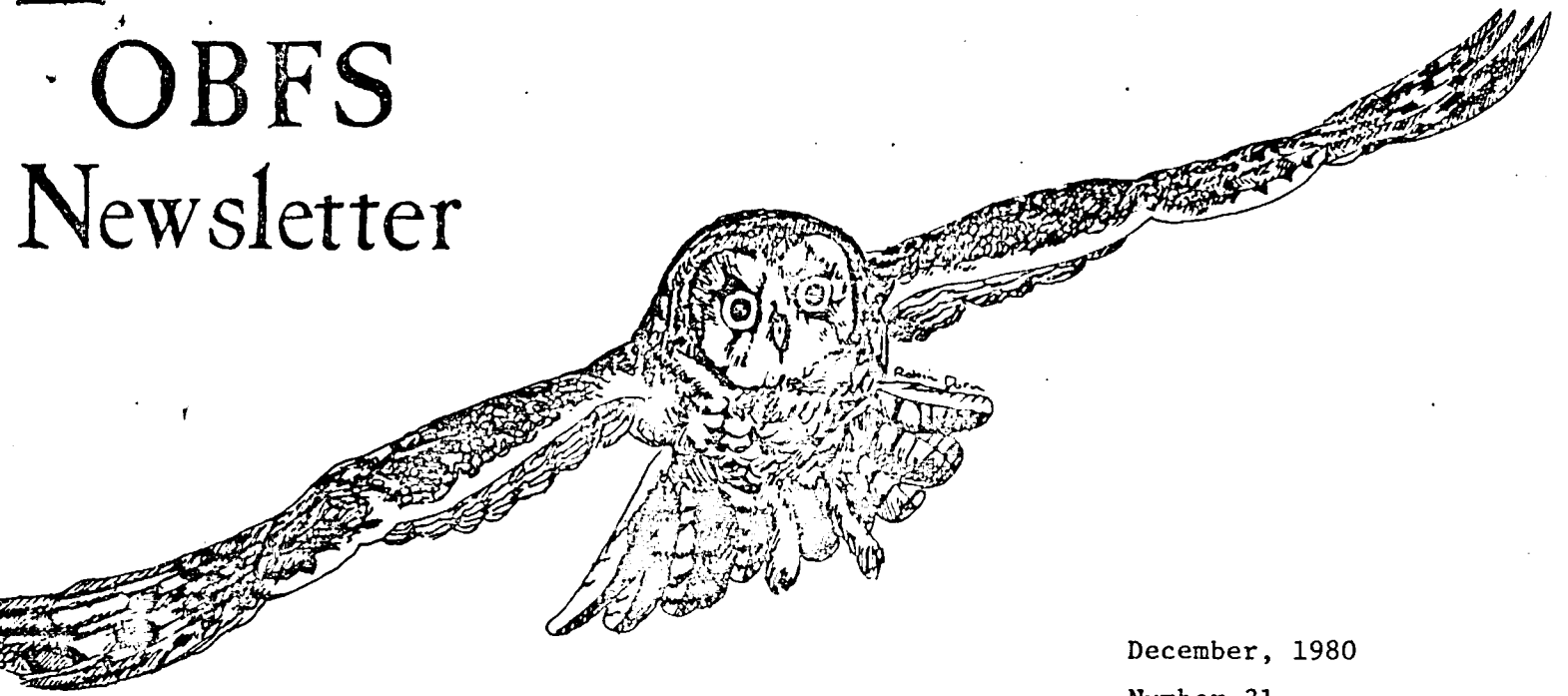


**Organization of  
Biological Field Stations**

**Newsletter  
No. 31  
December 1980**

# OBFS Newsletter



December, 1980

Number 31

## SEASONS GREETINGS!!

This newsletter contains the annual update on member phone numbers and addresses, plus the annual ballot. Please remember to vote. The contents are ordered as follows:

- A. Minutes of 1980 Annual Meeting
- B. Report on AIBS Activities
- C. As discussed at the annual meeting, the newsletter will try to include information on member field stations. This time, Jennifer Shay and Joe Merritt each wrote summaries of their stations.
  - 1. University Field Station (Delta Marsh)
  - 2. Powdermill Nature Preserve
- D. Telephone Numbers for OBFS Members
- E. Current OBFS Membership List
- F. Ye Ole Official Ballotte

The outgoing editor wishes to thank those who made her job possible by submitting information to the newsletter. I hope more station directors will become involved in using the newsletter as a vehicle to carry information relevant to other directors and field stations. The new editor will need the continuing support and input from the membership.

Minutes: 1980 Annual Meeting for Business, September 27 and 28, 1980  
Southwestern Research Station, Portal, Arizona

1. In Attendance: Vincent D. Roth, Host, (Southwestern Research Station, AZ); Robert W. Angell, (University of Denver, CO); Raymond J. Barnett, (Eagle Lake Field Station, CA); Richard W. Coles, (Tyson Research Center, MO); Jeanne B. Davis, (Sierra Nevada Field Campus, CA); Kenneth L. Diem, (National Park Service Research Center, WY); Robert L. Fisher, (Raystown Field Station, PA); Ronald E. Foreman, (Bamfield Marine Station, B.C.); P. P. Harper, (University' de Montreal, Quebec); Richard Hartman, (Pymatuning Laboratory of Ecology, PA); Gordon W. Hodgson, (Kananaskis Centre for Environmental Research, Alberta); David B. Johnston, (Archbold Biological Station, FL); Harold E. Kleiforth, (Whittell Forest and Wildlife Area, NV); Roger Lederer, (Eagle Lake Biological Field Station, CA); Peter J. Marchand, (Babcock Preserve, VT); Joseph F. Merritt, (Powdermill Nature Reserve, PA); V. T. Parker, (Sierra Nevada Field Campus, CA); David F. Parmelee, (Bell Museum of Natural History, MN); Frank C. Pennington, (California State University, CA); Misha Plam, (Mountain Research Station, CO); Jerome G. Rozen, Jr. (American Museum of Natural History, NY); Jennifer Shay, (Delta Marsh, Canada); Edmund Smith, (Anatec Labs, CA).
2. President Dalgleish convened the Saturday meeting at 8:30 A.M. and welcomed those present. The program was modified to include Ed Smith's report on Experimental Ecological Reserves II and Jerry Rozen's report on the Biological Research Resources Program at NSF in the morning. It was announced that Don Beam of AIBS had sent his regrets that he could not attend our meeting but sent good wishes and some information via Dalgleish. Dalgleish commented that he hoped the officers would be able to make their reports interesting and that he will seek guidance from the membership concerning what they wanted the organization to do in the future.
3. Coles, the Secretary-treasurer, reported that the current membership stands at 73. In the past year we gained three new members and lost 5 members thru resignations and the closing of stations. Changes of member stations include: Dr. John A. Stanford has replaced Dr. John F. Tibbs as Director of the U. of Montana Biological Station; Dr. John Janovy has replaced Dr. Brent B. Nickol as Director of the Cedar Point Biological Station in Nebraska; Dr. Ronald E. Foreman has replaced Dr. J. E. McInerney as Director of the Bamfield Marine Station; Dr. James A. Lackey has succeeded Dr. George R. Maxwell II at Rice Creek Biological Station; Dr. Robert W. Angell replaced Dr. Mario Iona at the High Altitude Laboratories of the Univeristy of Denver; Dr. James E. Martin succeeded Dr. Sven Froiland at the Black Hills Natural Science Field Station; Dr. David C. Allison has replaced Dr. Robert H. Buchholz at the Monmouth (Ill) College Biological Station; Dr. Tom Parker succeeds Dr. Bonnie Jeanne Davis at the Sierra Nevada Field Campus of San Francisco State University, and Dr. Frank Pennington has followed Dr. Raymond J. Barnett as Director of the Eagle Lake Field Station of California State University at Chico.

The minutes of the previous meeting were approved as circulated in Newsletter #29 (November, 1979).

Someone inquired about the number of members electing the station (\$50 dues, with vote) category of membership as opposed to the individual (\$10 dues, non-voting) kind of membership. Not having the figures at his disposal, Coles promised to

insert a note in the minutes. (Secretary's note: To date in 1980, 35 members have elected to be station members, and 27 members have chosen to be individual members.)

It was mentioned that the terms of office of the President, Vice-President and Secretary are for two years, ending in December, 1981. Coles acknowledged and apologized for an error which appeared on the most recent 'Ye Olde Official Ballot' which mistakenly indicated that the President would serve until December, 1982.

Future meetings are presently scheduled as follows: 1981 - Huyck Preserve, (NY); 1982 - University of Michigan Biological Station; 1983 - Kananaskis Science Center (Alberta Canada); 1984 - Mountain Research Station, (CO).

In his role as treasurer, Coles reported that, as of Sept. 25, 1980 the OBFS account held a balance of \$3051.01. Since last year, there had been income from dues (\$2,150), Course Announcement (\$930), Cashing in of the Certificate of Deposit (\$1000), interest on the C.D. (\$15). Major expenses had been: new checks, stationery, postage (\$76), meeting expenses (\$354), AIBS dues (\$100), Newsletter expense (\$233) and Course Announcement expenses (\$1013).

4. The Editor (Bonnie Jeanne Davis) reported that two Newsletters had been prepared and mailed (Nov., 1979 and May, 1980) as well as a mailing prior to the annual meeting. The Nov. '79 issue had included minutes of the prior business meeting, a ballot, lists of members addresses and telephone numbers, and a questionnaire on fee structure and support of member stations and on summer course structure and costs. The May issue included analysis of the results of the questionnaire and announcements about NSF programs. The reaction of those present to these was very favorable.

Davis solicited feedback and suggestions about content for future Newsletters. She offered to include coverage of several member stations if the Directors would provide descriptive material. (Later the following volunteered to provide at least one page blurb on their facility: Marchand, Angell, Fisher, Shay, Merritt). Davis also said the editor could do more questionnaires and publish the results. As examples she suggested the topics: Courses, and publicity efforts. Third area of possible coverage would be a listing of funding possibilities.

In discussion those present explored areas where OBFS could or should not provide communication about matters of mutual concern such as equipment, instructors, funding programs (although here it is difficult to provide current information), information about other stations, mailing lists, etc. A mutual exchange of flyers, pamphlets, etc. was suggested. Dalgleish offered to provide a list of Foundation's Offices, etc. which have provided funding for ecological research, and observed that AIBS might be able to provide a list of Federal Funding Agencies.

5. Hartman, representative to AIBS reported that he and Dalgleish attended the AIBS Board of Governor's meeting in November, 1979 and that he would attend in November, 1980. In recent years the AIBS has incurred deficits resulting from the annual meeting. The adherent societies are not meeting with the AIBS as much as in the past; at the 1980 meeting only two adherent societies met concurrently. The AIBS

Finance Committee is looking into the matter. Consideration is being given to moving the 1983 meeting to a hotel/convention center rather than continuing the habit of meeting on an academic campus. (The 1981 meeting is set for Bloomington, Indiana; the 1982, for University Park, Pennsylvania).

AIBS has been working with Senate committees and other entities to prevent or delay establishment of a National Periodical Center as the resultant decline in circulation for journals would injure them financially. AIBS continues its work with Congress to keep up the funding levels for NSF and programs supporting Biology.

Economy moves under way in Bioscience include moving to 11 issues in 1981 by combining the July and August issues, and integrating the feature/news section into the text, thus reducing cost. A new Research Reports Preview section will appear in January, 1981.

In a 1979 survey of AIBS membership, a drop from 70% to 60% of the members being on the faculty of a four year college/university was revealed. Most of the balance are at junior colleges. Regarding the AIBS budget, Hartman reported that most of the income comes from publications and the membership. An analysis of the proposed 1981 budget for expenditures was in Hartman's hands and was available to anyone who cared to examine it. No attempt was made to present it to our group.

6. The nominations Committee (Hodgson, Hartman and Shay) proposed Joe Merritt as the nominee for the post of editor, the only office with an approaching vacancy. The victim of the elector process will serve from January, 1980 through December, 1982. Nominations from the floor were welcome until the business meeting of Sunday, the 29th.
7. In the President's report, Dalgleish summarized recent OBFS activities. The Course Announcement was again distributed to 2500 individuals on the AIBS mailing list of chairpersons of Bioscience departments in North America. A delay was caused when AIBS sent the wrong mailing list. The announcement was also sent to 120 individuals who requested copies in response to a notice placed in Bioscience. Upon solicitation of the members feedback, it was clear that the effort should be repeated. In that event, Dalgleish suggested the printing of a somewhat larger number of copies. Cost to those listed would never-the-less remain the same, (\$30). Those desiring to be listed should submit coursetitles to Dalgleish by December 1. It is assumed that all readers will be aware that some courses listed may not in fact be offered. Therefore station directors should not hesitate to submit course titles on the basis of uncertainty that all their courses will be given.

Dalgleish reported that the Nature Conservancy data base on field stations is incomplete and replete with errors. Therefore it cannot serve as a convenient departure point in the formulation of a new directory of field stations as had been envisioned at last year's meeting. He suggested that the executive committee consider getting a new copy of the entires for member stations and forwarding each director a copy of the information on his station. He or she, would then be in a position to send a corrected version to the Nature Conservancy. It was also suggested that the executive committee should seek a grant from NSF to support the correction of the data base and the compilation of a new directory. This would be helpful to TNC, OBFS, NSF, ERR's and presumably other alphabetical

entities. How to represent marine/aquatic facilities remains an open question.

Dalgleish described plans for the next meeting which will occur at the Huyck Preserve during the celebration of its 50th anniversary. The festivities will include a conference on "Discovery in the Field." Invited speakers and attenders at the conference will include (tentatively in some instances): Phillip Handler, Donald Griffin, Eugene Odum, Tom Eisner, Jerry Rozen and Ernst Mayr. It is anticipated that the proceedings will be published in the October '81 issue of Bioscience. The Huyck Preserve is 30 miles by car from Albany, NY which is accessible by air.

(As usual the meeting will occur in late September, owing to integration of OBFS activities with the conference, the exact dates of the meeting, which may be somewhat expanded, will appear later.)

8. The Saturday business meeting was adjourned so that, after a break, those in attendance could hear the presentations of Ed Smith on Experimental Ecological Reserves II, and Jerry Rozen on the status of the Biological Research Resource Program at NSF.
9. The second session of the annual business meeting was convened Sunday, Sept. 28, shortly after many in attendance returned from viewing an Elegant Trogon. Under old business, a call was made for further nominations from the floor for the office of Editor. None were offered and the nominations were closed.
10. Discussion on the future role for OBFS continued. Dalgleish, seeking guidance from the members present suggested that we continue to prod NSF to give consideration to applications from stations which have not been nominated as EER's. The approach would be constructive and positive in tone. Those present were supportive.

Barnett suggested we continue to somehow encourage that environmental educators be given an experience at a field station. Initiatives started at last years meeting have not yet gotten very far.

A new directory would be helpful in describing the resources and habitats represented at field stations both to NSF and to environmental educators. Dalgleish mentioned that he was working on a format which is needed in order to describe stations for a future directory and for presentation of materials on stations in our own Newsletter.

The executive committee will meet in Washington DC in November at about the same time as the annual meeting of the AIBS Board of Governors.

Hartman described an environmental education program which was held at Pymatuning for 25 teachers from elementary and junior high schools. An NSF grant provided a stipend for attenders, honoraria for instructional staff involved in the effort, and reimbursement to the station for use of its equipment, vehicles, etc. The School of Education at the University of Pittsburgh (Pymatuning's parent institution) organized the program.

Plam mentioned that a statement from OBFS encouraging universities and colleges

to require a field experience as a part of the experience of students majoring in Biology. In his institution, and probably elsewhere, such a statement would assist his efforts to convince his Biology Department. Shay agreed to draft such a letter and circulate it to those in attendance for suggestions before compiling the final version. The letter would then be available to those members who would like to use it.

On behalf of the assembly, Dalgleish thanked Smith and Rozen and the American Museum of Natural History which operates the host station for their contributions to our meeting and for their support of field stations.

An upswell of appreciation to Vince Roth and the staff of the Southwestern Research Station for their generous hospitality, accommodations, good food, orientation to local habitats and the other amenities which they provided was a suitable note on which to close our meeting. Adjournment was moved by Hodgson, seconded by Hartman and passed unanimously.

## Report on AIBS Activities

As the representative of OBFS I attended the meeting of the Board of Governors of the American Institute of Biological Sciences (AIBS) in Arlington, Virginia on November 13-15, 1980 and I offer the following as a summary report. AIBS continues to have serious budget problems. These are related in part to losses resulting from recent annual meetings, to increased costs of publication of BioScience, and to an unsatisfactory formula for assigning dues from member societies. Although estimated income for 1981 is higher than that received in 1980, expenses are also expected to increase. Discussion by the Board of Governors of the proposed budget for 1981 centered on a recommendation by the Executive Committee for a reduction of funds for use by the area of Government Relations within AIBS. The feeling was expressed by many of the board members that the activity of AIBS in the area of Government Relations was one of the most important functions that AIBS performs for its member societies. Following this discussion the 1981 budget was approved with the stipulation that there should be some internal adjustments made in the budget and that the position of assistant director for Government Relations be retained as a full time position. It is intended that this be a balanced budget for 1981. A resolution was passed that a zero-based budget be formulated for 1982 and that a study be carried out to assure that every person employed by AIBS is essential.

An item of interest to member societies is a decision to change the formula for calculating dues charged the societies for membership in AIBS. It was pointed out that AIBS picks up a large part of the costs associated with the annual meetings. If a loss is incurred, and this has



happened in recent years, the entire deficit is absorbed by AIBS. It is not shared by the societies which meet under AIBS sponsorship. Representatives of several large societies (lead by the Ecological Society of America) proposed a change in the dues structure which should increase the income to AIBS. The following formula was approved beginning in 1982:

Individual society membership up to 600 will pay  
\$1.00 per member.

Individual society membership over 600 will pay  
25 cents (25¢) per member to a maximum of \$2000.

A member shall be defined as a full dues-paying  
professional member.

Dues for industrial/corporate members will be  
\$1000 per year.

This new formula will not affect OBFS because of the small size of our organization. (We pay \$100 to AIBS although our assigned dues are actually less than that amount.)

A resolution was passed requiring the officers to pay particular attention to membership in AIBS during the next year. Although most biologists belong to one or more professional societies associated with AIBS the number of persons with individual membership in AIBS is not large. An attempt will be made this year to send each individual member of associated societies some material from AIBS. It is essential for individuals to understand what functions AIBS performs for biologists at the national level.

BioScience now has a new editor, Dr. William G. Van der Kloot, who replaces John A. Behnke. Dr. Van der Kloot has been professor of Physiology and Biophysics and Chairman of the department at SUNY-Stony Brook.

Individual societies are asked to notify AIBS of the dates of their annual meetings so that conflicts in scheduling can be avoided. This is not likely to occur with the annual OBFS meeting but I will notify them of our dates for 1981.

OBFS members should be aware of the Special Science Programs group within AIBS. This committee, headed by Herb Ward of Rice University, undertakes sponsored programs supplying special information or other needs by various organizations. Overhead generated by this program is an important component of the AIBS budget.

Richard T. Hartman, Vice President  
Organization of Biological Field Stations

## UNIVERSITY FIELD STATION (DELTA MARSH)

### CAPACITY

The University Field Station (Delta Marsh) accommodation includes five married units, and 40 beds in two- and four-bedded rooms and one eight-bedded room.

### UNIVERSITY FIELD STATION (DELTA MARSH) PROGRAMS

The University Field Station (Delta Marsh) has three main facets in its year round operation:

1. research and teaching at the graduate and undergraduate levels
2. continuing education and high school ecology programs
3. the provision of workshop and seminar facilities.

### Summer Courses

Each course is of two weeks duration and 3 credit hours. Lectures, field-work and laboratory sessions commence at 8:30 AM and continue all day. The courses offer a unique opportunity for total immersion in the subject. Small class size (12 - max 15) promotes personal contact and an excellent teaching climate. Two courses may run concurrently and the sequence is generally structured to allow more than one course to be taken each year. Introductory and advanced courses are offered. The fee per course is approximately \$65.00 (1981 fees will not be finalized until early 1981) plus \$8.00/day room and board.

### Continuing Education

From the fall until early summer a variety of residential weekend courses are offered for anyone interested. From Friday evening until Sunday afternoon experts conduct lectures, demonstrations and field trips. Courses accept up to 20 persons; the fee for room, board and instruction is generally about \$90.00. Topics covered include bird migration, songbirds, spring waterfowl migration, wildlife photography, marsh ecology, life in lakes and marshes, animal ecology, mammals in winter, winter survival, winter camping, outdoor winter activities, arctic lifestyles and log house building, etc.

### High School Ecology Program

In the fall and spring the Resident Biologist conducts (free of charge) one day ecology programs for schools throughout the province. These may include field exercises from "packages" sent to the schools prior to their visit, nature walks, plant and animal collection and identification and other aspects of field biology. The program is designed to augment the regular classroom course. Between 20 and 25 schools avail themselves of this program each year.

## DINING FACILITIES

The Field Station dining facilities have seating for 45 people.

### FEE STRUCTURE      1980-81

The residential fee for students and researchers is \$8.00/day, which includes three meals and one overnight stay. The fee schedule for visiting groups, workshops and seminars is presently under review, but groups are charged approximately \$15.00/person/day for three meals and one overnight stay, depending on the size of the group.

### USER DAYS      1979

Students and researchers	622 user days
Courses: summer session	312
fall session	262
weekend visits by classes	64
High School Ecology Program	473
Visiting groups, workshops, seminars	700

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Total	2433 user days
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### BUDGET      1979-80

#### Major funding sources

University of Manitoba: allocation for miscellaneous supplies	\$21,000
allocation for support staff salaries	\$39,000
allocation for Miscellaneous Capital	\$ 3,000
Total	\$63,000

Canadian National Sportsmen's Fund for High School Ecology Program, 1979	\$ 5,000
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#### Major expenditures

None for the current year.

## Powdermill Nature Reserve

Star Route South  
Rector, Pennsylvania 15677  
(412) 593-2221

15 October 1980

Powdermill Nature Reserve, the field station of the Carnegie Museum of Natural History, is located in the Laurel Highlands of the Allegheny Plateau in southwestern Pennsylvania. The field station encompasses over 1800 acres of woodland, streams, open fields, ponds and thickets. Elevation ranges from 1200 to 2200 feet. The primary goal of Powdermill scientists is to conduct long-term, continuous monitoring of both plant and animal populations.

The station operates year-round with physical facilities including five cabins, a spacious conference and dining center, assembly building, machine shop complex and many storage buildings. The permanent staff at Powdermill includes a small maintenance crew, a resident director, and a bird-bander. Approximately 40 visitors can be housed in fine rustic style in cabins equipped with kitchenettes. A combination laboratory and dormitory is available to visiting scientists and university groups on a short-term basis. A small nature museum housing representative plants and animals of the Ligonier Valley is open to the public on weekends during spring, summer and fall. A bird-banding laboratory and laboratory of mammalian ecology support the two major research programs at Powdermill. The mammal laboratory houses equipment employed to aid the investigation of mammalian population ecology and energy flow underway by the Resident Director in a mixed deciduous forest on the Reserve. This research program attempts to elucidate the role of mammals (17 species monitored) in the structure and function of an Appalachian montane ecosystem. The work concentrates on the year-round activity of mammals, emphasizing their behavior below a continuous mantle of snow. The bird-banding program is now in its twentieth year at Powdermill. A total of about 170,000 individual birds comprising 162 species have been banded since the program was established. This program deals primarily with passerine species. Additional research conducted at Powdermill includes: systematics of short-tailed shrews, distribution and migrational patterns of aquatic caddis flies, energy flow and insect composition of woodland streams, distributional patterns of amphibians and reptiles, biosystematics, cytology, pollination and life history strategies of Appalachian flora, and methods for the treatment of acid waste from abandoned mines. Scientists working on the above projects are from both the Carnegie Museum of Natural History and universities throughout Pennsylvania.

A summer education program caters primarily to local children and is coordinated and instructed by staff of the Section of Education, Carnegie Museum of Natural History. This program spans a two-week period and emphasizes local natural history understanding and appreciation of nature.

The principal means of support of Powdermill Nature Reserve is through endowment income, gifts and grants. A nominal charge (donation) is requested for cabin usage for non-Carnegie visitors.

Joseph F. Merritt, Ph.D.  
Resident Director

TELEPHONE NUMBERS OF OBFS MEMBERS

ANGELL, Dr. Robert W.

Campus: (303) 753-3620

ALLISON, Dr. David C.

Campus: (309) 457-2021

BAXTER, Dr. George T.

Campus: (307) 766-4207

Home: (307) 745-4155

BETTS, Dr. Burr J.

Campus: (503) 963-2171, ext. 310

Home: (503) 963-9647

BOVBJERG, Dr. Richard V.

Campus: (319) 353-3421

BROWN, Dr. D. F.

Campus: (819) 569-9551

Home: 569-9551

BRUCE, Dr. Richard C.

Station: (704) 526-2602

BULTSMA, Mr. Paul M.

Station: (605) 439-3475

COLES, Dr. Richard W.

Station: (314) 938-5346

Home: (314) 938-5271

DALGLEISH, Dr. Robert C.

Station: (518) 797-3440

Home: (518) 797-3259

DAVIES, William

Station: (219) 619-353-

Campus: (219) 482-5582

Home: (219) 484-7358

DAVIS, B. Jeanne

Temporary Numbers

Campus: (512) 471-7435

Parents: (915) 388-4983

Friends: (512) 459-4465

DAVIS, Dr. John

Station: (408) 659-2664

Campus: (415) 642-3567

Home: (408) 659-2672

DIEM, Dr. Kenneth L.

Station: (307) 543-2557

Campus: (307) 766-4207

EDIGER, Dr. Robert

Campus (916) 895-5656

FERGUSON, Dr. Denzel

Station: (503) 493-2629

Home: Same

FICKEN, Dr. Millicent

Station: (414) 675-6844

Home: (414) 377-7962

Pg. 2 - OBFS Telephone Numbers

FISHER, Dr. Robert L.

Campus: (814) 643-4310  
Home &  
Station: (814) 658-2191

FLORA, Dr. Charles J.

Station: (206) 293-6800  
Campus: (206) 676-3510  
Home: (206) 398-2491

FOREMAN, Dr. Ronald

Station: (604) 728-3301  
Home: (604) 738-3239

GATES, Dr. David M.

Station: (616) 539-8408 (Summer Only)  
Research: (616) 539-8406  
Campus: (313) 763-4461  
Home: (313) 769-4847

GRAHAM, Dr. Benjamin F.

Campus: (515) 236-6181, ext. 595

HANNAN, Dr. H.H.

Station: (512) 245-2284  
Home: (512) 392-5754

HARMAN, Dr. Willard N.

Station: (607) 547-8778  
Campus: (607) 431-3703  
Home: (607) 988-7716

HARPER, P.P.

Station: (514) 563-3111  
Campus: (514) 343-6790  
Home: (514) 678-2959

HARTMAN, Dr. Richard T.

Station: (814) 683-5813  
Campus: (412) 624-4278  
Home: (412) 486-4902

HERDENDORF, Dr. Charles E.

Station: (419) 285-2341  
Campus: (614) 422-8949  
Home: (419) 285-2531

HILL, Dr. Loren G.

Station: (405) 564-2463  
Campus: (405) 325-5391  
Home: (405) 329-7016

HODGSON, Dr. Gordon W.

Station: (403) 673-3662  
Campus: (403) 284-6344  
Home: (403) 288-1559

JANOVY, Dr. John

Station: (308) 284-6501  
Campus: (402) 472-2307

JOHNSON, Donald W.

Station: (502) 474-2226  
Campus: (502) 474-2786  
Home: (502) 474-8871

KETCHLEDGE, Dr. Edwin H.

Station: (315) 848-2524  
Home: (315) 473-8805

KLIEFORTH, Dr. H. E.

Station: (702) 784-6188

Pg. 3 - OBFS Telephone Numbers

KUNZ, Dr. Thomas H.

Station: (603) 525-3311; 3322  
Campus: (617) 353-2432, x 2472  
Home: (617) 235-6744

LACKEY, Dr. James A.

Station: (315) 341-2343  
Campus: Same

LAUFF, Dr. George

Station: (616) 671-5144

LAYNE, Dr. James N.

Station: (813) 465-2571

LEDERER, Dr. Roger J.

Campus: (916) 895-5800  
Home: (916) 343-6870

LUKENS, Dr. Paul, Jr.

Station: (715) 739-6655  
Campus: (715) 392-8101 ext. 253

MAGNUSON, John J.

Station: (715) 385-2750  
Campus: (608) 262-2840

MARCHAND, Dr. Peter J.

Campus: (802) 635-2356  
Home: (802) 635-7720

MARTIN, Dr. James E.

Campus: (605) 394-2494

MARTIN, Dr. Robert E.

Station: (616) 597-4298  
Campus: (616) 528-3140  
Home: (616) 526-7484

MARTIN, Dr. William H.

Station: (606) 633-5828  
Campus: (606) 622-3122

MARZOLF, Dr. Dick

Station: (913) 532-6643; 6615

MERRITT, Dr. Joe

Station: (412) 593-2221

MILLER, Dr. Neil A.

Station: (901) 876-5772  
Campus: (901) 454-2970  
Home: (901) 761-0143

MURRAY, J. J. Jr.

Station: (703) 626-7196; 7171  
Campus: (804) 924-3151  
Home: (804) 924-7868

PARKER, V. T.

Campus: (415) 469-2375

PARMELEE, Dr. David F.

Station: (218) 266-3302; 3691  
Campus: (612) 373-1292

PENNINGTON, Dr. Frank C.

Campus: (916) 895-5929



Pg. 4 - OBFS Telephone Numbers

PAYNE, Dr. Willard W.

Station: (914) 677-5343

PLAM, Dr. Misha

Station: (303) 492-8841

Campus: (303) 492-6387

ROTH, Dr. Vincent

Station: (602) 558-2396

SHAY, Jennifer M.

Station: (204) 274-2106

Campus: (204) 474-8176

Home: (204) 453-5830

SMITH, Edmund

Office: (707) 526-7200

SOLTERO, Dr. Raymond A.

Station: (509) 359-2498; 2532

Campus: Same

Home: (509) 235-6644

SPEAIRS, Dr. Richard K., Jr.

Home: (318) 861-6059

STANFORD, Dr. Jack A.

Station: (406) 982-3201

Campus: (406) 243-5823; 5141

SWEENEY, Dr. Robert

Station: (716) 862-5625

Campus: (716) 862-5422; 5423

TEER, James G.

Station: (512) 364-2643

Home: (512) 364-1411

WARNOCK, Dr. John

Station: (217) 256-4519

Campus: (309) 298-1272

Home: (309) 833-2947

YOUNG, Dr. Steven B.

Station: (802) 888-4331

Campus: Same

Home: (802) 888-4533

\* \* \* \* \*

These are the telephone numbers  
that are available in our files.  
Any additions or corrections  
would be greatly appreciated.....

Dr. Robert W. Angell Dept. of Biological Sciences University of Denver Denver, CO 80210	11/50	William Davies Department of Biological Scien. Indiana U-Purdue Univ-Ft. Wayne 2101 Coliseum Blvd. East Fort Wayne, IN 46725.	11/50	Dr. Robert E. Gordon Office of Advanced Studies University of Notre Dame Notre Dame, IN 46556	11/50
David C. Allison, Chairman Dept. of Biology Monmouth College Monmouth, IL 61462	11/50	Dr. B. J. Davis c/o A. F. Davis P. O. Box 975 Kingsland, TX 78639	11/50	Dr. Benjamin F. Graham Conard Environmental Res. Area Grinnell College Grinnell, IA 50112	11/50
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Dr. John Janovy  
School of Life Sciences  
University of Nebraska  
Lincoln, NE 68588

John J. Magnuson  
Trout Lake Biological Station  
C/o Lab. of Limnology; U-Wisc.  
Madison, WI 53706

V. T. Parker  
Sierra Nevada Field Campus  
San Francisco State University  
1600 Holloway Ave.  
San Francisco, CA 94132

11/80  
Dr. S. H. Jenkins  
Whittell Forest & Wildlife Area  
Univ. Nevada; P. O. Box 60220  
Reno, NV 89557

11/80  
Dr. Peter J. Marchand  
Babcock Nature Preserve  
Johnson State College  
Johnson, VT 05656

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Dr. David F. Parmelee  
Field Biol. Program/U. Minn.  
349 Bell Museum of Natural Hist  
Minneapolis, MN 55455

11/80  
Donald W. Johnson, Director  
Hancock Biological Station  
Murray State University  
Murray, KY 42071

11/80  
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Black Hills Nat. Science Fie. St.  
Augustana College  
Rapid City, SD 57701

11/80  
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Eagle Lake Station  
California State University  
Chico, CA 95929

11/80  
Dr. Edwin H. Ketchledge  
Dept. of Forest Botany-St. Coll  
of Environ. Science & Forestry  
Syracuse, NY 13210

11/80  
Dr. Robert E. Martin  
Box 5041-Tech Aqua Biol. Sta.  
Tennessee Technological Univ.  
Cookeville, TN 38501

11/80  
Dr. Willard W. Payne  
The Cary Arboretum  
Box AB  
Millbrook, NY 12545

11/80  
Dr. H. E. Klieforth  
Whittell Forest & Wildlife Area  
Univ. Nevada; P. O. Box 60220  
Reno, NV 89506

11/80  
Dr. William H. Martin  
Division of Natural Areas  
Eastern Kentucky University  
Richmond, Kentucky 40475

11/80  
Dr. Misha Plam  
University of Colorado  
Mountain Research Station  
Nederland, CO 84066

11/81  
Dr. Thomas H. Kunz  
Sargent Biological Field Sta.  
Boston University  
Peterborough, NH 03458

11/80  
Dr. Dick Marzolf  
Division of Biological Sciences  
Kansas State University  
Manhattan, KS 66506

11/80  
Richard H. Podolsky  
Stockton State College  
Pomona, NJ 08240

11/80  
Dr. James A. Lackey  
Rice Creek Biological Station  
State University College  
Oswego, NY 13126

11/80  
Dr. Joe Merritt  
Powdermill Nature Reserve  
Star Route South  
Rector, PA 15677

11/80  
Dr. Loren S. Putnam  
Dept. Zoology-Ohio State Univ.  
1735 Neil Avenue  
Columbus, OH 43210

11/80  
Dr. George Lauff  
W. K. Kellogg Biological Sta.  
Michigan State University  
3700 East Gull Lake Dr.  
Hickory Corners, MI 49060

11/80  
Dr. Neil A. Miller  
Edward J. Meeman Biol. Field Sta.  
Memphis State University  
Memphis, TN 38152

11/80  
Dr. R. E. Richards  
Rocky Mountain Biological Lab  
P. O. Box 668  
Gunnison, CO 81230

11/80  
Dr. James N. Layne  
Archbold Biological Station  
Rt. 2, Box 180  
Lake Placed, FL 33852

11/80  
Dr. Aaron N. Moen  
N.Y. Coll. Agriculture & Life Sc  
Arnot Forest  
Ithaca, NY 14853

11/80  
Dr. Paul Risser  
Univ. of OK Biological Sta.  
730 Van Vleet Oval  
Norman, OK 73019

11/80  
Dr. Roger J. Lederer  
Dept. of Biological Sciences  
California State University  
Chico, CA 95925

11/80  
J. J. Murray, Jr.  
Mountain Lake Biological Station  
University of Virginia  
Room B064, Gilmer Hall  
Charlottesville, VA 22903

11/80  
Dr. Vincent Roth  
Southwestern Biological Sta.  
P. O. Box G  
Portal, AZ 85632

11/80  
Dr. Paul Lukens  
Univ. Wisconsin Field Station  
UW Superior  
Superior, WI 54880

11/80  
Pacific, Marine Station  
Dillon Beach, CA 94929

11/80  
Dr. W. B. Scott  
Huntsman Marine Laboratory  
Brandy Cove Road  
St. Andrews. N.B. EOG 2X0

Dr. Jennifer M. Shay  
Machray Hall-Univ. Field Sta.  
University of Manitoba  
Winnipeg, Manitoba R3T 2N2

11/180  
Edmund H. Smith  
Anatec Labs  
435 Tesconi Circle  
Santa Rosa, CA 95401

11/180  
Dr. Raymond A. Soltero  
Turnbull Lab-Ecological Studies  
Eastern Washington University  
Cheney, WA 99004

11/180  
Dr. Richard K. Speairs, Jr.  
Ouachita Biological Station  
Louisiana State University  
Shreveport, LA 71115

11/180  
Dr. Jack A. Stanford  
Univ. Montana Biological Sta.  
University of Montana  
Missoula, MT 59812

11/180  
Dr. Robert Sweeney  
Great Lakes Laboratory  
1300 Elmwood  
Buffalo, NY 14222

11/180  
James G. Teer  
Welder Wildlife Foundation  
P. O. Drawer 1400  
Sinton, TX 78387

11/180  
Dr. John Warnock  
Kibbe Life Sciences Station  
Western Illinois University  
Macomb, IL 61455

11/180  
Dr. Steven B. Young  
Center for Northern Studies  
Town Hill  
Wolcott, VT 05680