

SPORE PRINTS

BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY
2559 NE 96th, Seattle, Washington, 98115

October 1983

Number 195



MORE HELP IS NEEDED FOR THE EXHIBIT Dennis Bowman

In just over a week from the time you read this notice, the doors will open for our 20th Annual Exhibit. We have been working on it since last spring, but the visible tasks can be done only now. Even though most committee heads have some help, they could use more. It would be very helpful, if you would pick up your phone right now and call them, to tell them that you will help. Don't wait till Monday.

The publicity committee distributed our posters and handouts to our members at the last membership meeting. But we have not seen them all displayed yet. Please take them to your neighborhood stores. You might even display one in the window of your car! If you need more posters, please call me at 525-8399.

This year, again we have a hospitality committee chaired by Richard Davis. The food will be served during posted hours only. Suggestions for food donations are: bread, sweet rolls, fruit, cheese, sandwiches, salads, desserts, cold meats and fish. Please do not bring hot dishes as no provision is being made for it. PSMS will provide coffee, tea, fruit-juices, cups, napkins, paper plates & plastic ware. Please bring a little extra for those who generously donate their whole weekend to the Exhibit!

I also encourage as many members as possible to go out on Friday, October 14th or even Saturday morning, to collect fungi for the Show. If you have not been assigned an area, call George Rafanelli (767-4408) and ask for one. On Friday evening, after 5:00 pm you can deliver the mushrooms to the north side of the Monroe Center. You may drive through the paved alley on the north side of the building. But don't park there.

The call for help goes to new members as well as the old timers. The committee heads know what has to be done; they will assign you a task, you don't have to be an expert. But they cannot do it alone, they need all of our assistance. So don't hesitate and participate.

Remember our Show dates are October 15 & 16, 1983 at the Monroe Center. Hours are Saturday Noon to 8:00 pm and on Sunday, 10 am to 6 pm. And please ask for rain that will provide us with an abundance of fungi for the Exhibit!

COMMITTEE CHAIRPERSONS

General Exhibit Chairman:	Dennis Bowman	525-8399
Assistant Chairman:	Don Schultz	226-2217
Arts & Crafts:	Tatiana Roats	842-3750
Book Sales:	Judi & Ernie Boo	725-1235
Commercial Display:	Bob Honno	767-6381
Construction/Clean up	Milton Grout	747-0497
Decorations:	Margaret Holzbouer	762-3053
Feel & Smell:	Ed & Ello Cantelon	242-6115
Freeze Dry:	Dr. Patricia Winter	486-4264
Fungus Collection:	Elizabeth Dequine & George Rafanelli	789-6728 767-4408
Fungi in Foodstuff:	Edith Godar	821-5147

Greenery Collection:	Paul Rule	1-794-8987
Greeters:	Earl & Margo Harrison	932-1612
Hospitality:	Richard Davis	328-0440
Identification:	Charles Volz	363-5465
Labeling:	Helena Kirkwood	784-1095
Membership:	Aino Kunz	362-7402
Micro Projection:	Sally Ann Hansen	244-0435
Mushroom Dyes:	Ella Cantelon	242-6115
	Caroline Higgins	725-9369
Mushroom Receiving:	Ed & Ella Cantelon	242-6115
Mushroom Preservation:	Ethel Bennett	784-6236
Publicity	Dennis Krabbenhoft	839-2454
	Richard Pauli	282-3525
Security	Don Schultz	226-2217
Slide Show	Joy & Roger Spurr	723-2759
Tray Arrangement	Margaret Dilly	782-8511
PSMS Storage & Moving	Monte Hendrickson	523-2892
Ticket Sales	Ferris Anderson	747-3133

SAVE AND FREEZE OR DRY MUSHROOMS FOR BANQUET

Now is the time to preserve extra, edible mushrooms for the Survivors Banquet next March. If you are finding a lot of choice edible *Chonterelles*, *Boletus edulis*, etc. put up a few extra containers and donate them next spring towards the banquet.

NEEDED: MUSHROOMS FRUITING IN THE CITY

Darlene Zabowski, a graduate student in Forest Resources at the UW is studying the heavy metal content of fungi growing on sewage sludged sites. She wants to extend her research and include mushrooms grown in the city. PSMS members are asked to collect mushrooms fruiting in the city. They must be (1) labeled with the exact location found (i.e. street address) (2) Name and phone number of collector (3) date picked (4) substrate

About 4 oz. of tissue is needed for analysis (one mushroom is not enough) and also, please include 1 or 2 whole fruiting bodies for identification and storage.

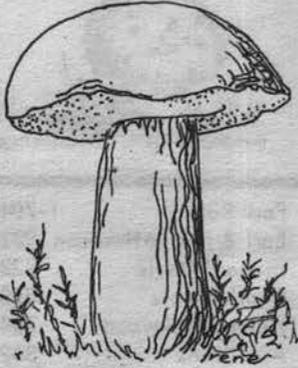
Please bring the mushrooms to the October membership meeting and when you collect for the Exhibit.

THE 1983 NAMA FORAY

Robert B. Maguire

The Pacific Northwest was well represented at the Foray with about 25 people attending. The Foray was held from August 19 through 23 at Snow Mountain Ranch, Granby, Colorado. This Foray honored Alexander H. and Helen V. Smith, who have spent many years collecting in Western States and for their help to amateur mycologists everywhere. Dr. Orson K. Miller, Jr. was the Foray mycologist.

Forays on chartered buses were scheduled for full or half days into some of the most scenic and beautiful parts of Colorado. Collecting was done at altitudes of 8,000 feet or higher. Mother Nature cooperated to the fullest and rainfall was well above average before the Foray, resulting in an abundance of fungi with more than 300 species recorded.



P.
S.
M.
S.
Spore
Prints

is published monthly, except July and August, by the
PUGET SOUND MYCOLOGICAL SOCIETY
 2559 N.E. 96th, Seattle, Washington 98115
 Direct all mail to this address

OFFICERS Milton Grout, President, 1984 (1)
 John Kunz, Vice-President, 1985 (2)
 Ferris Anderson, Treasurer, 1984 (1)
 Betty Hamilton, Secretary, 1985 (1)

TRUSTEES Term expires March 1984: Kearney Kozai (1)
 Marian Maxwell (1); Richard Pauli (1); Don
 Schultz (2); Charles Volz (1).
 Term expires March 1985: Ernie Boa (1); Judi
 Boa (1); Hildegard Hendrickson (2); Monte
 Hendrickson (2); Charlotte Turner-Zila (1).

ALTERNATES: Edward Bush; Sally Ann Hansen; Ron Skoor.

IMMEDIATE PAST PRESIDENT: Carl Hermanson

SCIENTIFIC ADVISER: Dr. Joseph Ammirati

Calendar

- Oct. 8 - Saturday only - Field Trip to the Dalles Forest Camp
- Oct. 10 Monday, Membership Meeting, 8:00 pm
- Oct. 15 & 16 THE 20TH ANNUAL EXHIBIT
- Oct. 17 Monday, Fall Class, Monroe Center, Rm 317
- Oct. 17 Board Meeting, 7:30 pm
- Oct. 22 & 23 Field Trip to Crystal Springs Camp Ground
- Oct. 24 Monday, Fall Class, Monroe Center, Rm 317
- Oct. 26 Deadline for Spore Prints Material. Send to the Editor, 2559 NE 96th, Seattle, WA 98115
- Oct. 29 & 30 Field Trip to Millersylvania State Park
- Oct. 31 Monday, Fall Class, Monroe Center, Rm 317
- Nov. 5 & 6 Field Trip to Oak Patch Camp
- Nov. 7 Monday, Fall Class, Monroe Center, Rm 317
- Nov. 14 Monday, Beginners' Class 6:45 pm
 Membership Meeting, 8:00 pm

FRESH MUSHROOM CUTLETS N. Idaho Mycol. Association

1 cup chopped fresh mushrooms; 1 chopped green onion;
 2 eggs, beaten; 1/2 cup seasoned bread crumbs; 3/4 cups of
 grated cheese.
 Combine these ingredients thoroughly and fry.

Membership Meeting

Monday, October 10, 1983, 8:00 pm in the auditorium of the MONROE CENTER, 1810 N.W. 65th Street, Seattle.

Program: Jennie Schmitt, a past president of PSMS and a teacher of many mushroom classes, will present a slide-illustrated lecture titled: "Seeing is Believing". The talk will concentrate on mushroom identification with the use of keys. It is a very timely topic at the peak of the fall mushroom season.

BOARD NEWS

H.R.H.

The September Board meeting was chaired by Vice-President John Kunz, since President Grout was holding the initial session of the fall identification class. The Treasurer gave the customary cash flow report.

The Board discussed the coming field trips which are listed elsewhere in this issue.

President Grout had supported the opposition in regard to the planned dam in the Teanaway valley. Notice was received that this area is not further under consideration for a dam site, and we can continue to enjoy its beauty and all the fungi that fruit there.

There was a brief discussion about the Daniel E. Stuntz Memorial Foundation. More later.

The rest of the meeting was devoted to going over the preparations already made for the Annual Exhibit, as well as how the rest of the planning is progressing. We will have an excellent Exhibit in October.

However, the Society still is in need of storage for the burlap panels. A total space of no more than 6' x 8' x 7'(high) of dry storage is necessary. There must be some member of our Society who has such available. Please call Monte Hendrickson at 523 - 2892.

PSMS WAS REPRESENTED AT THE ERNST DO IT YOURSELF FAIR

Monte Hendrickson

PSMS displayed one tray decorated with mushrooms as well as information about our Society and our Annual Exhibit. If the interest of the public is any indication, there should be a good attendance of our Exhibit. Most of the questions centered on where wild mushrooms are found, how they are cooked and how they are preserved.

We want to thank Ed and Ella Cantelan, Ernie and Judi Boa, Virginia and Chuck Kessner, John Kunz, Milton Grout, Dennis Krabbenhoft, Margaret Holzbauer, Bob Hanna, and Margaret Dilly for assisting.

Ella's colorful display of wool dyed with fungi as well as the beautiful color photographs of Joy Spurr also drew a lot of attention from the fairgoers.

We want to thank Ernst Incorporated, who arranged with Excalibur Dehydrators for our space at the Fair.

WELCOME TO THE FOLLOWING NEW MEMBERS:

Blair Burroughs: 524-1518; Larry Edwards: 1-755-9467; Marlene Friend: 524-8695; Michael Hicks: 789-6171; George & Patricia Hogaboam: 839-3422; Peter & Beverly Huchala: 632-6341; John & Marion Impola: 367-3136; Claudia L'Heureux: 363-8581; S. Peterson, Tacoma; Bob Pittman & Lia Filson: 362-7794; Gary & Constance Rencehausen: 524-8695; Leslie Rinnan: 633-0644; Harold & Bess Schnarre: 778-0854; Pam Swain: 782-2968.

Oct. 8th - Saturday Only to the Dalles Forest Camp.

Even though this campground is formally closed the Forest Service will open it for us, for day-use only on this Saturday. There will be a potluck supper!

Travel east on State Highway #410. The Dall Dalles Forest Camp is about 25 miles south-east of Enumclaw, on your right.

Oct. 22 & 23 Crystal Springs Forest Camp

Due to the dry conditions on the early field trip to this location, we will go there a second time this year.

Travel east on Interstate 90 over Snoqualmie Pass. 9 miles past the Summit, take the Stampede Pass Exit #62. Turn right at the stop sign, and take the right turn just before the bridge.

Oct. 29 & 30 Millersylvania State Park

Travel south on Interstate 5. About 10 miles south of Olympia, take Exit #95 and go east under the Freeway. Continue for about 3 miles and turn north for another mile.

There is some renovating done in the Park so look for the PSMS sign as to which shelter we will be using.

Nov. 5 & 6 Oak Patch Camp.

From Belfair travel past the Belfair State Park and turn right onto the first blacktop road that goes uphill (on your right). Continue for about 3 miles to a wide gravel road and turn right. There is a large sign at Oakpatch Camp (about 3 miles on this dirt-gravel road).

The Camp is not in operation at this time. It will be made available for this field trip and a small fee will be charged for day-use and overnight camping.

REPORT ON THE FIRST THREE FALL FIELD TRIPS H.R.H.

Ten days before the field trip to Crystal Springs (Sept. 10/11) we had good rains, that all of us anticipated a mushroom paradise for this first field trip of the fall season. Mother nature however, had not included our rainy July in her calculations, and therefore, in her book, only one good rainfall since August, had been recorded. For our novices information, we say that the fall season begins "after the second good rain in August." Believe me, that second rain came down hard on Saturday, Sept. 10, as all attendees can attest. Our finds of edibles consisted of buttons of Leccinum ourantiocum, white and yellow Chanterelles, Sparassis radicata, and three Matsutake found by Nettie Laycock. Brian Luther, assisted by Charles Volz, identified 65 species. Unusual finds included Gymnopolis punctifolius which is olive-green; Geastrum saccatum; Hypomyces luteovirens, yellowish-green on a Russula; and Hygrophorus recurvatus.

Alice and Gilbert Austin were hosts for the trip. Sigrun Budnik provided the firewood from her woodpile from her nearby cabin. 38 members and guests signed the register and 22 stayed for the potluck dinner.

At the Masonic Park (September 17 & 18) 62 signed the register and 34 stayed for the potluck. Grace and Paul Jones were the hosts. Charles Volz, assisted by Joy Spurr identified 51

species. Tylophilus pseudoscaber (the black bolete) and Clitopilus prunulus were the unusual species found. Charlie Volz related that the latter is edible, but that even Dr. Stuntz in over 40 years of collecting had not found enough fruiting bodies at one time to cook a meal. Nobody reported unusual activities from this field trip, except that not many edibles were found.

A preliminary report from Soda Springs (Sept. 24 only) is very positive. We had clear, sunny, warm weather and had to shed our coats by noon. It was good to see so many "old timers" on a field trip again. The newcomers must have been discouraged by the distance (120 miles from our house) and by the 2 high mountain passes that have to be crossed. Collecting of edibles was good. I think everyone found Boletus edulis, some white and yellow Chanterelles, Loctarius deliciosus & sanquifluus, Shaggy Mones, and Matsutake buttons. Suillus lovers had a hayday; they could collect probably a dozen varieties. I am sure there were others which I can't remember.

56 signed the register, and 40 enjoyed the delicious potluck supper. Brian Luther had identified 125 species when we took him home after dinner. His basket contained several unnamed species which he planned to identify in Seattle. Next month we will give a correct count. Grace and Paul Jones were the hosts. Joy Spurr assisted in the identification and hosting.

MUSHROOM SHOWS IN THE NORTHWEST

October 8 & 9 Forks, Washington. A new mycological group has been formed on the Olympic Peninsula, and it will hold its first Show. If you are interested in participating, call Brian Luther at 632-6064

October 9 Snohomish County Mycological Society in Everett holds its annual Show.

October 16 Kitsap Peninsula Society holds its Show the same weekend as PSMS

October 22 & 23 Jefferson County Mycol. Society holds its Exhibit in Chimocum. They collect on Saturday and hold the Show on Sunday. There is camping space in a nearby park. For more information contact Brian Luther.

MISCELLANY

If some of our members don't plan to keep the pictures from their 1983 colendars (the one put together by Orson Miller) please let Judi Baa know about it, since she has had requests from members who did not get a new calendar.

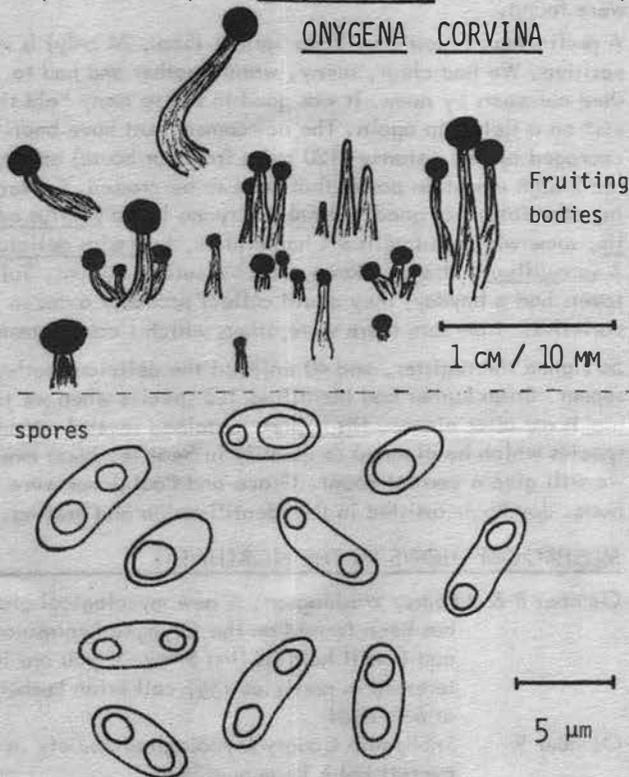
The best success with a shiitake log was reported by one of our members who has kept his log in his bath tub since last October. He has enjoyed three abundant fruitings and has the photos to prove it. I should add, he is a bachelor and therefore only has to share his bathtub with his shiitake log.

At press time Fay Melsen was home from the hospital (after a long stay) but she still needs all of our good wishes and prayers.

PSMS members Fran & Lee Lancaster are presently serving in the Peace Corps in the West Indies. They report (written in August) that they are helping small businesses in St. Lucia develop exportable products. They would welcome ideas for making a "perfect" mushroom basket. Mushroom wise, they found Inky Caps growing in their lettuce bed, and other little mushrooms which they natives called "cow poop". St. Lucians don't gather mushrooms because they believe there are evil spirits in the forests that do the unwary hiker much harm.

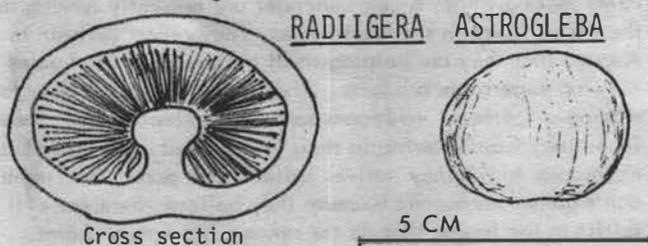
NOTES ON RARE AND INTERESTING FUNGI-Brian S. Luther

Two rare and interesting species of fungi were recently collected. The first was found during the Crystal Springs field trip (Sept. 10) by Nettie Laycock and Reynaldine Sandahl and brought in for me to identify. I recognized it as the rare keratinophilous ascomycete Onygena corvina. This (and a couple



of closely related species) grows only on decomposing animal matter very high in keratin (a fibrous protein), such as horns, antlers, hoofs, claws, fur, feathers and hide. The exact identity of the substrate of this collection is unclear to me, but it appeared to be semi-cartilaginous and perhaps the outer portion of a decomposing antler. It has the very strong and distinctive odor of decomposing animal protein. I wrote a complete description of the fungus for my own records, but will just highlight a few characters here. The ascocarp (fruiting body) of this fungus is a curious type called a mazaedium (mazaedia pl.) and has a cream-colored stipe which bears a brown globose fertile head. The stipes were 3-10 mm long and 0.5-2mm in diameter and the globose heads were 1-2.5 mm in diameter. The asci (microscopic cells containing the ascospores) are randomly formed inside of the head. At maturity the asci burst and fill the inside of the head with spores. Under the microscope the mature asci are globose or pear-shaped, thin-walled, and for the most part already ruptured, having released the spores. The spores were 4-7.5 x 2.5-3.5 μm, ellipsoid, hyaline and with one or two oil drops (guttulae). I have included drawings of the fresh fruiting bodies and of spores as they appeared under the microscope.

The other interesting collection was brought into the member-



ship meeting on Sept. 12. At first it looked like a typical Scleroderma with a thick peridial wall in cross-section. But with a little closer look it became abundantly clear that it was actually Radiigera astrogleba a rarely collected member of the class Gasteromycetes (Puffballs and their allies). This species is peculiar because of its sterile columella which is spherical in shape and which gives rise to radiating plates of glebal tissue which will form a black powdery mass of spores at maturity. Both of the specimens given to me were immature and did not have mature spores. But when mature, the spores would be 5-7 μm in diameter, globose, ornamented and dark colored.

BOOK REVIEW

Jennie Schmitt

A FIELD GUIDE TO WESTERN MUSHROOMS by A.H. Smith 280 p., 201 colored illustrations. Published by the University of Michigan Press (1975) Ann Arbor, MI. \$16.95

The major portion of the text consists of descriptions of 201 species each with its colored illustration. The illustrations turned out well, and will be of great assistance to mycologists in the western coastal areas. All the major groups of fleshy Basidiomycetes are represented, with emphasis on agarics. Sixteen Ascomycetes are also described. Keys are given to all toxo, including species, where there are two or more of them in a genus. The inclusion in the descriptions of microscopic features makes the book useful to the professional mycologist and to the amateur who has access to a microscope.

This book is a companion volume to Dr. Smith's well known and universally used "Mushroom Hunter's Field Guide". It is done in the same format, except that the illustrations are in color and arranged with the descriptive material. Most of the species included are not found in any other mushroom guide and a good number of them are native to the Pacific coastal area. Many have not been illustrated before in a publication readily available to the general public. Thus, the book is particularly appealing to the west coast mushroom hunter. P.S. See Judi Boa for a copy.

BOOKS ON SALE

Judi Boa

I have located a local supplier for most of the books PSMS has for sale for its members. We are now saving the postage we had to pay in the past, and therefore, I have repriced all books, and most of them are available at a larger discount to our members than before.

However, the discount is only available at our membership meetings. During the coming Exhibit all books will be sold to everybody at retail plus sales tax. Therefore, I urge our members to buy their books at the October membership meeting. It is not too early to plan for Christmas. Also keep in mind that books make nice birthday presents.

In addition, I will be taking orders for special books, because usually, if we place an order for 5 or more, we can get a discount from list. At the present time we have insufficient orders for "Pilze die an Holz wachsen" by Herman Jahn (reviewed by Brian Luther in the September issue of Spore Prints) and the English translation of Meinhard Moser's Kleine Kryptogammenflora, Vol. 11B/2. Call me (725-1235) if you want to order these books.

Also I suspect that we will soon hear about the 1984 edition of the mushroom calendar by Orson Miller. Let me know if you want one, so I know how many to order.