cen Notre Dame, IN 46556	Pigeon Lake Field Sta Bill Sperling S 204 North Hall Univ Wis-River Falls River Falls, WI 54022	Rocky Mountain Bio Lab Susan Lohr, Dir S P O Box 519 Crested Butte, CO 81224
O T S Dr Donald E Stone S Exec Director P O Box DM Duke Sta Durham, NC 27706	Pinelands Research Div Dr Mark D Morgan S Rutgers Pineland Field Station, Dept Biology Camden, NJ 08102	Sagehen Creek Field Sta Dr Reginald Barrett S Uni California Forestry 145 Mulford Hall Berkeley, CA 94720
Oklahoma, Univ of Biological Station Dr Loren G Hill S 730 Van Vleet Oval Norman, OK 73019	Powdermill Nature Res Dr Joe Merritt S Star Route South Rector, PA 15677	St Catherine Island Royce Hayes S Rt 1, Box 207-Z Midway, GA 31320
Oneonta State Univ Dr Willard N Harman S Biology Department Oneonta, NY 13820	Pymatuning Lab of Ecol Dr Kenneth Cummins S Univ Pittsburgh Dept Biol Sciences Pittsburgh, PA 15260	St Croix Watershed Res Ronald W Lawrenz S 16910 152nd Street N Marine on St Croix MN 55047
Ordway Nat History Shelley A Shreffler S 9550 Inver Grove Trail Inver Grove Hts, MN 55076-3816	Rancho del Cielo Lawrence V Lof S Texas Southmost Coll Brownsville, TX 78520	Santa Cruz Island * Dr Lyndal Laughrin S Univ CA-Santa Barbara Santa Barbara, CA 93106

School Field Studies James L Elder S 376 Hale St Beverly, MA 01915	Stone Lab - Ohio St Jeffrey M Reutter S 1541 Research Center 1314 Kinnear Rd Columbus, OH 43212	Wheaton College Sci St Dr David S Bruce S Biology Dept Wheaton College Wheaton, IL 60187
Seatuck Foundation, Inc Patricia C Dooley, Dir 500 Marks Lane S P O Box 31 Islip, NY 11751	Tall Timber Res Sta Executive Director S Rt 1, Box 678 Tallahassee, FL 31312	White Mountain Res St Dr Clarence A Hall S 6713 Geology Building University of Calif Los Angeles, CA 90024
Sevilleta Nat Wildlife Dr Clifford Crawford S Dept Biology Univ New Mexico Albuquerque, NM 87131	Thomas More College Dr John R Hageman S Biology Department Crestview Hill, KY 41017	Whittel Forest & Wild- life Area RWF/186 Robert Nowak S University of Nevada Reno, NV 89557
Shannon Point Mar Ctr Dr Stephen Sulkin S Western Washington U 1900 Shannon Point Rd Anacortes, WA 98221	Treehaven Field Station Corky McReynolds S 2540 Pickerel Creek Rd Tomahawk, WI 54487	Wilderness Res Ctr Dr Jeffrey J Yeo S College of Forestry University of Idaho Moscow, ID 83843
Shoals Marine Lab Dr John B Heiser S G-14 Stimson Hall Cornell Univ Ithaca, NY 14853	Trout Lake Biol Sta Thomas M Frost S 10810 County Hwy N Boulder Junction WI 54512	Wisconsin, Univ of Field Station Dr Millicent Ficken S 3095 Blue Goose Road Saukville, WI 53080
Sky Oaks Biol Sta Dr Paul H Zedler S San Diego St Univ-Bio San Diego, CA 92181	Turtle Cove Bio Res Dr Robert Hastings S P O Box 585 S E Louisiana Univ Hammond, LA 70402	Wyoming Nat Park Serv Dr Mark S Boyce S University Station P O Box 3166 Laramie, WY 82071
Sonoran Arthropod Studies Inc Steven J Prchal S P O Box 5624 Tucson, AZ 85703	Tyson Research Center Dr Richard W Coles S Washington University P O Box 258 Eureka, MO 63025	<u>Individual Members</u>
Southern Nazarene Uni Dr Leo Finkenbinder S Quetzal Educ Res Comp 6729 NW 39th Expwy Bethany, OK 73008	Valentine E Sierra Res Daniel R Dawson *S Star Rt 1, Box 198 Mammoth Lakes, CA 93546	David Bosanko I Cedar Creek Nat Hist Univ of Minnesota 2660 Fawn Lake Dr NW Bethel, MN 55005
Southwestern Res Sta Dr Wade C Sherbrooke S P O Box G Portal, AZ 85632	Virgin Island Ecol Res Dr Norman J Quinn S Univ Virgin Islands St Thomas U S Virgin Island 00802	Virginia Boucher I Sagehen Creek Field St P O Box 939 Truckee, CA 96160
Station de Biologie Dr John Downing S University Montreal 440 de Lac Croche Quebec Canada GOR 1PO	West Indies Lab S Dr Elizabeth Gladfelter Fairleigh Dickinson U Teague Bay, St Croix U S Virgin Island 00820	Dr Jeffery Burkhart I Phillips Univ Colorado Dept Biology Enid, OK 73702

Dr Diane M Calabrese I
Papillons: Diversified
Endeavors
22 Anderson Avenue
Columbia, MO 65203-2673

Churchill Northern I
Studies Centre
Box 610 Churchill
Manitoba Canada ROBOEO

Tom Crandell I
Douglas Lake
Univ Michigan Bio Sta
1111 Nat Science Bldg
Ann Arbor, MI 48109

William R DeMott I
Dept Biol Science
Indiana U-Purdue U
2101 Coliseum Blvd E
Fort Wayne, IN 46805

Dr Margaret Fusari *
Coordinator I
UCSC Natural Reserve
Div Natural Sciences
Santa Cruz, CA 95064

Stephen W Golloday I
OK Univ Biol Station
HC-71, Box 205
Kingston, OK 73439

Dr Moshe Gophen I
Univ Oklahoma Biol St
HC 71 Box 205
Kingston, OK 73439

Dr James Halfpenny I
A Naturalist's World
P O Box 8005, Suite 357
Boulder, CO 80306

Dr Nathan O Hatch I
The Graduate School
Univ of Notre Dame
Notre Dame, IN 46556

April Jones I
Univ Michigan Biology
Station
1111 Natural Science
Ann Arbor MI 48109

Lynn P Jorgensen I
5052 Xerxes Ave So
Minneapolis, MN
55410

Dr Charles C King I
Retired
P. O. Box 2032
Pagosa Springs CO
81147

Erik Kiviat I
Bard College Field St
Annandale-on-Hudson
NY 12504

Lois Kruschwitz I
Alpine Learning Ctr
2190 Bluebell
Boulder, CO 80302

Dr James N Layne I
Archbold Biol Sta
P O Box 2057
Lake Placid, FL 33852

William J Matthews I
Univ Oklahoma Biol St
HC 71 Box 205
Kingston, OK 73439

Dr Donald McCrimmon I
Mount Desert Island
Biological Laboratory
Salsbury Cove, ME
04672

Dr Allan Muth *
Boyd Deep Canyon I
Desert Research Sta
P O Box 1738
Palm Desert, CA 92261

Dr Ronald A Nussbaum I
E C George Reserve
University of Michigan
Museum of Zoology
Ann Arbor, MI 48109

Dr Graham H Pyke I
Australian Museum
608 College Street
Sydney, NSW 2000
Australia

Mark Reynolds I
Sagehen Creek Field St
P O Box 939
Truckee, CA 96160

Dr Jerome Rozen Jr I
Am Museum Natural Hist
Central Park West at
79th Street
New York, NY 10024

Dr Robert P Rye Jr I
Dept Natural Resources
Conservation Educ Ctr
R R #1 Box 53 Guthrie
Center, IA 50115

Dr William C Scharf I
Cedar Point Biol Sta
School Biol Sciences
Univ Nebraska
Lincoln, NE 68588-0118

Dr Charles E Schnell I
Org Tropical Studies
Universidad Costa Rica
Ciudad Universitaria
Costa Rica C A

Dr Mary K Seely I
Desert Ecol Res Unit
P O Box 953
Walvis Bay 9000
Namibia

Laura S Carter I
(Bd Directors Huyck)
81 Oakview Terrace
Short Hills, NJ C7078

David Duffy I
110 West Neck Rd
P O Box 1095
Shelter Island NY
11965

Dr Richard Hartman I
Univ of Pittsburgh
Dept Biol Sciences
Pittsburgh PA 15260

Dr George Lauff I
W K Kellogg Biol Sta
Michigan St University
3700 East Gull Lake Dr
HickoryCorner MI 49060

Dr David F Parmelee I
Bell Museum Nat Hist
10 Church Street, SE
Minneapolis, MN 55455

Mrs Jean Parmelee I
1595 Northrop Street
St. Paul, MN
55108

Carolyn Porter I
37 Main Street
Topsfield MA
01983

Dr Jennifer M Shay I
Univ of Manitoba
Winnipeg, Manitoba
Canada R3T 2N2

NSF CONTACT

David Schindel
NSF Contact
Biol Research Resource
1800 G Street N W
Washington D C 20550

Tom Callahan
NSF Contact
Div Environmental Biol
1800 G Street N W
Washington D C 20550

* or *

S I

are members of the
CA NATURAL RESERVE SYS