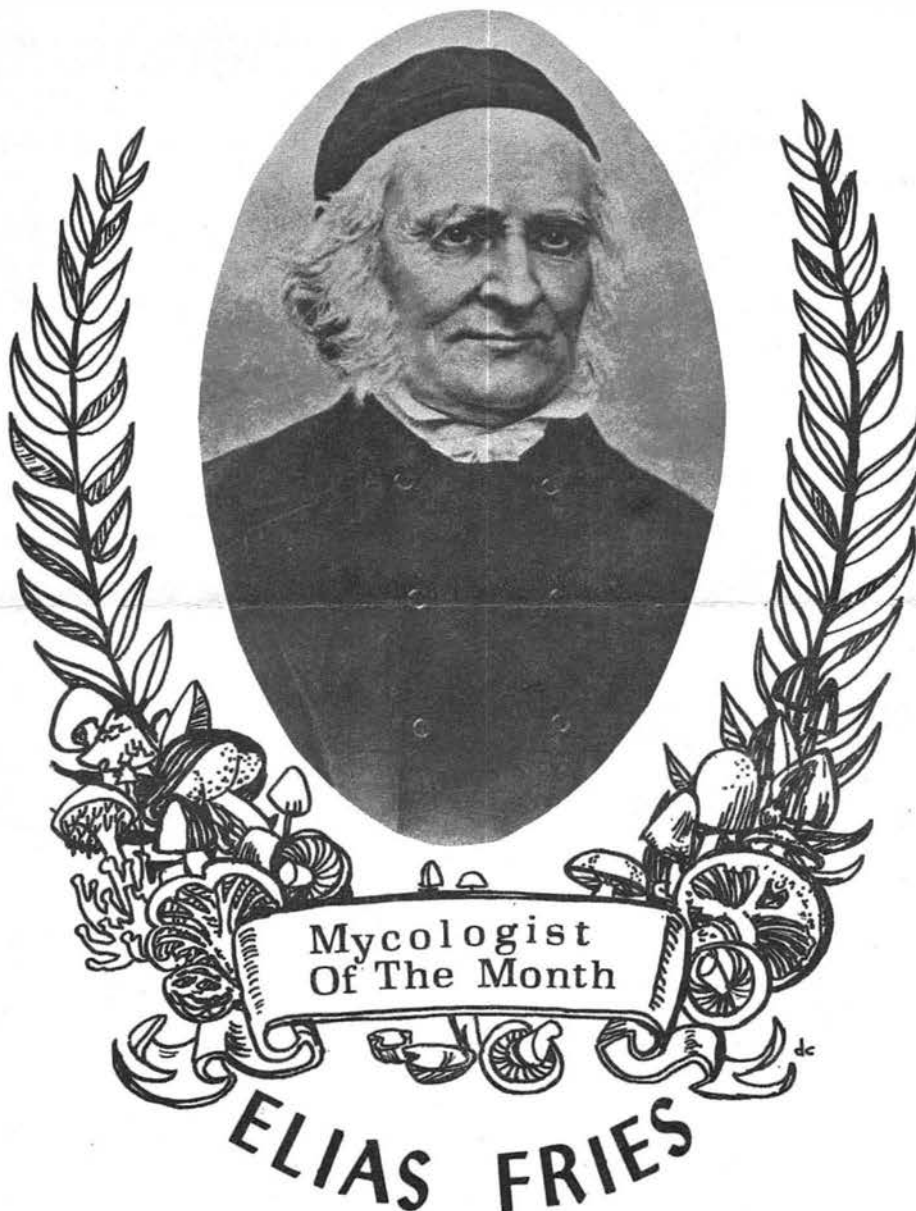


SPORE PRINTS

BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY
200 Second Avenue North
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May, 1972
NUMBER 82



ELIAS MAGNUS FRIES' gift to mycologists is his "Friesian" system which is based on identification of characteristics of fungi with the naked eye, or at most a hand glass.

Fries' father, a zealous and accomplished botanist, was Lutheran pastor in Femsjo, Sweden, a tiny village in a heavily forested area. As a child Fries had the woods to play in and his father's interests to suggest further investigation. Fries himself said the thing that really started him off was the discovery of a magnificent *Hydnum coraloides* one day when he was helping his mother gather kindling (the first record of the dry-wood syndrome still evident today in PSMS field trips). His life's work was firmly oriented. Subsequently Fries wrote many books on botany with particular brilliance in the *Cryptogamia* (ferns, mosses, algae, fungi, lichens).

His *Systema Mycologicum* (1821) was so superior in its system of classifying gilled mushrooms, it superseded every system proposed to that time. In classification of other genera he used bits and pieces of the systems of others, always acknowledged, as became the son of a minister. He was a genuinely good man: honest, conscientious, forthright. If some botanist he trusted verified from microscopic features that reclassification was indicated, Fries would incorporate the change, although he himself did not use a microscope. The family Fries is distinguished for its botanists. Elias passed on his enthusiasm to two sons, three grandsons, and a great nephew.

His last work, *Hymenomycetes Europaei* (1874), a summation of forty years of work in fungi, became the mycologist's bible. His system, even with constant improvement and clarification, is still the only one to be used nearly intact today as the foundation of mycological education for PSMS members.

membership meeting

Monday, May 8, 8 pm, Eames Theatre, Pacific Science Center.

In which we unfold from our usual V-shaped, ground-watching position and fix our sights on The Land Birds of Western Washington. Elsie Boggs of the Audubon Society will present this slide lecture in a pleasant departure from flora to fauna.



SPORE PRINTS is published monthly except July and August by the PUGET SOUND MYCOLOGICAL SOCIETY, c/o The Pacific Science Center, 200 - 2nd Ave N, Seattle, Washington 98109. Editors: yes, so far.

OFFICERS, NEWLY ELECTED

Howard Melsen	President
Charles Woodruff	Vice Pres
Helen Wasson	Treasurer
Helen Hewitt	Secretary

TRUSTEES Michel Allain, Scott Chilton, Dina Chybinski, Claude Dilly, Milton Grout, James M. Hara, Don Peterson, Dee Poole, Charles Proctor, Isabelle Waite and Robert W. Ramsey (Immediate Past President)

ALTERNATES: Cliff Carpenter, Virginia Kessner, Charles Kessner.

SCIENTIFIC ADVISOR Dr. Daniel E. Stuntz

C A L E N D A R

May 8	Monday	10:00 a.m.	Seward Park Ramble (See Field Trips)
		8:00 p.m.	Membership meeting
May 22	Monday	8:00 p.m.	Board meeting
May 26	Friday,	DEADLINE for SPORE PRINTS news. Mail to SP, 4029 E. Madison, Seattle 98102	
June 12		8 p.m.	Membership meeting

* * * * * *CLOSED July and August * * * * *

TACOMA MYCOLOGICAL SOCIETY DISPLAYS TALENTS !!!

TMS will have a display in the Point Defiance Park greenhouses for the "Gardeners' Paradise" activities May 6/7. We would appreciate additional specimens, especially if they are somewhat rare and IDENTIFIED!

Exhibiting in the same greenhouse will be the Bon-sai, Rhododendron and Rose Societies. Visiting hours noon to 8 p.m. Saturday; 11 to 6 pm Sunday

TSK TSK DEPARTMENT

A belated but big, warm Thank-You to Joy Spurr for letting us use her beautiful photo portrait of the morel on last month's cover. Thank you, Joy.

SUPERBOARD MEETS AGAIN!!! by Connie Calvert

April 17. Present: Allain, Chilton, Dilly, Hewitt, Melsen, Peterson, Poole, Proctor, Waite, Woodruff. Balance were Income Tax Abantees.

For many months the relationship of dues to costs, and the burden of our giant membership on volunteer workers has been under discussion in the Planning Committee. The fact is, our present dues structure does not cover the cost of printing and mailing the Bulletin and the roster. The membership chairman spends a greater and greater part of her life keeping records and answering phone inquiries. Oregon Mycological Society, faced with these problems, arbitrarily limited its membership to 300. But how do you tell No. 301 that due to circumstances under your control, he will have to go home again?

The Board voted to raise dues in the hope of solving two problems: the cost of Bulletin and roster, and perhaps discouraging membership from climbing any further. We don't want to have to limit membership - it's another burden on those who keep records.

Dues, beginning July 1, will be \$5 full-time student, \$7 individual, \$10 family. We rely on your personal integrity in declaring your status. The membership committee is rightfully irritated by individuals taking a single night course who declare themselves students. There aren't many, but that's too much. Or not enough, as case may be.

(Ex-Editor's note: Ballots were sent to 828 members. 288 members voted. If it's not too personal, or too revealing, what did the rest of you join PSMS for?)

Rosters will be mailed soon to all members.

We owe a vote of thanks to Georgia Ramsey for the tremendous typing job - she is doing it for the Very Last Time for the fourth year. Irene O'Connor designed the attractive cover. These ladies are devoted, talented and responsible, and thank you.

NOTICE OF VOTING ON CHANGE OF BYLAWS. At May membership meeting members will be asked to vote on a minor change of bylaws to enable printing to be done between closing of nominations and mailing of ballots, from seven (7) days to ten (10) days.

The PSMS trailer was sold to the highest bidder who met the standard previously set by the Board (not personal standard; financial.).

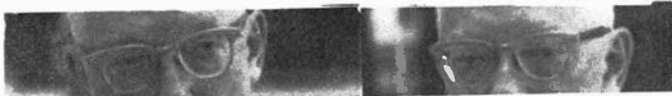
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(Superboard cont.)

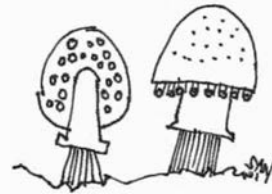
Robert Ramsey was unanimously voted a Life Membership, an honor accorded Past Presidents, of whom he is an outstanding example. At one time in our history it was thought we might acquire enough living PPs to outnumber members. In which case the Bulletin could just have been phoned around to the few troops involved.

Charles Woodruff was nominated to run for the governing council of Washington Environmental Council. They nominate 20 and elect 9. Charles' problem is representing an organization with the word "mycology" in its name. Nobody knows what that is. Any moment I expect him to resign and join the Stock Car Racing Assn so he'll have a chance of being elected. Everybody knows what that is.

We contribute annually to the WEC. It is the only group in the State that is attempting to coordinate the needs of environmental concern with the requirements of industry, and to keep the conversations going, rather than getting on either side of the barricade and throwing rocks at each other. Mushroomers need environment even as you and I, so we encourage WEC in their work. If you care to join you can be a Regular Member for \$10 a year. Call MA 3 1483 for details, and find out what is happening in legislation, negotiation and general excitement.



FAMOUS LAST WORDS, these are my. New Editor is Auriel Harris, in whom you may have full confidence. She has a five-page document titled "Duty Sheet on Spore Prints", which tells her what, when, where, how and who, plus a smattering of my personal philosophy and a few childhood reminiscences. I've enjoyed most of what's involved in putting out the Bulletin, but what I've really enjoyed is all you mushroom freaks. I have to leave town, which may not come as a surprise to some of you. I shall enjoy seeing the Bulletin when the mailman brings it. Love to all from your irascible friend, C.C.



FIELD TRIPS

By Martin Hansen

PLEASE NOTE DATE CHANGE ON TUMWATER TRIP.

May 8 Monday 10:00 a.m. Pre-meeting specimen-gathering ramble and brown bag lunch. At Seward Park, drive uphill to left, take right fork, park (or proceed to next area, if that one is closed).

May 20/21 Tumwater Forest Camp--Stevens Pass Highway, 9 miles N.W. of Leavenworth. Virginia and Chuck Kessner will lead this trip, assisted by Helen and Fred Wasson, and Lucy and Richard Goodwin.

May 27/28/29 Silver Falls Forest Camp--Entiat Valley Road 317, 31 miles N.W. of Entiat. Jenny and Dave Schmitt will lead; they will be assisted by Joy and Lyle McKnight, and Betty and Andy Yuhl. If the snow pack is too heavy for us to use this camp, we will seek an alternate. Watch for S SMS sign at intersection of highway 97 and road 317. The large highway sign at this place says ARDENVOIR--BRIEF.

June 3 Money Creek Forest Camp. One day trip Saturday. Stevens Pass Highway, 4 miles west of Skykomish. Geneva and Al Hutchinson will lead. They will be assisted by some nice people who will volunteer when they arrive there. (Or else).

June 10/11 American Forks Forest Camp--Junction of Naches Highway and Bumping Lake Road 174, 49 miles N.W. of Yakima. Dorothy and Ted Viers will be your fearless leaders; they will be assisted by Jeanette and Howard Hanson and some more nice people who are going to volunteer at the May membership meeting.

Your field trip committee seeks to involve more people in field trip operation. A knowledge of mushrooms is not a requisite. This is an excellent way to meet new people and to learn more about mushrooms. Participation by new members is the life blood of any organization, especially ours.

We feel that three couples involved in each trip will spread the duty thin enough that every one can get out and hunt. Please contact Martin Hansen, CH 2-8717, or Ed Cantelon CH 2-6115.

ENLIST NOW

Ten lovable mushroom members needed to join the Educational Committee and create an educational system for basic and advanced mycology. No special skills needed. In fact, this might well prove to be an education in itself. Contact Robert Ramsey for more information. Positions are limited, so don't hesitate. Uncle Bob needs you!

FIELD TRIP REPORTS

Rockport State Park - April 8/9 By Martin Hansen
Mushrooms didn't cooperate; the weather had been too cold, especially during the night. The season for *Verpa bohemica* will probably be short this year. About 16 species were identified.

There were 86 people who signed the register and 21 rigs stayed overnight. We had 57 at the best Potluck that we have ever had. We tried to eat the WHOLE thing. (Stomachs did not cooperate.) Many new people showed up and we feel it was a most successful first trip of the season.

We wish to express our appreciation to Pauline and Bill Pollard who expended a lot of energy installing and later removing the plastic around the shelter. They spent the entire weekend tending camp.

Lake Sammamish State Park - April 22

By Betty and Andy Yuhl
For those who want statistics, the field trip to Lake Sammamish State Park attracted 64 members, used 1½ lbs. of coffee, 2 gunnysacks of wood, and cleaned up the cookies.

As for mushrooms, this was where they had been. The Martin Hansens led one hunting party up by Issaquah, the Pollards guided a group around the park, and neither they nor the independent searchers had any success. As Paul Anson said, "To paraphrase Brigham Young, 'This is not the place!'" There were 6 identified specimens, 8 unidentified. (Most of the searchers recognized each other.)

But we had other entertainment. All day we watched sky divers, singly and in groups of three or four, drop down and land in the field adjacent to the park. Their parachutes were in all colors and combinations of colors--there was a paraplane--and some of the parachuters would free-fall almost half the distance to the ground. Tall tales were told. Would you believe that one of our members used to make off with the golf balls of golfers who whacked the heads off his mushrooms?

Mr. Gary Herren, assistant park ranger, was a swell guy and ready to help in any way. Kay and Paul Anson, Pauline and bill Pollard were the perfect co-hosts. SOMEBODY provided bright sunshine and brisk, fresh air. Few mushrooms, no potluck, but what a wonderful day!

MUSHROOM INTELLIGENCE AGENCY

Under the guise of a mild-mannered historian, our very own Dina Chybinski is assembling information that will lead to complete dossiers on the elusive mushrooms. But work like this cannot, and should not be done single-handed. She needs your information. She needs. . .but let her tell it.

"If you write a bit about track-keeping, this is what I yearn most to know:

1. Fruiting habits--on or under what type of vegetable growth, etc.
2. Mushroom lore--from reading, newspaper clippings, personal observation at home or abroad.
3. Does anybody want to HELP keep track--not of the society--but of those maddening moppets, the mushrooms?"

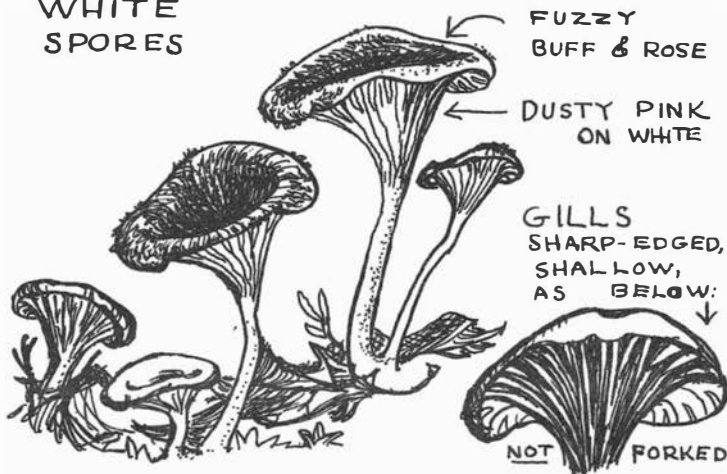


WHITE
SPORES

FUZZY
BUFF & ROSE

DUSTY PINK
ON WHITE

GILLS
SHARP-EDGED,
SHALLOW,
AS BELOW:



NOT FORKED

Though resolutely unshiny, this little funnel-shaped fungi has a frosted luster (like a *Laccaria*) when fresh. A few hours after being picked, it becomes rubbery and its thin-fleshed, radially-fibrous cap split from incurved margin to top of the slim, hollow stipe. Found in large colonies under newly-leaved bushes in springtime, it's too flimsy to be pot-worthy. Use PSMS class key to learn its genus.

ANSWER: *Omphalina hepatica*, formerly *Clitocybe*.

CORRECTION: Last month's tan-lined cup fungus is a *Peziza*, but NOT *Discina ancilis*, which is browner, more convoluted. Nobody knows what it is by now. It's dead.



WANTED: DEAD OR ALIVE

A hundred pounds of *Amanita pantherina* is needed this spring for a chemical investigation. If you collect any *A. pantherina*, call Scott Chilton, Chemistry Dept., U. of Wash., 543-1610 (evenings EM 2-0804) for pick up. These *pantherina* will be deep-frozen and later ground up, so there is no need to select only perfect specimens.

Says Scott, "I am studying chemical variations between European, U.S., and Japanese species of *Amanita*. We know already that there is some difference in chemical composition of *A. pantherina* according to geographical location. We are attempting to identify a chemical which occurs only in our N.W. *pantherina*. It is present in a concentration of only 0.1%. Therefore 100 pounds of *pantherina* will give us less than 2 ounces of material after refinement. This is why we need so much material and the help of PSMS members."

There, you see? He wasn't being greedy after all.