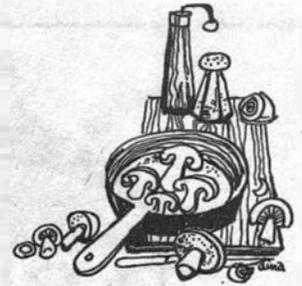




SPORE PRINTS



BULLETIN OF THE PUGET SOUND MYCOLOGICAL SOCIETY

200 Second Avenue North

Seattle, Washington 98109

JANUARY 1972

NUMBER 78

membership meetings

PHARMACOGNOSIST TO DISCUSS MUSHROOM POISONS JANUARY.

There are those among us who, upon being felled by a toxic mushroom, would regard the whole process with disgust, and vow never to touch that mushroom again with a ten-foot pole. Not so Dr. Robert E. Benedict, Research Associate Professor in Pharmacognosy at the University of Washington, who collects hundreds of pounds annually of selected *Amanitas*, *Gymnopilus spectabilis*, *Paxillus atrotomentosus* and such gut-busters for the sole purpose of extracting their vital juices and studying them. Some of the results of his studies will be shared with PSMS members at the January Meeting, Monday, January 10, 8 p m, Eames Theatre.

*L*P*S MEMBERS WILL SHOW ALPINE LAKES PROPOSAL . . .

The February Membership Meeting will see a slide & sound presentation by the Alpine Lakes Protection Society, depicting a unique asset of the Pacific Northwest, the alpine lakes area of the Washington Cascades. Society Officers Don Baldwin and Ron Arnold will explain the need to protect this fragile natural area from exploitation and destruction. A proposal to create a National Recreation Area with an Alpine Lakes Wilderness Area at its core is the subject of legislation now before Congress.

Save the date: Monday, February 14, 8 p m, Eames Theatre, Pacific Science Center.



1972 PUGET SOUND MYCOLOGICAL SOCIETY ELECTION TO HAVE FAR-REACHING CONSEQUENCES: ALL RASCALS TO BE TURNED OUT

Come March, PSMS members will be voting on a slate of officers and trustees that will be largely strangers to most of them. As a result of new By-Laws adopted at the June 1971 Meeting, officers and trustees will be limited to two full terms in any one position, unless he or she runs for a higher-ranking position. As defined in the By-Laws, the ranking proceeds upward from Trustee to Secretary, Treasurer, Vice President, President and Immediate Past President, following which, we presume, it would be okay to run for Trustee again. Many of the present Board will not qualify to run again. Therefore there will be many new faces, which is the reason for the By-Law. How can you vote for someone you don't know? Our advice is -- Don't. Nominate yourself and your wife and your brother-in-law and your friends. It's a lot more fun than you've been led to think, otherwise why have the same people hung on to their offices year after year? You get the latest on where the mushrooms are growing, and that's not all.

The By-Laws vests in the Board (Officers and Trustees) total power in the management of the affairs of PSMS. All activities and policies are established by the Board. This balance of responsibility and authority is largely responsible for the success of PSMS. The members are spared from dry, dragged-out business meetings, and the Board is confronted with challenge and meaningful decision-making. Our only danger has been the concentration of power in the hands of a few persons and the exclusion of new ideas. The new election rules will hopefully remedy that.

The Election Committee consists of Jim Bennett, Chairman, SU 4-6236, George Rafanelli, Dorothy Viers, Thelma Larson, Ron Brougham, Fred Luther and Evan Jones. Their job will be to canvass the membership to obtain nominations for the various positions. You can make their work much lighter by calling one of them and submitting your own name or that of a friend. Nominations will be received at the January and February Meetings, as well as any time in between. The only rule is that you must have permission of the person named.

In order to bridge the gap between the membership and the nominees, all candidates will be asked to submit a drugstore-size snapshot of himself (herself) together with a not-to-exceed 50 words bio sketch. We will run these either in the Bulletin or in a special ballot attachment, whichever works out with the Election schedule.



SPORE PRINTS is published monthly excepting July and August by the PUGET SOUND MYCOLOGICAL SOCIETY, c/o The Pacific Science Center, 200 - 2nd Ave N, Seattle, Washington 98109. *** CONNIE CALVERT, Editor until June by which time I will expect some one of you who's always had a sneaking wish to be an Editor will have shyly crept up and offered to join me for an issue or two to learn the trade. First Offering.

OFFICERS Robert W. Ramsey President
Howard C. Melsen Vice Pres
Freda L. Paice Secretary
Fred R. Wasson Treasurer

TRUSTEES Milton L. Grout, Fay Melsen, Ann Levanavich, Harley Perkins, June Perkins, Georgia Ramsey, Isabelle Swaffield, Helen M. Wasson, Caroline Weber, Benjamin Woo and Morrill A. Gatcomb (Immediate Past President).

SCIENTIFIC ADVISOR Dr. Daniel E. Stuntz

C A L E N D A R

JANUARY 10	Monday	8:00	Membership Meeting
24	Monday	8:00	Board Meeting
FEBRUARY 14	Monday	8:00	Membership Meeting
21	Monday	8:00	Board Meeting
MARCH 17	Friday	6:30	8th Annual Banquet (No regular membership meeting in March)

FROM PACIFIC SEARCH MATERIAL ON MUSHROOMS

If you don't already have these - write Pacific Search, 200 - 2nd Ave N, Seattle, Wa 98109. For future material, subscribe at \$4.00 per year.

Key to Northwest Amanitas	Offprint \$.16
In these issues for \$.53 each copy:	
Jan 71	Key to Puffballs and Earthstars
Feb 71	Short article on Clavaria
Mar 71	Key to Chanterelles
May 71	Short article on Boletus zelleri
Sep 71	Key to NW species of Lactarius
Oct 71	Article on Stropharia rugoso-annulata



JOY SPURR REVEALS HER SECRET FOR PHOTOGRAPHIC SUCCESS: A BOOK BY LARRY MCKINNIS

Have you read thousands of pages in photo books and still come up with punk pictures? You need ABC's of Photography, which has everything -- except a mushroom -- for the amateur photographer.

Larry McKinnis, a Seattle photographer, has authored a 63-page book which is chock-full of how-to-do-its on practically every subject imaginable. Arranged by subject, he tells you that in airplanes, "my usual high altitude exposure is 1/100th, f/11 of f/16, ASA 25. Night scenes, floodlighted buildings bright, shoot 1 to 3 seconds; pastel, shoot 5 to 10 seconds." Rain, stay dry and warm inside and shoot through the window ... dramatic shots! (And where else can we find more rain than in Seattle?) Want to shoot Christmas trees, clouds, fog, patterns, mountains, moon, snow, stained glass, trees or waves? How is here.

But the book contains more than written facts ... each of the 156 photos is a study in composition, lighting, division of space, pattern and texture. Learn by seeing.

ABC's of Photography in a gift box costs \$5.77 including postage and sales tax. Mail order and check to Larry McKinnis, Suite 1816, 500 Wall Street, Seattle, Wa 98121.

"Get a dramatic foreground, point of interest and side lighting and you've got it made! Honest!" And we'll ask Larry to include a mushroom in his next book.

- Joy Spurr



PRESIDENT BOB RAMSEY WILL ADDRESS MOUNTAINEER'S GROUP

Man of many talents, PSMS President Bob Ramsey will discuss "The Family Tree of Plants", a layman's introduction to plant taxonomy, at a meeting of the Botany Group of the Mountaineers Club, Wednesday, January 5th, 7:30 pm, at the Mountaineers Clubroom, 719 1/2 Pike Street. PSMS members are invited by Botany Group Chairman Lillian Titland, who also indicates the presence of an establishment purveying alcoholic beverages in the lower floor of the building for those who find taxonomy a dry subject.

GROWING 'EM...

FARM JOURNAL

Hungary cultivates on wood five genera of mushrooms, being particularly successful with Pleurotus ostreatus on poplar, beech, hornbeam, Turkey oak, walnut. Others are Lentinus edodes (we know as Japanese shiitake), Pholiota, Collybia, Agrocybe. Article says "mainly firewood parts of the tree are used...". Not wishing to offend anyone, but have you considered that all that dry wood you've been burning on field trips might produce more, wet, in the back yard? You need a pit 3 to 5 feet wide, 4 to 5 feet deep. If it is 40 feet long it will take 10 tons of wood. Onwards!

—Extract of article in June/July 1969 issue of The Mycophile, by Dr. Ede Vessey of Budapest, who with his collaborator Mr. Erno Toth has had success with these experiments.

The Last Whole Earth Catalog, Edited by Stewart Brand. Portola Institute; Random House. 448 pages. Paper-bound. \$5.00.

One learns with some sadness that this is indeed the LAST Whole Earth Catalog, for there are many among us who never could quite figure out the FIRST Catalog, published in 1968, or any of the other 14 in between. For the information of the uninitiated, Editor Brand conceived the idea of the Catalog during a period of reflection on the "How To" problem of friends who leaned toward an alternative culture -- where to buy a windmill, how to milk a goat, where to pan for gold, how to plant corn. He concluded that it would be a useful service to collect this kind of information and make it available to those who wanted it -- and people did want it, as the editor quickly learned. "Uncle Ben," who is a columnist for the Detroit Free Press, received a letter from a reader asking how to start a farm and answered it by giving the name and address of the Catalog. The response was immediate and overwhelming, and the Catalog was well on its way to becoming a solid financial success. And now its creator has killed it in order to be free for other ventures, in the hope that someone else will take up the work of the Catalog.

The last Catalog is sub-titled "Access to Tools" and includes tools for such disparate activities as carpentry, scuba diving, celestial navigation, churning butter and building furniture. Many of the tools are books, a dozen of which have been reviewed in these pages, and recommended periodicals include Audubon, which Mr. Brand calls "the strongest ecological call-to-arms we've got."

A contemporary folktale, a feature of the right-hand pages of the Catalog, may prove offensive to some readers for its use of four-letter words -- but it offers a chance to experience the "now" literature as a sampler rather than a complete book. And it can be easily skipped if the reader prefers, for the Catalog is no poorer without it.

CONSERVATION NOTE FROM GERMANY, CIRCA 1918, PASSED TO US BY LOIS OHLSON FROM A NEIGHBOR SINCE DECEASED:

"There were mushroom licenses for a nominal fee. Any amount of mushrooms could be picked by cutting, BUT pulling mushrooms carried a severe penalty."



Close family ties characterize this tasty creamy-tan mushroom that may sometimes be found in clusters of a hundred or more. Late to fruit, it may often be found after a winter snowfall, still standing but frozen stiff. The moist beige to mucilage-tan caps look waxy to some, but feel like soap. The cap edges are inclined to curve inward, and are often distorted by crowding. The white spore dust may be seen on underlying caps. Because this good edible species is the "white sheep" of a rather notorious group, check its spore color, gill attachment and grown habits carefully before including in your luncheon menu. The very similar (and toxic) *Entoloma sinuatum* has a pink spore deposit.

ANSWER: *Lycophyllum (Clitocybe) multiceps*. Fried
Chicken Mushroom". McKenny/Stuntz - P. 68

BOARD NOTES

FREDA PAICE, SECRETARY

In the absence of President Bob Ramsey, who is vacationing in the south, Howard Melsen conducted the festivities, replete with goodies by Helen Wasson and Belle Swaffield. Fewer than 250 copies of the Society's cookbook remain out of the original printing of 4,000. Decision to reprint will be postponed to January meeting. Board approved reimbursement to Paul Nestell of \$432 miscellaneous expenses and mileage. Board voted to account-for and pay expenses in the future on an individual trip basis rather than accumulation for a season or year. Nomination and Election Committee selected, headed by Jim Bennett. Planning Committee will be headed by immediate Past President on a formal basis. Banquet will be held March 17, Norway Center, catering by Ruby Chow, with capacity of 600. It was agreed that members not attending dinner were not precluded from attending the after-dinner business meeting and program.



MYCOLOGICAL GLOSSARY (Cont.)

RUSSULA - Latin for reddish
alutacea - leathery tan
decolorans - discoloring
delica - meaning pleasing, not delicate
emetica - causing vomiting
foetans - foetid or evil-smelling
mariae - named after wife, Mary, by Dr. Peck
nigricans - becoming black
virescens - becoming green, greenish
SCHIZOPHYLUM - split leaf (referring to split edge of gills)
commune - common
STROPHARIA - a sword belt (referring to the annulus)
ambigua - doubtful
coronilla - a small crown
TRICHOLOMA - From Thrix, a hair and Loma, a fringe
equestre - a horseman
imbricatum - shingled (overlapping scales)
personatum - masked (hidden violet tones)
venenata - poisoned or envenomed
TROGIA - after Trog, a Swiss botanist
crispa - brittle
VOLVARIA - from the Latin, Volva, a wrapper
bombycina - silky
speciosa - showy

GLOSSARY - Non-gilled fungi

The non-gilled fungi proved much more difficult than the agarics. The meaning of some of the really old names like Boletus and Hydnum have been almost lost with time and the names may have originally been applied to another type of mushroom. Most of these are genus names and one of these - Leotia - apparently has no translation. The species names are more modern and more easily decipherable.

ALEURIA - flour (probably referring to puff of spores)
aurantia - orange-colored
ASTRAEUS - star
hygrometricus - like a hygrometer (opens when wet)
BOLETELLUS - small bolete
mirabilis - wonderful
BOLETUS - Greek and Roman for mushroom, that is, for any fleshy fungi
eastwoodiae - after botanist, Alice Eastwood
edulis - edible
erythropus - red-footed
regius - royal
satanas - satanic (for the red tube-mouths)
scaber - rough
CALVATIA - bald head
craniformis - skull shaped
cyathiformis - cup shaped
gigantea - giant
subsculpta - slightly carved
GLAVARIA - a club
aurea - golden
botrytis - like a bunch of grapes
cinerea - ashen
cristata - crested
flava - yellow
formosa - beautiful
pistillaris - pestle-shaped
stricta - straight
vermicularis - worm-shaped
CORDYCEPS - heart-shaped head
militaris - military
CRATERELLUS - little cup
cornucopoides - resembling a horn of plenty

CRUCIBULUM - crucible
levis - light or smooth
vulgare - common
CYATHUS - a cup
stercoreus - dung colored
striatus - furrowed
DAEDALIA - labyrinth (of elongated pores)
quercina - of oak
DENTINUM - toothed (see Hydnum)
DICTYOPHORA - bearing a net
duplicata - doubled
FISTULINA - a small tube (pores)
hepatica - like liver
FOMES - Latin for punk or tinder (an early use)
conchatus - shell shaped
fomentarius - same as Fomes
igniarius - fire
pinicola - dwelling with pine
scutellatus - shield shaped
GANODERMA - varnished skin
applantum - flat
GEASTRUM - earth star
coronatum - like a crown
fimbriatum - fringed
pectinatum - like a comb (ridges on mouth of spore sac)
GEOGLOSSUM - earth tongue
fallax - sickle shaped
rufum - reddish
GYROMITRA - twisted turban (see Helvella)
HERICEUM - hedgehog
caput-medusae - "Medusa's head"
caput-ursi - "bear's head"
coralloides - coral-like
erinaeum - another form meaning hedgehog
HYDNUM - a Greek word for fungus (probably non-gilled)
imbricatum - shingled
repandum - wavy edged
umbilicatum - navel or depression (in some caps)
LEOTIA - (evidently not known)
lubrica - slippery

All the foregoing sets of definitions courtesy the Mycological Society of San Francisco. We have another list alphabetical only from A. Pilat which we may have room for if you're finding this one useful.

