

SPORE PRINTS

BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY
200 Second Avenue North, Seattle, Washington, 98109
October 1977

Number 135



NOW IS THE TIME FOR ALL GOOD PSMS MEMBERS TO COME TO THE AID OF THEIR SOCIETY W. Hufford

The 14th Annual Exhibit is approaching rapidly. Below we are printing the various committees and their chairmen so that all who have not yet volunteered to help can select one. The chairmen know what has to be done. The other committee members don't have to bring special talents, just a willingness to help our Society stage the best ever Exhibit.

For changes in this year's Exhibit read the Board News in this issue. Remember, you must have proof of membership to gain free admittance to the exhibit and purchase books at a discount.

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Book Sales	Helen Wasson	243-6173
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CALENDAR OF MUSHROOM EXHIBITS - FALL 1977

Oct. 9th, 1977 Kitsap Peninsula Mycological Society
Bremerton

Oct. 9th, 1977 Oregon Mycological Society, Portland,
Coliseum, 12 - 6 pm.

Oct. 15 & 16th, 1977 Puget Sound Mycological Society
Seattle, Pacific Science Center
Saturday, Noon - 8 pm
Sunday, 10 am - 6 pm.

Oct. 15 & 16, 1977 Central Washington Mycological Society, Peggy Fay's Restaurant, Easton, Wa.

Oct. 23rd, 1977 Jefferson County Mycological Society,
Ft. Worden State Park, Port Townsend,
Noon - 5 pm. Details in another section
of Spore Prints.

FIELDTRIPS

Dick Sieger

Oct. 8 & 9 Silver Springs Forest Camp - elevation 2,650'

Drive east on State Highway #410 to about 30 miles S.E. of Enumclaw. The camp is on your right, just before the Mt. Rainier National Park border.

Oct. 21, 22, 23 CISPUS III - Directions in your registration

Oct. 29 & 30 Oak Patch Camp (near Bremerton)

Go to Belfair, turn left to Tahuya, go past Belfair State Park, turn right on Elfendahl Pass Rd, a little over two miles. Watch for the sign: "Tahuya River Valley" and take the gravel road straight ahead of this sign. Follow the gravel road about 8 miles, Oak Patch Camp is on your left. Bring lots of food for the potluck since we always invite the retarded boys who live there. (an alternate route is the new black-topped road (on your right) past Belfair State Park. Bear to the left and up-hill until you come to the Oak Patch Road (about 3 miles) where you turn right on a wide gravel which is the Oak Patch Road.

Nov. 5 & 6 Lake Arrowhead

Travel to Shelton (from Olympia on US #101, or from Bremerton on State Highway #3.) At the southerly edge of Shelton travel south-westerly to Cloquallum (about 25 miles) on the Lake Isabelle-Cloquallum Road. Have care or you will be through Cloquallum before you know it - it's a service station and a store and not much more. Immediately past Cloquallum the road makes a "Y" - take the right fork (not the gravel road but the blacktop). (The left one goes to Elma). Lake Arrowhead is about 1-1/2 miles past the fork, and is on the south side of the road. Look for PSMS signs as well as Lake Arrowhead signs. Remember you travel on a blacktop road all the way.

We recommend carrying and using a compass on all fieldtrips.

NEW EDITOR NEEDED

H.R.H.

A new editor for Spore Prints is needed. Due to heavy professional and family commitments and travel, and longevity in this job (3-1/2 years) I am forced to give up the editorship. I have thoroughly enjoyed writing for you and thank every one who helped me. I will stay active in PSMS in other capacities.

Anyone interested call me at 523-2892 and we do the next issue or two together and then you can take over.

On this job you meet many interesting and friendly people and get all the news first. PSMS is the largest mycological society in the U.S. and it has been an honor to be its editor. I hope my successor will find it as rewarding as Monte and I did.



P. S. M. S. Spore Prints

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Fred VanDeBogart (362-2397); Buzz Walters
(243-3758); Milton Grout (immed. past pres.)

ALTERNATES Carl Hermanson (723-5127);
Paul Anson (282 - 2238)

SCIENTIFIC ADVISER Dr. Daniel E. Stuntz

Calendar

- Oct. 8 & 9 Fieldtrip to Silver Springs Forest Camp
- Oct. 10 Monday, Membership Meeting, 8:00 pm
- Oct. 15 & 16 The 14th Annual Exhibit
- Oct. 17 Fall Class, Pacific Science Center, 7:00 pm
- Oct. 21 - 23 Cispus III Educational Foray
- Oct. 24 Fall Class, Pacific Science Center, 7:00 pm
- Oct. 24 Board Meeting, 8:00 pm
- Oct. 28 Deadline for Spore Print Material. Send all articles
art work, and recent photos to the editor, at
4029 E. Madison, Seattle, Wa., 98102
- Oct. 29 & 30 Fieldtrip to Oak Patch
- Oct. 31 Fall Class, Pacific Science Center
- Nov. 5 & 6 Fieldtrip to Lake Arrowhead
- Nov. 7 Fall Class, Pacific Science Center
- Nov. 14 Membership Meeting, 8:00 pm

JOY MCKNIGHT - NEW MEMBERSHIP CHAIRMAN

Joy McKnight is our new membership chairman. All matters pertaining to membership, that includes change of your address, renewals, etc., should be directed to her. Her phone number is 772-5567.

Membership Meeting

Monday, October 10, 1977, 8:00 pm, Eames Theater
The Pacific Science Center

Program: A varied program is planned for us this time. Winston Hufford will give a general presentation about the approaching Annual Exhibit.

George Rafanelli will talk about gathering mushrooms for the Show.

Dick Sieger, an accomplished wine maker, will tell us about yeasts - their usefulness and make up.

BOARD NEWS

H.R.H.

The September Board Meeting was nearly entirely devoted to the details of organizing our 14th Annual Exhibit. Items specifically covered were books. Since only PSMS members qualify for a discount on books. There will be a separate counter for book sales to members, and every member must at the time of purchase show proof of membership or he/she will be charged the regular price. (This procedure is necessitated by tax laws.)

This year there will be a new committee on Security. Every member attending the show (and your PSMS membership gives you FREE admittance to the Show) must at the time of entering show proof of membership. This is not to make things more difficult, but we are a large organization, and no one member can be expected to know every other member. So bring your membership card to the Exhibit.

Also we expect every one attending the Fall Class held by our Society to be a member of PSMS. These classes are not held for the general public.

Everyone should be aware of the new hours for the Exhibit this year: Saturday the Exhibit will be open until 9 pm with the box office closing at 8 pm. Sunday hours are 10 am to 6 pm.

At the time of the board meeting we were notified that the slide show (given by Joy and Roger Spurr) during the Exhibit may be in a different location yet. The Indian Longhouse, was scheduled as the site of the slide show this year. This location is by far not as convenient as the 'old' Science Theater which is no longer available, but we agreed to use it. The exact location of the slide show will be announced during the October Membership Meeting and during the Exhibit.

BITS AND PIECES

At the start of the new fall season all of us needed the refresher program given by Milton Grout at the September Membership meeting in which he compared the good edible mushrooms with their poisonous look-alikes. Thank you, Milt, for an excellent presentation.

Remember the Pollards' cartop tent-sleeper. Well, it's for sale including the fitted double sleeping bag and air-mattress. Call Pauline at 772-4632.

The Amanita phalloides which Ben Woo found in Seattle last year had not fruited at press time.

A recent revision of the Guide to Common Mushrooms of British Columbia by R.J. Bandoni and A.F. Szcawinski is available from the British Columbia Provincial Museum, Victoria, B.C., Canada. Price: \$5. PSMS will have this book for sale at the Annual Exhibit.

OLYMPIC PENINSULA FIELD TRIP

Dick Sieger

Judy Roger arranged for our stay at Driftwood Acres on September 10 and 11th, and was kept busy greeting people, directing us to hunting areas, identifying mushrooms, and taking people out hunting. She was even seen drawing a map of her favorite Lepista nuda patch in Woodland Park. No copies are available.

Sixty people enjoyed a weekend of perfect weather and we ate our tasty pot luck dinner under blue skies. Mushroom hunting in salty fog near the surf is different from our usual field trips in the Cascades.

Roy Dormer was with us, fully recovered from his spring illness.

Dr. Fred Van DeBogart helped identify mushrooms and started some cultures with material that was brought in. He will use them to study mycorrhizae.

Fifty-four species were brought in. They included four Amanitas: aspera, muscaria, farinosa, and vaginata. The beautiful, poisonous eastwoodiae was one of seven Boleti identified. The goodies were chanterelles, Boletus edulis buttons, Dentinum repandum, and meadow mushrooms.

NAMA WEST VIRGINIA FORAY

Scott Chilton

More than 200 professional and amateur mycologists attended the North American Mycological Association Foray at Concord State Teachers College, Athens, W. Va., from July 21 - 24, 1977. The Mycological Association of Washington (D.C.) was the host club, and Ruth Allen the organizer. A theme of the foray seemed to be the Genus Amanita; so many species are known from the U.S. Southeast. Dr. Kent McKnight, USDA Mycology Lab, spoke on the distribution and ecology of the Section Lepidella of the Genus Amanita. (In our part of the country Section Lepidella is represented by Amanita silvicola and A. solitaria, the latter now more properly called A. smithiana, in honor of you-know-who.) Dr. Leo Tanghe reported on careful validation of all reported sightings of A. phalloides in the United States. It is now well-documented in California and ten Atlantic States. (Ben Woo reported to us about a small, but reliable fruiting site in Seattle as well.) Dr. David Jenkns, University of Alabama, reviewed the Section of Amanita represented by PNW species A. muscaria, A. pantherina, and A. gemmata. Dr. Donald Simons of Delaware chaired a toxicology seminar which your correspondent missed because his train was delayed by the Johnstown flood. An important report on that seminar was the finding of psilocybin in certain Gymnopilus spp. This had been long-suspected, but for many years had eluded proof. Dr. George Hatfield, an alumnus of the University of Washington, made the report by letter, since he was attending another conference.

Your correspondent did not get into the field in West Virginia because his time was taken up publicizing and showing the NAMA Education Committee's slide-tape program series. These educational programs of slides accompanied by recorded tape, renting for about \$15 per program hour, are NAMA sponsored projects, developed by PNW members, and distributed through Coleman Leuthy of Seattle. A complete listing of program titles will appear in the November issue of Spore Prints.

ASPEN MUSHROOM CONFERENCE

Scott Chilton

The Fourth Aspen Mushroom Conference was held at the Hotel Jerome, Aspen, Colorado, August 8 - 12, 1977. Dr. Emanuel Salzman and Dr. Barry Rumack organized a rich program of activities, offsetting a rather poor mushroom

season caused by lack of rain. (Remember the Thompson Canyon River flood just a year ago in that area?) Non-physicians represented a larger proportion of attendees this year, attracted by the special week-long taxonomic microscopy courses conducted by Dr. Roy Watling. Quite a few PSMS members attended Dr. Watling's course which was organized by Kit Scates and Manny Salzman. PSMS members I remember seeing working there late hours over their microscopes include Jennie and Dave Schmitt, Mike Beug, Ben Woo, Dorothy Tarr Nettie Laycock and Judy Roger, who will be giving us some of the benefit of what she learned, at CISPUS III.

Dr. Watling, Director of the Botanical Garden in Edinburgh, Scotland, later visited the North Idaho Mycological Association and the Oregon Mycological Society. (PSMS missed the opportunity of hosting Dr. Watling because it has no organized program in August.) A larger number of European mycologists than usual were in this country this summer to attend the Second International Mycological Congress in Tampa, Florida, in September. This Congress also attracted Dr. Heinz Faulstich and Dr. Andreas Brezinski, who both dropped in on the Aspen Conference while they were on this side of the Atlantic. Dr. Faulstich, a German biochemist, gave a technical lecture on the latest clinical work with the deadly amanitin toxins conducted at the Max Planck Institute in Heidelberg. Dr. Brezinski, Professor of Mycology at the University of Regensburg, was available to those interested in his specialty, genetics and pigmentation of mushrooms. Incidentally, Dr. Brezinski passed through this area last week where he spent one day in the Stevens Pass area collecting appropriately pigmented boletes.

Dr. Harry Thiers, Professor of Mycology at San Francisco State College, and Dr. Alexander Smith, Professor emeritus at the University of Michigan, served as foray mycologists. Others on the program at Aspen were Linnea Gillman, mycologist with the Forest Service, George Grimes and Art Zanon of the Colorado Mycological Society, Gary Lincoff of New York, Dr. Kenneth Lampe, Pharmacologist at the University of Miami, and two PSMS members, Kit Scates and your correspondent.

BITS AND PIECES

A Washington State University pharmacy professor says, "stout doses of Coprinus atramentarius may keep persons from taking a snort of something alcoholic". Dr. George M. Hatfield is doing research sponsored by the National Institute on Alcohol Abuse and Alcoholism on this common mushroom well known to us in PSMS. He is attempting to see if the extract from this fungus inhibits the oxidation of alcohol. So far, the studies on mice reveal that those given alcohol and then injected with compound from this fungus become very, very sick.

Reported by the Minnesota Mycological Society that 1977 was a good morel year, and that one member found some real biggies (in a yard, no less) measuring 15" from top to ground level with a base of 9" around!

NEEDED: FOOD FOR THE HARD-WORKING

EXHIBIT CREWS

Grace Jones

When coming to the Exhibit please bring some food for the people who work so hard getting the Exhibit under way. Please put your name on the dishes, pots and pans, etc. Also, if your dish has special requirements as to heating, when to serve, etc., please tape these instructions on the dish.

The third CISPUS Foray will be held on October 21, 22 & 23, 1977 at the Cispus Environmental Learning Center, south of Randle, Washington (South of Highway #12 - White Pass Highway).

A program of educational lectures on mushrooms by professional mycologists is planned, as well as smaller group sessions on beginning mushroom identification, beginning microscopy in mushroom taxonomy, advanced microscopy, photographic equipment and techniques, and mushroom cultivation. Professional mycologists who will be present include Prof. Daniel Stuntz, University of Washington, Prof. Harry Thiers, San Francisco State University, and Prof. Gaston Guzman, Polytechnic Institute of Mexico. Others will be invited. For the eager collector the Cispus Center will be open to attendees at 9 am, Friday, October 21. Lunch and dinner will be available at the Cispus Center for those who register for it.

CISPUS - Registrar, Jennie Schmitt, is accepting reservations from PSMS members now at \$8.00 per person. Send your checks made out to Jennie Schmitt - CISPUS III to her at 2100 Lake Washington Blvd., #70, Renton, WA. 98055.

You may pay for your meals (and cot space for your sleeping bag) now, or when you arrive. The price for meals (and lodging) is \$18 if you take meals Friday, Saturday and Sunday, or \$12 if you take meals Saturday and Sunday only. Limit: 175 registrants; First-come, first-served.

COLLECTING MUSHROOMS FOR THE ANNUAL EXHIBIT

The mushrooms displayed at our Annual Exhibit are collected on Friday (October 14 this year) preceding the Show or Saturday (preferably in the morning) the day of the Show. George Rafanelli (phone 767-4408) and Martin Hansen (phone 242-8717) coordinate the collecting effort so that all areas around Seattle are covered and we get the diversity of species (usually around 300) displayed.

If you have time to go out Friday or Saturday call either George or Martin and they will direct you to an area. You don't have to be able to identify the mushrooms you find in the assigned area, or where you know fungi grow. Your task is to collect them in the proper manner (pictorially and verbally explained below), and bring them to the Pacific Science Center parking lot (off Roy Street) starting approximately 5 pm Friday evening, where somebody will take them over.



FALL FORAYS

Oct. 21 - 23, 1977 Cispus III, sponsored by PSMS (details in another section of Spore Prints).

Oct. 22 - 23, 1977 Tri - Cities Mycological Society Annual Fall Foray at Camp Wooten on the Tucannon River. Direct inquiries to Herold A. Treibs Richland, Wa., phone 1 - 509 - 967 - 3641

Nov. 4 - 7, 1977 Mushroom Symposium at Linn-Benton Community College, Albany, Oregon, details in Sept. 1977 Spore Prints.

JEFFERSON COUNTY MYCOLOGICAL SOCIETY SHOW

John Parker notified us that the Jefferson County Mycological Society will hold its exhibit on the weekend of October 22nd and 23rd. It will be held in the same beach building at Fort Worden State Park in Port Townsend as last year. Saturday will be the day for gathering and arranging. At 5 pm on Saturday will be a potluck dinner. On Sunday the Exhibit will be open to the public from Noon to 5:00 pm. Ft. Worden has ample hook-ups and camping spaces.

The proper tools for collecting for the Show are a small garden trowel, a knife, and many boxes, cut-off milk cartons, berry-baskets, etc. as shown on the picture (left). Even a small axe may be required for some wood growing fungi. You should collect some specimens of every variety you find, young, old, edible or not edible, poisonous, woody, etc. With the trowel get some of the dirt around the base as this will help keep the fungi fresher and in better shape to last through the Show.

Keep every variety separate (that's why we need the berry-boxes and cut-off milk cartons) and place them in the container in the position in which they normally grow. Don't stack them, and don't crush them. If you are out on a sunny day, keep your car parked in a shady place if you have some mushrooms stored in it. If Friday is a really hot day, you might sprinkle the specimens. If the mushrooms are properly cared for they will come through and withstand the dryness of two days on display and still look fresh on Sunday. Also remember, many fungus varieties are fragile and delicate and must be given the greatest care, so that they arrive at the exhibit in their natural form and can be displayed.

The picture below demonstrates the improper way of collecting mushrooms for the Show. Now you know what to do, so our collection this year should be the best ever.

