

**Organization of
Biological Field Stations**

**Newsletter
No. 54
Summer 1992**



ORGANIZATION OF BIOLOGICAL FIELD STATIONS

Number 54

Summer 1992

Newsletter Editor

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Powdermill Biological Station

The Carnegie Museum of Natural History

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NEWSLETTER

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I. *** 1992 Annual Meeting ***

Reservation Information and Program

AGENDA FOR 1992 MEETING OF OBFS, MALHEUR FIELD STATION
Princeton, Oregon

Theme: Improving interactions between governmental agencies and field stations.

WEDNESDAY, 16 SEPTEMBER 1992

Travel day for those going on optional, pre-meeting field trip.

Mixer/supper

Introduction to Thursday's field trip (Lucile Housley).

THURSDAY, 17 SEPTEMBER 1992

OPTIONAL FIELD TRIP: ALVORD DESERT LOOP

Long loop (ca. 230 miles) from Malheur east and south around Steens Mountain. We begin by driving E from MFS to Hwy 78 via (New) Princeton (27.3 miles), passing Malheur National Wildlife Refuge's HQ's site (4.4 miles). At (New) Princeton we will turn S on Hwy 78 and proceed about 25.7 miles to Folly Farm. Here, there is a gravel road that heads SW, and will take us into the Alvord Basin along the E escarpment of Steens Mountain, the world's largest fault-block mountain. Mann Lake (outhouses) appears on the right, about 24.6 miles from Folly Farm. The Mickey Hot Springs turnoff is another 6.9 miles SE of Mann Lake. This is an excellent area for lizards in the late spring and early summer; however, during September, the only lizards not estivating will be newly hatched young. The round trip into Mickey Hot Springs is 12.6 miles.

Further S (7.8 miles), Pike Creek appears on our right. This area is excellent for birds, thunder eggs, and is the site of a fossil flora (Pike Creek, Arcto-Tertiary Geoflora). It overlooks the Alvord Desert Playa (salt flat, hot springs w/bathhouse about 1 mile S of the road into Pike Creek). Another side trip can be made to Borax Lake, home of the Alvord Chub, about 23 miles S of the Alvord Bath House.

The small community of Fields is located about 24 miles S of the Alvord Bath House. Fields is famous for the milkshakes they sell in the small restaurant, its birding, and its flush toilets. Be sure and check your gasoline situation here, as they do sell it, and you might not be able to make it to the next filling station in Frenchglen (40-plus mi.).

Depending on time and interest, the trip can now return to MFS via the Catlow Valley or proceed about 9 miles farther S to Cottonwood Canyon (a right turn). Just S of Fields is the northern limit of the range of Ephedra, and this plant is abundant at Cottonwood Canyon. Cottonwood Canyon is a good place for birds and lizards; the adult lizards will probably be estivating, however.

Proceeding N from Fields, take the first left-hand turn. This will lead us up over a summit into the Catlow Valley, past Catlow Cave (10.6 miles from Fields), a valuable archaeology site, Roaring Springs Ranch (about 30 miles), recently purchased by The Nature Conservancy, and into the town of Frenchglen (41.7 miles, or so). From Frenchglen, we proceed N on Hwy 205 and arrive

at MFS after travelling about 40 miles. This is a very beautiful drive in the evening and skirts the W edge of MNWR's marshes, mesic fields, and canals. The drive should provide you with many opportunities to see wildlife of all kinds.

(Thurs. con't)

Travel day for those attending the regular meeting.

Evening mixer/supper and registration.

Introduction to Malheur Field Station (Lucile Housley).

2030 - ? Executive Committee meeting.

FRIDAY, 18 SEPTEMBER 1992

MORNING:

0815 - 0945 Discussion of agency/field station interactions:

- [] BUREAU of LAND MANAGEMENT: Mike Green, Burns District Office.
- [] US FISH and WILDLIFE SERVICE: Forest Cameron, Malheur National Wildlife Refuge; or, Bob Parenti, Regional Office, Boise, ID.
- [] US FOREST SERVICE: Dr. George Moeller, Deputy Station Director, Pacific Northwest Research Station, Portland, OR.

Note: Other agencies and organizations will be represented on the field trips (SCS, ODF&W, TNC, Audubon, Sierra Club, Oregon Ranchers, Oregon Desert Assoc., etc.). There will be several opportunities for discussions.

0945 - 1000 Break.

1000 - 1200 Introduction to the ecology of southeastern Oregon:

- [] GEOLOGY: Dr. Ellen Benedict, Consultant and Instructor, MFS.
- [] PALEOHISTORY: Peter Mehringer, Washington State University; or, Rick Miller, Squaw Butte Range & Experiment Station
- [] VERTEBRATES: Robert Storm, Professor Emeritus, Oregon State University
- [] ORNITHOLOGY: C.D. Littlefield, Consultant, California Fish & Game.

AFTERNOON: Bag lunches on the ROAD!

1200 - 1630 FIELD TRIP(s): CENTRAL PATROL ROAD

MNWR encompass about 185,000 acres which include Malheur, Harney, and Mud Lakes, numerous ponds in the Blitzen Valley, as well as alkali flats, rimrocks and sagebrush-juniper uplands. Malheur Lake and its associated marsh are fed by runoff from Steens Mtn from the S (Blitzen River) and the Silvies River from the N. The Blitzen Valley consists of extensive marshes, wet meadows, and riparian areas.

The Central Patrol Road (CPR) takes you through the center of the valley and close to many birding spots. Fall wildlife attractions consist mainly of, but are not limited to, waterfowl (Canada geese, mallards, and many others), greater sandhill cranes (staging before migrating to the Central Valley of California for winter). There are also many other kinds of wildlife, including a good diversity of raptors, deer, various owls, white-faced ibis (and other shorebirds), egrets, trumpeter swans, and other waterfowl.

or,

DIAMOND CRATERS

Diamond Craters is a geological wonderland created about 25,000 YBP when molten basalt spilled from fissures which flooded a relatively dry lake bed. Before the initial layer cooled completely, more basaltic magma was injected underneath the initial layer, creating six arching domes which we now call Diamond Craters. This field trip will allow you to see lava flow, pit craters, maar, pahoehoe lava, spatter cones, kipulkas, and other volcanic features. The return trip will take you past modern ranches and the Peter French Round Barn, which was constructed during the last century and used to break horses during the harsh winters.

Led by Ellen Benedict, Consultant & Instructor, MFS.

1630 - 1800 Standing Committee Meetings and Attitude Adjustment Hour.

1800 - 1845 Supper.

1900 - 2030 OBFS Business Meeting.

2030 - ? Resume Attitude Adjustment, and [maybe] Committee Meetings.

SATURDAY, 19 SEPTEMBER 1992

MORNING:

0815-0900 Discussion of National Science Foundation programs. (National Science Foundation representative: Tom Callahan? Jim Edwards?)

0900-1000 OBFS Business Meeting.

MORNING/AFTERNOON:

1015-1830 FIELD TRIP: STEENS MOUNTAIN

Loop road to summit, return via Frenchglen and the Blitzen Valley. Transition from Great Basin sage brush through juniper and mountain mahogany to aspen groves, culminating with alpine tundra plant communities -- great birding, great VIEWS, GREAT PLACE! Reported to be the largest fault-block mountain in the world, the summit ridgeline averages about 9,300 feet in elevation. The past three glacial advances have created a landscape that is considered to be one of a kind. Fall is a good time to see rosy crowned

finches, bluebirds, ferruginous hawks, and many other birds and wildlife. An added attraction are the aspen whose leaves will be turning gold. There are many possible stops to illustrate the changes in plant community composition. These include Lily Lake, a very nice example of hydrach succession, Fish Lake (moraine), Whorehouse Meadows, and the Kiger Gorge overlook of the Alvord Basin. It is possible to see mountain bighorn sheep, mule deer, pronghorn, and a diversity of plants and birds.

1900 - 1945 Supper.

EVENING:

2000 - 2200 Field Station Show-and-Tell, including a description of the field station hosting next year's meeting.

SUNDAY. 20 SEPTEMBER 1992

Note: You folks flying out of Boise around noon will have to leave early! It's a 3 1/2-hour drive and there is a change of time zones.

MORNING:

0815 - 1130 Unfinished business.

Depart for home, or for optional field trips to Andrews Forest, Blue River, Oregon and/or Hatfield Marine Science Center, Newport, Oregon.

People who would like to stay on at MFS will be able to do so, but need to make arrangements (503-493-2629).

OPTIONAL POST-MEETING FIELD TRIP: Andrews Forest

Afternoon/evening of Sunday: Drive own vehicle or ride in Oregon State University van to Andrews Forest. Maps will be provided participants suggesting stops for botanizing, birding, etc. as well as places to eat.

MONDAY. 21 SEPTEMBER 1992

Catered breakfast and bag lunch.

Possible topics for tour:

History of research at Andrews Forest.

Old-growth forests/successional dynamics of west-side forests of Cascade Range.

Long-Term Ecological Research Program:

Decomposition studies.

Terrestrial-aquatic interactions/riparian ecology.

Long-term productivity/nutrient cycling studies.

Trophic interactions, terrestrial and aquatic.

Ecosystem management (alias New Forestry).

Landscape ecology.

NOTE: Participants of field trip to Andrews Forest should schedule departure out of Eugene, Oregon for Monday evening or Tuesday morning.

or,

Optional Self-Guided Field Trip: Hatfield Marine Science Center and Oregon Aquarium, Newport, Oregon

Dr. Vern Weber, Director of the Hatfield Marine Science Center, will be on sabbatical this year and unable to attend the OBFS meeting or host a field trip to the Marine Science Center. Nevertheless, Vern invites members to feel free to visit the Marine Center on either side of the OBFS meeting, and suggests the option of a self-guided tour which would include the newly-opened, Oregon Aquarium adjacent to the Marine Center. A behind-the-scenes tour of the Marine Center can be arranged through Ms. Pam Rogers (number below), and the Aquarium is open 7 days a week. There is an admission charge for the Aquarium (adults \$7, teenagers \$5, and children \$3).

Some overnight accommodations will be available at the Marine Center for \$8.00 per person per night (bring your own bag and/or linens). For reservations and further information contact Ms. Pam Rogers at the Marine Science Center, 503-867-0142, or -0100.

The Oregon coast is justifiably famous for its beauty, and September is one of the best times of the year. A day or two in the Newport area would be memorable: beachcombing, fishing, whale watching, birding, etc.

The closest airport to Newport is in Eugene, Oregon, about 2 hours drive.

ABOUT MALHEUR FIELD STATION (MFS)

The Field Station is located on Malheur National Wildlife Refuge (MNWR). The Refuge was established around the turn of the last century by President Theodore Roosevelt, primarily to protect birds like egrets from plume hunters. Since that time, the refuge's primary mission is the management of habitat for wildlife with an emphasis on waterfowl.

MFS has taken over the physical plant of a Job Corps Center. There are three modes of accommodation on site. Dormitory room rates are \$10.00 per person per night. There are men's, women's, and couple's dorms. There are also 9 trailers available for families (\$11.00 per person, per night). The station can handle four RV's if they are self contained (\$7.00 per night).

Meals are provided cafeteria style in the dining hall (\$5.50 breakfast; \$5.00 lunch; \$7.00 supper) and vegetarians will be accommodated. As most of you know, kitchens are notoriously hard to manage in a field station setting (they are perhaps best characterized as black holes into which field station administrators throw money). Therefore, it is very important that you let us know when you will arrive and depart and how many meals you wish to eat at MFS.

REGISTRATION:

Please use the following form to register for the 1992 OBFS meeting and optional field trips (Alvord Basin before the meeting, and the Andrews Forest after the meeting).

If travelling with spouse, friend, etc., please enter the number of people in party to calculate fees for lodging, meals, and optional field trips. Enter total in the righthand column and sum the grand total at the bottom. Mail the completed form along with a check for deposit (made out to Malheur Field Station) to OBFS Registration, Ms. Lucile Housley, Malheur Field Station, HC 72, P.O. Box 260, Princeton, Oregon, 97721.

More information about Malheur Field Station will be mailed to those who register by 1 September. **DEADLINE FOR REGISTRATION: 10 SEPT 1992**

QUESTIONS????? Call Malheur Field Station @ (503) 493-2629.

REGISTRATION FORM

REGISTRATION/FEEES

NAME: _____

ADDRESS: _____

PHONE #: _____

| <u>ITEM</u> | <u>TOTAL</u> |
|---|--------------|
| <u>REGISTRATION</u> (includes coffee/tea, libations, transportation for Friday and Saturday field trips, and meeting room rental) | \$32 |

LODGING
Please bring own sleeping bag/towels. There is a limited supply of linens available at \$5 per stay.

PLEASE ENTER NUMBER OF PEOPLE IN PARTY

@ \$10/person/night

@ \$11/person/night

Single Dorm

Double Dorm

Trailers (families first)

| | | | | |
|--|-------|-------|-------|-----------|
| Wednesday | _____ | _____ | _____ | ... _____ |
| Thursday | _____ | _____ | _____ | ... _____ |
| Friday | _____ | _____ | _____ | ... _____ |
| Saturday | _____ | _____ | _____ | ... _____ |
| Linen fee of \$5 (limited supply)..... | | | | _____ |

MEALS NOTE: Check here if you want vegetarian meals -- []

PLEASE ENTER NUMBER OF PEOPLE IN PARTY

Breakfast

Lunch

Dinner

@ \$5.50 per

@ \$5.00 per

@ \$7.00 per

| | | | | |
|-----------|-------|-------|-------|-----------|
| Wednesday | _____ | _____ | _____ | ... _____ |
| Thursday | _____ | _____ | _____ | ... _____ |
| Friday | _____ | _____ | _____ | ... _____ |
| Saturday | _____ | _____ | _____ | ... _____ |
| Sunday | _____ | _____ | _____ | ... _____ |

OPTIONAL FIELD TRIPS

Alvord Desert (Thursday). Limited to first 50 applicants.

Transportation fee \$10 per person

Andrews Forest (Sunday/Monday)

Van transportation to Andrews Forest and on to

Eugene Airport \$50 per person (limited to 20)

Monday meals at Andrews Forest.

Breakfast & lunch \$10 per person

GRAND TOTAL

DEPOSIT (= lodging + meals (one day) + registration) \$59.50

Will be deducted from final bill, to be paid at Field Station.

HOW TO GET TO MALHEUR FIELD STATION (Phone: (503) 493-2629):

DIRECTIONS -- From Burns, Oregon take State Route 78 east 1-2 miles, turn south on State Route 205, go south on 205 about 24 miles, turn east sign saying "Malheur National Wildlife Refuge/Malheur Field Station", go east 4-5 miles, turn south at sign saying "Malheur Field Station", go south about 1 mile to Field Station -- It'll be obvious, as they're the only buildings around!

SUGGESTIONS -- Participants are advised to pool up on rental cars for the following reasons. There is no bus service from Boise, period. And public transportation from Redmond involves: 1) a shuttle from the airport to Bend (\$14.95 one way); 2) a bus from Bend to Burns (\$20 round trip with following schedule: 7:15 PM departure -- arrive Burns at 9:00 PM; depart Burns 7:15 AM -- arrive Bend 9:45 AM); and 3) a half-hour drive via Malheur Field Station van from Burns to the Station.

The Malheur Field Station will help organize car pooling. Call (phone: 503-493-2629) with your arrival time and location, and the Station will put you in touch with appropriate people.

The two closest airports are Boise, ID and Redmond, OR. Boise, ID will probably prove the most convenient (especially for those not going on the optional field trips) being larger and having more options for car rentals.

Redmond airport has 3 car rental agencies (National, Dollar, and Hertz) and might prove the handiest option for those planning on visiting the Andrews Forest after the OBFS Meeting. Redmond is about a 3-hour drive west from Malheur Field Station and a 2-hour drive east from the Andrews Forest.

Depending upon the number of people interested in the Andrews Forest field trip, there will be 1-2 Oregon State University vans travelling from Malheur Field Station. People can be dropped off at the Eugene airport Monday evening (after 6 PM) or early Tuesday (around 8 AM). One possible variation on travel arrangements would be to schedule flights into Boise, ID and out of Eugene, OR. One could be a one-way car pooler in a rental to Malheur Field Station, and travel by OSU van to the Andrews Forest with continued service to the Eugene, OR airport after the field trip. If you try this option, be sure to register for a seat in an OSU van on the registration form.

II. Reports and Announcements

a. Research Activities and the Migratory Bird Treaty Act

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January 28, 1992

Susan Allen Lohr
President, Organization of Biological Field Stations
Rocky Mountain Biological Laboratory
P.O. Box 519
Crested Butte, CO 81224

Dear Susan,

I am writing to you as President of the Organization of Biological Field Stations to request that you bring before the Organization an important matter. It is common for researchers working at field stations to collect avian blood samples and other material, and therefore I think the matter described below should be of some concern. Directors of field stations may themselves bear certain liabilities, as was the case with me.

Last week the U.S. Department of Justice dismissed the citation against me for allegedly violating the Migratory Bird Treaty Act. Specimens used in my research continue to be held under constructive seizure five months after I sent them to the U.S. Fish and Wildlife Service for inspection. In preparation for the hearing, the U.S. government amassed a 76-page file of evidence which I obtained through a discovery request. Although the file contained no new or incriminating information, it showed a serious effort on the part of individuals within the Division of Law Enforcement of the U.S. F&WS to prosecute what in their own words was a "minor technical violation" and which they frequently likened to a traffic ticket. When I refused to pay the original fine or settle out of court, the charges against me were expanded to include violations of statutes of whose existence I was previously unaware and which the U.S. F&WS had never provided me when they issued my permit. In the week before the case was finally dropped, I was informed twice by the Assistant U.S. District Attorney that if convicted I faced a \$500 fine and six months imprisonment. I was also ordered, under Federal Rule of Criminal Procedure 16 (b and c), to turn over to the Government all relevant documents, scientific experiments and other evidence in my possession.

In the course of this incident, two alarming facts came to my attention.

First, it is a violation of the Migratory Bird Treaty Act to possess any part of a migratory bird. In other words, if you or any of your students or colleagues or family members have on some shelf a feather or bird bone or nest without proper Federal and State authorization, you have committed a misdemeanor. As you know, your innocent intentions or your ignorance of the statutes are inadequate as a legal defense.

Second, under provisions of the Migratory Bird Treaty Act, if found guilty of any misdemeanor you can be fined up to \$500 and sentenced to up to six months in prison. If you had happened to sell or barter the specimens, you would face penalties of a \$2000 fine and two years in prison. The fact that you may be "a college professor of good reputation and high community standing" is no protection should you appeal such a sentence. If you find this a highly improbable scenario, please see "U.S. v. Richards, C.A.," enclosed. Note that this case did not occur in the less-enlightened past but was appealed, unsuccessfully, in 1978.

Let me also make some general observations. Like most people, I had faith that while our system is not perfect, ultimately reason would win out in my case and reverse what became an

increasingly Kafkaesque situation. If that did not work, I was confident that public pressure and the U.S. F&WS's sensitivity to the threat of embarrassment would stop the incident. Letters on my behalf from several Presidents of the Ornithological Societies of North America, from members of the National Academy of Sciences, from a senior biologist in the U.S. F&WS, from the offices of Senator Mitchell and Representative Andrews to all levels of the U.S. F&WS had no measurable effect. I honestly don't know why my particular case was pursued for so long, or why it stopped at the last moment. However, what became clear to me was that decisions (or lack of decisions) by agencies like the U.S. F&WS or Justice Department were apparently made for reasons -- historical, random, personal -- totally unconnected to this particular event. For example, a former Federal prosecutor told me that both government agencies have been lobbied hard in recent years by national conservation and animal rights groups demanding vigorous prosecution of any violation of the Migratory Bird Treaty Act.

Here is the point. I can hardly imagine a biologist actively engaged in research on birds who has not committed a violation, however innocent or trivial, of one of the many statutes dealing with the Migratory Bird Treaty Act. Unbelievable as it may seem, such a violation can be legally prosecuted by individuals uninformed about or antagonistic toward scientific research on birds. Because the Act as it now stands does not contain exemptions for legitimate scientific research, I sincerely feel that members of OBFS are at best in jeopardy of interruptions of their research, costly legal fees, and the distraction and worry of legal prosecution. At worst we face severe and disproportionate legal sanctions.

When this episode began, I wrote the USF&WS that I felt that ornithologists had only three choices when faced with prosecution for technical violations of confusing and cryptic statutes associated with the Migratory Bird Treaty Act. First, we could try to avoid notice of our work by no longer applying for permits and no longer making open declarations. Second, we could continue attempting to do our research openly but face the risk of penalties when we made an innocent mistake. Or third, we could stop conducting experimental research on migratory birds. I told them that I saw the second choice as my only option. But having taken that option, wasted a huge amount of time, and, I now realize, barely "dodged a bullet," I have changed my mind. In the future, if these statutes are not modified, I have decided not to continue experimental research on migratory birds if I have to put up with excessive bureaucracy and personal risk at the hands of the Division of Law Enforcement of the U.S. F&WS. At least one of our colleagues has already taken that step; he told me, "I don't put bands on birds anymore because of the hassle."

I strongly urge OBFS to take immediate steps to use the association's collective influence to change the Migratory Bird Treaty Act. Please do not hesitate to contact me if I can be of help.

Best regards,



Nathaniel T. Wheelwright

cc Martin Morton, President, Cooper Ornithological Society
Burt Monroe, President, American Ornithologists' Union
Richard Banks, President, Wilson Ornithological Society
Jed Burtt, President, Association of Field Ornithologists
James Brown, President, American Society of Naturalists
Ronald Pulliam, President, Ecological Society of America
Julie Denslow, President, Association for Tropical Biology
Peter Raven, President, American Institute for Biological Science

b. Questionnaire --

Children's Science Education Programs

Dear Field Station Director:

We are looking into expanding our summer children's day camp into a year around science education program, and request your assistance. Please take a few minutes to let us know what you are doing by circling the appropriate answers and making any comments you wish to add.

- 1) Yes No Do you currently have a children's science education program? (If yes, please go to #3)
- 2) Yes No Do you plan to implement one soon?
- 3) Yes No Is your program year 'round?
Is it summer only?
Is it during the school year only?
- 4) Yes No Is your program residential?
- 5) Yes No Does your program include off site activities?
- 6) Yes No Do you work with local elementary and/or secondary schools?
- 7) How is your program funded?
- 8) What suggestions or words of wisdom are you willing to offer a field station beginning a children's year 'round program?

Return to:

Susan Brown
Rocky Mountain Biological Lab
P.O. Box 519
Crested Butte, CO 81224

c. A new publication by OBFS!

**DATA MANAGEMENT
AT
BIOLOGICAL FIELD STATIONS
AND COASTAL MARINE LABORATORIES**

January 1992

Report of an Invitational Workshop
April 22-26, 1990
W.K. Kellogg Biological Station
Michigan State University

sponsored by
Organization of Biological Field Stations
and
Southern Association of Marine Laboratories

prepared for
National Science Foundation
Division of Biotic Systems and Resources
Biological Research Resources Program

edited by
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Any opinions, findings, conclusions, or recommendations expressed in this report are those of workshop participants and do not necessarily reflect the views of the National Science Foundation.

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