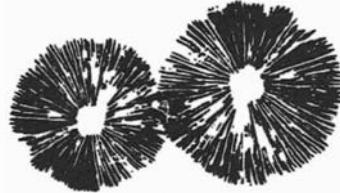


SPORE PRINTS

BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY
Number 304 September 1994



31ST ANNUAL EXHIBIT

Our 31st annual Mushroom Exhibit is just a month and a half away. Your assistance will make this show a success. October 22nd and 23rd are the dates to save.

Working on the exhibit is a great way for all members to participate in PSMS. It's festive and educational. You'll meet interesting people, taste great food, and have a lot of fun. And it's gratifying to see the interested faces of the visitors as they study the displays. Besides that you'll be doing an important service for the community by providing an intensive educational program. Everyone's help is needed. Even if this is your first show, there are good jobs for you. And you will enjoy them!



Joanne Young

Congratulations and many, many thanks to Marilyn Droege for designing, illustrating, and producing a beautiful and intriguing poster for our exhibit. Come to the September meeting for the official unveiling.

Good poster distribution is absolutely the most important publicity we have. The posters will be available at the September meeting. Plan to take as many as you can find good sites for. Professional poster distributors have told me that we've always done a great job with our distribution. Lets keep up the good work. New members, I can't tell you how important this is to the success of our show. If you are unable to attend the meeting, call me at 633-0752 and I'll see that you get some posters.

Below is a list of show committees and their dedicated chair people. At the September membership meeting, you'll have a chance to meet them, get an overview of the show, and tips on collecting good mushroom specimens. You can sign up for a job at the meeting or call the committee head and sign up immediately by phone! The more committees you work on, the more fun you'll have.

I have a few special requests. Several of the committees need leaders. Please don't delay. Two committees are new: lichens and habitat displays. Those of you who attended NAMA will remember the excellent habitat displays and the popularity of the lichen classes. If you would like to develop either of these educational displays, please call me right away. We are also looking for someone with video experience to make a video record of the exhibit.

Thank you all for your help and enthusiasm!

Committee	Chair	Phone
Exhibit Chair	Joanne Young	633-0752
Assistant Chair	Kathleen Otwell	820-5479
Arts & Crafts	Elsie Burkman	282-6723
Black Light	Denny Bowman	525-8399
Book Sales	Beth Schrarre	778-0854
Cooking, Tasting, & Preservation	Colleen Holsapple & Lynn Phillips	454-2787 524-2950

Brochure	Elizabeth Halfacre	524-1664
Clean-Up	Lynn Phillips	524-2950
Commercial Display		
Conservation	Ron Post	684-1143
Construction	Kathleen Otwell	820-5479
Cultivation	Greg Chew	721-3867
Decorations	Kathleen Otwell	820-5479
Feel & Smell	Dennis Krabbenhoft	874-2382
Freeze Dry	Dennis Krabbenhoft	874-2382
Habitat Display	*designer needed*	
Hospitality	Lori Knox	789-8156
ID Table	Brian Luther	552-1051
Labels Database	John Kunz	362-7402
Labeling	Larry Baxter	652-2482
Lichen Display	Katie Glew	725-0433
Membership	Bernice Velategui	232-0845
Microscopy	*chairperson needed*	
Moss Collection	Gilbert Austin	888-2606
Mushroom Collecting	Russ Kurtz	784-3382
Other Uses of Fungi		
Poster	Marilyn Droege	634-0394
Publicity	Patrice Benson & Denny Bowman	722-0691 525-8399
Receiving	Coleman Leuthy	322-2554
Parking & Security	Don Schultz	226-2217
Signage	Marilyn Droege	634-0394
Slide Show	Joy Spurr	392-6768
T-Shirt Sales	*chairperson needed*	
Ticket Sales & Greeters	Lorraine Dod	644-0826
Tray Arrangement	Marian Maxwell	235-8557
Tray Placement	*chairperson needed*	
Tray Tours	Marshall Palmer	527-6207
Video Recording	*chairperson needed*	

AMANITA VERA POISONING

MOBILE, Ala. (AP) — A 3-year-old girl and five other people became ill after eating poisonous wild mushrooms that the girl's grandparents had picked near their Mississippi home. Of the six, all but one were members of Joe and Frances Cameron's family. They became ill after eating the mushrooms on Sunday night.

The 3-year-old girl suffered liver damage and was listed in critical condition Friday [May 13, 1994] at University Hospital in Birmingham, where she was being evaluated for a transplant. The fiancé of the girl's mother also remained hospitalized Friday, as did a 9-year-old girl. The mothers of the girls had been released.

The Camerons, who were among those sickened, said they have been picking wild mushrooms for years without problems. "The mushrooms looked just like any others, and they tasted the same," Mrs. Cameron said from her bed at the University of South Alabama Medical Center in Mobile. Dr. Barbara O'Brien said the Camerons mistook the deadly mushrooms for the safe, edible *Agaricus campestris*.

Spore Prints

is published monthly, September through June by the
PUGET SOUND MYCOLOGICAL SOCIETY
Center for Urban Horticulture, Mail Stop GF-15
University of Washington, Seattle, Washington 98195
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SCI. ADVISOR:	Dr. Joseph F. Ammirati
EDITOR:	Agnes A. Sieger, 15555 14th Ave. N.E. Seattle, WA 98155

CALENDAR

Sept. 13	Membership meeting, 7:30 p.m., CUH
Sept. 14	Schmok Foray registration deadline
Sept. 19	Board meeting, 7:30 p.m., CUH
Sept. 23	<i>Spore Prints</i> deadline
Sept. 24	Crystal Springs field trip
Sept. 30-Oct. 2	American River field trip
Oct. 3	Basic ID class, 7:00 p.m., CUH
Oct. 4	Intermediate ID class, 7:00 p.m., CUH
Oct. 7-10	Schmok Foray

BOARD NEWS

Agnes Sieger

Following dinner and potluck at Patrice Benson's, the PSMS Board sat down to business after the summer recess. The main items on the agenda were the Annual Exhibit coming up in October, new insurance coverage, and ways we might raise some money for the President's discretionary fund. Joanne Young and Marilyn Droege passed around the new exhibit poster. Marsi DiGiovanni and Lorraine Dod explained our new insurance policy and arranged to take an inventory. Frances Ikeda offered suggestions for a raffle at the exhibit, the general meetings, or both.

TREE ID WORKSHOP

Marshall Palmer

On June 22, Coleman Leuthy led 17 of us on an athletic tour of the UW Arboretum, sharing his expertise on the native trees of Washington while we provided dinner for several thousand mosquitoes. Coleman helped us work through identification (to genus) of some native conifers and as an added bonus gave us pointers in identifying the few desiccated mushrooms we came across. Thanks Coleman!

MEMBERSHIP MEETING

Tuesday, September 13, 1994, at 7:30 p.m., in the Center for Urban Horticulture, 3501 N.E. 41st Street, Seattle

To get your juices flowing for the exhibit, Seattle chef Charmaine Eads will tickle your taste buds with new and exciting culinary mushroom manipulations. Chef Eads, who is with Kazzy and Associates (our own Kathy Casey's company), just returned from a summer spent cooking with Patrick Clark, a Master Chef at the Hay-Adams Hotel across the street from the White House. Chef Eads cooked for the private dining room which provided repasts for Bill, Hillary, etc. Her tastings will be a prelude to our poster distribution, so start thinking about where to hang those posters!

Would people whose last names begin with the letters A-D please bring a plate of refreshments for the social hour?

IS IT FUNGUS OR TURTLE ESSENCE?

BEIJING, Aug. 25 (Reuter) — The coach of the "Ma Family Army" is embroiled in a court case about which medicinal tonic can claim credit for his runners' stunning victories—caterpillar fungus or essence of soft-shelled turtle. Two companies, each claiming that their's is the team's official tonic, are involved in China's first case of alleged copyright infringement in a TV ad.

PRESIDENT'S MESSAGE

Patrice Benson

Hear ye! Hear ye! Calling all mushroom enthusiasts! Our 31st annual Wild Mushroom Show will be held October 22 and 23, 1994, at CUH. We need the help of each member to make this a success. Our coffers can be restored if we each make the effort to publicize this event by talking it up, hanging a poster, putting our bodies to work collecting, constructing, or cooking for the workers, and offering our time for our society. Sign up at the September meeting or call Exhibit Chair Joanne Young (633-0752). Please phone me, the Publicity Co-Chair, at 722-0691 with any addresses or numbers to call to help publicize this event. Please come to the September meeting to get a few posters to hang in well-traveled or well-read spots. The poster was designed and printed by Marilyn Droege. Thank you, Marilyn, for all of your dedication to this project.

I would like to thank the new field trip chairs (Mari-Claire Rucell, Wayne Elston, and Patrice Stierlen) for enthusiastically stepping forward to plan our fun-filled field trips! Phone Mari-Claire (463-6772) to volunteer to host one of the listed trips or to offer advice on further locations for this fall's forays.

Our society has the need for a dedicated (notice that experience is not a requirement) Librarian/Historian. The past volunteers, most recently Bill Bridges, have left the library in perfect order, so the volunteer starts out with a great deal. We just need help on an ongoing basis to keep everything up to date and shipshape. Our resources include books, microscopes, videotapes, and slides, so the job is diverse. Please phone me at 722-0691 or see me at the membership meeting. Also, the board would like to find a member with grant-writing or fund-raising experience to help with a project it has in mind. Please phone the above number to help.

A volunteer is also needed to chair the March 1995 Survivors' Banquet. See or phone Patrice (722-0691).

And please *everyone* do your own private rain dance so we have miles of mushrooms at our show. See you in September!

MUSHROOM ID CLASSES

Marshall Palmer

A Basic Mushroom ID Class will be held on six consecutive Monday evenings, 7-9 p.m., at the Center for Urban Horticulture (CUH). The dates are October 3 through November 7. This class will introduce participants to the identification of gilled and nongilled fungi and will include information on the ecology of fungi, collecting and cooking edible mushrooms, and recognizing toxic look-alikes.

An Intermediate Mushroom ID Class is scheduled for six sessions, 7-9 p.m., at CUH, on the following dates: Oct. 4, Oct. 12, Oct. 18, Oct. 25, Nov. 1, and Nov. 8. This course will focus on identification (to species) of common genera in our area and is well suited for graduates of the spring Basic ID class. A knowledge of basic fungi morphology and some familiarity with dichotomous keys is required.

Mushrooms Demystified, 2nd edition, by David Arora will be the text for both classes. Some copies will be available for purchase at the first sessions.

Because of demand for spaces, please decide which class is best suited to your needs and register for only one, Basic or Intermediate. (We expect to offer both classes again next year.) Each class will be limited to the first 25 registrants.

To register for either class, enclose

- (1) a check for \$20, payable to PSMS
- (2) a self-addressed, stamped envelope
- (3) a note indicating which class you are registering for

and send to

Marshall Palmer
PO Box 95677
Seattle, WA 98145

You will receive confirmation of your registration and further information after September 19. If you have questions, call me at 527-6207 after September 19.

AMERICAN RIVER FIELD TRIP

Larry Baxter

The Memorial Day field trip at American River was a big success for edible fungi hunters. There were even some interesting mushrooms for the identifier, yours truly. Irwin and Millie Kleinman, Mary Lynch, and the Schnarres led several small groups of people out both Saturday and Sunday. Almost everybody that I saw had nice collections of both morels and *Boletus edulis*. Thirty-two people/families signed in. We had superb potlucks both Saturday and Sunday nights.

For those who stayed over through Sunday night, Mark Schnarre and girlfriend Jackie led a group out to call for owls. We were all impressed when Mark got several responses from none other than a Northern Spotted Owl.

Some of the more interesting mushrooms to come in were several collections of *Cortinarius bigelowii*, *Lentinus lepideus*, *Calvatia sculpta*, and *Hydnus rimosum*.

*A nasty Lepideous
In a mood to be hideous
Flipped a train off the track
Flat on its back
Without ruffling a single basidius.*

—Harley Barnhart

PSMS FIELD TRIPS

Mari-Claire Ruell

A reminder to newcomers: The meeting time is 9 a.m. at the chosen site. There will be experienced folks to check in and help neophyte mushroomers. Bring a basket, knife, compass, water and lunch, a whistle, and warm clothes. Include rain gear in your car or pack and wear hiking shoes or boots. Bring your friends and family.

Identification is from noon to 4 p.m. Potluck is at 4 p.m. (bring a dish for six or more, bread, or drink to share). Hosts are needed for all the field trips. It's great if more than one host volunteers, because then everybody gets to collect. Please call Mari-Claire at 463-6772 to volunteer to help or request information. (*Note to those interested in forays mid-week:* Please meet in the back of the meeting hall after the meeting to get together with like-minded members.)

A list of upcoming field trips follows.

September 24

Crystal Springs Campground

(elev. 2400 ft, 60 miles east of Seattle)

Drive east on I-90 over Snoqualmie Pass. Continue east 9 miles past the summit. Take Stampede Pass Exit #62. Turn right at the stop sign, continue 1/4 mile, and turn right into the campground, before the bridge.

September 30

American River Lodge

(elev. 2800 ft, 110 miles southeast of Seattle)

From Enumclaw, southeast of Seattle, go east on Hwy 410 over Chinook Pass; 17 miles past the summit, turn right onto Bumping Lake Road #174. Turn right after 1/4 mile and right again to go uphill and through the gate. Continue for about 1/2 mile to the lodge. Plan on camping overnight in your tent or trailer (the road is steep). The lodge is primitive but is good shelter for the potluck or in case of bad weather.

October 7-10

Schmok Foray, British Columbia

The Vancouver and South Vancouver Island Mycological Societies have invited PSMS to join their 3-day foray at the Blue Lake Resort, Boston Bar, British Columbia. Boston Bar is in the Fraser Canyon, about 2½ hours from Vancouver. Accommodations and meals from Friday evening through Monday lunchtime cost \$115 U.S. for rooms in the lodge with bedding or \$102 U.S. for cabins without bedding; \$10 will be refunded to people who can't make the Friday evening meal. Register with Hannah Nadel, 7028 Brywood Court RR2, Brentwood Bay, B.C. V8M 1G1. For more information, phone her at (604) 544-1386, or call Dick Sieger at 362-6860 in Seattle. Note: You must register by September 14th.

MAKE MY PASTA WITHOUT MUSHROOMS, PLEASE

Ottawa, 8/25/94 (Reuter) — The recipe for Chanterelle Lemon Pasta called for one cup of chanterelle mushrooms, but the photo in the food section of Ottawa's largest daily newspaper was of the deadly Destroying Angel.

"Wild Aura: Mushrooms add exotic taste to a meal," read the caption beneath the photo of the poisonous mushrooms featured in the Wednesday edition of the *Ottawa Citizen*.

On Thursday the newspaper's red-faced editors ran a correction, saying it had mixed up the photo of the poisonous fungus with that of the safe and much tastier chanterelle.

BONDARZEWIA WANTED

Dick Sieger

Bondarzewia is a genus of three ground-dwelling species that look very much like polypores. The fruiting bodies grow from roots near base of living trees and have stalks that support one to several caps. The mushrooms are substantial, fleshy, tough, and bitter. The layer of pores on the underside of the caps is thin and, unlike bolete pores, can't be peeled off by hand. We have two species in the Northwest: *B. berkeleyi*, which favors deciduous trees, and *B. mesenterica* (a.k.a. *B. montana*), which grows under conifers. Both species are destructive parasites that cause white butt rot.

Although *Bondarzewia* species look much like polypores, they have a much closer affinity with two familiar genera, *Lactarius* and *Russula*. All three genera have spores with ornamented surfaces that become blue in Melzer's reagent (an iodine solution). All have flesh with distinctive round cells. Redhead and Norvell report that, like *Lactarius*, *Bondarzewia* has cells containing latex which oozes from slashes in fresh fruiting bodies. They suggest that the evolution of Russulales and the evolution of the other gilled mushrooms may have followed different paths.

Samples of your *Bondarzewia* finds may be delivered to Dr. Ammirati, who is studying their relationship with forests. Take a pie-slice wedge from a cap and let the rest of the fruiting body live. Enclose a slip with your name, phone number, collection site, and date. They go to room 407 in Hitchcock Hall on the corner of 15th N.E. and N.E. Pacific Street. Dick Sieger, 362-6860, can arrange to deliver them for you. If you find ground-dwelling polypores such as *Albatrellus*, take an entire fruiting body to Dr. Ammirati.

MYCOLOGISTS MEET WITH USFS

Dick Sieger

As a result of President Clinton's Forest Conference in Portland in 1993, a supplemental environmental impact statement was produced that includes fungi as part of managing spotted owl habitat in the Pacific Northwest. This is the first time fungi have been

mentioned in any conservation document pertaining to public lands. But with no precedent, how does the government go about studying fungi?

On July 6 and 7, 1994, an impressive panel of some 40 people—mycologists, hobbyists, attorneys, and representatives from the Bureau of Land Management and the U.S. Forest Service—came from as far as Ottawa and Washington, D.C., to formulate a protocol for studying mushrooms in Northwest forests. Dr. Michael A. Castellano, a USFS mycologist, led the meeting, which was held at Oregon State University in Corvallis, Oregon. I represented PSMS.

The panel's task was intense (just what, for instance, is the definition of a rare fungus?), but after two packed days we came up with the following proposals: Land managers must work with mycologists to set goals and priorities. Mycologists and specially trained staff should direct the identification and survey efforts. Training manuals should be written for field workers. Fungi should be included in all biodiversity assessments of forests. There is a pressing need for a database of the fungi preserved in the nation's herbaria. Mycologists must be included on interdisciplinary teams. (A rare fungus is defined as a species known from not more than 10 vouchered collections or sightings within an extant, one-square kilometer site.)

The panel left Corvallis hoping that now, when North American forests are managed, the welfare of mushrooms will assume an importance formerly held only by attractive flora and "charismatic macrofauna."

MISCELLANEOUS NOTES

Sick Call: Dr. Amelia Schultz's recovery from cataract surgery in June is so good that she is once again driving.

Thanks: Maggie Rogers donated a copy of PSMS's *Of Told Mushroom Recipes* to our library. It had never been included!

Cultivation Classes: Western Biological is having another workshop. Approx. \$270. Call (604) 856-3339 for details.

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