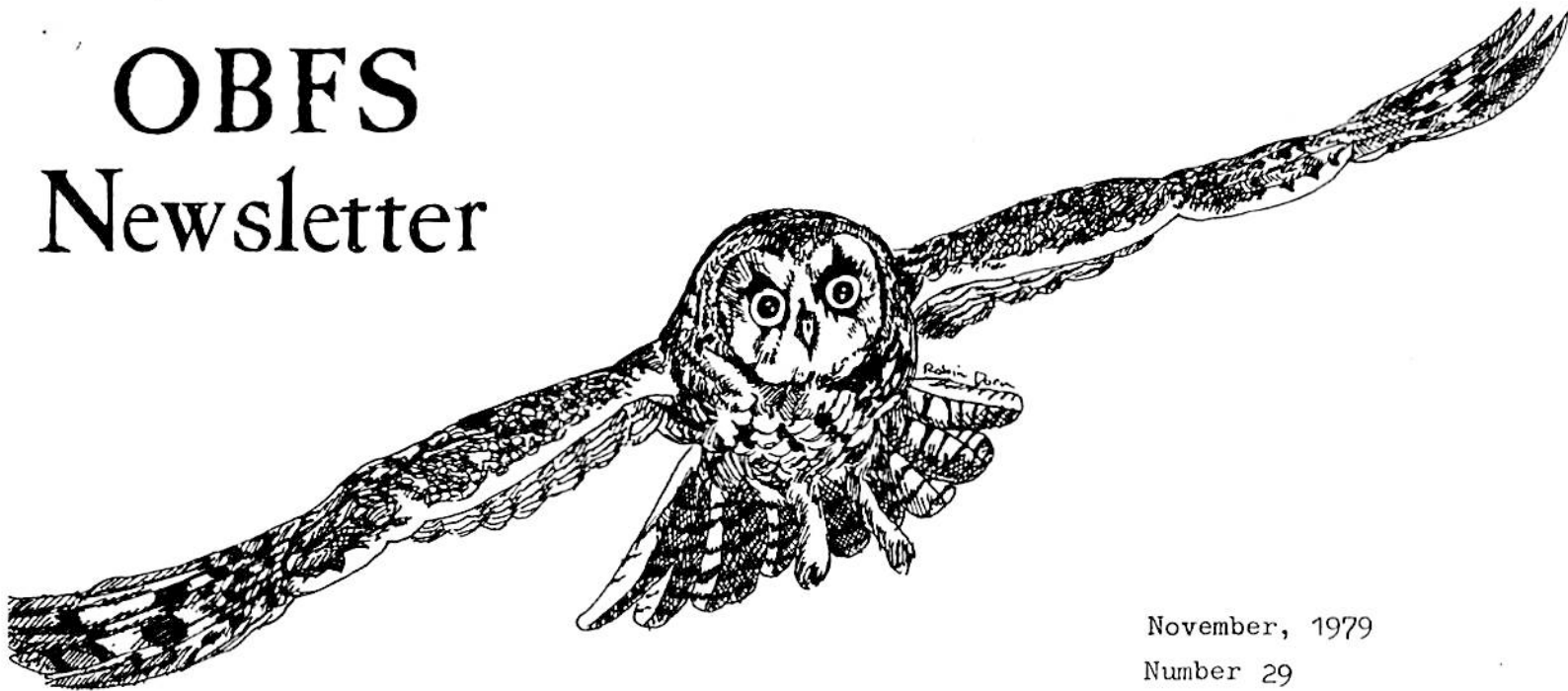


**Organization of  
Biological Field Stations**

**Newsletter  
No. 29  
November 1979**

# OBFS Newsletter



November, 1979  
Number 29

## SEASONS GREETINGS!

In this newsletter are many business items, some of which need input from the membership. Please take the time to read all the items, vote on the new officers and on the changes proposed for our organization, and answer the brief questionnaires.

Enclosed you will find the following:

- A. Minutes from the 1979 Annual Meeting
- B. A discussion of the proposed changes in the Constitution and By-Laws
- C. Telephone numbers of OBFS members
- D. The latest membership list
- E. Ye Ole Official Ballottee
- F. Member Questionnaires
  - a. Annual meeting locations until 1984
  - b. Fee structures and support help of member stations
  - c. Summer course structure and costs

Please return the last items (E and F) to the Secretary-Treasurer, Richard W. Coles. The results will be printed in the March newsletter.

## LAST MINUTE ITEMS FROM PRESIDENT DALGLEISH

- A. Please submit summer courses for the 1980 OBFS bulletin.
- B. Job Announcement -- Kansas State University is looking for an ecologist interested in wildlife management, especially one trained in prairie ecology. Contact Dr. G. R. Marzolf, Division of Biology, Manhattan, Kansas 66506.
- C. Three of the executive committee will meet with NSF representatives at the end of November. Hopefully we will have a description of NSF's Biological Research Resources Program for the next newsletter.
- D. Richard Hartman is replacing R. Dalgleish as the OBFS delegate to AIBS.

Minutes: 1979 Annual Meeting for Business, 9:00 A.M., September 30, 1979  
held at Archbold Biological Station, Lake Placid, Florida

1. In Attendance: James Layne, Host, (Archbold Biological Station, Florida); Ray Barnett, (Eagle Lake Field Station, CA); Richard Coles, (Tyson Research Center, MO); Robert Dalgleish, (E.N. Huyck Preserve, N.Y.); Bonnie Davis, (San Francisco State Field Station, CA); Robert Fisher, (Raystown Field Station, PA); Richard Hartman, (Pymatuning Lab. of Ecology, PA); David G. Huffman, (Southwest Texas Aquatic Station, TX); Donald Johnson, (Hancock Biological Station, KE); Roger Lederer, (Dept. of Biological Sciences, Chico, CA); John Lackey, (Rice Creek Biological Station, N.Y.); Joe Merritt, (Powdermill Nature Reserve, PA); Mark Paddock, (U. Michigan Biological Station, MI); Misha Plam, (Mountain Research Station, CO); Vincent Roth, (Southwest Biological Station, AZ); John Tibbs, (U. Montana Biological Station, MT).
2. President Dalgleish convened the meeting at 9:00 A.M. and presented a presidents report. He reported that the Steering Committee established at the 1978 annual meeting had met in Pittsburgh in May. The hospitality of Dick Hartman is deeply appreciated. The committee developed an outline of a preproposal to be sent to NSF requesting funds for the assembly of a questionnaire to be distributed to stations and the analysis of responses. This would also lead to the compilation of a directory of field stations and the development of a position paper from OBFS on the current status of field stations and their present and future roles in biological research and education. At the previous annual meeting discussion had focused on the problem confronting field stations which are derived from the declining of enrollments at college and universities and of funding for research of the sort for which member stations are most suited at present.

It was anticipated that self-analysis by responding stations and evaluation of the ways in which field stations might broaden their activities would improve the prospects for our future contributions to biology and to society generally. President Dalgleish observed with regret that, after struggling with several drafts of various versions of the preproposal as based on the outline provided by the steering committee, he had been unable to produce an articulate and refined document for transmission to NSF as intended.

3. The Secretary-treasurer reported that recent additions of five new members to the ranks of OBFS have swelled our members to seventy-five (75). A revised list of the membership was distributed and will be submitted to the editor for inclusion in the Newsletter. In addition, a list of members telephone numbers, which had been promised earlier, will also be sent to the editor.

As of 9/28/79 the OBFS checking account carried a balance of \$731.95, up about \$300 over the figure of a year ago. In the interim, income totaled \$1,645 - largely from interest on our \$1,000 certificate of deposit (\$75), dues (\$730.), and sale of space in the Course Announcement (\$825.). Expenditures over the last year totaled \$1,343., and have included dues and contributions to AIBS, (\$100), OBFS, share of travel expenses for attendance of Bob Dalgleish at meetings of AIBS (\$136), office expense, (\$31.), Newsletter, (\$245.), Course Announcement, (\$10.) and expense of annual meeting (\$21.).

4. The Editor, Bonnie Davis, reported plans for a fall Newsletter to include reports from the annual meeting, membership list, phone numbers, etc., a late winter edition and perhaps a missive in July or August. She plans to distribute a questionnaire to member stations soliciting information on fees, and statistics descriptive of their operations. Analysis and publication of the results would follow. The president thanked the editor and complimented her on the increasing professionalism evident since she assumed the reins of this important enterprise.
5. The minutes of the previous meeting were approved as distributed.
6. Old Business
  - a. To follow up previous discussion, it was moved, seconded and passed that a proposal to revise the constitution and bylaws to change the terms of the president and vice-president to two years (instead of the present one year), and that these two officers not be permitted to serve more than two successive terms. If adopted by the membership, this change would take effect with the terms which begin in 1980. This time and henceforth, the terms of president, vice-president and secretary-treasurer start in January of even numbered years. (The term of editor starts in January of odd numbered years.) It was observed that the editor and secretary-treasurer may succeed themselves indefinitely, and that the proposed arrangements are accompanied by the problem of little continuity to bridge the gap between successive terms. The persons involved should be alerted to the need for special attention of the matter of continuity.
  - b. To follow up previous discussion it was moved, seconded and passed to place before the membership for its possible approval, changes in Article IV of the Constitution and Bylaw #6, to establish two classes of membership:  
Institutional Membership (open to biological field stations which would designate a single representative, normally the station director, who would cast the stations vote and be able to hold office in OBFS.)  
  
Personal Membership (open to all individuals who subscribe to the purposes of OBFS. Personal members would have all the privileges of membership except they would neither vote nor hold office in OBFS.)  
  
The secretary was charged with devising suitable wording to place revisions before the membership. In order for these changes to occur, two-thirds of the voting members must approve.
  - c. It was moved, seconded and passed that: If the changes establishing institutional and personal membership passed, then the annual dues be established at \$50 and \$10 respectively for these two classes of membership. The purpose of this change is to enable OBFS to move to a more intense level of activity which would include meetings of the steering committee between the general meetings of the membership each fall.
  - d. President Dalgleish proposed that since a letter from Paul Bultsma had been received indicating that he was unable to continue to serve on the steering committee, that the composition of that committee be changed from the present structure (president, vice-president and three members) to the four officers, plus one representative drawn from the general membership. The matter was discussed but no resolution was reached; instead President Dalgleish suggested that the matter be handled by the board of directors (which is composed of the president, vice-president, editor and secretary-treasurer.)

- e. In general discussion, but without a vote, it was decided to produce the Course Announcement (cost to subscribers, \$30) again this year, hopefully by the end of 1979. Subscribers are urged to submit their plans (even if not yet fully firmed up) to Bob Dalgleish as soon as possible, hopefully by Thanksgiving. Bob pointed out that courses are occasionally dropped, which can still be done even if the course has been listed in the OBFS Course Announcement, and that for most stations there are not many changes in offerings from one year to the next. There is also a need for a suitable photograph; those with something to offer are encouraged to submit a 5" x 7" print to Bob. Previous discussion had considered possible compilation of a joint, expanded mailing list for the poster from lists now used by several members and perhaps lists from some professional societies. However, it was decided to continue as in past years, to distribute the Course Announcement poster to member stations and to those on the AIBS mailing list of 2,000 plus departments of Biology, etc. in the U.S. and Canada.

Favorable comments were offered on the poster as a way to highlight the existence of OBFS and to build enrollments at member stations.

- f. The meeting site for our meeting in 1980 was selected as the Southwestern Research Station of the American Museum of Natural History, located in Portal, Arizona. Vince Roth, the director and host to be, observed that Portal was a scenic three hour drive from Tucson. He suggested that most travelers arrange to arrive on Thursday, Sept. 25, stay in the Spanish Trail Motel (about \$14/night), plan on a visit to the Arizona-Sonora Desert Museum on Friday morning, lunch together in the Tucson area and depart at 1:00 P.M. on a leisurely excursion to the station with an introduction to local environments, arriving around 5:00 P.M. for cocktails, dinner and an evening program on the station and its programs. As usual Saturday would be devoted to general discussion and perhaps a business meeting later on in the day. A suitable evening program followed by an introduction to local night life are among the possibilities. Sunday, the 28th (A.M.) could then be devoted to return to Tucson via an alternate route over the mountains. To facilitate travel, arrival at Tucson would be by 2:00 P.M. Among the several amenities at this facility is the pool which is supplied by 78° water from a hot spring year around. These plans, while tentative at present, are mentioned to enable members to begin planning to gather in Arizona next fall.
- g. President Dalgleish proposed that the Steering Committee appoint a committee to produce a directory. Nature Conservancy has a data base including information on field stations, and a variety of other sites, would serve as a departure point for this project. But it would be necessary to select information for inclusion on the basis of a decision as to what constitutes a field station. The discussion then drifted to the matter of distribution and charges. It was suggested that it might be desirable to get outside support to pay for the distribution of directories to all bioscience departments or the AIBS list plus guidance counselor, appropriate faculty members, etc. in so far as such persons could be identified. It was decided by declaration to establish a committee to produce a directory.

- h. The possibility of OBFS involvement in the future establishment of cooperative courses involving travel among several stations, had come up at the meeting held at Eagle Lake in 1978. In discussion this year, it appeared that rising travel costs and limited interest on the part of OBFS members present, would indicate that if such an enterprise were to come about, it would have to arise out of the interest of one or several members. In the meantime, it would appear unlikely that OBFS can do more than continue to provide an annual meeting and general activities which may serve as a forum to facilitate the development of communication about such a possibility if appropriate.

7. New Business

- a. In earlier general discussion, changes at NSF and the establishment of a Department of Education were discussed, especially in relation to the role of field stations in education and environmental education. It was decided that OBFS should contact the appropriate persons in the Department of Education to emphasize the need for factual content in environmental education and the role which the biological field stations should play in the training of environmental educators. Several members who had to depart early left a draft of such a letter for consideration. With modification it was anticipated that the draft would serve as a foundation for our missive. Since Mark Paddock is acquainted with a national leader in environmental education at the University of Michigan, he agreed to discuss the situation with this person and to report back before a letter is finalized. As our organization has little contact with the discipline, it seemed especially appropriate to acquire input before mailing a statement which might not communicate the intended message effectively. After hearing from Mark and after the shape of the new Department of Education becomes clarified, the Steering Committee will develop a communication based on the present draft.

8. The meeting was adjourned about 11:00 A.M.

*History of OBFS meeting sites:*

Year	Meeting Place	President	Vice President	Sec.-Treasurer	Editor
1966	U. Minnesota, Cedar Creek	Wm. Marshall	Dick Bovbjerg	Loren Putnam	C. A. Tryon
1967	U. Oklahoma, Willis, OK	" "	" "	" "	" "
1968	Ohio State U., Stone Lab.	C. A. Tryon	Loren Putnam	Loren Hill	John Parsons
1969	U. Montana, Flathead Lake	Dale Arvey	Geo. Lauff	Bob Dalgleish	Penny Ficken
1970	Univ. Indiana, Bloomington	" "	" "	" "	" "
1971	Colorado State U., Pingree Park	Geo. Luaff	Loren Putnam	" "	" "
1972	U. Minnesota, Lake Itasca	Loren Putnam	Loren Hill	" "	" "
1973	Huyck Preserve, Rensselaerville, N.Y.	Loren Hill	Bob Ediger	" "	John Tibbs
1974	Col. Pacific, Dillon Beach, Calif.	Bob Ediger	John Tibbs	" "	Jim Barnes
1974	Michigan State U., Kellogg	" "	" "	" "	" "
1975	U. Iowa, Lakeside Lab.	John Tibbs	Ed Smith	Dick Coles	" "
1976	U. Manitoba, Delta Marsh	Ed Smith	Jennifer Shay	" "	" "
1977	U. Pittsburgh, Pymatuning Lab.	Jennifer Shay	Ed Smith	" "	Bob Dalgleish
1978	Chico, Cal. State U., Eagle Lake	Ed Smith	Jennifer Shay	" "	" "
1979	Archbold Bio. Sta., Lake Placid, Fl.	Bob Dalgleish	Dick Hartman	" "	B. J. Davis

I. Proposed revisions of Constitution and By-Laws being placed before the membership as a result of the 1979 annual meeting.

A. Change in term of officers

1. Old wording, Bylaw #2 (wording to be deleted is underlined): The President and Vice-president shall be elected for terms of one year and may be re-elected for not more than two additional terms. The Secretary-Treasurer and Editor shall be elected for terms of two years each and may be re-elected for any number of terms. The terms shall continue until their successors assume office. If for any reason the President shall be unable to carry out the duties of that office, he shall be succeeded by the Vice-President for the remainder of the term. Vacancies in the other offices may be filled until the next election, by appointment of a member in good standing by the Board of Directors to serve the remainder of the term. The duties of the officers shall be those usually devolving upon such offices, except as may be otherwise provided by the Board of Directors.

2. Proposed new wording (to replace underlined wording above):

"2. The President and Vice-President shall be elected for terms of two years starting with the beginning in January, 1980. Individuals elected to these two offices will not be permitted to serve more than two successive terms. The Secretary-Treasurer shall be elected for a term of two years and will also assume office in January of even numbered years. The Editor shall be elected for a term of two years and will assume office in January of odd numbered years. The Secretary Treasurer and Editor may be re-elected for any number of terms.

B. Change establishing two classes of membership:

1. Old wording (wording to be deleted is underlined):

A. Constitution, Article 4, (in its entirety). "4. Membership: shall be open to all individuals subscribing to the purposes of the organization.

2. Proposed new wording (to completely replace Article 4):

A. Constitution, Article 4: "4. Membership: there shall be two classes of membership: (a) Institutional membership shall be open to biological field stations which will designate a single representative, normally the station director, who will cast the vote of the station and would be able to hold office in OBFS. (b) Personal membership shall be open to all individuals who subscribe to the purposes of the organization. Personal members will have all the privileges of membership, except they will neither vote nor be able to hold office in the organization



C. Change in Dues

1. Old wording, Bylaw #6 (wording to be deleted is underlined):

A. "6 Annual dues for membership should be \$10.00. The Secretary-Treasurer shall accept dues to be placed in a special account for disbursement to carry out the purposes of the organization subject to annual audit by the Board of Directors. The fiscal year shall be the calendar year. Members shall be dropped after one year non-payment of dues, but may be reinstated by the Board of Directors following payment of the current annual dues.

2. Proposed new wording (to replace underlined wording above) (to take effect only if approved and only if the change establishing membership classes above is approved): "6. Annual Dues for institutional members are set at \$50.00; annual dues for personal members are set at \$10.00. (The remainder of Bylaw #6 seen above would follow, unaltered.)

TELEPHONE NUMBERS OF OBFS MEMBERS

BARNETT, Dr. Raymond J.

Campus: (916) 895-6476  
Home: (916) 343-9574

DALGLEISH, Dr. Robert C.

Station: (518) 797-3440  
Home: (518) 797-3259

BATT, Dr. Bruce D. J.

Station: (204) 857-8013

DAVIES, William

Station: (219) 619-3530  
Campus: (219) 482-5582  
Home: (219) 484-7358

BAXTER, Dr. George T.

Campus: (307) 766-4207  
Home: (307) 745-4155

DAVIS, Dr. John

Station: (408) 659-2664  
Campus: (415) 642-3567  
Home: (408) 659-2672

BETTS, Dr. Burr J.

Campus: (503) 963-2171, ext. 310  
Home: (503) 963-9647

DIEM, Dr. Kenneth L.

Station: (307) 543-2557  
Campus: (307) 766-4207

BOVBJERG, Dr. Richard V.

Campus: (319) 353-3421

EDIGER, Dr. Robert

Campus: (916) 895-5656

BROWN, Dr. D. F.

Campus: (819) 569-9551  
Home: (819) 569-9551

FERGUSON, Dr. Denzel

Station: (503) 493-2629  
Home: Same

BRUCE, Dr. Richard C.

Station: (704) 526-2602

FICKEN, Dr. Millicent

Station: (414) 675-6844  
Home: (414) 377-7962

BULTSMA, Mr. Paul M.

Station: (605) 439-3475

FISHER, Dr. Robert L.

Station: (812) 643-4310

COLES, Dr. Richard W.

Station: (314) 938-5346  
Home: (314) ~~587-7265~~  
938-5271

FLORA, Dr. Charles J.

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

FROILAND, Dr. Sven

Station: (605) 394-2426  
Home: (605) 336-4712

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

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

IONA, Dr. Mario

Station: (303) 567-2244  
Campus: (303) 753-2245

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

KUNZ, Dr. Thomas H.

Station: (603) 525-3311; 3322  
Campus: (617) 353-2432 x 2474  
Home: (617) 235-6744

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 x 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. 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

MAXWELL, Dr. George R., II

Station: (315) 341-2243

Campus: Same

Home: (315) 342-0021

McINERNEY, Dr. J. E.

Station: (604) 728-3301

Home: (604) 728-3252

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

NICKOL, Dr. Brent B.

Station: (308) 284-6501

Campus: (402) 472-2307

Home: (402) 466-3704

PARMELEE, Dr. David F.

Station: (218) 266-3302; 3691

Campus: (612) 373-1292

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

SOLTERO, Dr. Raymond A.

Station: (509) 359-2498; 2532

Campus: Same

Home: (509) 235-6644

SPEAIRS, Dr. Richard K., Jr.

Home: (318) 861-6059

SWEENEY, Dr. Robert

Station: (716) 862-5625

Campus: (716) 862-5422; 5423

TEER, James G.

Station: (512) 364-2643

Home: (512) 364-1411

TIBBS, Dr. John F.

Station: (406) 982-3201

Campus: (406) 243-5823; 5141

Home: (406) 549-4384

WARD, Dr. Gertrude L.

Campus: (317) 962-6561

Home: (317) 855-2621

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.....

*December 1979*

## A NEW EMPHASIS IN LONG-TERM RESEARCH

Recognizing that environmental biological research may require more time than allowed by the usual two- to three-year grant period, the Division of Environmental Biology has developed a new emphasis in long-term research. Beginning in fiscal year 1980 the National Science Foundation will make available limited support for long-term research projects. Since Foundation policy requires that budget requests be for no more than five years, initial proposals should request support for three- to five-year periods while presenting a research project in its complete time perspective. Detailed budgets need not be presented beyond the initially requested support period, but the project plan should include a complete treatment of anticipated levels of effort. Awards will be enacted as continuing grants, which require the annual submission of progress reports and updated budgets. This emphasis is organized in the two efforts described below.

### I. LONG-TERM RESEARCH IN ENVIRONMENTAL BIOLOGY

This effort will include the programs of Ecology, Systematic Biology, Population Biology and Physiological Ecology, and Ecosystem Studies. Individuals or groups may submit proposals that identify questions requiring acquisition of data over long periods of time. Where appropriate, applicants are encouraged to coordinate their research with "Long-Term Ecological Research" (LTER) described below. Proposals will be evaluated by the appropriate program of the Division of Environmental Biology.

### II. LONG-TERM ECOLOGICAL RESEARCH (LTER)

The Division of Environmental Biology will make available support for pilot studies in Long-Term Ecological Research (LTER). The goals of LTER are to (1) initiate the collection of comparative data at a network of sites representing major biotic regions of North America and (2) evaluate the scientific, technical and managerial problems associated with such long-term comparative research. Initially, the Foundation expects to fund three to five projects at funding levels not to exceed \$300,000 per year.

LTER will involve groups of investigators working at representative sites located over the continent or within geographic regions. Investigators must focus on a series of core research topics, coordinate their studies across sites, utilize documented and comparable methods, and be committed to continuation of work for the required time.

The core research areas are:

- (1) pattern and control of primary production,
- (2) dynamics of populations of organisms selected to represent trophic structure,
- (3) pattern and control of organic matter accumulation in surface layers and sediments,
- (4) patterns of inorganic inputs and movements of nutrients through soils, groundwater, and surface waters, and
- (5) patterns and frequency of disturbances.

An LTER proposal may be developed for sites with ongoing research or for sites that are entirely new. The principal investigators must be prepared to make long-term time commitments and should consider (1) continuity of leadership, (2) institutional cost sharing, (3) physical facilities, (4) site integrity, (5) conflict in use of a site, and (6) long-term agreements with site owners. Attention must be given to the following items: (1) baseline information, (2) bibliographies and libraries, (3) reference collections, (4) data storage, and retrieval, (5) information synthesis and publication, (6) site promotion and (7) external review of project operation. Priority will be given to sites identified in Experimental Ecological Reserves: A Proposed National Network (available from the Superintendent of Documents, also U.S. Govt. Printing Office, Washington, DC 20402, No. 038-000-00321-6).

During the early phases of a project, attention must be given to the tasks of assuring information comparability and inter-project coordination. These tasks will be facilitated through workshops and meetings between LTER investigators. Adequate provision for these meetings should be made. Baseline studies of macroclimate, geology, soils and sediments, flora and fauna, and past disturbances may be initiated as they relate to the five core areas. Researchers should coordinate their studies with those working at other reserves and natural areas, such as Biosphere Reserves.

Contact: Long-Term Research  
Division of Environmental Biology  
National Science Foundation  
1800 G street, N.W.  
Washington, DC 20550

Proposal Preparation:

Requirements for format cited in "Grants for Scientific Research (NSF78-41)" apply generally. Cover pages should be clearly marked in one of the following fashions: "Long-Term Research in Environmental Biology" or "Long-Term Ecological Research."

Proposal Deadline: February 4, 1980.

NSF 79-64

Director  
Tyson Research Center  
Washington University  
P.O. Box 258  
Eureka, MO 63025

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# NOTICE OF FACULTY VACANCY

## Department of Biological Sciences San Francisco State University

PLANT ECOLOGIST/DIRECTOR OF SIERRA NEVADA FIELD CAMPUS  
(Terrestrial population or community-ecosystem ecologist)

- POSITION: Assistant or Associate Professor of Biology. Tenure-track. Starting late August, 1980.
- QUALIFICATIONS: Ph.D. Degree. Comprehensive training in Botany with specialization in terrestrial ecology and demonstrated administrative ability. Preference will be given to applicants with strong field orientation and experience in physiological and other experimental aspects of ecology.
- RESPONSIBILITIES: Half-time devoted to Directorship of Sierra Nevada Field Campus to develop teaching and research programs. Half-time teaching at graduate and undergraduate levels and supervision of graduate research. Teaching duties include specialized courses in plant ecology and participation in lower division courses and do research in area of specialty especially emphasizing departmental goals.
- SALARY: \$16,368 - \$24,828/year
- FACILITIES & AFFILIATIONS: The Department of Biological Sciences is housed in a modern Biological Sciences Building. Also, a close affiliation exists with the California Academy of Sciences and the Tiburon Center for Environmental Studies.
- The Sierra Nevada Field Campus is located 230 miles from San Francisco in the Tahoe National Forest. The campus uses include summer and winter courses, and weekend field trips.
- APPLY TO: Dr. Paul R. Barnes  
Department of Biological Sciences  
San Francisco State University  
San Francisco, CA. 94132
- PLEASE SUBMIT: Curriculum vitae, list of publications, reprints, a resume of research and teaching goals, and three letters of recommendation.
- APPLICATION DEADLINE: February 15, 1980

San Francisco State University is an Equal Opportunity/Affirmative Action Employer. Minority and female applicants are encouraged.