

FIND IT FAST

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August 7-10
Bowdoin College
Brunswick, Maine

GENERAL INFORMATION

Emergency and Safety Information:

- Off-campus Emergency: Dial 911.
- On-campus Emergency: Dial 3500 from a campus wall phone or 207-725-3500 from a cellphone. It is also fine to dial 911 for an on-campus emergency.
- Bowdoin Security Non-Emergency: 207-725-3314
- Mid Coast Hospital Walk-In Clinic, 22 Station Ave., Brunswick, *(in the building just south of the train station.)*
- **Foray Safety:** Maine has no venomous animals, and few animals that are likely to be a threat to reasonable humans. Mosquitos and ticks may transmit serious diseases so use bug spray, and always do a body check after foraying. Long pants, light-colored clothing and good hiking boots are recommended. Poison ivy is fairly common in some areas. Please stay in groups of two or more when foraying in the woods. Be aware of the compass direction when entering the site. If you become lost, blow your whistle and listen for responses. Stay in one place and wait. Cell phones may be unreliable in some locations. Be aware and stay alert!

Make sure to be back at the bus on time. If you miss the departure time, the bus will leave without you, but the irritated foray leader will stay behind to wait for you, and a car will be sent. You will be charged for this service. See your badge insert for foray details.

Registration, Housing, Campus Regulations

Thorne Hall: The Registration Desk/Info Kiosk, Sorting, Display, and Vendors will all be housed in Thorne Hall which is connected to Coles Tower. Follow signage to the entrance. Please direct any needs, questions or concerns to the staff at the Info Kiosk.

Signup sheets: for forays and workshops with limits on attendance will be placed on pillars in Thorne Hall after dinner. The buses will depart from South Street near Thorne Hall, and return there after the foray. Be on time for the departure of forays! The walk number will be posted in the front window of the bus. Walk-ons will be taken on a first-come basis after registered forayers.

Registration:

Thursday	Friday	Saturday	Daily, Checkout
pm: 1:00-5:00, 6:00-6:45, 9:00-10:00	am: 7:45-8:15 pm: 6:45- 7:00	am: 7:45-8:15	am: 7:00-1:00

Schedule and Campus Map: Forays, Lectures, Workshops, Social Events and a map may be found in your badge insert.

Lost items: Check at the NEMF Kiosk/Registration Desk in Thorne Hall first, then the Smith Union Info Desk, second floor, map #38, (207-725-3375) and Campus Security (207-725-3314). Keep track of your meal key card and your room key card, and be sure to turn them in at the Registration Desk between 9 am and 1 pm on Sunday. If you leave earlier, please see a member of the organizing committee, (see p. 15). You will be charged \$20.00 for each key not returned.

Parking: for loading and unloading you may park briefly in front of the dorm, but please be efficient. Please park in the large parking lot on Coffin Street.

Bowdoin College Regulations: Smoking is not permitted in any College building, but is allowed 50 feet from any building. You are encouraged to use designated smoking areas. Please note that alcohol is prohibited in all common areas on Bowdoin College property. Certain areas in residence halls and other facilities may be designated for an event with alcohol for people 21 years of age and over. Recreational drug use is prohibited. Pets are not allowed.

Meals: All meals, except the banquet, will be served in Moulton Union Dining Hall (lower level, entrance on the North side). The Banquet will be served on the grounds outside Thorne Hall. You will be given a key card to present to the cashier, and if you have signed up for the banquet, a card indicating your meal choice.

Internet Access: Network Name: BOWDOIN-GUEST, no password, but you will be asked to register as a guest. Public access computer terminals are available in Hawthorne-Longfellow Library, map #10 and Smith Union, map #38. If you have difficulty connecting, please call the IT Help Desk at 207-725-3030.

Incidental Supplies: There is a small convenience store on the lower level of Smith Union with toiletries, snacks and other items. It is a short walk to drugstores and a supermarket in downtown Brunswick.

Sorting and Display Tables: will be located in the Thorne Complex. See your badge insert for specimen collection guidelines.

Contests and Awards: Awards will be given for interesting collections Friday and Saturday evenings. In addition there will be awards given for one collection of each of the following:

Amanita ristichii
Fistulina hepatica
Sowerbyella rhenana (formerly *Aleuria rhenana*)
Sarea resiniae
Polyporus umbellatus
Volvariella bombycina

If you have the skill and/or good fortune to find one of these, be certain to sign your species id tag and please notify John Plischke III or Walt Sturgeon in Sorting when you drop it off.

In the event of more than one collection, the faculty will decide based on aesthetics. If they are judged equal, the winner will be decided by an impartial method. If the judges decide that the collection does not meet scientific and/or aesthetic standards, no award will be given.

FACULTY BIOGRAPHIES

Faculty members are listed alphabetically by last name. Lecture details, workshops details, foray leadership and other contributions are included in this listing.

*Indicates Maine Mycological Association Members.

Alissa Allen was raised by a forager in the Pacific Northwest and has been a student of the natural world her entire life. She has been experimenting with mushroom derived pigments and sharing her enthusiasm and experience with others for fifteen years.

Saturday, 11:00-12:00 pm, Lecture: *Exploring Mushrooms and Lichens for Dyes*, Druckenmiller Hall, room 16.

Seanna Annis,* Principal Mycologist, has been interested in fungi, particularly the killer fungi, since her undergraduate days. She has studied fungi that attack plants and animals and is currently interested in fungal pathogens of wild blueberries. She teaches mycology and is the Associate Professor of Mycology at UMO.

Friday, 2:10 pm - 3:10 pm, Lecture: *Fungi in the Garden: What are They Doing There? Discouraging the Bad, Encouraging the Good*. Druckenmiller Hall, room 20.

Saturday, 8:30 am - 11:30 am, Workshop: *Beginning and Intermediate Microscopy* with Laurie Leonard. We will delve into the microscopic anatomy of fungi by looking at spores, basidia, asci, cystidia, gill hyphal arrangement and how this has been important in fungal identification. Hatch Science Library lab, room 206. Limited to 25 participants, **pre-registration required**.

Raymond Archambault, botanist and mycologist, is the curator of the CMM fungarium at the Centre on Biodiversity at the University of Montreal. He has been the president of CMM almost without interruption for 30 years. He promotes mycology, contributing as a teacher, but also as an organizer of numerous mycological events.

Saturday, 8:00 pm - 9 pm, Lecture: *Lost in the World of Fungi*. Kresge Auditorium.

Don Cameron* is a professional botanist and ecologist who works for Maine's Natural Heritage Program. During the 15 years he's worked in Maine, he has traveled throughout the state, documenting rare plant species and exemplary natural communities. Recent projects have included surveys and mapping of subalpine fir forest, an assessment of rare wetland types up north and investigating the impacts of projected sea level rise on tidal marshes. Don is also an amateur mycologist, interested in edibles, medicinals, fungi for dyeing and photography. Since his first workshop on medicinal fungi with Greg Marley, well, the guy is crazy for fungi.

Thursday, 7:15 to 8:15 pm, Lecture: *Balsam Fir to Red Oak, an Introduction to Maine's Common Forested Habitat and Their Fungi*. Kresge Auditorium

Tom Doak is the Executive Director of the Small Woodlot Owners Association of Maine, Inc.

Saturday, 1 pm - 3 pm, Workshop: *Round table discussion on Commercial Harvest* (See Michaeline Mulvey listing for details.)

Jason Karakehian earned a degree in fine art and art history. While his vocation is woodworking for a high end picture frame company, he has pursued mycology and mycological history as an avocation since 2009. He is an active member of the Boston Mycological Club, Friends of the Farlow Herbarium and the New England Botanical Club, where he is curator of the fungorium. Jason's mycological efforts focus on dictyomycetes and pyrenomycetes with occasional forays into basidial crusts and polypores. Not only is he the lead author of a paper on the little seen genus *Angelina*, but he is working on a biography of Charles James Sprague, a little known cryptogamic botanist, and collaborating on a paper about Lewis David von Schweinitz's paintings of fungi.

Friday, 1 pm - 4 pm, Workshop: *Ascomycete Microscopy workshop for Beginners*. Collecting specimens, using the microscope, preparing live and dried collections for examination with basic reagents and stains, identifying microscopic structures, photographing specimens using appropriate methods and resources will be discussed. Hatch Science Building, lab room 206. Limited to 12 participants, **pre-registration required**.

Saturday, 1 pm - 4 pm, Workshop: *Ascomycete Identification for the Intermediate Microscopist/Mycologist* An overview of the terminology and tissue types commonly found in the Ascomata with the goal of applying widely

Jason Karakehian, 1 pm - 4 pm, Workshop (*continued*)

used keys to genera. Reagents, stains, basic culture methods and preparation for the fungorium will be outlined. Avenues of future study will conclude the workshop. Hatch Science Library, lab room 206. Limited to 12 participants; **pre-registration required.**

Renee Lebeuf is passionate about fungi in general, but especially so about Mycenas, Wax Caps, Lepiotas and Boletes. She is an active member and identifier for the *MycoQuebec* website. Her photographs have appeared in numerous books and articles on mycology. She has been studying Lepiotas of the northeast for a few years and will present her discoveries. She will also share her key of the Lepiota species found in Quebec.

Friday, 1 pm- 2 pm, Lepiotas of the Northeast: New discoveries and a key to species found in Quebec. Druckenmiller Hall, room 20.

Laurie Leonard* is a past president of Maine Mycological Association. He has had a long-standing interest in fungi under the inspiring mentorship of Sam Ristich. Laurie especially enjoys seeing the intriguing microscopic anatomy of different mushrooms. He is an inspiring teacher and has taught fungal microscopy many times.

Saturday, 8:30 am - 11:30 am: Workshop Beginning and Intermediate Microscopy (*See Seanna Annis for details.*)

Gary Lincoff, author of the bestseller *Audubon Society Field Guide to North American Mushrooms* and of *The Complete Mushroom Hunter* and co-author of several other books on mushrooms, is no doubt one of the most well-known mushroom specialists in North America. He teaches Botany and Mycology at The New York Botanical Garden.

Friday, 1 pm - 2 pm, Mushroom Identification is not Rocket Science: A Beginner's Guide Concentrating on Seasonality, Ecology and Morphology. Druckenmiller Hall, room 16.

David Malloch is emeritus professor of Botany, University of Toronto, recipient of the Mycological Society of America Distinguished Mycologist Award and is now Research Associate with the New Brunswick Museum. He is the creator and curator of *The Mycology Web Pages*.

Friday, 10:50 am -11:50 am, Finding All the Creatures: What is an 'All Taxon Biological Inventory (ATBI)?' What are the limitations? Druckenmiller Hall, room 4.

Saturday, 8:30 am - 9:30 am, Sorting Out the Cortinarius: How to Make Sense of the Genus by Dividing and Conquering. Druckenmiller Hall , room 4.

Greg Marley* has been studying, growing, collecting and cooking wild mushrooms for more than 35 years. He is the founder of Mushrooms for Health, a company providing courses in mushroom identification and ecology, and products made with Maine medicinal mushrooms. Greg authored *Mushrooms for Health; Medicinal Secrets of Northeastern Fungi* and *Chanterelle Dreams, Amanita Nightmares*, recipient of the International Association of Culinary Professionals Jane Grigson Award.

Friday, 9:40 am - 10:40 am, Medicinal Use of Wild Mushrooms: The Evidence and the Mushrooms. Druckenmiller Hall, room 16.

P. Brandon Matheny is originally from Oklahoma and has a degree in history from Oklahoma State University. He earned his PhD in Botany at the University of Washington under the guidance of Drs. Joe Ammirati and Ben Hall. Brandon spent 5 years as a postdoc at Clark University in David Hibbett's lab, and has been at the University of Tennessee since 2008. His research program is centered on fungal systematics and macroevolution, particularly of ectomycorrhizal lineages.

Friday, 7:45 pm - 9 pm, Keynote Lecture: Origins and Patterns of Diversification in Ectomycorrhizal Fungi. Ectomycorrhizal (ECM) fungi are especially important root symbionts in temperate forests. It is fairly well understood that the condition evolved repeatedly across many different fungal and plant lineages, but the origin and diversification of these fungi is less well understood. The competing hypotheses about the geological origins are quite drastically different: Jurassic and Cretaceous versus Cenozoic. One may make an implicit prediction that ECM fungi may have radiated during the Oligocene (34-32 MYA), a period of global cooling during which communities dominated by ECM Agaricales and Pinaceae expanded their range.

P. Brandon Matheny, Friday, 7:45 pm - 9 pm, Keynote Lecture (*continued*)

Brandon will present results that test the hypotheses for ten different clades of ECM Agaricales, the largest order of mushroom-forming fungi. Kresge Auditorium

Saturday, 1:00 pm - 2:00 pm, Lecture: *Fungi of Australia: the Inocybaceae*, Overview of the Systematic Studies Begun in 2001. Druckenmiller Hall, room 4.

Michaeline Mulvey* is a long-time member of MMA and CMM. She is interested in the field identification of fungi, their phenology and ecology. Before becoming fascinated by fungi, she sharpened her skills of observation by identifying trees and spring ephemeral plants. She was a member of both the Maine Task Force on Wild Mushroom Harvesting and the Conference for Food Protection Committee, 2010-2012, focused on the same issue.

Friday, 8:30 am - 10:30 am, Workshop: *The trees in our forest; a beginner's guide to tree identification*. One hour classroom plus one hour dendrological tour of campus and vicinity. Hatch Science Library, lab room 206.

Saturday, 1 pm - 3 pm, Workshop: Round table discussion on Commercial Harvest with Kevin Smith, Evan Strusinski and Tom Doak. The panel will discuss the complications that may arise around the issue of regulating the sale of wild harvested fungi. Druckenmiller Hall, room 20.

Tamas R. Peredy, (Canceled) MD is the current medical director of the Florida Poison Information Center. He is president of Medical Toxicology of Maine PA and is a former medical director of the Northern New England Poison Center. Tamas is board certified in toxicology and disaster medicine and the author of numerous papers, one of which is *Amatoxin-containing Mushroom Poisoning Including Ingestion of Amanita Phalloides*.

Canceled: Friday, 8:30 am - 9:30, Lecture, *Medical Management of Mushroom Poisonings*. Druckenmiller Hall, room 16.

John Plischke III is a past Vice President of NAMA and a Knighton Award winner. He is the founder of the Western PA Mushroom Club (WPMC). John has been a speaker and identifier for numerous mushroom clubs across the US and Canada. He is the editor of the *WPMC Mushroom Cookbook*, author of *Morel Mushrooms and Their Poisonous Look-a-Likes* and *Good Mushroom, Bad Mushroom*, and contributor to dozens of other books. In addition, he developed two mushroom programs for NAMA, is the recipient of numerous national and regional awards for his photography and was chairman of the Fungus Section of the PA Biological Survey.

John Plischke III (*continued*)

Friday, 2:10 pm - 3:10 pm, Lecture: *Mushrooms and Where to Get Free Legitimate Literature to Use in Identification*. Druckenmiller Hall, room 16.

David Porter* retired from his 38 year career as professor in the Plant Biology Department at the University of Georgia, where he specialized in mycology. He is the author of numerous scientific research papers. He is most recently a visiting instructor at College of the Atlantic and is active in mycology related community outreach programs. Other interests include choral singing, opera, theater, pottery, sailing and photography.

Friday, 9:15 am - 9:45 am *Marine and Maritime Fungi*: An introduction to some of the mycological curiosities that may be seen on the rocky shores, salt marshes and sand dunes during the field trip to Reid State Park. Druckenmiller Hall room 4.

Friday, 10:00 - 4:00, Foray 5, Reid State Park, Georgetown. An all-day trip, Reid State Park (bus departs immediately following lecture).

Noah Siegel has spent two decades honing his field identification skills of macrofungi in North America, New Zealand and Australia. He is an award-winning photographer, concentrating on maximizing utility for identification purposes while maintaining aesthetic appeal. He was a consultant for the *Audubon Guide to Mushrooms of North America* Macintosh/Apple application and provided over 300 photos for the project. He, with Christian Schwartz, is currently working on *Mushrooms of the Redwood Coast*, a field guide for the northern California coast.

Saturday, 1 pm - 2 pm, Lecture, *It's Called What Now? Name Changes in the DNA Age. The Stories Behind our Mushrooms' Many Names*. Druckenmiller Hall, room 16.

Delmar Small* in addition to being database manager for NEMF, is recorder for MMA and has set up a bar-coded database (not genetic barcodes, unfortunately!) for the Fungarium at the University of Maine at Orono. When not crunching fungal data, he uses dynamic databases to keep track of musical instruments, concerts and money at Bowdoin College.

Friday, 9:40 am - 10:40 am *Too Many Names! The History, Mechanics, Joys and Challenges of Keeping Collection Data*. Recommendations for streamlining recording processes. Druckenmiller Hall, room 20.

Kevin Smith is a forest research scientist based in Durham, NH for the past 25 years. He has worked on the interaction of wood decay fungi and trees and the physiology and pathology associated with ergot fungi and related ascomycetes. Kevin led the Forest Service research unit that included the Center for Forest Mycology Research in Madison, WI, which is the center for systematic (taxonomic) mycology.

Saturday, 1 pm- 3 pm, Workshop: Round table discussion on Commercial Harvest (See Michaeline Mulvey listing for details.)

Dorothy Smullen holds bachelor and masters degrees in Biology and is a retired High School Science teacher. She is a past president of NAMA and NEMF, a ten year board member of Friends of Great Swamp NWR, a teacher/naturalist at New Jersey Audubon and a nature and garden club speaker for over 35 years. In addition, she has attended four Tuckerman Lichen workshops and has attended EVERY NEMF since 1976!

Friday, 8:30 am - 9:30 am Lichens 101. Druckenmiller Hall, room 20.

David Spahr* is an author, naturalist, photographer, forager, and forest farmer. His book *Edible and Medicinal Mushrooms of New England and Eastern Canada* was released in July 2009. He has collected edible mushrooms for 42 years. He is a member of NAMA. David was a member of the Maine Task Force on Wild Mushroom Harvesting, developing rules for the foraging and sale of wild mushrooms. He has appeared on Delicious TV on PBS, Bouffe en Cavale in Canada, 207 on WCSH TV and on Bill Green's Maine.

Friday, 1 pm- 3 pm, Workshop: Photographing Mushrooms Using a Point and Shoot Camera. Pre-registration required, limited to 25. Druckenmiller Hall, room 4. Bring your camera.

Evan Strusinski,* proprietor of ForageMaine, follows the season from south to north, and back again from north to south, in search of wild foods which he ships daily to customers in cities along the east coast. He knows where to find and when to harvest the most delectable wild edibles.

Saturday, 1 pm- 3 pm, Workshop: Round table discussion on Commercial Harvest (See Michaeline Mulvey listing for details.)

Walter Sturgeon, husband of Trish, father of two, grandfather of two, is a retired social worker. He is also a field mycologist and award winning photographer with a special interest in boletes, waxcaps and milkcaps. He is an author of *Waxcap Mushrooms of North America*, and two other regional field guides, the recipient of NEMF's Eximia Award, and NAMA's Award for Contributions to Amateur Mycology forays. He is often found around the collection tables, graciously and knowledgeably answering the questions of all.

Saturday, 2:10 pm - 3:10 pm, Lecture: Waxcap Destiny: a Non-technical Look at the Hygrophoraceae and Their Changing Names. These beautiful mushrooms remain the same, only the names have been changed to confuse the innocent. Druckenmiller Hall, room 16

Rodham Tulloss has studied the genus *Amanita* for over 35 years, concentrating on their morphology. He has collaborated with several labs doing molecular studies on the genus. He co-edits the *Amanita Studies* website with Dr. Zhu L. Yang of Yunnan Province, China.

Saturday, 9:40 am - 10:40 am, Lecture: Recent Research in the Amanitaceae: genetically programmed natural poisons, life-styles, "hidden species", migrants from the Bering land bridge. Druckenmiller Hall, room 4.

Sue van Hook is a mycologist, naturalist, teacher and healer. She has been studying the taxonomy and ecology of fungi for 40 years, beginning in the Pacific Northwest, where the mushroom season lasts nine months, studying under David L. Largent. Since then she has worked in land conservation on the west coast and in Maine. She taught biology and environmental science at Skidmore and currently is the Chief Mycologist for the green tech company, Ecovative Design.

Saturday, 10:50 am - 11:50 am, Sue van Hook and Jake Winiski, Mushroom Packaging and Beyond. Ecovative produces Cradle to Cradle Certified Mushroom Packaging, replacing plastic foams with fungal mycelium. Other applications include mycelium as a resin for building insulation, engineered woods, autoparts and marine floatation devices. Druckenmiller Hall, room 4.

Mary Volin* has worked as an Art Director and Creative Director for product photography, media advertising and color printing in the collectible and social expressions industries. Now retired, she continues to study and pursue her love of color. She is currently painting on silk and developing a line of dyed and hand painted textile accessories. She holds a BS from the University of Dayton and BFA from Maine College of Art.

Saturday, 9 am - 10:50 am, Workshop: *Understanding the Experience of Color, in the Field, Through the Lens and in Print.* Taupe, beige, ecru, buff, mushroom??? Take a trip down the rabbit hole of color theory and learn some strategies for understanding and communicating more precisely about color. Druckenmiller Hall room 16.

Jake Winiski earned his degrees in painting and combined media. He explores the translation of non-linear, associative artistic practice in his role as a Research Biologist at the green tech company, Ecovative Design, where he focuses predominately on strain development and process optimization. He is responsible for the identification, isolation, maintenance and property characterization of new fungal species. Jake is responsible for identifying new processes and product opportunities, leveraging the specific behaviors and morphologies of fungal species, and working with other team members to translate the new technology from the lab to production.

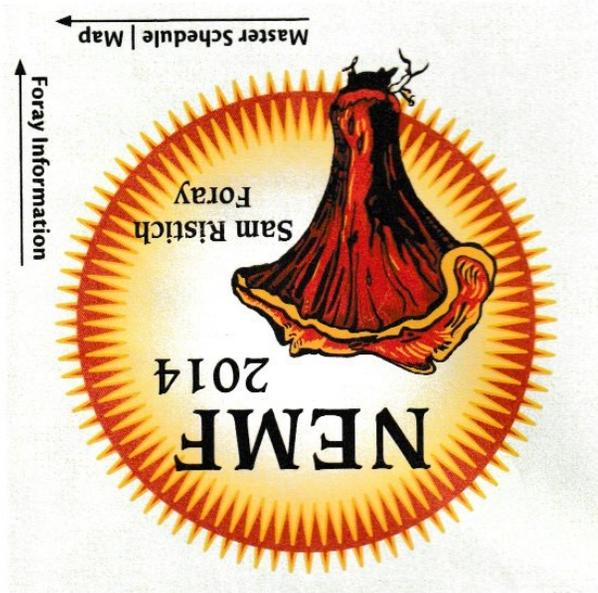
Saturday, 10:50 am - 11:50 Sue van Hook and Jake Winiski, Mushroom Packaging and Beyond. (See Sue van Hook listing for details.)

FORAY ORGANIZING COMMITTEE

Foray Chair Delmar Small
 Chief Mycologist
 Dr. Seanna Annis, University of
 Maine Orono
 Registrar Mary Yurlina
 Program David Porter &
 Michaeline Mulvey
 Forays Cheryl St. Pierre
 Socials and Mycophagy
 Terri Clements & Donna Fulton
 Vendors Anne Rugh
 Art display Martha Gottlieb
 Recorders Dorothy Smullen
 & Paula DeSanto
 Sorting John Plischke III &
 Walt Sturgeon
 Data Manager Delmar Small
 Exhibition | Display Delmar Small
 Clean-up Leo Todd
 Webmaster Delmar Small
 Booklets Mary Volin
 Logo: original art Becky Goodale;
 Logo: graphic design Mary Volin

NEMF OFFICERS

President Ursula Hoffman
 Vice President Seanna Annis
 Treasurer Paul Sadowski
 Secretary Kimberly Plischke



FORAY GUIDELINES and SCHEDULE

Sign up sheets for forays with limits on attendance will be posted after dinner in Thorne Hall on the pillars.

Buses: The buses will depart from South Street near Thorne Dining Hall, and return there. Be on time! The foray number will be posted in the front window of the bus. Walk-ons will be taken on a first-come basis after registered forayers. Make sure to be back at the bus on time. If you miss the departure time, the bus will leave without you, but the irritated foray leader will stay behind to wait for you, and a car will be sent. You will be charged for this service.

Items to bring on forays: whistle, pencil or pen to record specimen location, species id tags, basket, knife, wax bags, water, insect repellent and a compass. Long pants, light-colored clothing and good hiking boots are recommended.

Specimen Collection: Use a knife to dig up the entire specimen. Getting the entire base and any prominent rhizomorphs can be crucial to identification. Gently remove any clumps of dirt. Collect multiple individuals of a species only if they are in different stages of maturity; do not harvest over-mature fungi. Please review the species already collected, and collect more of that species only if the ones already on the table are no longer in good condition. On a species id tag, always include foray number, habitat, and genus and / or species if possible. Certain trips will be assigned colored

id tags, please use them only for the foray for which they are intended. Please do include your last name and first initial, as awards are given for particularly noteworthy specimens.

Tables: After the foray, please follow signs to the sorting tables in the Thorne complex. Place your mushrooms with their tags on plates and put them on the sorting table. DO NOT place your specimens on the display tables as there is a verifying and recording process. If you would like to take your specimen after the foray, please make a note on your species id tag and be at the display tables promptly at 11:00 AM on Sunday to take your specimen.

THURSDAY

2:30-4:00 ①, Bowdoin Pines and Campus

Leader: Cheryl St. Pierre

On foot or carpool. Meet near the registration area. The campus has old growth oak, pine and spruce with a smattering of other species. The Bowdoin Pines area is a short walk to the northeast corner of Bath Road and Federal Street. Parking is behind 85 Federal Street, the Office of Development and Alumni Relations.

FRIDAY

8:15 - 12:00 ②, Center Pond Preserve (253 acre parcel), Phippsburg, 25-30 minute bus trip Leader: Rick Van de Poll

Forested ridges are dominated by a typical mid-coast Maine deciduous forest of beech, oak, maple and birch. Conifers: pines, fir, spruce, hemlock, dominate the lower areas. The trail climbs easily to the top of a tall cliff, then drops down fairly steeply to well marked trails through the forest and along Center Pond (you will not want to don a bathing suit!). The area also boasts a beaver pond and a few small streams. The older forest and ledges are good habitat for ferns and lichens.

8:15 - 11:30 ③, Stonewood Trail, Freeport, 20 minute bus ride.

Leader: Rick Lavine

The trails are well marked, though the maps at trail junctions are a bit misleading. As you start along the trail you will see yourself in an upland forest with a large vernal pool. The trail continues gently up and down through coastal mixed forest of large spruce, hemlock, and pine. You will find middle aged oak, fir and birch. The trail frequently crosses streams and wet areas.

9:00 - 10:30 ④, Golf Course Trail, Brunswick, Carpool, 5 minute drive.

If you want a quick, easy foray, this one is for you! You will be foraying along the old, very flat, security road along the fence of the former Brunswick Naval Air Station. The forest is predominately coniferous (hemlock, pine, spruce, fir) with some oak, white and yellow birches mixed in. You will find a few boggy areas, one surrounded by very large spruce. You will see some low areas with sphagnum moss. Please be considerate of the golfers as the trail starts just beyond the first tee.

10:00 - 4:00 ⑤, Reid State Park, Georgetown An all-day trip,

Approx, 40 minute bus ride. Leaders: David Porter/Daile Lavine

We have special permission to collect in this fabulous State Park, and will be providing a list of our finds to the State. Due to limited parking space, no following cars, please. This is an intertidal and forest foray. Attend David Porter's talk just before departure. (See lecture schedule, over.)

FRIDAY

You will be in a 400 acre ocean park with 1.5 miles of sand beach, outcrops, dunes, salt marshes, low tide exposed rocks and a large upland forest. The moon is full this weekend, so the tide will be very low in the afternoon, exposing areas seen only once a month. David Porter will show you marine and maritime fungi (basidios, ascos and lichens) associated with salt marsh vegetation, sand dunes, sea weeds and rocky shores. As the tide ebbs, you will be able to identify and/or collect seaweeds of the rocky intertidal zones.

If you wish to collect fungi in the forest, please use the colored identification tags provided for this foray. There are two easy walking forest trails. The Ski Loop Trail is predominantly coniferous (the usual spruce, fir, pine and less common pitch pine) while Little River Trail has more deciduous forest of differing ages. Both trails have lots of downed, rotting trees with pockets of wetland.

You may wish to sunbathe or swim in the ocean or in the warmer lagoon. Bring bug dope, just in case. This island is noted for its voracious greenhead flies and mosquitoes. Bag lunches will be provided. You will be able to use the shelter for lunch.

1:00 - 4:15 ⑥ Hedgehog Mountain, Freeport 15-20 minute bus trip. Leader: Rick Van de Poll

This 196 acre tract of rich woods, owned by the Town of Freeport, has over 5 miles of well-marked trails, and is mostly easy walking, though there are some large rock outcrops on some trails. You will start by crossing a stream on a bridge into a moist, predominately conifer forest. As you continue, the trail will fork. To the left, the forest changes to mostly hardwood: ash, maple, beech, and oak. The trail to the right will bring you to good mixed forest with young and old trees and a few wet areas and streamlets. Across the road from the parking area is another, short trail with another stream and bordering the town playing fields you will find mixed forest, including some poplar.

1:00 - 3:45 ⑦ Whiskeag Trail/ Oak Grove Cemetery, Bath, 15-20 minute bus ride.

The trail starts on the south side of the road in a narrow swath of forest along a power line. Walk for five minutes and you will be in a much wider mixed forest along Whiskeag Creek. You will encounter some seasonal streams and low areas. The forest has stands of hemlock, oak, beech, and birch with some spruce. This portion of the trail ends at Oak Grove Cemetery, maintained in the old park style, with two small ponds, and large oaks, pines, spruce, maples and hemlocks. It also has pockets of trees of varying ages. Look for a tall granite marker in the shape of an oak snag, the Morse grave; the gravestone engraved "BOO"; and the graves of the shipbuilding Sewalls in a small, separate area.

8:15 - 12:00 ⑧ Sam Ristich Nature Trail, North Yarmouth, 30 Minute bus ride. Leader: Ruthie Ristich

What foray in Southern Maine would be complete without having Sam involved some way? Sam created a nature walk with markers for this trail behind the North Yarmouth Elementary School. Get to the trail head by walking along the edge of the playing fields, into an older pine forest, changing to mixed hardwood on a sandy soil slope. About a ten minute walk will bring you to a paved road. Cross to a loop trail in

SATURDAY

SATURDAY

a forest with some hickory, not common in Maine. Loop to the right, counter clockwise and you will be near the bottom, damp part of the hill. Follow the trail around and climb uphill easily, continuing through older mixed forest with nice beech, hemlock, pine and oak back to the paved road. If, near the bottom of the hill, you find yourself on a flat road-like berm, backtrack quickly. This is an old narrow gauge trolley bed and will not bring you back to where you started.

8:15 - 11:45, ⑨ Bradbury Mountain State Park, Pownal Approx. 20 minute bus ride. Leader: Dale Lavine

We have been granted special permission to collect in this inland, 800 acre State Park. In exchange we will be providing a list of our finds to the state. Please use the colored identification tags provided for this foray. No following cars, please. There are over 6 miles of well-marked trails for you to choose between. The forest is predominantly hardwood: oak, maple, beech, some birch and ash with a bit of pine and hemlock. There is a small grove of pines near the parking lot, and a good stand across the road. The camping area also has trails into a mixed forest. Ambitious? Climb the 0.3 mile trail, quite steep in places, to the summit, at an elevation of 405 feet and enjoy great views of the coast.

8:30 - 3:00, ⑩ Jamies Pond WMA, Hallowell/Manchester, all-day trip, 40 minute bus ride.

This 860 acre forest was part of the Vaughan estate in the late 1700s and early 1800s. Look for the tall granite boundary marker and stone walls. You will find miles of trails with excellent junction signs. The cold, deep-water, kettle hole pond is surrounded by steep slopes and upland forest of pine, beech, poplar, birch, fir and hemlock. Take a refreshing dip at the boat launch, on the rocks at Pine Point, or by walking a few minutes down the fishermen's trail just past the old pump station to jump in from the rocks, Maine style. The mushrooming is good this side too! Bag lunches will be provided.

12:45 - 3:30 ⑪ Bowdoin College Coastal Studies Center, Orr's Island 20 minute bus ride. Leader: Nat Wheelwright

The Bowdoin Coastal Studies Center is 118 acres with 2.5 miles of shoreline and good trails up and down the three peninsulas extending into Harpswell Sound. With good views of the cribstone bridge, a unique engineering marvel that connects Orr's and Bailey Islands, the Center has open fields, northern white cedar stands, old growth red spruce and balsam fir with mixed deciduous forest.

1:00 - 3:15 ⑫ Cox Pinnacle, Brunswick, 10 minute bus trip. Leader: Kala Ladenheim

The highest point in the Town of Brunswick, at a wicked high 350', is located on this 103 acre property owned by the town of Brunswick. You will be in an area heavily forested with oak, birch, pine, fir and spruce. There is a bridge across a significant forested wetland. There is a good trail system, but, alas, not much of a view from the top.

Use the buddy system. If you become lost, blow your whistle.
Cell phone coverage may be unreliable in some locations.

SCHEDULE (More lecture and workshop details are in the booklet under appropriate faculty member.)

🍴 Meals will be served at Moulton Union. 42 Breakfast 7:00-8:30, Lunch 12:00-1:00, Dinner 5:00-6:45; except Saturday Banquet, (see schedule listing.)

Registration is required for some workshops and forays. 67 Sign up times are listed in your large booklet.

Refer to Location key and map, to the right

THURSDAY PM

- 2:30-4:00 **Foray 1** (details, over)
- 13 4:30-5:30 **Faculty meeting** with Principal Mycologist, **Seanna Annis**
- 13 7:00-7:15 **Welcome**, Foray Chair, **Del Small**, Introduction of Faculty; **Seanna Annis**, Introduction of Richard Homola and Sam Ristich Scholarship recipients
- 13 7:15-8:15 **Don Cameron: Balsam Fir to Red Oak, an Introduction to Maine's Common Forested Habitats and Their Fungi**
- 62 8:15-10:00 **Social**, Maine farm stand cheese and wine provided.

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- 8:15-10:00 **Forays 2-5, departures** (details, over)
- 32 8:30-10:30 **Workshop, Michaeline Mulvey, The trees in our forest; a beginner's guide to tree identification**, rm 206
- 31 8:30-9:30 **Lecture, Dorothy Smullen, Lichens 101**, rm 20
- 31 **canceled** **Lecture, Tamas Peredy, Medical Management of Mushroom Poisonings**, rm 16
- 31 9:15-9:45 **Lecture, David Porter, Marine and Maritime Fungi**, (intro pre Foray #5, over), rm 4
- 31 9:40-10:40 **Lecture, Delmar Small, Too Many Names! Recommendations for streamlining recording processes**, rm 20
- 31 9:40-10:40 **Lecture, Greg Marley, Medicinal Use of Wild Mushrooms: The Evidence and the Mushrooms**, rm 16
- 31 10:50-11:50 **Lecture, David Malloch, Finding All the Creatures: What is an 'All Taxon Biological Inventory (ATBI)?'** rm 4

FRIDAY PM

- 1:00 **Forays 6-7, departures** (details, over)
- 31 1:00-3:00 **Workshop, David Spahr, Photographing Mushrooms**, rm 4, **pre-register**.
- 32 1:00-4:00 **Workshop, Jason Karakehian: Ascomycete Microscopy for Beginners**, rm 206, **pre-register**.
- 31 1:00-2:00 **Lecture, Gary Lincoff, Mushroom Identification is not Rocket Science**, rm 16
- 31 1:00-2:00 **Lecture, Renee Lebeuf, Lepiotas of the Northeast**, rm 20
- 31 2:10-3:10 **Seanna Annis, Fungi in the Garden**, rm 20
- 31 2:10-3:10 **John Plischke III, Where to Get Free Legitimate Literature to Use in Identification**, rm 16
- 67 3:20-4:00 **Display table rounds**. Faculty
- 13 7:15-7:45 **Summary of outstanding finds of the day; awards: Faculty**
- 13 7:45-9:00 **Keynote Lecture, P. Brandon Matheny, Origins and Patterns of Diversification in Ectomycorrhizal Fungi**

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- 62 9:00-11:00 **Social with Mycophagy and Maine farm stand cheeses and wine.**
- 8:15-8:30 **Forays 8-10, departures** (details, over)
- 32 8:30-11:30 **Workshop, Laurie Leonard and Seanna Annis Beginning and Intermediate Microscopy**, rm 206, **pre-register**.
- 31 9:00-10:50 **Workshop, Mary Volin, Understanding the Experience of Color**, rm 16
- 31 8:30-9:30 **Lecture, David Malloch, Sorting Out the Cortinarius**, rm 4
- 31 9:40-10:40 **Lecture, Rod Tulloss, Recent Research in the Amanitaceae**, rm 4
- 31 10:50-11:50 **Lecture, Sue van Hook and Jake Winiski, Mushroom Packaging and Beyond**. rm 4
- 31 11:00-12:00 **Lecture, Alissa Allen: Exploring Mushrooms and Lichens for Dyes**, rm 16

SATURDAY PM

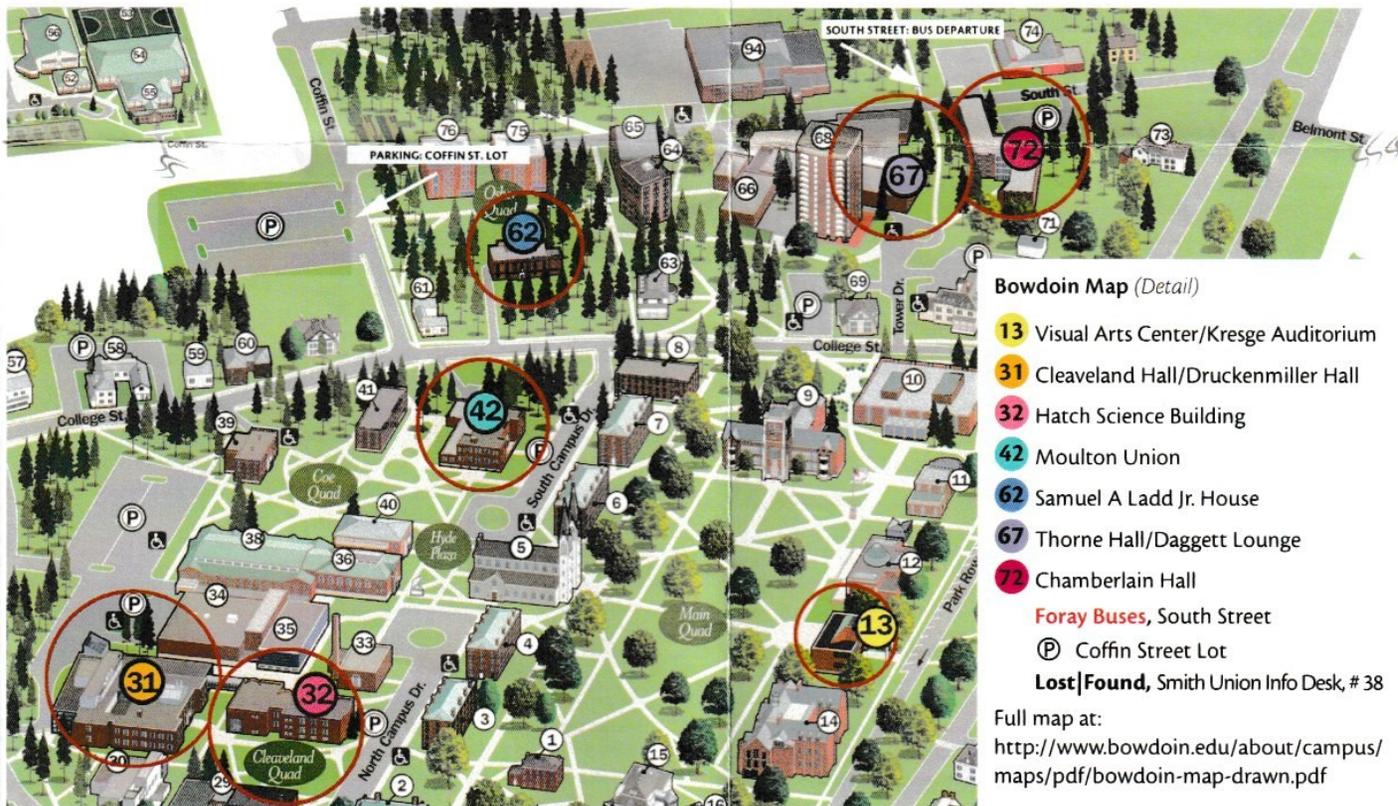
- 12:45-1:00 **Forays 11-12, departures** (details, over)
- 31** 1:00-3:00 **Workshop, Michaeline Mulvey**, *Roundtable Discussion on Commercial Harvest with Kevin Smith, Evan Strusinski and Tom Doak*, rm 20
- 32** 1:00-4:00 **Workshop, Jason Karakehian: Ascomycete Microscopy for the Intermediate Microscopist/ Mycologist**, rm 206, **pre-register**.
- 31** 1:00-2:00 **Lecture, Noah Siegel**, *It's Called What Now?*, rm 16
- 31** 1:00-2:00 **P. Brandon Matheny**, *Fungi of Australia*, rm 4
- 31** 2:10-3:10 **Lecture, Walter Sturgeon**, *Waxcap Destiny*, rm 16
- 67** 3:20-3:50 **Display table rounds**. Faculty
- 31** 4:00-4:50 **NEMF Trustees Meeting**, all welcome, rm 4

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- 42** 5:00 **Faculty Group Photo** (outside by bear)
- 67** 5:00-6:45 **Banquet** (grounds or tent)
- 13** 7:15-8:00 Summary of outstanding finds of the day; awards, Faculty. Invitation to NEMF 2015, host committee.
- 13** 8:00-9:00 **Lecture, Raymond Archambault**, *Lost in the World of Fungi*
- 62** 9:00-11:00 **Farewell Social** with Maine farm stand cheeses and wine.

SUNDAY

- 67** 9:00-11:00 **Display tables**, Guided Tour with members of the foray faculty
- 11:00-12:00 Clean up
- 7:00-1:00 Check out, return key



Bowdoin Map (Detail)

- 13** Visual Arts Center/Kresge Auditorium
- 31** Cleveland Hall/Druckenmiller Hall
- 32** Hatch Science Building
- 42** Moulton Union
- 62** Samuel A Ladd Jr. House
- 67** Thorne Hall/Daggett Lounge
- 72** Chamberlain Hall

Foray Buses, South Street
P Coffin Street Lot
Lost|Found, Smith Union Info Desk, # 38

Full map at:
<http://www.bowdoin.edu/about/campus/maps/pdf/bowdoin-map-drawn.pdf>