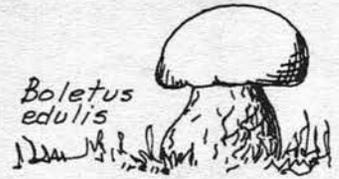


SPORE PRINTS

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

May 1985

Number 212



FIELD TRIPS

Andy Green

We hope the weather will cooperate and we will have successful field trips. At this time we still need hosts for most of the trips listed below. Please call me at 523-5975 and volunteer. We also are trying to arrange carpooling. If you need a ride or can offer a ride, please call Sally Ann Hansen at 244-5084.

May 11th Lake Wenatchee State Park: 1,900' elev; Take U.S. Route #2 over Stevens Pass. 20 miles past the summit turn left (north) on State Route #207. The Park is in two sections. The reserved PSMS shelter is the new, larger shelter in the day-use area. The Park entrance is on the left, and prior to Road #209 to Plain. If you have crossed the river you have gone too far. Overnight camping is across the river and beyond the "Y" in the road. Last year we found morels on this trip.

May 18th Crystal Springs Forest Camp: 2,400' elev; Take Interstate 90 over Snoqualmie Pass. Nine miles past the summit, turn off at the Stampede Pass exit #62. Turn right at the stop sign, and again turn right into the Park after one-quarter mile.

May 25, 26, 27 Clear Lake Forest Camp: 3,100 elev. The camp is south-east of Mt. Rainier National Park on State Route #12. Use the well-marked turn-off about 7 miles east of White Pass summit. Travel 4/10th mile and take the left fork which is Road #1312. Continue another half mile and turn right into the campground that is across the road from the Spring Forest Camp. There is no water available here.

June 1st Swauk Camp: elev: 3,000'; Travel over Snoqualmie Summit and continue on Interstate 90 until the U.S. Route #97 North turnoff (just past Cle Elum). Take #97 North for about 20 miles and the campground is on your right.

CARPOOLING FOR FIELD TRIPS & MEETINGS S. Hansen

With the spring mushroom season upon us, we appeal to members who plan to go on field trips and who have empty seats in their vehicles to offer to take some one along. It could be that some fellow member otherwise would not be able to go, or it could mean that some driver does not care to go alone. We have set up a clearing house, and whether you can provide transportation or whether you need a ride, call

----- 244 - 5084 -----

You may call till early evening up to the day before a scheduled field trip or a meeting. Sally Ann Hansen will then match up the needs.

Let's share so more members can participate in PSMS activities. Basically members need rides to the field trip site. There they will find a group to go collecting (we mention this because some members hunt in secret places which they don't want to share with others, and that's ok.) Also make sure that the driver and the ride plan (or don't plan) to stay

for the potluck. The division of gas money is up to the concerned parties.

We know some members don't make up their mind until the day before - that still allows them to call 244-5084.

PSMS has been a very caring and sharing group. Let's continue this tradition. Chances are you will meet interesting people and acquire a new friend in the deal. Help someone else enjoy a field trip and/or a meeting!!!!!!!!!!!!!!!!!!!!

HELP SAVE THE CHANTERELLES H. & Monte Hendrickson

Everyone probably has read the article about a German firm setting up a processing operation in Seattle which plans to can 800,000 pounds of chanterelles in 1985. At this time it is not clear whether this is a new purchaser of wild chanterelles or whether the firm has purchased wild mushrooms here in the past. Let's assume the worst, that this demand is on top of the tons of chanterelles that have been shipped in salt brine in previous years.

Wild mushrooms are a natural resource that will be exhausted if this exploitation continues!

In many local areas recreational collectors have seen the underbrush trampled and had the feeling a vacuum cleaner has sucked up all the chanterelles after the rape by the commercial pickers.

Basically there are enough chanterelles in our moist Pacific Northwest for all Northwest citizens to enjoy. But it is the EXPORTING of our precious chanterelles that must be stopped before all are gone. PSMS has set up a committee which will coordinate our effort.

But all of us should do something to stop this firm from getting established. It will be tough going because the Washington State Legislature and the Department of Commerce & Economic Development pat themselves on the back for having brought a new industry to Washington State.

Here are some suggestions of what YOU can do:

1. Write a protest letter to the Director of the Department of Commerce and Economic Development in Olympia.
2. Write to the Senator and Representatives from your legislative district.
3. Contact other nature oriented groups you belong to, such as the Audubon Society, Mountaineers, Sierra Club, etc. and urge the membership to help us fight the destruction of the environment and one of our precious resources.

PSMS is also soliciting the support of the other Northwest Mycological Societies so that our efforts can be coordinated.

We urge ALL MEMBERS to get involved. Any suggestions on how to fight this grave problem should be addressed to PSMS. The situation is urgent - don't delay - get involved. The PSMS Legislative Group Meeting will be held in Room 104 of the Monroe Center on Thursday, May 16th at 7:30pm. Lori Knox is heading this group and if you have an item you would like to bring up, call her at 364-7216 ahead of time so she can incorporate it into the program. We cannot afford to delay the lobbying effort, because the fall season will be here sooner than we think. GET INVOLVED!!!!!!



P.
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Spore
Prints

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PUGET SOUND MYCOLOGICAL SOCIETY
2559 N.E. 96th, Seattle, Washington 98115
Direct all mail to this address

OFFICERS Margaret Dilly, President, 1986 (1)
Gilbert Austin, Vice President, 1987 (1)
Ferris Anderson, Treasurer, 1986 (2)
Betty Hamilton, Secretary, 1987 (2)

TRUSTEES Term expires March 1986: Ed Bush (1); Sally
Ann Hansen (1); Betty Okura (1); Pacita
Roberts (1); Ron Skoor (1).
Term expires March 1987: Ernie Boa (2); Judi
Boa (2); Dennis Bowman (1); Andy Green (1);
Charlotte Turner-Zila (2).

ALTERNATES Morley McCall; Brian Read.

SCIENTIFIC ADVISER: Dr. Joseph Ammirati

LIBRARY in Room 104 of the Monroe Center.

Hours: Tuesdays 6 - 9 pm; Thursdays 10 am - 2 pm.

Calendar

- May 11 Field Trip to Lake Wenatchee State Park
May 13 6:45 Beginners Orientation Class
8:00 pm Membership Meeting
May 18 Field Trip to Crystal Springs Forest Camp
May 20 Monday, Board Meeting, 7:30 pm
May 24 Deadline for Spore Prints Material. Send to the
Editor, 2559 NE 96th, Seattle, WA 98115
May 25-27 Field Trip to Clear Lake Forest Camp
June 1 Field Trip to Swauk Pass Forest Camp
June 10 Membership Meeting

BEGINNERS ORIENTATION CLASS FOR MAY

Joy Spurr, photographer for PSMS, will give tips and valuable information about photographing wild mushrooms. You will want to be able to correctly photograph that prize find.

WELCOME TO THE FOLLOWING NEW MEMBERS

Beth Calvo: 525-7150; MaryAnn & Michael German: 486-7913; Nancy & William Guinn: 526-5530; John Havekotte & Patty Hieb: 632-1308; James & Karen Humphrey: 226-0962; Keith & Linda Lyson: 485-5289; Doris Park: 242-7222.

THE 1985 MEMBERSHIP ROSTERS ARE READY FOR PICKUP

Please pick up your 1985 membership roster either at a membership meeting or at a field trip. They cost a great amount to mail, so we try to distribute as many as possible in person. Those not picked up will be mailed in June.

Membership Meeting

Monday, May 13, 1985, 8:00 pm in the auditorium of the MONROE CENTER, 1810 N.W. 65th Street, Seattle.

Program: Dr. Fred Rhoades, Visiting Assistant Professor of Mycology at Western Washington University in Bellingham, will give a slide-illustrated lecture titled: The Population Biology of Mycena or How Do Species of Mycena Live Together in the Same Space? Dr. Rhoades, a member of PSMS, studied at Swartmore College and later worked with Bill Denison and George Carroll at the University of Oregon and Oregon State University.

BOARD NEWS

H.R.H.

President Margaret Dilly told the Board about the recent deaths of two charter members, Tom Imori and George Tokuda. She also announced the Margaret McKenny Exhibit at the State Museum in Olympia (more in another section).

The producers of last year's beautiful show poster made a presentation about a design for a poster for 1985. The Board voted to authorize the production of another professionally produced poster. Details are to be worked out between the firm and the President.

PSMS has authorized Dr. Patricia Winter to supervise the preservation of spring mushrooms in a new process. These mushrooms will then be exhibited at the Annual Show. For details consult another section of this issue.

FIELD TRIP REPORTS

H.R.H.

Everything went right on the field trip to Rockport on April 13th. The weather was nice; we had a great turnout (105 members and guests signed the register); everyone found some Verpa bohemica (those venturing deeper into the cottonwood groves found more than those staying on the trails); Howard Melson expertly identified 20 species. He was assisted by Jennie Schmitt. 52 enjoyed one of the best potlucks we have had. And Corinne Cato assisted Hildegard Hendrickson with hosting duties. Let's hope the remaining spring trips will be as successful.

75 members and guests came to Ostrom's in Lacey to see how the "store" mushrooms are grown. Pat Greenlee of the firm was our tour guide. This trip is very educational for our beginners in that they observe all the steps that are needed to get a mushroom to fruit. And if one also hears about the meticulous processes (pasteurizing the growing medium, etc.) that are carried out, we again are grateful to and in owe of mother nature who carries out all these processes, automatically and at the appropriate time of year, so the fruiting bodies are there for us collect. Most members had ordered some of the fresh mushrooms and went home to enjoy them.

NEEDED: PRIZE SPECIMENS OF ALL SPRING MUSHROOMS

PSMS wants to preserve spring mushrooms in the silica gel method which will keep their appearance, and we can then display them at the Annual Exhibit. The plan is to ask members who find exceptional specimens to donate them. If they are found on a field trip, the expert identifier will identify them. If a member finds excellent or unusual specimens on a private hunt, please take them to George Rafanelli (767-4408) or Charles Volz (363-5465) who will identify them and then they will take them to Dr. Patricia Winter who will supervise the drying process. Please call George or Charlie before going there, so they will be home, and the fungi can

be processed as quickly as possible. We need all varieties of spring mushrooms.

PRESIDENT'S MESSAGE

Margaret Dilly

This month has been a busy one for me, though it did not include any mushroom hunts for me. It did however bring to mind some past field trips and the joy of meeting Margaret McKenny the "Grand Dame" of Northwest mushrooming and author of the original "Savory Wild Mushroom". April 17th marked her 100th birthday, and though she died in 1969, her accomplishments are well remembered. An exhibit and reception was held in her honor at the State Capitol Museum in Olympia. Several PSMS members and myself attended. I was notified of the event by a lovely young lady, Sally Turnbull. Sally is a student of history at Evergreen State College and a freelance writer. She found McKenny's life so intriguing she put together this exhibit and plans to write a book on the life of this amazing woman of nature.

I would like to pass on to you some of the interesting facts I learned from an article in the Olympia newspaper, written by Miss Turnbull. Margaret McKenny was a teacher, poet, ornithologist, author, naturalist and photographer. She also served as an environmental conscience for Thurston County. McKenny spearheaded several groups to save parks, forests, and the Nisqually Delta. She also had a hand in planting the red maple and flowering hawthorns along Capitol Boulevard and preserving acreage at Priest Point Park and forming a local chapter of the Audubon Society.

To many, Margaret McKenny's name is synonymous with mushrooms. "The Savory Wild Mushroom" is only one of the 15 books she wrote. On a tour through Olympia in 1943, Helen Keller visited McKenny at her home for several days. On their nature walks, Keller was able to identify mushrooms by their feel, remembering their characteristics from McKenny's book.

McKenny often rose before dawn to catch certain lights in photographing a flower or to study a bird. She loved and respected nature and was outdoors whenever possible.

My own remembrances of her were that she not only enjoyed the outdoors and all of its wonders, but she also loved the people who shared her interests. We all owe a great deal to her quests and dedications.

RESEARCH ON LACCARIA: AN UPDATE Greg Mueller

A main topic of research in Dr. Ammirati's lab at the University of Washington this past year has been continuation of work on the mushroom genus *Laccaria*. As many of you know, *Laccaria* is a relatively easy genus to recognize, but many of the species are difficult to identify because a number of the characters traditionally used for identification are highly variable. Because of this problem, no published key to the North American species of *Laccaria* exists and most mushroom guides list only a few species of *Laccaria* even though at least 16 species occur in North America.

To solve the problem of defining species in *Laccaria* it is necessary to use some nontraditional techniques and look at all stages of their life cycle. Thus, in addition to critically examining macro-morphological (color, size, shape, etc.) and micro-morphological (spore size and ornamentation, etc.) characters of the fruitbody, the appearance of the vegetative part of the life cycle (the mycelium) is being carefully examined. Additionally, mating studies are being done to see if species based on morphological characters correspond to

species based on genetic characters. Another set of characters being examined comes from mycorrhizal synthesis studies (mycorrhizae is the symbiotic relationship between fungal mycelium and the roots of various plants, including trees) in which the reaction between various *Laccaria* species and the roots of different tree species is noted. When all these data are finally obtained and analyzed, it should be possible to formulate a classification scheme for *Laccaria* which will be stable (the names will not keep changing) and also reflect the relationships between species.

Significant progress has been made in this study during the past year. Greg Mueller spent much of the fall collecting in Michigan, Ontario, and California. Greg and Luhsi Shih, a graduate student from Taiwan, then spent the next several months germinating spores, starting the mating studies and preparing to start the mycorrhizal synthesis studies. This work is now starting to pay off. It is becoming clear which characters can be used to identify species and which characters are so variable that they are not dependable. With this information in hand, it should be possible to finalize a taxonomic scheme for the genus so that people can name the collections of *Laccaria* that they find.

BOOK REVIEW

In April 1982 John Kunz reviewed the Simon & Schuster's *GUIDE TO MUSHROOMS* edited by Gary H. Lincoff, as follows:

... is a translation of a 1980 Italian work, *Funghi*, by Giovanni Pacioni. It features 420 species, each with a color photo and text. The terms are not always clear (there is a glossary) and there are many typographical errors. Even though there is a key to species, this book is useless as a field guide. Incredible as it may seem, the only index is by species name, so the only way to find a mushroom in the book is to already know the species name. The genera are not arranged alphabetically, so even if you succeed in keying a specimen to genus, there is no way, except good luck to find the species descriptions and photos for that genus. The species chosen do not necessarily occur in the U.S. ...

The publisher listened to the reviews of the first printing, and has made the following changes: An index to Genera has been added, and the original index enlarged. In a note at the beginning we read: "Approximately 40 of the species described are not known to exist in North America, although many related species do. Only 3 genera are not known to be represented in the North American flora: #77 *Leucocortinarius*, #167 *Termitomyces*, and #354 *Asaroe*."

The spore color symbols represent spore print color, not spore shape.

The edibility symbols reflect European opinion. Where American experience differs, note is made in the description.

For those members who purchased the first printing, Judi has a copy of the Index by Genera and an Errata Sheet. For those who don't own the book, we recommend they take a second look.

MUSHROOM COOKING CLASS Patrice Benson

Learn delicious new ways to put your find on the table! A one evening course will be taught by Patrice Benson at the Arcade School at Frederick & Nelson's downtown on May 15, 6:00 - 8:30 pm. Margaret Dilly will be present to discuss PSMS and give safety tips on collecting and answer questions. For more information and class reservations, please phone the Arcade School at 382-8307.

THOMAS T. IMORI 1915 - 1985

Charter and Life Time Member Tom Imori died March 26th. In the early years of the Society Tom served on the Board, was membership chairman, and always helped on the Exhibit. Our sympathies go to his wife Takeyo.

FORAYS - CLASSES - WORKSHOPS

BASIC MUSHROOM ID is being held at the Cispus Environmental Learning Center in Randle, Wa. The instructor is Dr. David Hosford. The dates are May 10, 11, & 12. Even though the deadline for registration is May 1, if you are interested, you may want to call the Dept. of Biology at Central Washington University, Ellensburg, 1-509-963-2731 and see if space is still available. Cost is \$80.75 (which includes meals and lodging).

THE FIFTH ANNUAL TELLURIDE WILD MUSHROOM Conference will be held August 22 - 25. For further information write to Fungophile, P.O. Box 5503, Denver, CO 80217.

HIMALAYAN MUSHROOM TOUR, Sept. 1 - 17, 1985. Information can be obtained from Fungophile, address above.

TENTH ANNUAL NORTHEASTERN MYCOLOGICAL FORAY Aug. 15 - 18, 1985 at State University of N.Y., Oneonta. Information can be obtained from P.O. Box 533, Merrick, N.Y. 11566.

ISSAQUAH ALPS TRAILS CLUB will hold history walks, guided tours, etc. on June 2, 1985 from 9 - 6. Call 328-0480 for directions.

MEMBER NEWS

Charter member and past president, George Rafanelli and his wife Jennie celebrated their 40th anniversary on April 21st. We wish George and Jennie many more happy returns and many more successful mushroom forays.

On March 23rd Marian and Scott Maxwell welcomed Brandon Scott into their family. They plan to make him a mushroomer.

It has been reported that Wendy Tokuda-Hall, daughter of recently deceased charter member, George Tokuda, slipped a Verpa bohemica into the coffin. Wendy is an avid mushroom hunter herself, and periodically slips away from her San Francisco television news anchor position and comes to Seattle to collect fungi.

Former PSMS member Jim Halverson (who moved to California) sent us a clipping from a San Diego newspaper, reporting the death of three men who died after eating Amanitas from the death cap' group, some of the most dangerous mushrooms. Jim also stated that none of his neighbors were (yet) throwing flame-throwers at their Marasmius oreades in their lawn.

WINE-POACHED CHICKEN IN MUSHROOMS

"fat - controlled recipe" from the Spokane Mushroom Club

2 chicken breasts, boned, skinned and halved
1/2 lb. mushrooms, sliced (about 2-1/2 cups)
1/2 tsp. tarragon
1/4 tsp. pepper
2 T. chopped parsley
3/4 cup dry white wine

Place chicken and mushrooms in large skillet. Sprinkle with salt, tarragon, pepper, and parsley. Pour wine over chicken. Cover and simmer 25 - 30 minutes until tender. Serve with sauce left in skillet. (153 calories/serving) Serves 4.

GEORGE T. TOKUDA 1913 - 1985

Charter Member George Tokuda died April 5 of cancer. He was an avid mushroom hunter. He served on the Board and always was willing to help further the cause of PSMS. Our sympathies go to his wife Tama and children.

PICKLED MUSHROOMS

Clean mushrooms and cut into pickle or bite size. Boil in salted water 15 - 20 minutes. Drain and pack into sterile pint jars containing 1 slice of onion, 1 clove or garlic, 1 small hot pepper, 1/2 teasp. mixed pickling spice, 1 teasp. oil. Pour boiling vinegar to fill. Clean rim of jar and seal.

The following mushrooms can be pickled: chanterelles; boletus edulis; agaricus sp., corals; Lactarius sp., young and firm Russula sp., Lyophyllum sp.

PSMS FINANCIAL REPORTS Ferris Anderson

PUGET SOUND MYCOLOGICAL SOCIETY STATEMENT OF FINANCIAL POSITION YEARS ENDED DECEMBER 31, 1982 THRU 1984

	1982	1983	1984
ASSETS			
Cash - Checking Account	\$16,657.85	\$ 4,770.00	\$ 6,885.39
- Money Market Account		15,000.00	16,212.92
- Restricted Account (Note 1)	<u>1,939.96</u>	<u>1,645.49</u>	<u>1,136.03</u>
Total Cash	\$18,597.81	\$21,415.49	\$24,234.34
Inventory - Books, Misc.	4,976.66	5,146.62	4,933.58
Equipment, Net of Depreciation	308.06	91.21	242.78
Mycological Library	991.77	998.97	998.97
Total Assets	<u>\$24,874.30</u>	<u>\$27,652.29</u>	<u>\$30,409.67</u>
LIABILITIES			
Accounts Payable	\$ 568.02	438.58	528.56
Equity - January 1	20,982.68	24,306.28	27,213.71
Gain (Loss) for Year	<u>3,323.60</u>	<u>2,907.43</u>	<u>2,667.40</u>
Equity - December 31	\$24,306.28	\$27,213.71	\$29,881.11
Total Liabilities and Equity	<u>\$24,874.30</u>	<u>\$27,652.29</u>	<u>\$30,409.67</u>

Note 1 - "Set aside" funds carried in separate savings account for educational or scientific purposes.

PUGET SOUND MYCOLOGICAL SOCIETY RESULTS OF OPERATION YEARS ENDED DECEMBER 31, 1982 THRU 1984

	1982	1983	1984
MEMBERSHIP			
Dues	\$ 4,953.00	\$ 4,861.50	\$ 6,451.45
Less: Membership Expenses	(760.63)	(1,407.05)	(1,366.95)
Rent	(971.00)	(859.00)	(2,509.93)
Spoor Prints	(2,238.06)	(2,657.35)	(2,858.63)
Field Trips	(81.41)	(103.67)	(221.67)
General Expense	<u>(1,123.50)</u>	<u>(516.87)</u>	<u>(459.96)</u>
Net	\$ (221.60)	\$ (682.44)	\$ (965.69)
EXHIBIT, CLASSES			
Receipts	\$ 5,474.27	\$ 3,709.50	\$ 4,540.85
Less: Expenses	<u>(3,678.86)</u>	<u>(2,518.03)</u>	<u>(4,669.32)</u>
Net	\$ 1,795.41	\$ 1,191.47	\$ (128.47)
BANQUET			
Receipts	\$ 2,615.43	\$ 2,220.00	\$ 2,325.00
Less: Expenses	<u>(2,889.21)</u>	<u>(2,068.99)</u>	<u>(2,715.42)</u>
Net	\$ (273.78)	\$ 151.01	\$ (390.42)
BOOKS AND MISC. SALES			
Receipts	\$ 6,043.90	\$ 5,596.22	\$ 6,690.57
Less: Cost of Sales	<u>(4,523.16)</u>	<u>(4,212.51)</u>	<u>(4,083.04)</u>
Net	\$ 1,520.74	\$ 1,383.71	\$ 2,607.53
OTHER INCOME			
Royalties	\$ 502.52	\$ 76.19	\$ 404.66
Interest	557.80	1,304.34	1,688.22
NET CASH GAIN (LOSS) FROM RECURRING OPERATIONS	\$ 3,881.09	\$ 3,424.28	\$ 3,215.83
OTHER INCOME OR EXPENSE			
Sale of Equipment			150.00
Donations, Scholarships	<u>(300.00)</u>	<u>(300.00)</u>	<u>(600.00)</u>
NET CASH GAIN (LOSS) DEPRECIATION EXPENSE	\$ 3,581.09	\$ 3,124.28	\$ 2,765.83
	<u>(257.49)</u>	<u>(216.85)</u>	<u>(98.43)</u>
NET GAIN (LOSS) FOR YEAR	\$ 3,323.60	\$ 2,907.43	\$ 2,667.40