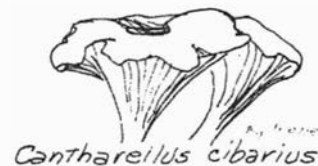


SPORE PRINTS

BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY
Monroe Center, 1810 N.W. 65th St., Seattle, WA 98117

September 1986

Number 224



QUINAULT VALLEY BOTANICAL PRESERVE Irene O'Connor

Tucked between converging water sheds in the foothills of the Olympic Mountains is an area mycologists might dream about. Working toward having these 49 acres of timbered land on F.S. Road 2432-000 set aside for recreation and botanical study was to be my husband Bill's first project after retirement, but death preceded fulfillment of this effort.

In September, the U.S. Forest Service will issue a draft requesting input from the public on the current land planning of the department. If you wish to have "Bill's bog" set aside as a botanical preserve, ask that your name be put on the mailing list. You will have 45 days after the release of the draft to make your recommendations.

Please write a letter telling why you think this tract should be protected for future generations. Tell what makes the area unique or important, what it is used for now, what you would like to see it used for, and why it should be protected. List any mushrooms you may have gathered there. Are they rare? Remember, the preserve will include other representatives of the plant kingdom besides fungi. For best results, be brief and concise.

In the meantime, to familiarize the District Ranger with this tentative plan to preserve a mushroom tract, write to John Henshaw, District Ranger, P.O. Box 43, Quinalt, WA 98575, or call (206) 288-2525.

I can think of no more fitting memorial to Bill.

PHOTOGRAPHIC FILE

Joy Spurr

The photography file is now stored at the PSMS library in the Monroe Center. Members wishing to view and/or borrow slides for classes or lectures may do so during the hours the library is open.

A large metal cabinet contains 1,851 color slides of mushrooms arranged alphabetically by genus and species. This represents 797 species. There are 63 miscellaneous slides, including microscopic characteristics. A separate notebook contains 446 color slides of field trips, exhibits, banquets, etc. Another notebook contains 220 black/white negatives of PSMS activities. A set of two carousels with 156 slides and a cassette tape illustrates all the mushrooms in *The Savory Wild Mushroom* and gives their Latin pronunciation. Two-hundred and nine color slides that may be difficult to replace are stored separately; duplicates are in the metal file.

It has taken many years to accumulate photos of this large number of mushroom species for PSMS educational purposes; therefore we ask members to cooperate on a few rules, posted inside the door of the metal photo file. Publishing or duplicating slides is not permitted. Additions and improvements to this collection are continuous. Any questions on the photo files should be addressed to Joy Spurr, 723-2759.

PSMS BRINGS MUSHROOMS TO KIDS Dennis Bowman

On June 28, Ingeborg McGuire and her staff of workers opened their mushroom display at the U-District Children's Fair. Both children and parents alike were fascinated by the display of photographs, preserved specimens, and fresh fungi. Although rain dampened the day, about 700 children were able to attend the event.



FALL EDUCATION CLASSES

Coleman Leuthy

Orientation: A general orientation to the Society, including activities, is being planned from 6:30 to 7:20 preceding our November membership meeting. All members, especially those joining during the past year, are encouraged to attend. More details in the November *Spore Prints*.

Beginners Class: I will be teaching a beginners class at the Monroe Center on Tuesdays, 7-9 p.m., from September 16 to November 4. We will meet in the auditorium except for October 28, when the room number will be posted on the auditorium doors and at the office/library (Room 104). We will charge \$8.00 for the eight sessions in order to pay for room rent. The Kit Scates flow charts to identify mushrooms at a glance, which we will use each evening, cost \$2.50.

Intermediate Classes: With the help of other PSMS members and members of the Pacific Northwest Key Council, I will be conducting intermediate classes on Wednesdays in our library, Room 104 at the Monroe Center, starting October 1st. A fee of \$1.00 per session will be collected to defray rental costs. People in this class should already be able to recognize the basic common mushroom genera, as we will mostly be keying to species using the Key Council keys and learning some of the less common genera.

In the spring, we hope Monte Hendrickson will again lead his excellent spring field trip, which is always well attended and receives many fine compliments.



P. S. M. S.
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LIBRARY: Room 104 of the Monroe Center.
Hours: Wed. 6 p.m. - 9 p.m.
Thur. 10 a.m. - 2 p.m.

EDITOR: Agnes A. Sieger, 15555 14th N.E.,
Seattle, WA 98155

Calendar

Sept. 8 **Membership meeting**, 7:30 p.m., Monroe Center auditorium

Sept. 15 Board meeting, 7:30 p.m., PSMS library

Sept. 16 Beginners' class, 7:00 p.m., Monroe Center auditorium

Sept. 19 **Spore Prints deadline**

Sept. 20,21 Crysall Springs field trip

Sept. 23 Beginners' class, 7:00 p.m., Monroe Center auditorium

Sept. 27,28 Masonic Park field trip

Sept. 30 Beginners' class, 7:00 p.m., Monroe Center auditorium

Oct. 1 Intermediate class, Room 104

Oct. 4,5 Dalles and Soda Springs gypsy field trip

Oct. 7 Beginners' class, 7:00 p.m., Monroe Center auditorium

Oct. 8 Intermediate class, Room 104

Oct. 11,12 Field trip to Coleman Leuthy's cabin

Oct. 18,19 Annual exhibit, Monroe Center auditorium

Oct. 25,26 Field trip to 29 Pines, Teanaway

Nov. 1,2 Field trip to Rockport or coast

Nov. 8,9 Field trip to Deception Pass

Membership Meeting

Monday, September 8, 1986, at 7:30 p.m. in the Monroe Center auditorium, 1810 N.W. 65th Street, Seattle.

Dr. David Hosford, Professor of Biology at Central Washington University at Ellensburg, will address our September meeting on the subject of "The Ecology of Matsutake and other Fungi." Dr. Hosford's Ph.D. work, under Dr. Daniel Stuntz, was completed in 1969. He currently conducts research on the taxonomy and ecology of mushrooms. Dr. Hosford has studied and taught in Mexico, and was a member of the first expedition of Flora Projecto Amazonica to Brazil in 1978, where he collected and explored the fungi of the Amazon basin. He has also conducted research in Japan, most recently on Matsutake--a project which is continuing in this country. In addition to other studies, he has interspersed research, since the eruption of Mt. St. Helens, on fungus recovery in the "red zone."

PRESIDENT'S MESSAGE

Coleman Leuthy

Welcome to the fall 1986 mushroom season. You may already be enjoying the summer and early fall "Prince," *Agaricus agustus*, which is found in lawns, meadows, or wood lots in association with conifers, and the midsummer flush of the "Fairy Ring Mushroom," *Marasmius oreades*, which inhabits lawns.

Your committee chairpeople are very busy. Many projects are under way. We are planning for an exciting banquet. The annual exhibit is almost upon us. The Exhibit Committee needs hundreds of helpers. Let us all be at the September meeting, sign up for committees, and make this one of our best shows.

Field trips have a new plan for alternates and confirmation of location. Some will be organized in a slightly different manner. Many people, especially new members, enjoy being taken to locations. On at least one trip we therefore plan to make a series of stops outward from Seattle on Saturday. You may still collect in your own special locations or travel directly to the campsite/potluck location. We think that this program will better accommodate more of our members.

Help wanted! (1) Judi and Ernie Boa still need help with the book sales. (2) We are looking for one or more people to help with the mailing of *Spore Prints*, etc. (3) We need several people to help set up our meeting room at 6:30 each meeting night. (4) We also need a few people who could hold down the office each week on a reasonably regular basis. (5) For our mini-display at the membership meetings, we need people who know some mushrooms and their groupings to organize the table and get mushrooms of similar kinds together. (6) Finally, we could use some eager photographers to organize an ongoing photographic group within our club. Come forth and make your presence known. See individual chairpeople or me or sign up on the forms that will be posted at the meeting for this purpose.

Welcome to the following new members:

Sewa Singh Khalsa & Sewa Kaur Khalsa	522-7723
Taylor F. Lockwood	(707) 964-6563
Gilbert S. Plotner, Jr., & Cyndi White	483-8635

COMPLIMENTS TO JOY SPURR

Coleman Leuthy

Our hats are off to you! We know how many hundred hours you've spent to organize and maintain our slide collection. It is in immaculate condition, and, to reiterate Joy's instructions, I know our users will carefully handle, appropriately use, and promptly return the slides. I further emphasize that the slides are primarily for educational purposes, especially during the spring and fall, and should be borrowed only for brief periods. I know our lecturers and educators will greatly appreciate this fine collection. Joy, thank you again for this great contribution, and Roger for his patience and understanding of your devotion.

CLEAR LAKE FIELD TRIP

Jennie Schmitt

This beautiful Memorial Day weekend really brought out the morel hunters and the morels. Coleman and I identified 41 specimens other than morels. Everybody gathered all the morels they could use plus corals and softball-size subsculpta puffballs.

The Bremerton Club (KPMS) were guests of PSMS, but we didn't see much of them; they kept to themselves. Dave and I were the hosts for the foray, with the volunteer help of Sharon Boehm, Betty Hamilton, and Henry and Corinne Cato.

We had three of the best pot lucks ever. Saturday night, there were 52 at the pot luck, including 13 guests. The crowds dwindled as the weekend drew to a close, with 22 for Sunday pot luck and 12 for Monday.

I want to thank all who helped me host and a special thanks to Pat Merrell who loaned us a five-gallon thermos of spring water and kept it full all weekend.

SODA SPRINGS FIELD TRIP

Andy Green

May 31st was a beautiful spring day for our last official field trip of the spring. After setting up the coffee pots, etc., we took off up the hill, leaving the camp in the hands of Joy Spurr, who served both as hostess and identifier. It was quite dry in our little mushroom patch, but people still came into camp with choice morels.

Just before dinner, we had a thunderstorm complete with rain and hail to cool things off and help keep the dust off our plates. Forty-five people signed the register, and the pot luck was fantastic as usual.

EXHIBIT NEWS

Dennis Bowman

Remember that September is the big sign-up month for the October exhibit. Your committee chairs have worked hard this year to plan their displays, and now it is time to fill out their staffs with members who will help staff the booths. So please come a little early to the September meeting and place your name down under a few committees.

This year's poster will be distributed at the September meeting. Would members who distributed posters last year please pick up this year's posters from Pacita Roberts before the meeting. If you haven't distributed posters before but would like to do so, please see Pacita for directions.

EDUCATION COMMITTEE ACTIVITIES

Coleman Leuthy

PSMS continues to offer classes, hold field trips, schedule interesting programs at the membership meetings, produce the annual exhibit, hold library hours, sell mushroom books to members at a discount, etc.

Again this fall, the Education Committee will hold a mushroom "mini-display" in the back room, i.e., the uncarpeted part of the auditorium, at the general membership meetings. Tables will be set up in this room between 6:45 and 7:00 p.m. to display, in a systematic order, mushrooms brought in by members. Members are encouraged to try to identify their collections before they arrive and label them. When you arrive, take your mushrooms to the sorting tables. When the mushrooms have been identified, you may take them to the display tables, where the final identification/verification will be made by an expert identifier.

CONSERVATION AND ECOLOGY

Margaret Dilly

Hi! It's chanterelle time again, and this means the commercial people will once again be out in force.

CEPS (Citizens for Environmental Planning) continued to meet through the summer. CEPS is in the process of writing some legislative language to be added to the Specialized Forest Product Act. Some provisions would put restrictions on us at times but would definitely curtail large commercial enterprises. The Department of Natural Resources task force, which is heavily weighted against the hobbyist, will resume again in September after a summer reprieve.

If the people working on this conservation project are to make any headway at all, they need the cooperation of all club members. (1) Educate people around you; we have flyers available to distribute to other clubs and groups. (2) Make a record of anything you see advertising the buying or selling of mushrooms; take down addresses, phone numbers, and license plate numbers and pass this information along to Kern Henricks at 322-7476 or myself, 782-8511. (3) Be prepared and respond when called on to write letters or make phone calls. Do your part to support our local mushrooms.

SUMMER ACTIVITIES

Agnes Sieger

Monte and Hildegard Hendrickson and Dick Sieger conducted separate mushroom classes at The Herbfarm as part of its summer workshop program. In return, The Herbfarm contributed an honorarium to the Stuntz Memorial Foundation. Dick also helped out at the Olympic Mountain Mycological Society's spring foray at Forks. Brian Luther and Nettie Laycock usually assist OMMS, but this year they were only able to make the fall foray. Brian also gave a technical talk on parasitic and predatory fungi to the Tacoma Mushroom Society, illustrated by slides that were, in the words of the *Inky Captions* editor, "both fascinating and disgustingly explicit." In a related vein, Steve Rehner will give a workshop on microscopy at the upcoming NAMA foray in September.

These are only the activities that reached the attention of *Spore Prints*. I'm sure there are others. If you know of any PSMS members who have donated time and expertise to furthering knowledge of the world of mushrooms, let us know so we can recognize them.

FALL FIELD TRIPS

Andy Green

Hey, campers! It's mushroom time, so let's hit the woods.

Field trip format this fall will be basically the same. Camp will be set up by 9:00 a.m. and most of the "old pros" will be into the woods soon thereafter, so new folks or anyone wanting hunting help should be there by 9:00 a.m. Bring lunch, and eat it where you may. Pot luck dinner is Saturday evening at 5:00 p.m. or 4:30 later in the season. Pot luck time will be set in the morning by the hosts and will not be changed during the day for any reason.

Starting this season we will be using the PSMIS phone recorder for last minute updates or cancellations. *Everyone* planning to attend the field trip for a given weekend should call the recorded message at 783-4942 after noon on Thursday for the latest info.

September 20, 21 Crystal Springs Forest Camp
Use I-90 over Snoqualmie Pass. Nine miles east of the summit, take the Stampede Pass exit #62. Turn right at the stop sign. After a quarter mile, before the bridge, stay right to enter the camp.

September 27, 28 Masonic Park
This private camp, four miles east of Granite Falls, is available for our use Saturday and Sunday only. We will collect modest fees for day use and overnight camping. From Snohomish, follow State Highway #9 north to the State Highway #92 turnoff. Follow #92 east to Granite Falls and continue east for about four miles. Watch for the sign that directs you to turn left into Masonic Park.

October 4, 5 Dalles and Soda Springs Forest Camps
We will have a Gypsy trip starting at Dalles Forest Camp with pot luck at Soda Springs. To reach Dalles, go to Enumclaw and travel about 25 miles southeast on State Highway #410. Turn right into the well marked camp. Soda Springs is east of Dalles. Take Highway #410 over Chinook Pass. About 17 miles past the summit, turn right onto the Bumping Lake road #174 and continue for about five miles to Soda Springs Forest Camp, on the left.

BOOK REVIEW

Helena Kirkwood

[*Poisonous Mushrooms of the Northern U. S. and Canada*, J. F. Ammirati, J. A. Traquair, P. A. Horgen, University of Minnesota Press, 1985, 396 pp., \$75]

This is a big, beautifully illustrated book which is neither emergency room handbook nor coffee-table decoration but rather a thoroughly researched and indexed treatise/reference book on a particular phase of mushroom study.

There are two major subdivisions: Part one, just 70 pages long, is entitled "The Fungus Fruit Body" and includes chapters on macroscopic and microscopic features, methods of study, and taxonomy. Short keys and descriptions of chemical reagents used in mushroom identification are part of this section as is basic nomenclature.

Part two encompasses most of the remaining 326 pages and is entitled "Fungal Poisoning." Because not all of the actual toxins causing human poisoning have been identified as yet and because there are the same toxins in different genera and both poisonous and nonpoisonous species within the same genera, the

seven types of poisoning have been defined according to the time of onset of symptoms after ingestion. This is rather arbitrary because of such factors as amounts consumed, concomitant use of alcohol or other drugs, either recreational or prescription, etc., but until more exact knowledge of the toxins and their identification is available, it provides a starting point for tentative diagnosis and treatment. No attempt is made to include medical treatment methods. For these, one is referred to the 1977 book on mushroom poisoning by Lincoff and Mitchel.

Outstanding for ease of use is the fact that the line drawings of microscopic characteristics are included adjacent to the species being described. And there are both general and technical descriptions. The color photographs of species in each of the seven groups are clustered at the end of each of the seven chapters devoted to each type of poisoning. Cross references are frequent and accurate.

Finally, for the really serious students and the professionals, there are lists of reference materials, authorities cited, and locations of collections of actual mushrooms. A glossary and Ridgway color-term list are also included.

BOARD NEWS

Betty Hamilton

Joy Spurr reports she has moved the slide collection to the library. The new exhibit posters will be ready for distribution in September at the membership meeting. The Survivor's Banquet will be held at Wang's in Bellevue. A new vacuum gauge has been purchased for the freeze dryer, enabling us to freeze dry material in time for the exhibit in October.

CLASSES

FORAYS

TOURS

Class: A class on "Exploring the World of Wild Mushrooms" will be held at the Center for Urban Horticulture, University of Washington, Tuesday and Thursday, September 23 and 25, 7 to 9 p.m. The instructor will be Joy Spurr. Call 545-8033 to register in advance. The location is 3501 N.E. 41st Street.

SIMA Foray: The Southern Idaho Mycological Association will be holding its fall foray September 19-21 at the Christian Youth Camp, west side of Cascade Lake, Donnelly, Idaho. The foray mycologists will be Dr. Nancy Smith Weber of the University of Michigan and Dr. Harry D. Thiers of San Francisco State University. Pre-registration is not necessary. For details, call Roger Rosentreter at (208) 334-1928.

Wild Mushroom Conference: A wild mushroom conference will be held at Breitenbush Hot Springs, Oregon, near the Mt. Jefferson Wilderness, from October 30 - November 2, 1986. Scheduled speakers are Dr. James Trappe, Gary Lincoff, James Jacobs, Paul Stamets, and Gary Menser. For further information, write Breitenbush, P.O. Box 578, Detroit, OR 97342 (503) 854-3501.

Truffle Tour: The Third Annual Gourmet Truffle Tour will occur January 3-19, 1987, and will include Austria, Switzerland, Yugoslavia, and North Italy. Tour leaders will be Dr. James Trappe, President of the Mycological Society of America, and truffle expert Gary Menser. For a brochure and additional information, contact Frank Pipal, Educational Tours Inc., 5935 South Pulaski Rd, Chicago, IL 60629 or call (312) 767-0477 or 767-9076.