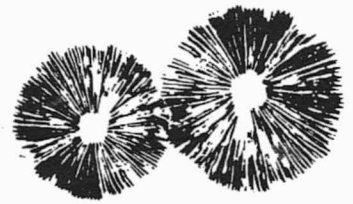


SPORE PRINTS



BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY
Number 334 September 1997

PSMS EXHIBIT

Charles Pregaldin

Though summer has only lately arrived in Seattle, judging by weather alone, by the calendar autumn is almost here. To fungomaniacs, autumn means two things: mushroom season and the PSMS Annual Exhibit. This year's exhibit will be October 18 and 19 at the Center for Urban Horticulture.

The show, which is not only the biggest event of the society's year but is also the largest wild mushroom exhibit in North America, provides a unique opportunity for both the dedicated mycophile and the occasional pot hunter to find in one place hundreds of mushroom species, far more than a single individual could expect to encounter in many seasons of hunting—all of them identified and carefully displayed and labeled. There's no better way to increase your knowledge of the Kingdom Fungi.

It also gives members an opportunity contribute to the club's activities, to meet other members, and to explore new areas of interest, such as cultivation or cooking. The show would not be possible without the efforts of the many society members who do the hundreds of tasks necessary to produce an event of this magnitude, and most would agree that they have a good time at it. Volunteers are needed for all areas, and volunteering need not entail a large commitment of time or effort. Many people can spare only a few hours, or even one hour.

The September membership meeting (September 9) will be your opportunity to sign up for whatever committee(s) you'd like to help out with. But if you can't make the meeting, don't despair: the committee chairs (see the list below) will be happy to hear from you by phone, letter, fax, e-mail, telegram, messenger, smoke signals, jungle drums, mental telepathy, or any other means of communication available to you. If you'd like to fill one of the vacant committee chairs, let me know.

Exhibit Chair	Charles Pregaldin	524-9997
Arts & Crafts	Cindy Kerr	640-6900
Black Light		
Book Sales	Ron Post	634-2175
Brochure	Agnes Sieger	362-6860
Clean-up	Lynn Phillips	524-2950
Construction	Robert English	361-0637
Cooking	Patrice Benson	722-0691
Cultivation	Ed Foy	328-0684
Decoration		
Feel & Smell	Dennis Krabbenhoft	874-2382
Habitat Display		
Hospitality		
Identification	Brian Luther	522-1051
Labelling		
Membership	Bernice Velategui	232-0845
Microscopy	Brandon Matheny	722-8458
Moss Collection		
Mushroom Collection	Russ Kurtz	784-3382
Poster Design	Marilyn Droege	634-0394
Publicity	DV Corey	362-6592
Receiving	Coleman Leuthy	322-2554
Parking/Security		
Signs	Marilyn Droege	634-0394

Slide Show	Joy Spurr	392-6768
T-Shirt Design	Marilyn Droege	634-0394
Ticket Sales	Lorraine Dod	644-0826
Tray Arrangement	Marian Maxwell	235-8557
Tray Transport	Coleman Leuthy	322-2554
Tray Tours		



CAN LICHENS DATE EARTHQUAKES? Mercer Cross National Geographic For AP Special Features

KAIKOURA, New Zealand—Like tree rings, lowly lichens growing on rocks jarred loose by earthquakes can give clues to the chronology of past catastrophes and may help scientists better estimate the timing of future ones.

Since 1989 an American geologist, William B. Bull of the University of Arizona, has measured some 33,000 lichens called yellow rhizocarpons on rocks that have tumbled down mountain slopes after earthquakes in New Zealand's South Island.

Using calipers to make precise measurements of the slow-growing, flat plants, Bull has found a direct correlation between the size of the lichens and the dates of earthquakes: the larger the lichens, the older the quake. Regular intervals between past earthquakes can be used to sharpen projections for future devastation.

"This new method appears to have amazing accuracy," Bull says—plus or minus 10 years or better. The conventional method of determining the age of ancient earthquakes—radiocarbon dating of charred wood found in the region—is only accurate within 40 years.

"This method could potentially date earthquakes or rockfalls or other types of mass movement," says Gerald F. Wiczorek of the U.S. Geological Survey. "It's very important to have corroborative evidence. It's going to have to be meticulously documented each step along the way. It may be a while before it's widely accepted."

Other geologists are skeptical of lichenometry. "There is a general feeling that Bill is reading too much into it, somehow," says seismologist Euan Smith, group manager of earthquake research at the Institute of Geological and Nuclear Sciences in Wellington. Maurice J. McSaveroy, a geomorphologist with the Wellington institute, says, "The thing that a lot of us are skeptical about in Bill's research is that the results seem to be too good. They work too successfully in giving very, very precise results."

With U.S. National Science Foundation financing, Bull's associates in New Zealand have just started cross-checking the lichen-dating method by comparing it with the growth patterns of tree rings in forests that existed on the Alpine fault during prehistoric earthquakes. But measuring tree rings is "not without its problems," McSaveroy says, because in a good year some trees produce two rings, not one. "You can rely on results when they cross-check. Eventually someone will verify them—or otherwise."

Spore Prints

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PUGET SOUND MYCOLOGICAL SOCIETY

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Annual dues \$20; full-time students \$15

CALENDAR

- Sep. 9 Membership meeting, 7:30 PM, CUH
- Sep. 12 Crystal Springs field trip
- Sep. 15 Board meeting, 7:30 PM, CUH Board Room
- Sep. 20 Squire Creek field trip
- Sep. 26 *Spore Prints* deadline
- Sep. 27-28 American River field trip
- Sep. 30 Basic ID class, 7:00-9:00 PM, CUH (preregistration required)
- Oct. 1 Intermediate class, 7:00-9:00 PM, CUH (preregistration required)
- Oct. 7 Basic ID class, 7:00-9:00 PM, CUH (preregistration required)
- Oct. 8 Intermediate class, 7:00-9:00 PM, CUH (preregistration required)
- Oct. 11 Twanoh State park field trip
- Oct. 14 Membership meeting, 7:30 PM, CUH
- Oct. 18-19 Annual Exhibit, CUH

BOARD NEWS

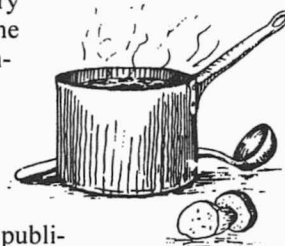
Agnes Sieger

PSMS insurance will be switched from Ohio Casualty to American State. Irwin Kleinman has used some of PSMS reserves to purchase a Treasury Bill for the Society. The 1998 Exhibit will be the weekend of October 10. (This year's is October 18-19.) Field Trip Chair Mike Lovelady needs field trip hosts. Marilyn Droege showed sketches of posters for the fall exhibit and was authorized to proceed with production and printing. Dan Cory proposed expanding the voice mail system, and the board agreed to an indefinite trial. Corey will submit a mail box tree to members for their review over the summer.

MEMBERSHIP MEETING

Tuesday September 9, at 7:30 PM at the Center for Urban Horticulture, 3501 NE 41st Street, Seattle

We are in for a culinary treat! Jerry Traunfeld, award-winning chef of the famous Herbfarm restaurant, will tantalize us at the September meeting with a couple of new mushroom dishes (something everyone wants) created in his own inimitable style. Chef Traunfeld has been a featured chef in nearly every major culinary publication and was nominated for the James Beard Award as "Best American Chef" this year. *Simply Seafood Magazine* named him "Seafood Chef of the Year."



Ordinarily, Chef Traunfeld would be creating nine course dinners on a night like this. But as The Herbfarm rebuilds from a fire which destroyed the restaurant in January 1997, Chef Traunfeld was able to come and demonstrate his culinary mastery for us. We are delighted to welcome him! This is a rare and probably unrepeatable opportunity, so be sure not to miss it!

Along with Chef Traunfeld's culinary creations, we'll see this year's Annual Mushroom Exhibit poster, hear about new plans for the show, and sign up for the different committees. Bring your taste buds and your calendar!



If your last name begins with the letters M-R, please bring a plate of refreshments for the social hour.

MUSHROOM ID CLASSES

Brandon Matheny

Basic Mushroom ID Class

A Basic Mushroom ID Class will be held this fall at the Center for Urban Horticulture (CUH) in the Isaacson Classroom. Please carefully note the following dates of the six sessions: *Tues. 9/30, Tues. 10/7, Tues. 10/21* (skipping 10/14), *Tues. 10/28, Tues. 11/4, Wed. 11/12* (skipping 11/11). All sessions occur at 7-9 PM in the evening. This class will introduce participants to the macro-morphological features of gilled and nongilled fungi and will include information on the ecology of fungi, collecting and cooking edible mushrooms, and recognizing toxic look-alikes. Participation in the PSMS weekend field trips is strongly recommended. Check the calendar for dates.

Mushrooms Demystified, 2nd Ed., by David Arora is the required text. *The New Savory Wild Mushroom* by McKenny/Stuntz/Ammirati is highly recommended. Both books can be purchased at the September program with a discount if you are a PSMS member, at commercial bookstores, or at the first class session.

Cost of the class is \$30. Size is limited to 24 participants. For registration see details below.

Intermediate ID Class

An Intermediate ID Class is scheduled for six sessions, 7-9 PM, at CUH in the Isaacson Classroom on consecutive Wednesdays from October 1 through November 5. This class will emphasize analysis of macro- and micromorphological features to aid in determination of taxa. Class routine will consist of a lecture for the first hour and lab work in the second hour. Microscope slides, cover slips, and reagents required for determination of specimens will be provided.

Required texts include *How to Identify Mushrooms to Genus VI: Modern Genera* by Largent and Baroni and *How to Identify Mushrooms to Genus III: Microscopic Features* by Largent/Johnson/Watling. Both texts can be purchased at the September program or at the first class session. A few copies are available through the PSMS library.

This class costs \$35 and is limited to 15 participants.

Because of the demand for spaces, please decide which class is best suited to your needs and register for only one—Basic or Intermediate.

To register, please enclose

1. a check for \$30 (Basic) or \$35 (Intermediate), payable to PSMS
2. a self-addressed, stamped envelope
3. a note indicating which class you are registering for

and mail to:

Brandon Matheny
3214 S. Byron St.
Seattle, WA 98144

You will receive confirmation of your registration. If you have any questions, feel free to call me at 722-8458.

UPCOMING FIELD TRIPS

Mike Lovelady

General Instruction: Unless stated otherwise, the meeting time at field trips is 9:00 AM at the chosen site. Please bring a basket, knife, wax paper, compass, whistle, water, lunch, and a dish to share if you wish to join the potluck. Wear warm clothes. Include rain gear in your car or pack and wear hiking shoes or boots. Feel free to bring your friends, family, and sociable dogs.



From 9:00 to 9:30 or 10:00 AM, we check in, have munchies, and talk about the mushrooms we'll be searching for and the area around the camp site. We then head out to hunt in small groups. Identification is from noon to 4 PM. Potluck time is between 4 and 6 PM, decided on by the participants in the morning. The potlucks are always delicious, a lot of fun, and a great time to catch up on socializing. We highly recommend them!

The 2-day field trips can be attended one or both days. Meeting time is 9:00 each morning, with a potluck breakfast on Sunday for interested parties.

September 13 **Crystal Springs Forest Camp** (elev. 2400 ft, 60 miles east of Seattle)

Drive east on I-90 over Snoqualmie Pass. Continue east for 8 miles and take Stampede Pass exit #62. Turn right at the stop sign. After ¼ mile, before the bridge, turn right to enter the camp.

September 20 **Squire Creek County Park** (elev. 350 ft, 65 miles NE of Seattle)

Drive north on I-5 to the Island Crossing exit, #208. Turn right on Route 530, go east through Arlington, and continue toward Darrington. Thirty miles from the freeway, there is a big sign for the park, which is on the left. Meet at the top shelter. There is a charge of \$2/car for day use (camping is optional at \$10/night).



September 27

American River Lodge
(elev. 300 ft, 130 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. A donation of \$10 for overnight use or \$5 for day use will be appreciated. Hosts are Irwin & Millie Kleinman.

October 4

Lake Wenatchee State Park
(elev. 1800 ft., 95 miles east of Seattle)

North of Seattle, go east on State Highway 2 over Stevens Pass. (Note: Highway 2 over the pass is undergoing major construction.) Twenty miles east of the summit, turn left on Route 207. Look for the PSMS signs.

October 11

Twanoh State Park
(elev. near sea level, 20 miles SW of Seattle by ferry)

Twanoh State Park is on the south side of Hood Canal between Belfair and Union. Take the downtown ferry from Seattle to Bremerton. From Bremerton, drive south on State Highway 304 to Highway 3. Continue south on Highway 3 past Belfair, then bear right onto Highway 106 and continue another 7 miles to the park. Alternately, you can drive south on I-5 to Tacoma and cross the Narrows Bridge. This adds 60 miles to the trip.

October 25 **Deception Pass State Park** (elev. near sea level, 80 miles north of Seattle)

From I-5, take exit #226 and go west on route 536 (becomes 20). Turn south, away from Anacortes and toward Whidbey Island. Cross the bridge at Deception Pass to the park and follow PSMS signs to one of the two group camps.

AMERICAN RIVER FORAY Russ Kurtz

Approximately 25 members assembled at the American River Lodge on May 31–June 1, 1997. Harold Schnarre, Millie and Irwin Kleinman, and Mike Lovelady were the gracious hosts. Mike repaired the threshold of the lodge. Twenty-two fungi were identified by Harold Schnarre, Irwin Kleinman, and Russ Kurtz

The potluck was great as usual. Most everyone found some edibles, either morels or *Boletus edulis*. There was not a great abundance of either. A great weekend—beautiful wild flowers and beautiful scenery.

A big thanks to Mike Lovelady for carrying all of the equipment for the weekend in his truck.

SWAUK PASS FIELD TRIP

Sara Clark

We had a good turnout at Swauk Creek May 24–25, and a great potluck was enjoyed by the eight hardy survivors of the drizzle/sunshine mix. We identified 25 species of fungi. Morels were found in the campground, though not very many in the surrounding areas. We're hopeful that the rains will bring another flush of morels. Brandon Matheny brought in the first two *Boletus edulis* of the season, one of which went into the potluck.



