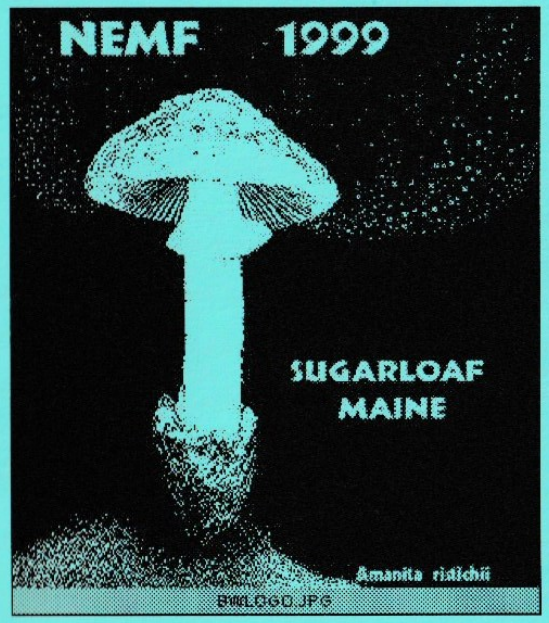
NEMF 1999

Fifth Annual Samuel Ristich Foray



SUGARLOAF

September 3 to 6, 1999

Hosted by

MAINE MYCOLOGICAL ASSOCIATION

Welcome!

Your 1999 Foray Hosts

General:	Linda and Clayton Clarke
Secretary:	Barbara Plume
Treasurer:	John Dugue
Registration:	Marcia Leonard Andrew Norton
Lectures & Workshops:	Lawrence Leonard Dorothy Spaulding
Field Trips:	Ellen Klain
Sales & Exhibition:	Marcia Howell
Socials:	Noah Gottlieb
Awards:	Gary Marshall
Mycophagy:	Philippe Dumont
Program Booklet:	Anne Rugh
Recording:	Gene Yetter Dorothy Smullen
Sort & Display:	Walter Rode Ed Bosman
Logo:	Martha Gottlieb
Facilitator:	Michaeline Mulvey

PROGRAM SCHEDULE

FRIDAY

3:00 – 4:30 P.M. Field Trips

1. Nature Trail next to Golf Course – carpool
West Mountain Falls Trail is .5 miles, round-trip 1 mile, only 5 minutes from the hotel. The access is quite steeply eroded. It leads to a beautiful stream and falls through deciduous woods mixed with spruce and fir. Leccinum, Russulas, and different Amanitas can be found.

2. Nearby wooded and open areas around condominiums, on your own. There is good mushrooming right around the condominium areas in the wooded and open areas.

5:00	Meeting of the Mycologists		Narrow Gauge Room
5:30 to 7:00	DINNER		
7:30	Welcome	*Clayton Clarke*	King Pine Room
7:40	Getting Lost in the Maine Woods	*Mark Robie*	King Pine Room
8:00	Changing Nature of Fungal Systematics	*Tom Volk*	King Pine Room
9:30	SOCIAL		Widow Maker Lounge

SATURDAY

7:00 – 8:30AM	BREAKFAST	
9:00 –11:00	Lichen Workshop *Alan Bessette* Carrabassett Room A	Limit 20 (Full)
9:30 – 10:30	Frosty Fungi Foraying *Walt Sturgeon* Carrabassett Room B	
11:15 –12:15	Inocybe *Ray Fatto* Carrabassett Room B	
12:00 – 1:30	LUNCH	
1:00 – 5:15	Dyeing with Mushrooms *Arleen Bessette & Sue Hopkins* Spruce Room	Limit 20
1:30 – 2:00	Tricholoma Lecture *Ed Bosman*	Open Attendance
2:00 – 3:00	Tricholoma Workshop *Ed Bossman* Carrabassett Room A	Limit 20 (Full)
1:30 – 5:00	Fungi Illustration Workshop *Katrina Syme* Flagstaff Room	Limit 12 (Full)
3:15 –4:15	Hyphomycetes and Ascos *Roz Lowen* Carrabassett Room A	
3:15 – 4:45	Wood Fungi ID Workshop *Cheryl St. Pierre & Sam Ristich* Kennebec Room	Limit 16 (Full)
5:00 – 5:30	Sam Ristich Video	Oak Room
5:30 – 6:00	Sam Ristich Video (Repeat)	Oak Room
5:30 – 7:00	DINNER	
7:00 – 8:30	Interesting Finds & Lecture: **Boletes of North America A Fuscoboletinus by any other name is still a Suillus, or is it?** *Alan Bessette*	King Pine Room
9:00	SOCIAL Music by the Bonnins: "The Best of Broadway"	THE BAG

SUNDAY

7:00 -- 8:30	BREAKFAST	
9:00 -- 11:00	Microscopy Workshop *Glenn Freeman* Kennebec Room	Limit 12 (Full)
9:30 -- 11:30	The Potoroo Secret—slide lecture *Katrina Syme* Carrabassett Room B	
9:30 -- 11:30	Papermaking Workshop *Dorothy Smullen* & *June Johnston* Spruce Room	Limit 20 (Full)
11:15 -- 12:15	Worm's Eye View of Fungi *Laurie Leonard* Carrabassett Room	
12:00 -- 1:30	LUNCH	
1:30 -- 2:30	Good and Bad Plant Fungi *Seanna Annis* Carrabassett Room A	
1:30 -- 3:00	Children's Workshop *Sandy Sheine* Kennebec Room	
2:45 -- 3:45	Expanding Knowledge of Amanita in Maine *Rod Tulloss* Carrabassett Room B	
4:00 -- 5:00	Follow-up, Fungal Systematics *Tom Volk* Carrabassett Room A	
5:15	MYCOPHAGY	
6:30	BANQUET	
	AWARDS *Gary Marshall*	
8:00 -- 9:30	Interesting Finds & Lecture: **Mushroom Travels in Catalonia, the Mycophilic Soul of Spain** *Bill Roody* King Pine Room	
9:30	CAMPFIRE	

MONDAY

8:00 – 10:30	BRUNCH
8:30	NEMF Business Meeting Kennebec Room
9:00	Mycologists' Review of the Tables King Pine Room

Description of Talks & Workshops

LICHEN WORKSHOP Sat. 9 – 11 Carrabassett Room A
Alan Bessette Limit 20 (Full)
An introduction to lichens: classification, biodiversity of common lichens of the northeast. Hands on, with keys to classification and specimens available.

FROSTY FUNGI FORAYING Sat. 9:30 – 10:30 Carrabassett Room B
Walt Sturgeon
This slide program will cover fleshy fungi of eastern North America which fruit during cool weather in autumn, winter and spring.

INOCYBE LECTURE Sat. 11:15 – 12:15 Carrabassett Room B
Ray Fatto
A short review of infrageneric taxonomy of Inocybe in the literature. Discussion of the diagnostic characters for the genus, with a synoptic key for 42 selected species. Slides of 31 of these species.

DYEING WITH MUSHROOMS Sat. 1:00 – 5:15 Spruce Room
Arleen Bessette and *Susan Hopkins* Limit 20
This will be a hands-on overview of mushroom dyeing--covering procedure, mordanting and identification of mushrooms used. To be supported by slides, handouts, discussion and take-home samples of yarn dyed at the workshop.

A MACROSCOPIC APPROACH TO THE IDENTIFICATION OF THE TRICHOLOMAS OF NORTHEASTERN NORTH AMERICA *Ed Bosman*
Lecture (Open Attendance) Sat. 1:30 – 2:00 Carrabassett Room A

Workshop Limit 20 (Full) Sat. 2:00 – 3:00 Carrabassett Room A

FUNGI ILLUSTRATION WORKSHOP Sat. 1:30 – 5:00 Flagstaff Room
Katrina Syme Limit 12
A short introductory program with slides showing paintings progressing from the initial drawings through washes to the completed work. Learn how to accurately portray fungi in their natural habitat. Explore composition, materials and color-mixing as you gain appreciation of natural wonders.

HYPHOMYCETES AND ASCOS Sat. 3:15 – 4:15 Carrabassett Room A
Roz Lowen
This talk will be about hyphomycetes and their relationship to ascomycetes.

WOOD FUNGI ID WORKSHOP Sat. 3:15 – 4:15 Kennebec Room
Sam Ristich and *Cheryl St. Pierre* Limit 16 (Full)
The wood fungi workshop will begin with an introduction to wood fungi (growth patterns, anatomical structure, ecological and host relationships) with a display showing a variety of fungi. It will feature the MMA's winter wood fungi kits. The four kits will be utilized for a hands-on experience in keying out specimens to identify the species of random samples. Bring a hand lens.

MICROSCOPY WORKSHOP Sun. 9:00 – 11:00 Kennebec Room
Glenn Freeman Limit 12 (Full)
Designed for beginners to learn the use of the microscope, identify its parts, learn how to make slides. Includes spore identification, cystidia identification, staining and how to prepare a thin section. Use technical keys based on micoscopic characteristics to identify an unknown mushroom.

THE POTOROO SECRET Sun. 9:30 – 10:30 Carrabassett Room B
Katrina Syme
Though extinct for 120 years, Gilbert's Potoroo (Potorous gilbertii), a beautiful, small, mycophagous 'rat kangaroo' was rediscovered at the Two Peoples Bay Nature Reserve in South-west Australia in 1994. Only 38 individuals have been found so far, and it is Australia's most endangered mammal. A study of the truffle-like fungi which form the bulk of its diet began early last year.

PAPERMAKING WORKSHOP Sun. 9:30 – 11:30 Spruce Room
Dorothy Smullen Limit 20 (Full)
Course participants will be making their own fungi paper from polypores, going through the processes of pulping, slurry-making and using moulds and deckles. Participants should bring several 8 x 11 pieces of old sheets, if possible.

WORM'S EYE VIEW OF FUNGI Sun. 11:15 – 12:15 Carrabassett Room A
Laurie Leonard
A slide lecture with most photographs taken at 1 – 10x to show what can be seen with a hand lens and the beauty of the macroscopic details. I'll also show how they illustrate some mycological terms and help with our ID of an unknown.

GOOD AND BAD PLANT FUNGI Sun. 1:30 – 2:30 Carrabassett Room A
Seanna Annis
The vast majority of plants interact throughout their life with fungi. Some of these fungi help plants survive in difficult conditions, and other fungi attack plants as a source of food. This talk describes some interesting interactions between plants and fungi, including some unusual places that fungi have found to live in plants and the modifications some of them have made to their hosts. Includes fungi found in the Maine woods but not in most mushrooming books.

CHILDREN'S WORKSHOP Sun. 1:30 – 3:00 Kennebec Room
Sandy Sheine
Children of all ages and adults interested in teaching children about mushrooms are invited to attend this workshop. We will start indoors with a short discussion about mushrooms, using handouts, books, posters and fresh mushrooms. This will be followed by a mushroom treasure hunt on the campus. We will then return to the lecture room to make spore prints, describe and draw our finds and see if we can find their descriptions and pictures in our books.

EXPANDING KNOWLEDGE OF AMANITA IN MAINE Sun. 2:45 – 3:45
Rod Tulloss Carrabassett Room B
It seems that at every NEMF in Maine, new species of Amanita are found. Often these species fall in Amanita section Vaginatae---the group of species with a ringless stem inserted in a sack-like volva and having a radially grooved margin of the cap. The presentation will review both the new species and growing knowledge about the group in which they belong. Emphasis is on field characters. Microscopic characters will be mentioned.

FUNGAL SYSTEMATICS (CONT'D) Sun. 4:00 – 5:00 Carabassett Room A
Tom Volk
A follow-up of his Friday night lecture.

1999 Samuel Ristich Foray Participants

Honored Guest: Dr. Samuel Ristich

In1980 Sam followed Ruth to the Pullen Farm, gave a weekend course at the Maine Audubon Society, and the rest, at least for the Maine Mycological Association, is the beginning of our history. Sam gave the first NEMF foray a boost as well, in 1975. He received his Ph.D. in Botany and Entomology from Cornell University and has since served the University of New Hampshire, Ohio State, the New York Botanical Gardens, the Boyce Thompson Institute for Plant Research and the pharmaceutical company E.R.Squibb. He has served as a featured writer for Mushroom, The Journal of Wild Mushrooming since its inception, and every club here is not only grateful for his countless contributions, but we love him for his unbounding friendship, knowledge and intellectual stimulation.

Principal Mycologist: Dr. Alan Bessette

Dr. Alan Bessette earned his Ph.D. in mycology under Dr. Dick Homola at the University of Maine. This is his third time as Principal Mycologist for NEMF. He is Professor of Biology at Utica College of Syracuse University, author of 12 mushroom books, including the recent Mushrooms of Northeastern North America, as well as books on trees and shrubs and birds of the Adirondacks.

Dr. Seanna Annis is Asst. Prof. of Mycology at the University of Maine in Orono. Dr. Annis writes, "I obtained my B.Sc. and .Sc. at the University of Toronto and my Ph.D. in 1995 in plant pathology at the University of Guelph in Ontario, Canada. I am interested in how fungi attack plants or other organisms…and am currently studying the enzymes produced by and the genetics of fungal pathogens of wild blueberry in Maine…"

Arleen Bessette is an amateur mycologist and botanical photographer, has authored 5 books, and won several national awards. She teaches introductory courses in mycology as well as mushroom-dyeing workshops for NAMA and other organizations.

Edward Bosman, a Connecticut native, has been interested in mycology for 32 years. He is a major organizer of various mycological organizations, including the Northeastern Mycological Federation. In 1995 he received the NAMA award for "Outstanding Contribution to Amateur Mycology."

Ray Fatto has a BS in chemistry. With Geoffrey Kibby he developed and published a synoptic key to species of Russula in northeastern North America. He is the recipient of the 1996 NAMA award for Contributions to Amateur Mycology. Seven articles on Russula, Callistosporium and Inocybe were published in Mycotaxon 1996 to 1999, two with Alan Bessette.

Dr. Glenn Freeman supervises the laboratory which does plant pest and disease testing for the New Jersey Dept. of Agriculture. He graduated from the University of Tennessee with a Ph.D. in mycology, studying under Dr. Ronald H. Petersen and concentrating on the taxonomy of wood decay fungi.

Susan Hopkins has been studying mushrooms for nearly 20 years and is an active member of both the New Jersey Mycological Association and NAMA. She is particularly known for her exploration of the dyeing properties of mushrooms and has organized a number of fungi-fibre events.

June Johnston says her education as a science teacher is a good background for both her mushrooming habit and her work at The Genessee Hospital Laboratory Information Systems. She is from a long line of mushroomers. "Besides making paper with them, I also dabble in dyeing and painting with them…"

Yves Lamoureux is the scientific advisor of the Cercle des mycologues de Montreal and is working on an inventory of Quebec macromycetes. He is the author of Champignons du Quebec, tome 1, Les bolets. He has attended numerous NEMF Forays.

Dr. Lawrence Leonard came to Maine "over 30 years ago to practice medicine, raise a family in a beautiful place, and sail. When I retired…I found out that walking in the woods looking at mushrooms with Sam Ristich was interesting and stimulating and I gave up sailing! Am especially interested in micro and macrophotography, recording the fine details which help us make a diagnosis when the 'guru' is not around."

Dr. Rosalind Lowen is Honorary Research Associate of the Institute of Systematic Botany at the New York Botanical Garden. Her present research is with fungi that occur on lyme disease ticks. She is one of Sam's disciples and has an extensive body of publications on ascomycetes.

Walt Rode's interest in mushrooms began about 25 years ago when a fellow chemist at Polaroid asked him if he would like to go on a foray. A few years later he found himself on the board of the Boston Mycological Club "with such luminaries as Elio Schaechter, George Coffin and Margaret Lewis!" Still at it, he notes, "Such good things should remain constant."

William Roody is a seasonal non-game wildlife biologist for the West Virginia Division of Natural Resources. He and his wife travel extensively in pursuit of mushrooms, and his photographs have won numerous awards. With Alan and Arleen Bessette he co-authored North American Boletes: A Guide to the Fleshy Pored Fungi. He is working on a field guide to the mushrooms of West Virginia.

Cheryl St. Pierre is the winter program coordinator for the Maine Mycological Assoc. With Sam she has fine-tuned the club's winter wood fungi kits, collecting samples and redoing keys. She is a long-time ardent amateur mycologist.

Sondra Sheine has been the President of COMA (Connecticut-Westchester Mycological Association) for 21 years. She was awarded the 1998 NAMA Award for Contributions to Amateur Mycology. As a retired secondary school mathematics teacher, she presently teaches students from K-12 about fungi, conducts teacher and naturalist workshops and writes educational material on fungi.

Dorothy Smullen teaches high school science, becoming interested in paper-making with fungi through her friendship with Susan Hopkins. She has been a member of NJMA since 1975 and has attended all NEMF forays. In 1987 she received NEMF's Eximia Award.

Walt Sturgeon is a social worker with extensive mycological experience. He has received NEMF's Friend of the Amateur Award and NAMA's Award for Contributions to Amateur Mycology. He is a Poison Center Consultant, author of numerous mycology articles and is a award-winning photographer with photos published in numerous field guides.

Katrina Syme became fascinated by fungi in 1982 and began to study and paint the species from the south coast area of Western Australia, where she lives. In 1998 she co-authored and illustrated the award-winning book Fungi of Southern Australia. Originally trained as a school teacher, she has been teaching Art from Nature classes for 14 years.

Dr. Rod Tulloss is currently On-site Coordinator for the first All-Taxa Biodiversity Inventory (ATBI) in the Great Smoky Mountains National Park. He has spent nearly 25 years studying the genus Amanita, the last 7 of which have focussed on section Vaginatae.

Tom Volk is an Associate Professor at the University of Wisconsin-La Crosse, teaching courses on Mycology, Medical Mycology, Plant Biology and Plant-Microbe Interactions. See volk_tj@mail.uwlax.edu for an extensive introduction to the Kingdom Fungi.

FIELD TRIPS

Saturday Morning

8:30 – 11:15 Cathedral Pines #1--Bus

Head towards Eustis Ridge Picnic Area, go left on trail marked "no motorized vehicles." Cathedral Pines contains the largest stand of natural red pine in the state. Chanterelles have been found in this area.

8:45 – 11:30 Myer's Lodge—bus

Go north on Rte 27 from Stratton, right towards Maine Public Reserve Land. This area is part of the Maine Public Reserve Land adjacent to the Dead River. It is mixed woods of maple, birch, white pine and hemlock. Russulas, Boletes, Leccinums, Hygrophorus and Amanitas should be abundant. The terrain is easy walking with a potential to cover 2-3 miles.

9:00 – 11:30 Mud Pond—van

Go north on Rte 27 from Eustis, over King and Bartlett Bridge, left onto Airport Rd. and Kibby Kamp sign. Road follows north brach of Dead River 2.4 miles in. This area contains all softwood, predominantly cedar in a very boggy area. Terrain is uneven and fairly thick in vegetation.

Saturday Afternoon

1:15 --- 4:45 Narrow Gauge #1 across from Outdoor Center—bus & van

Go south on Rte 27 from Sugarloaf 3 miles. Right onto Campbell Field Road. This is part of the Outdoor Center's cross-country skiing trail system, Trail # 9, travelling over a former narrow gauge railroad bed. A deciduous forest with white cedar provides a light canopy over the trail which follows the Carrabassett River. There should be copious Russulas, Amanitas, and Boletes. The trail extends 6 miles east, 1.5 miles west. The walk will cover 2-3 miles to the east. The smaller group will explore the 1.5 miles to the west towards Bigelow.

1:30 – 5:00 Moose Bog by Outdoor Center—bus

Trail #21 on the Mountain Biking, Cross-country Ski Trail System covers 2.5 miles in back of the Outdoor Center over wide but even rocky trails. Blue Chanterelles, Amanitas, Boletes, Russulas, and Suillus can be found in this mixed woods area.

Sunday Morning

9:00 – 4:00 Sugarloaf Mountain Hike to Burnt Hill (3995 ft.) – Michaeline Mulvey. Box lunch provided. Permission by leader only. Limit 10 people.

8:30 – 11:15 Cathedral Pines #2 – bus

8:45 – 11:30 Poplar Stream Falls – bus
Go south on Rte 27 towards Carrabassett. Look for Carriage Road and Red Stallion Road. The trail follows a stream and requires fording a 15-foot streambed. It travels for 2 miles to the falls, a very gradual rise on a good road. It is mostly hardwood with wet spots all the way up. Suillus are abundant.

9:00 – 11:45 Huston Brook – van
Go south on Rte 27 towards Carrabassett, left onto Huston Brook Road just before restaurant, right on Gauge Road. This trail follows a snowmobile trail along the Carrabasset River over easy flat terrain with side ditches providing good mushrooming. The deciduous woods provide a beautiful canopy. The walk will cover approximately 2 miles.

Sunday Afternoon

1:15 – 4:45 Narrow Gauge #2 from Carrabassett Valley -bus
Go south on Rte 27 towards Carrabassett. (Directions incomplete.) This trail follows the former narrow gauge railroad track west alongside a stream and deciduous woods. The terain is flat and easy walking and will cover approximately 3 miles.

1:30 – 5 Jones's Pond – bus
Go north on Rte 27 from Bigelow, right onto Stoney Brook Road. This area, cut over in the last 15-20 years, is part of the Bigelow Mountain Preserve. There should be good mushrooming on both sides of the Road (Gray Cat) in mixed woods dotted with boggy spots. It is a 1.5 mile walk into the pond over a wide and easy trail. An old cabin can be found on the pond.

NOTES

99 NEMF Program

Sept 4 SATURDAY	Sept 5 SUNDAY
7:00---8:30AM…BREAKFAST	7:00---8:30am…BREAKFAST
9:00—11:00AM…Lichen , Workshop, Alan Bessette Carrabassett Room A Limit: 15	9:00—11:00AM…Microscopy, Workshop, Glen Freeman Carrabassett Room A Limit: 10
9:30---10:30AM…Frosty Fungi Foraying Walt Sturgeon Carrabassett Room B	9:30---10:30AM…The Potoroo Secret, slide-lecture Katrina Syme Carrabassett Room B
11:15—12:15PM…..Inocybe, lecture Ray Fatto Carrabassett Room B	9:30---11:30AM…Papermaking, Workshop, Dorothy Smullen Spruce Room Limit: 20
	11:15—12:15…..Worm's Eye View of Fungi Laurie Leonard Carrabassett Room B
12:00—1:30PM…LUNCH	12:00---1:30PM…LUNCH
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1:30—2::00PM…Tricholoma lecture 2:00—3:00PM….Tricholoma, Workshop Limit:20 Ed Bosman Carrabassett Room A	1:30---3:00PM…Children's Workshop, Sandy Sheine Kennebec Room
1:30—5:00PM…Fungi Illustration, Workshop, Katrina Syme Loft Room Limit: 12	2:45---3:45PM…Expanding Knowledge of Amanita in Maine Rod Tulloss Carrabassett Room B Limit 12
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	5:15PM…….MYCOPHAGY
5:30—7:00PM…DINNER	6:30PM…….BANQUET & Awards, Gary Marshall
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Friday night: 5:30—7:00PM---Dinner

7:30PM……WELCOME…..Clayton Clarke

7:40PM……Getting Lost in the Maine Woods….Mark Robie

8:00PM…….Lecture: Changing Nature of Fungal Systematics…Tom Volk