

LAKELAND MYCOLOGY CLUB



NEWSLETTER

CLUB TO MEET AUGIAN

The August meeting of the Lakeland Mycology Club will not be held at the Mahlon Dickerson Reservation as had been originally planned. The meeting will be held instead at the Lewis Morris County Park (between Mendham and Morristown) on August 141 at 10:00 A.M. The directions are outlined on page III. We will neet at the second parking lot on the left (see Map). In case of heavy rain, the meeting will be postponed until August 21.

The original plans to meet at the Mahlon Dicherson Reservation were cancelled because upon visiting the park to verity our proposed meeting point, the entire park area was found to be in what can only be described as a complete state of disaster. The trees had been completely denuded of leaves and the air was filled with Gypsy Moths. The diseased condition of this potentially beautiful oak-forested park was very depressing.

was very depressing.
We might consider rescheduling a fall meeting here after
the first frost.

In checking the Lewis Morris County Park, no moth intestation existed.

The park has abundant picnicking facilities and many well marked nature trails. In making a cursory check for fungi along part of the trail, an amazing and unbelieveable find

was made. Polypilus Frondros (Hen of the woods) — two large round masses were discovered — one weighing nine pounds; the other 13 pounds and about 20 inches in diameter. This is well illustrated in "The Mush-room Hunters Field Guide" by Alexander H. Smith. To validate this Fish "story, several photos were taken and should be available at our next meeting. With luck we may have another live specimen waiting for us when we search the trail in August. By the way this mushroom is edible but unfortunately in this case it was too tough.

RECAP OF JULY MEETING AT THE SILAS CONDICT PARK

There was a fair turnout at our last meeting — including a photographer from the Daily Record."
When our last publicity notice was called in, Ginny Potter of the Record, expressed interest in doing a feature article on the "Lakeland Mycology Club" and its activities. The article appeared in the July 23 th edition, titled "MUSHROOMS", and took up the better part of a full page. The article was very well written and nicely illustrated. Being a small newly formed club, we can all take some pride in that our group and its activities were considered interesting enough to merit the publicity devoted to us by the "Daily Record." (Ginny was thanked) As evacested in the last Newsletter

"As suggested in the last Newsletter a discussion period was held prior to starting the mushroom "hunt"

The Following subjects were discussed:

ORGANIZATION: Fred Volkenborn

Volunteered to act as temporary

Treasurer until Formal elections

can be held in the Fall. Ed
Bosman will continue to act
as Vice President-Secretary
also until Formal elections can
be held in the Fall. At that
time, when Hiram Korn is
back with us, a full slate can
be drawn up.

MEMBERSHIP DUES: It was decided that each member would contribute one dollar to the club treasury to cover immediate expenses, and at some later date, when a better idea of the scope of our activities and general expenses are moun, the dues necessary to support the club will be announced. All members are requested to submit their one dollar contribution to our Treasurer. Fred Volkenborn, at our next meeting or mail it to:

FRED VOLKENBORN
38 KADEL DRIVE
MT. ARLINGTON, N.J.
Those members who made

their contribution at the last meeting will Find a receipt enclosed with the Newsletter.

GENERAL CLUB INTEREST

Adele Sieminski brought in a newspaper clipping From the New York Times concerning an antitoxin that has been used effectively in treating victims of mushroom poisoning by the deadly Amanita. Copiesof the article will be available at our next meeting.

Geraldine Thde brought in some spore print samples she had made (Probably of the genus Panazolus) which were black on awhite paper background.

very useful in identifying

mushrooms, but as demonstrated in this case, they can also make a very interesting collection. It the proper background color is picked, a contrasting pattern of prints can be made from spores that range in color from pastel pinks, yellows, violets and greens to the darker shades of browns and blacks. To prevent smudging, as unfortunately happened to Geraldine's samples, a clear plastic spray should be used which is carried by most Art Stores.

Jean Tippy had a dried sample of the Giant Puffball (Gluatia Gigantea) which she passed around. The size of the dried sample gives some idea of the colossal size these mushrooms grow to. No one should have any difficulty in recognizing this mushroom if they find it on their lawn — and its very edible

MUSHROOM HUNT RESULTS

The results of the mushroom hunt after the discussion period were disappointing due mainly to the exceptionally dry weather experienced in the area. The few fungi found were generally shrivelled or decomposing.

Two species of the genus
Russula were identified (both
edible). Russula Mariae (Marys
Russula) and Russula virescens
(Green Russula).

COOKOUT ??

Some interest in having a cookout after the mushroom hum was expressed by members at our last meeting. Charcoal and starting fluid will be available. Any members interested need only bring

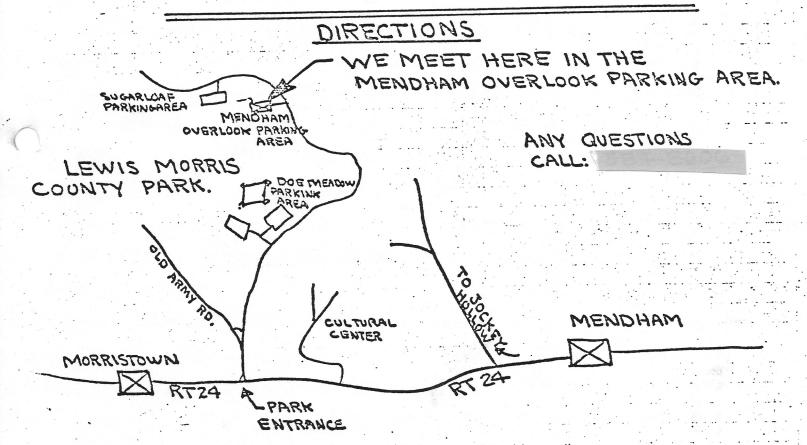
their hotdogs, hamburgers, etc., which they can cook at the park. Last meeting most members brought along a picnic lunch.

GOOD ADVICE TO MYCOPHAGISTS (MUSHRCOM EATERS)

Quote From Professor

Morten Lange ... "To minimize possible upsets, one
should not at first consume a
large quantity of a previously

untried species, of edible Fungus, even it its harmlessness is assured by other people From their own personal experience a Tew people exhibit varying degrees of allergy towards one or more - Quote From Professor species."-Alexander Smith ... "Eat only one kind atatime so that it any disticulty should develop, the cause is known.... "Eat only young specimens Free From insect larvae (worms) ... "Cook specimens well ... "Eat only a small amount when testing a species you have not tried before: "Do not overindulge under any circumstances."



HEAVY RAIN DATE AUG 215T.

MEETING SATURDAY 10 AM AUG 14 14 AT THE LEWIS MORRIS COUNTY PARK.

(8,7)

BRING YOUR FIELD BOOKS, BASKETS, & LUNCH

A MYCOLOGICAL BIBLIOGRAPHY

BASIC

Shuttleworth & Zim, <u>Non-flowering Plants</u>, Golden Press, 1967 Miller & Miller, <u>Mushrooms in Color</u>, Dutton, 1981 Bigelow, <u>Mushroom Pocket Field Guide</u>, Macmillan, 1974

INTERMEDIATE

McIlvaine, One Thousand American Fungi, Dover, 1973, (original-1902)
Krieger, The Mushroom Handbook, Dover, 1967, (original-1936)
Graham, Mushrooms of the Great Lakes Region, Dover, 1970, (orig.-1944)
Miller, Mushrooms of North America, Dutton, 1973
Smith & Weber, The Mushroom Hunter's Field Guide, U. Mich. Press, 1980
Lincoff, Audubon Society Field Guide to North American Mushrooms, Knopf,
1981

ADVANCED

Monographs of various Genera are available from:
Dover Publications, Inc., 180 Varick Street, N. Y., NY 10014
Lubrecht & Cramer, RFD 1, Box 227, Monticello, NY 12701
Write for mycological catalog.

LEARNING TOOLS

Largent, editor, <u>How to Identify Mushrooms to Genus</u> series Mad River Press, 1977

I. Macroscopic features

II. Field Identification of Genera

III. Microscopic Features

IV. Keys to Families & Genera

Smith, Smith & Weber, How to Know the Gilled Mushrooms, Brown, 1979
Smith, Smith & Weber, How to Know the Non-gilled Mushrooms, Brown, 1981
Farr, How to Know the True Slime Molds, Brown, 1981
Miller & Farr, An Index of the Common Fungi of North America (Synonymy and Common Names), Cramer, 1975

Shaffer, Keys to Genera of Higher Fungi, Edition 2, U. of Mich., 1968

OF SPECIAL INTEREST

History

Rolfe & Rolfe, The Romance of the Fungus World, Dover, 1974, (orig.-1925)
Rogers, A Brief History of Mycology in North America, MSA, 1981

Crafts

Rice & Beebee, Mushrooms for Color, Mad River Press, 1980

Photography

Angel, Photographing Nature-Fungi, Fountain Press, 1975

Toxicology

Lincoff & Mitchel, <u>Toxic & Hallucinogenic Mushroom Poisoning</u>, Van Nostrand Reinhold, 1977

Mycophagy

Grigson, The Mushroom Feast, Knopf, 1975
NJMA, The Mycophagist's Corner, NJMA, 1978
Marteka, Mushrooms, Wild and Edible, W. W. Norton, 1980

Many of the books listed above are available to NJMA members at a discount through the NJMA book committee. Contact the Chairman: Jim Richards. Also, most of these books can be borrowed from the NJMA library. Contact our librarians, Bruce or Janice Van Sant.

MAMA FORAY GUIDE

- 1. Unless otherwise noted in the newsletter, we will meet at the designated Foray area at 10:00 a.m. Groups will be formed and started by 10:15 a.m.
- 2. Forays will be held Rain or Shine and may be on rough trails or through woods. Dress accordingly. Hiking shoes & mosquito repellent are recommended. Bring a picnic lunch.

3. The Foray Leader is responsible for the conduct of the Foray and the cooperation of members and guests is expected. It is the responsibility of each mushroom hunter to remain with the group.

- 4. Collection: Paper bags or waxed paper, a knife and a basket are essential. DO NOT USE PLASTIC BAGS OR PLASTIC WRAP. It induces premature spoilage. When collecting for identification, try to get specimens of the same species in various stages of development. Disregard old and rotting specimens. Use a knife to dig up the entire specimen, including those parts below the surface of the substrate. Do not mix different species in the same bag.
- 5. Specimens belong solely to the finder. However-when mushrooms of particular interest are located, please allow others to examine and photograph them in situ. Disposition of the specimen is the prerogative of the owner, but cooperation with the Taxonomy Group in building the club herbarium is urged for the benefit of the entire membership.
- 6. Forays will continue until approximately 12:30 p.m. at which time a lunch break will be taken at a picnic area designated by the Foray leader.
- 7. <u>Identification</u>: After lunch, two tables will be set aside for the sorting, identification and display of fungi collected. Members are invited to place any specimens collected during the Foray on the <u>Sorting Table</u>. Plates and collection forms will be available. Identified specimens will then be moved to the <u>Display Table</u> for general examination.
- 8. Members are encouraged to bring friends who may be interested in our programs to any club function.
- 9. Collectors are urged to use good conservation practices and to endeavor to leave foray areas as undisturbed as possible. If fungi populations are repeatedly decimated by over-zealous collectors, future years will see decreases in the size and variety of the fungi flora of the area. Please think ahead:
- 10. Suggestions are welcome. Please advise the Foray leader or any club officer.
- 11. WARNING: Never eat anything which has not been positively identified, and known to be edible. Poisonous mushrooms can be fatal. While Foray leaders and others may aid in classification, neither the Association nor the individual members are responsible for the identification of any fungus.

KEY	TO WHITE SPORED GILLED MUSHROOMS (Lincoff)	,
	Fungus putrescent (soon decaying) Fungus not putrescent	2 11
2. 2.	Fungus with an annulus Fungus without an annulus	3 5
	Gills free Gills attached	4 ARMILLARIA
	Annulus attached; volva present or stipe bulbous Annulus often free (moveable); volva absent	AMANITA LEPIOTA
5.	Gills waxy; fungus waxy/gelatinous, small, colorful Gills not waxy; pileus somewhat waxy, pink or purplish Gills not waxy; fungus not waxy	HYGROPHORUS LACCARIA 6
6.	Both pileus & stipe brittle (chalklike) Stipe only brittle (cartilaginous) Pileus & stipe pliant, not brittle	7 8 9
	Fungus exudes milky or colored juice when cut Fungus does not exude milk or juice	LACTARIUS RUSSULA
8.	Cap margin inrolled at 1st; cap medium (2"-6" across) expanding Cap margin straight; caps small, conic-bell shaped, not expanding	COLLYBIA MYCENA
9. 9.	Gills decurrent Gills notched, often showing a "race track" around stipe	10 TRICHOLOMA
10. 10.	Gill edge blunt Gill edge thin Pileus umbilicate Stipe eccentric	CANTHARELLUS CLITOCYBE OMPHALIA PLEUROTUS
	Stipe rubbery, central; pileus similar to Mycena & Collybia Pileus leathery, stipe eccentric, on wood	MARASMIUS 12
12. 12.	Gill edge split Gill edge serrate Gill edge crisped Gill edge even Fungus woody, Daedalea-like (not truly gilled)	SCHIZOPHYLLUM LENTINUS TROGIA PANUS LENZITES
	NOTE: WHITE SPORED GENERA can have nextingle species with all-white to beintly on	land impeni

NOTE: WHITE SPORED GENERA can have particular species with off-white to brightly colored spores, e.g., spores pale yellow to ochre: Cantharellus cibarius & species of Russula; spores salmon:
Tricholoma personatum; spores lilac: Pleunotus sapidus & Laccaria ochropurpurea; spores green:
Lepiota margani (Chlorophyllum molybdites)......Also, white spored species can have deceptively colored gills, e.g., gills yellow: Amanita caesarea; gills orange: Mycena leaiana; gills pinkish:
Collybia acervata; gills nosy to violet: Mycena pura; gills blue: Lactarius indigo; gills brownish: Marasmius cohaerens...

KEY	TO MAJOR GENERA OF PINK TO SALMON SPORED GILLED MUSHROOMS (Lincoff)		
1.	Stipe eccentric or absent; Pleurotus-like, on wood Stipe central	CLAUDOPUS 2	(
2.	Distinct volva present at base of stipe Volva absent	· VOLVARIA	-
	Gills free; spores not angular Gills attached	PLUTEUS 4	
	Gills decurrent; spores not angular Gills not decurrent (except for ECCILIA); spores angular	CLITOPILU: ENTOLOMA	s

	TO MAJOR GENERA OF BROWN TO BLACK SPORED GILLED MUSHROOMS (Lincoff)	
	Stipe eccentric or absent; Pleurotus-like, on wood Stipe central	CREPIDOTUS 2
	Gills dissolving into black liquid Gills not dissolving	COPRINUS 3
	Pileus dunce-cap-like, gills cinnamon; fragile, on grass Not as above	CONOCYBE 4
4.	Gills separable from pileus; boletus-like Not as above	PAXILLUS 5
5. 5.	Annulus persistent Annulus fugacious, leaving zone on stipe or absent	6 9
	Gills free	AGARICUS 7
7. 7.	Spore print purple-brown Spore print yellow-brown to dark brown	STROPHARIA
8.	Sproes smooth Spores roughened, warty, with plage	PHOLICTA GALERINA
		10
10.	Spores black to purple-black; color unchanged in H ₂ SO ₄ Spores purple-brown; stipe staining blue in some species	PANAEOLUS PSILOCYBE
11.	Fungi like PANAEOLUS/PSILOCYBE; spores purple-brown Not as above; terrestrial	12 13
12. 12.	Spores discolor in H ₂ SO ₄ ; Cap cuticle cellular Cap cuticle filamentous; Cespitose on wood	PSATHYRELLA NAEMATOLOMA
13. 13. 13.	Spores yellow-brown; pileus with radial fiber-like hairs Spores clay-brown; pileus viscid Spores cinnamon or rusty-brown; when young cortina visible	INOCYBE HEBELOMA CORTINARIUS

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Club-like fungi
              Club-like fungi
Coral fungi
Jelly fungi
Cup fungi
Cup fungi
Morels and their allies
Chanterelles and their allies
Tooth fungi
Shelf fungi: polypores, etc.
Pore fungi with central stalks: boletes, etc.
Stomach fungi
a. Puffballs
b. Earthstars
a. Bird's nest fondi
                          c. Bird's nest fungi
d. Stinkhorns
   I. CLUB-LIKE FUNGI

    Fruit body soft, attached to underground insects or 'tubers'
    Fruit body soft, club- or worm-like (see Coral fungi)
    Fruit body soft to firm, spoon-like or with fan-like top
    Fruit body soft, slimy, with cap
    Fruit body hard, first gray, then black, stubby finger-like

                                                                                                                                                                                                                                CORDYCEPS
                                                                                                                                                                                                                                CLAVARIA
                                                                                                                                                                                                                                GEOGLOSSUM, etc.
 II. CORAL FUNGI
                                 Fruit body soft, worm-like or club-line, usually unbranched Fruit body soft, thick-branched Fruit body solimy to hard, yellow (see Jelly fungi) Fruit body tough, dense, white (see Jelly fungi) Fruit body soft, ruff- or cauliflower-like, cream, large
                                                                                                                                                                                                                                RAMARIA
                                                                                                                                                                                                                                CALOCERA
TREMELLODENDRON
                                                                                                                                                                                                                                SPARASSIS
III. JELLY FUNGI

    Fruit body ear-like, brown, on wood
    Fruit body brain-like (wavy or folded) small to large
    Pruit body gelatinous, small, orbicular
    Fruit body gelatinous, translucent, with toothlike spines

                                                                                                                                                                                                                                AURICULARIA
                                                                                                                                                                                                                                 TREMELLA
                                                                                                                                                                                                                                DACROMYCES
PSEUDOHYDNUM
  IV. CUP FUNGI
                                   Small, on ground, reddish-orange
Small to medium, on ground or wood, colorful to brown
Small, cup-like, with jelly layer
Cup flattened, veined, brown, white beneath, not gelatinous
                                                                                                                                                                                                                                 ALEURIA
                                                                                                                                                                                                                                 PEZIZA
                                                                                                                                                                                                                                 BULGARIA
     V. MORELS AND THEIR ALLIES
                                      Sponge-like cap attached to stem at cap base or midway to apex
Sponge-like cap (smooth or wrinkles) attached at apex of cap only VERPA
Cap saddle-like
Cap brain-like

MORCHE
HELVEI
GYROMI
                                                                                                                                                                                                                                 MORCHELLA
                                                                                                                                                                                                                                  GYROMITRA
  VI. CHANTERELLES AND THEIR ALLIES
                                      Hymenium (layer producing spores) gill-like
Hymenium vein-like
Hymenium smooth to fold-like
Hymenium anastomosing (branching irregularly) (see Boletes)
                                                                                                                                                                                                                                 CANTHARELLUS
                                                                                                                                                                                                                                  GOMPHUS
CRATERELLUS
                                                                                                                                                                                                                                  GYRODON
   VII. TOOTH FUNGI
                                     With stalk; spores white (e.g. repandum)
With stalk; spores brown (e.g. imbricatum)
Soft, stalkless, on wood; mass of hanging spines
(e.g. coralloides)
Hard, stalkless, on wood; mass of hanging spines
(e.g. I. lacteus)
Large, hard, stalkless, shelving layers on wood
(e.g. septentrionale)
Small, woody, shelf fungus with violaceus teeth
(P. pergamenus)
Fruit body gelatinous, translucent, with toothlike spines
                                                                                                                                                                                                                                  DENTINUM
                                                                                                                                                                                                                                  HERICUM
                                                                                                                                                                                                                                  STECCHERINUM
                                                                                                                                                                                                                                  POLYPORUS
                                                                                                                                                                                                                                   PSEUDOHYDNUM
 VIII. SHELF FUNGI
                                       With pores, one layer only (annual); woody or fleshy With pores, new layer each year (perennial); woody With pores, perennial; surface of pileus varnished; woody Hymenium lamellate (gill-like) but woody Hymenium with large angular pores, hexagonal; soon woody Fileus viscid, context red-veined, fleshy (meat-like) Large, hard, stalkless, shelving layers on wood Hymenium smooth, without pores; shelves leathery or parchment-like
                                                                                                                                                                                                                                   POLYPORUS
                                                                                                                                                                                                                                    FOMES
                                                                                                                                                                                                                                   CANODERMA
                                                                                                                                                                                                                                   DAEDALEA
LENZITES
                                                                                                                                                                                                                                    FAVOLUS
                                                                                                                                                                                                                                  FISTULINA
STECCHERINUM
                                                                                                                                                                                                                                   STEREUM
                                         parchment-like
       IX. PORE FUNGI WITH CENTRAL STALKS
                                                                                                                                                                                                                                   POLYPORUS
                                     Fleshy; cap floccose (pine cone-like)
Fleshy; pores like anastomosing gills, inseparable from cap
Fleshy; tubes separable from cap
                                                                                                                                                                                                                                    STROBILOMYCES
                                                                                                                                                                                                                                    BOLETINUS
                                                                                                                                                                                                                                    BOLETUS
          X. STOMACH FUNGI
                                       Globose or turbinate, 3-12+" across; fragmenting at maturity CALVATIA Globose or pyriforme, \( \frac{1}{2} - 3 \)" across; sporing through apical hole LYCOPERDON Globose, \( \frac{1}{2} \)" across; tough skinned; sporing through apical crack SCLERODERMA Earthstars; with stellate base Bird's nest fungi; with "eggs" in "nests" CYATHUS & CRUCT Stinkhorn: orange/red gleba (head) MUTINUS Stinkhorn: green gleba PHALLUS Stinkhorn: green gleba, with fishnet on stalk DICTYOPHORA
                                                                                                                                                                                                                           ASTRAEUS & GEASTER
CYATHUS & CRUCIBULUM
MUTINUS
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NOTE: Key prepared by Mr. Gary Lincoff

MYCOLOGY - THE STUDY OF FUNGI

What is a mushroom? In scientific nomenclature, the mushroom is a fungus and belongs in the Microbial Kingdom of Fungi which includes yeasts and molds. Approximately 300,000 species exist of which roughly 10% are the larger fleshy fungi or mushrooms.

Unlike the green Plant Kingdom, fungi have no roots, flowers, seeds, or leaves and contain no chlorophyll. Therefore they cannot use sunlight to convert carbon dioxide to food (photosynthesis) and must rely on food material produced by other plants and/or animals. The vegetative part of the fungus is usually microscopic threadlike or filamentous cells called hyphae. In mass they are called mycelium or spawn and occur underground or in wood.

The familiar mushroom or toadstool is actually the fruiting body of the fungus. Its sole purpose is to produce spores thereby insuring the continuation of the species.

Spores are the seed equivalent of a plant but contain no nutrient and usually consist of one cell. The size is so small (4-10 microns) that a 3 inch cap will release 1.8 billion spores. Taking a spore print and observing the color is one of the aids in general identification.

Why a mushroom exists. Nature's method of balancing the ecosystem is to provide the decomposers of organic matter produced by plants and animals. Thus complex organic structures are reduced to simple inorganic elements available to be reutilized. Fungi, lacking in chlorophyll and living on organic matter, are <u>nature's recycling agents</u>. Three types exist.

Saprophytes - Live on dead organic matter.

Parasites - Invade and may kill living plants.

Mycorrhizae - Form mutually beneficial relationship on roots of trees, each supplying the other with nutrients.

If we are collecting fungi for food, knowledge of the fungus' purpose enables us to determine the habitat and more readily find and identify desirable edibles. Examples:

Saprophytes - Agaricus campestris on decaying grasses.
Pleurotus ostreatus on dead wood.

Parasites - Armillariella mellea, the well known stump mushroom.

Mycorrhizae - Boletes, Amanitas, Russulas, Lactarius.

Some specific relationships are:

Gyrodon merulioides - ash

Suillus grevillei - larch

Suillus americanus, S. pictus, S. granulatus - white pine

MYCOPHAGY - THE EATING OF FUNGI

Fungi are valued as a food by knowing individuals since they have discovered that the tastes of fungi are frequently unique with no equivalent among other food flavors. They are then most valued as an accessory or condiment, but also contain some nourishment since they are high in minerals, potassium and phosphorus and contain many of the B vitamins.

Edible vs. Poisonous

What is the golden rule that enables some people to pick and eat wild mushrooms - the golden rule by which they can determine an edible mushroom from a poisonous toadstool?

This is the golden rule - THERE IS NO GOLDEN RULE! The only way to distinguish a poisonous mushroom from an edible is to know the mushroom. Just as you know a head of cabbage from a head of lettuce you have to know your mushrooms.

A silver coin boiled in water with mushrooms remains shiny if MYTHS: fungus is edible.

Edible if skin can be peeled easily.

Edible if eaten by animals.

All mushrooms growing on wood are edible.

Boiling and discarding water renders them edible.

Doctor can pump stomach if poisoned.

Amanita are cause of 90% of mushroom deaths. FACTS:

A single cap can kill.

If symptoms are delayed 6 to 20 hours, hospitalization is mandatory. WHEN IN DOUBT, THROW IT OUT !:

Some people are allergic to specific mushrooms. Mycologists advise: Never take more than 1 tablespoon of a Mushroom you are eating for the first time and never try two new ones at once.

General rules for fresh mushroom cookery: Clean mushrooms without water whenever possible. Use a damp towel and or a knife to remove debris. not peel (there is a lot of flavor in the peel). If you must wash them do it quickly and dry them quickly in towels. Cook or dry them as quickly as possible after gathering.

Drying mushrooms for later use in soups, sauces, omlettes, etc. A half pound of mushrooms cut to 1/8" slices will dry in 2 or 3 hrs. in an oven on paper towels on cake racks at 120 °F. To enhance the flavor and fragrance take the drying just beyond the dry stage, and toast the chips. This is achieved when a rich aroma comes from the oven. Turn off the oven and partially open the door, leaving them there for 10 or 15 min. verize them in a blender, and store in a tightly covered jar. The dried powder is considered a mycophagist's treasure. It is used to produce background flavor in mushroom soup, sauces, gravies, and omlettes