New England Society of American Foresters

News Quarterly

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Professional Ethics at Salt Lake City Convention

Lloyd C. Irland

At the Salt Lake City Convention, professional ethics received more opportunities for discussion than at any other convention that I can recall. The subject received strong support from the Program Committee. The program included three separate sessions. One was a discussion session led by Tom Davidson, a popular speaker on management subjects. Another on ethics in research was led by Marcia Patton-Mallory, a recently retired forest service research manager who helped write the Service's Research Ethics guidelines, and a section on ethics in forest practice led by myself. As luck would have it. Conflicting obligations made me miss the first 2 sessions. Because the Convention was joint with CIF and IUFRO, and the program was very dense, attendance was across spread thinly ours on sessions, but well attended as eral other ethics was different topics. Several observations emerge from the experience of setting up this panel and from our discussions.

1. Program Chair Jeremy Fried and I both spent time trying to recruit people to discuss specific cases they had experienced. People would tell us about some situation where they felt ethical rules had been violated, but when asked to discuss the issue as a learning case, they declined. After a while, we gave up on this approach. I still believe people would rather discuss concrete situations than abstract principles (Kant's Categorical Imperative etc). But getting people to talk is like pulling teeth. Why is this? Some theories: (a) people feel ill trained and ill qualified to discuss such an arcane topic; (b) they may fear repercussions if the person involved is identified and

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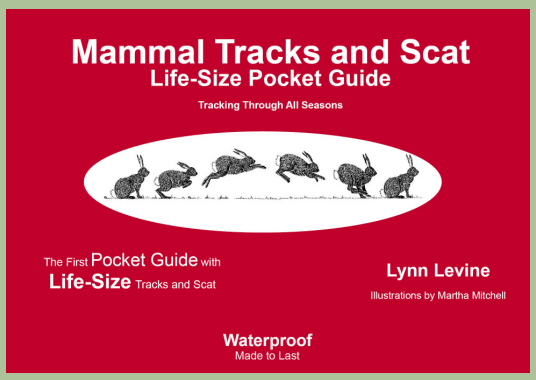
The Book Shelf:
Mammal tracks and Scat– Life-Size Pocket Guide

Review by David Kitteridge

I recently had a chance to review Lynn Levine's *Mammal Tracks and Scat: Life-Size Pocket Guide*. Paul Catanzaro, Extension Assistant Professor at UMass, and I have used the original version in our Keystone training for the past few years, and it is always very popular with participants. I think Lynn has done a wonderful job of capturing the essence of the original product, and packaging it in a pocket-sized format that will really improve its use! She has kept all the good attributes: spiral binding, waterproof format, simple illustrations, and put it all in a package that will be easy to bring along! I am sure we will be using the pocket-size version in future Keystone training workshops!

The ability to notice and identify wildlife sign is fascinating for many people. Lynn's new life-size pocket guide will be a real eye-opener for many, and will really enhance their outdoor experience. I would like to thank Lynn very much for her creativity in devising such a fun product, and her vision and perseverance in making it a reality.



The book can be purchased at heartwoodpress.com.

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holds authority over them; (c) there is no tradition in American forestry of such discussions.

2. In contrast, our panelist from a Center on Ethics in Engineering at Texas Tech, Richard Burgess, told us that there is active discussion of individual cases in engineering, in both journals and at meetings. Their rules are well institutionalized and very detailed.
3. Mike Larock of the Association of BC Forest Professionals represented British Columbia. He reviewed their very detailed process of ethics and professional practice enforcement and handed out copies of the ethics code in use there. The BC process generated good questions and discussion.
4. Panelist John Mount of California also added useful thoughts and noted that the SAF chapter in California often prints notes on ethics cases.
5. One purpose of this panel was to expose SAF members to ethics codes and practice in allied fields.
6. A number of attendees commented that they felt SAF ought to be doing more to educate members on professional ethics.

After this session, it was hard not to conclude that SAF is well behind the engineering profession and its Canadian colleagues in developing an active culture of ethical discussion and debate.

Do you agree? If so, what do you think NESAF ought to be doing about it? Please let our officers know what you think.

First, take a look at the following ethics codes and compare them. It will take little time on some rainy afternoon.

- www.safnet.org/about/codeofethics.cfm?printPage=1&
- http://www.rangelands.org/cprm_public/
- http://www.nspe.org/resources/ethics/code-ethics
- http://www.cif-ifc.org/wp-content/uploads/2014/05/Code_of_Ethics_English.pdf

Does this comparison give you any ideas?

You can read a bit more about these sessions in an upcoming article on Forestry Source by Todd Morgan, member of the Ethics Committee.

Chair Column: Jim Harding

Happy New Year! Hopefully your emergence on this side of the holiday season leaves you feeling refreshed and hopeful if not just a little bit heavier following several weeks of assorted Christmas cookies. The NESAF Executive Committee has been carrying on with business despite a wet, heavy snowstorm keeping us from meeting in person for our last meeting.

There are a few items worth bringing up as we march into the New Year. In October, Paul Dolan, NESAF Chair-Elect and I attended the House of Society Delegates (HSD) meeting at the SAF National Meeting in Salt Lake City, Utah. These meetings are attended by the Chairs and Chair-Elects of each state society. The purpose is to maintain a dialogue between the national office and these state societies. More specifically, we engaged with national office staff, our new CEO, Matt Menashes, the Policy Staff, SAF President, Dave Walters, and others.

During the day-long HSD meeting, each state society shared the issues that they are dealing with. A few common themes were echoed by several societies. Specifically, many of us find ourselves wrestling with the same challenges, such as stagnant or declining memberships, the difficulties with cultivating and encouraging new leaders, and maintaining a viable presence amid public discourse on forestry and natural resource issues. Answers to these challenges were few, but there was some discussion about targeting college leaders and grooming them through leadership academies.

The policy staff, in particular, wanted to make sure state societies know about them as a resource to help with local or regional issues. They also want state societies to encourage their members to connect with them when traveling to the DC area. The national policy staff will be happy to take members along when engaging with professional staffers in particular when an SAF member's Senator or Representative is on an important committee.

The Northern Long-eared Bat (NLEB) is a species that has been particularly hard hit by White Nose Syndrome. As a result, the USFWS has proposed to list this species as federally threatened or endangered per the Endangered Species Act. Allegheny SAF, New York SAF, and NESAF joined together to submit a letter to the USFWS during the comment period back in August. This letter was exceptionally well-researched and clearly argued. As result of this letter, I attended a meeting in Hadley, MA at the USFWS offices in early December along with members from the other two

Submitted by Coundil Rep. Andy Hayes
From the SAF President and Vice-President
By Bob Alverts and Clark Seely

December 9, 2014

We are delighted and excited to serve our SAF colleagues and work with an excellent new Board of Directors (formerly Council) in our respective roles for 2015. But first, we want to acknowledge the excellent work of 2014 President Dave Walters and Immediate Past President Joann Cox for their leadership efforts, and particularly in hiring an outstanding Chief Executive Officer (CEO) in Matt Menashes. Matt has hit the ground running and is doing an excellent job of leading SAF. We also want to acknowledge the excellent job that Louise Murgia did as interim Executive Vice-President following Michael Goergen's departure.

Our theme for 2015 is "Growing the Pie" in all its dimensions and includes eight major priorities:

- Being responsive to member needs and delivering key, relevant services (learning opportunities, forums for communications, an effective website);
- Retaining current members and recruiting new ones, particularly younger members;
- Continuing our strong policy, education, and science programs;
- Growing relationships and partnerships with allied professional societies and related organizations;
- Generating new sources of revenue to expand SAF's financial health and stability;
- Continuing to examine SAF's governance structure and developing a new SAF Board Policy and Governance manual;
- Preparing for and delivering a strong national convention in Baton Rouge and state society meetings; and
- Identifying and preparing future SAF leaders. We want to play the rookies!

We consider these priorities in the context of a financial position that has never been better, and provides new opportunities for SAF thanks to the work of previous SAF Councils and respective Finance Committees that provided investment guidelines on account management, SAF finance staff, and the generous donations of members and friends of SAF. Over the past several years, which included one of the nation's worst recessions, our financial reserve accounts have increased by 85 percent to an amount just under $3.7 million. And while we have struggled to keep our annual budgets from operating in a deficit on a cash basis, largely due to revenue declines tied to a continued reduction in membership over a number of decades, we have also worked hard to keep expenses down and nearly constant.

Just last week we added significant new cash to our portfolio, as we closed on the sale of the surplus

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state societies to present our case in person. The thrust of our argument was that forest management should not be seen as a threat to the NLEB, but rather can be an agent of change to help improve habitat. I have to say that I was especially pleased with the tone and outcome of the meeting. I left Hadley feeling as if the USFWS sees our profession in general and our organization in particular as valuable partners when it comes to wildlife conservation. While we won't know the outcome of the USFWS listing decision for a few months, I'm guardedly optimistic that we were heard.

As my tenure as NESAF Chair is concluded, I look forward to serving our society in other ways. And I'll close here with a call to the membership at large to consider one of a number of opportunities to serve. We are looking for members to step up and serve as the Forest Science Coordinator, the Website Administrator, and Policy Chair. We are also looking for someone or some people to step in to take over as News Quarterly editor(s). As I make this plea, I'm aware that many people are probably hesitant believing themselves too busy or without the skills to serve. Well I'm reminded of something I heard years ago before my wife and I decided to have kids—"If you wait until you have enough money and time and knowledge to have kid—you'll never have 'em." I think the same thing can be said for service on the Executive Committee. I'm quite certain that none of the current EC members feels that we've been flush with extra time over our terms on the committee. Nor do I personally feel as if I have any particular skill. But a funny thing happens once you make the commitment to serve—you not only find the time to serve, but you find other benefits as well: meeting excellent professionals from around New England, learning about what other foresters are dealing with in their areas, and the great satisfaction one gets from serving a greater cause.

So as you evaluate your New Year's resolutions, I'd ask you to think again how you might be of service to NESAF and contact one of the current EC members. Best wishes to you all for a happy, healthy, and prosperous new year.

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property at the SAF national headquarters with new net assets to SAF of $13.8 million. These resources are being invested in a diverse portfolio managed by M&T Bank and guided by the Board Finance Committee that works with Matt and SAF staff. We owe our special thanks to Michael Goergen for leading this effort from the outset, and also to Louise Murgia, Jorge Esguerra, and Matt for getting this important work done on our behalf. Using a small portion of these funds, we are making some wise investments to enhance SAF staff capacity to grow SAF programs that will meet member needs and generate new revenue. These specifically include membership, marketing, and local unit support services.

Regarding major challenges we face, there is one area of strong interest by all members—the condition of the SAF website. As much as we want the website to be fully functional, and we are working hard to make it so, it remains a complex and challenging task. There has been good progress on the member portal and online membership renewals are generally working well. But other dimensions of the website and the associated databases, which provide key and relevant information for the website to function as we want it to, remain a technical challenge and will require more time to get right. But we will keep after this until it is fully functional and effective.

Within the framework of the new bylaws just approved by the membership, the SAF Board is also working on a first-ever Board Policy and Governance manual to guide our work and that of the CEO. It will help guide the Board in being more strategic, spending time on achieving SAF's "ends" goals. The Board's Strategic Planning, Finance, and Audit committees will work hard to achieve these goals along with the efforts of the House of Society Delegates, Forest Science and Technology Board, Policy Committee, and Student Congress.

Forestry, like engineering, education and medicine, is a profession that includes many disciplines and specialties. Because of this, there is room for every interest and personality in this broad profession. Think of the benefits to SAF if each of us recruited one or two non-member students or natural resource professional colleagues or co-workers. We need them, and they need us, so please do your part to help grow the pie!

Again, we are incredibly excited about this upcoming year and the new opportunities it will bring. To be successful though, we need your continued involvement, engagement, and participation in your organization. Please keep in contact with us and let us know how we can serve you better. Remember, it's a great time to be a SAFer!

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Quarterly Theme Mark Rudnicki - Theme Editor

New England's Tick Borne Diseases

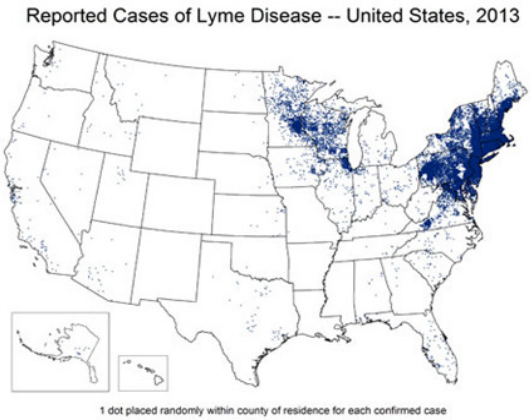
Weary of constant tick vigilance? Stopped doing daily tick checks, discontinued spraying clothes with permethrin, and refuse to tuck in your pant legs (looks ridiculous right)? This article is then aimed at you. Those who work in the woods must practice preventive behavior. Tick borne diseases are spreading and increasing their infection rates.

Tick diseases are debilitating and in rare cases have led to death. In the northeastern US, tick-transmitted pathogens can cause FIVE diseases and in order of prevalence are Lyme disease, Babesiosis, Anaplasmosis (ehrlichiosis), Rocky Mountain Spotted Fever and Tularemia.

Lyme disease is the most commonly reported vector borne illness in the United States. In 2013, it was the 5th most common Nationally Notifiable disease. An average of 33,000 people get Lyme disease in the US each year (2012 CDC report). However, with most cases thought to go unreported or misdiagnosed, the Centers for Disease Control estimates actual rates of infection may be up to 10 times higher. In 2013, 95% of confirmed Lyme disease cases were reported from 14 states, with disease rates in the New England States leading the country: 1. Vermont, 2. New Hampshire, 3. Maine, 4. Connecticut 5. Massachusetts, and 6. Rhode Island.

With proper precautions tick bites and consequences are completely preventable. So what are the consequences? Lyme disease is rarely fatal, but can change your life for the worse. Lyme often begins with flu-like symptoms, headaches, fatigue, swelling of the joints, muscle pain and gastrointestinal distress. Fewer than half of all Lyme patients recall being bitten or develop tell-tale skin eruptions. As a result many are misdiagnosed with other disabling illnesses such as chronic fatigue, fibromyalgia, or MS. Lyme disease effects people differently adding to the difficulty of diagnosis. As Lyme disease progresses, it can attack the nervous system, producing learning disabilities, mood swings, anxiety and depression, panic attacks, obsessive behavior, sudden rages and other psychiatric diagnoses (Valarie Andrews 2004). At times the psychiatric effects of Lyme can confuse diagnosis by a mental health evaluation as many symptoms are not addressed.

While those who work in the woods may be more attuned to the onset of symptoms you are no less susceptible if you are not taking the proper precautions. Lyme or other tick borne diseases need not be an accepted job risk just because you work outdoors.



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Top things you should know about ticks – taken from *Tickencounter Resource Center*

9. All ticks (including deer ticks) come in small, medium and large sizes.
Ticks hatch from eggs and develop through three active (and blood-feeding) stages: larvae (small-the size of sand grains); nymphs (medium-the size of poppy seeds); adults (large-the size of apple seeds). If you see them bigger, they're probably partially-full or full of blood. So size is not a good way to determine which species you are dealing with.

8. Ticks can be active even in the winter
Adult stage deer ticks become active every year ***after*** the first frost. They're not killed by freezing temperatures, and while other ticks enter a feeding diapause as day-lengths get shorter, deer ticks will be active any winter day that the ground is not snow-covered or frozen.

7. Ticks carry disease-causing microbes
Tick-transmitted infections are more common these days than in past decades. With explosive increases in deer populations, extending even into semi-urban areas in the eastern and western U.S., the trend is for increasing abundance and geographic spread of deer ticks and Lone Star ticks; and scientists are finding an ever-increasing list of disease-causing microbes transmitted by these ticks: Lyme disease bacteria, Babesia protozoa, Anaplasma, Ehrlichia, and other rickettsia, even encephalitis-causing viruses, and possibly Bartonella bacteria. Back in the day, tick bites were more of an annoyance but now a bite is much more likely to make you sick.

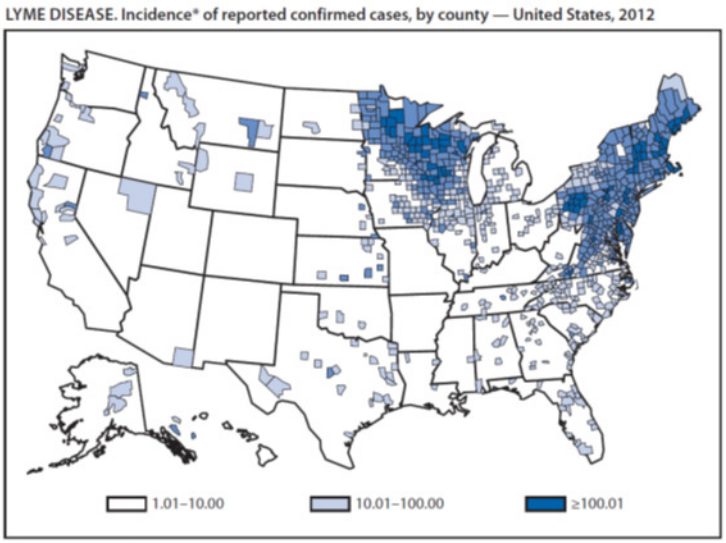

Figure 2: An average of 33,000 people get Lyme disease in the US each year (2012 CDC report)

6. Only deer ticks transmit Lyme disease bacteria
The only way to get Lyme disease is by being bitten by a deer tick or one of its "cousins" found around the world. Deer ticks also are known as blacklegged ticks. Dog ticks, Lone star ticks and other types of ticks just don't seem to be able to transmit Lyme disease. While that's good news, it makes saving any tick that you find biting more important so you can identify it. Doing so may save a lot of unnecessary doctor visits and treatments.

5. For most tick-borne diseases, you have at least 24 hours to find and remove a feeding tick before it transmits an infection
Even a quick daily tick check at bath or shower time can be helpful in finding and removing attached ticks before they can transmit an infection. The germs eventually make their way into the tick's salivary glands and the tick spits them into you while feeding. Some infections, especially viruses, move into the tick salivary glands faster than others. Lyme disease bacteria take at least 24 hours to invade the tick's saliva.

4. Deer tick nymphs look like a poppy seed on your skin
And with about 1 out of 4 nymphal deer ticks carrying the Lyme disease spirochete and other nasty germs, it's important to know what you're really looking for. They're easy to miss, their bites are generally painless, and they have a habit of climbing up (under clothing) and biting in hard-to-see places.

3. The easiest and safest way to remove a tick is with a pointy tweezer
Think of a tick as a little germ-filled balloon.

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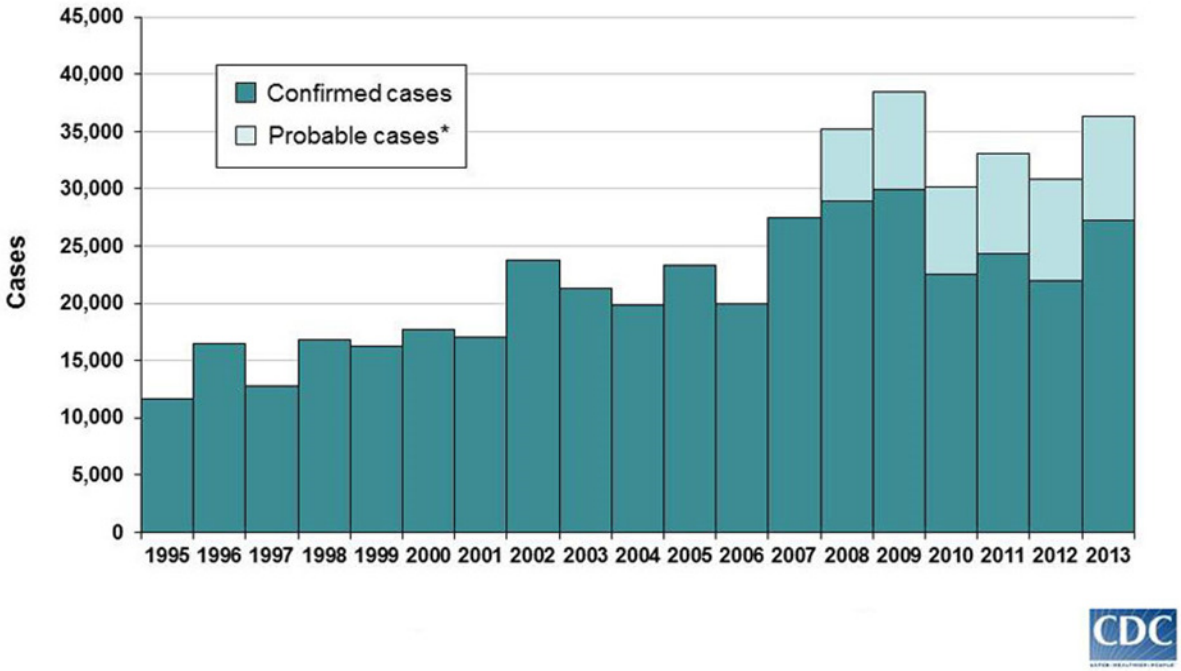
Squeeze it too hard on its back end, and all the germs get pushed to the front end, which by the way, is attached to you by the tick's straw-like mouthpart. Using really pointy tweezers, it's possible to grab even the poppy-seed sized nymphs right down next to the skin. The next step is to simply pull the tick out like a splinter. Don't worry if the mouthpart stays in your skin as long as you've got the rest of the tick by its head. Other tick removal methods, like a hot match, Vaseline, dish soap and cotton, or various little key-like devices don't work as consistently as pointy tweezers on all types of ticks. Remember to save the tick and try to identify it.

2. Clothing with built-in tick repellent is best for preventing tick bites

An easy way to avoid tick bites and disease is to wear clothing (shoes, socks, shorts or pants, and shirt) with permethrin tick repellent built-in. Commercially-treated tick repellent clothes last through at least 70 washes, while using kits or sprays to treat your current outdoor wardrobe can last through 6 washes.

1. Tick bites and tick-borne diseases are completely preventable

There's really only one way you get a tick-transmitted disease and that's from a tick bite. Wearing tick repellent clothing every day, getting into a habit of doing a quick body scan for attached poppy-seed sized or larger ticks, and pulling ticks off quickly and safely are all great actions for preventing tick bites. These days, ticks are more than just an annoyance. One bite can make you sick, even change your life!

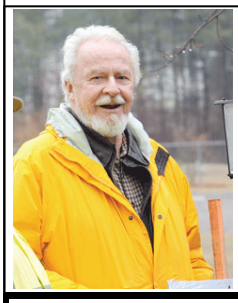


Additional information

1. http://www.cdc.gov/Lyme
2. Tick Management Handbook (Connecticut Agricultural Experiment Station, New Haven) http://www.ct.gov/caes/lib/caes/documents/special_features/tickhandbook.pdf
3. University of Rhode Island TickEncounter Resource Center http://www.tickencounter.org/

IN MEMORIAM

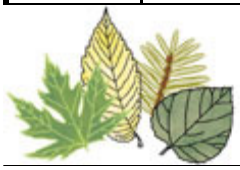
Walter P. Gould, 89, of Wakefield, RI died peacefully at his home on Friday November 21, 2014. Upon graduation of high school, he enlisted in the U.S. Army Air Corps, serving as a nose-gunner and navigator on B-24 bombers, achieving the rank of Sargent. Following the end of World War II, he enrolled at the University of Massachusetts where he received his bachelor's degree in forestry. After earning his master's degree from The Yale School of Forestry, Walter took a job with the Brown Company as a forester in the western mountains of Maine. Later he joined the faculty at the University of Rhode Island where he taught forestry and wildlife for 32 years. While at URI, he earned his PhD in Forest Biology from Syracuse. Upon retirement, he was a consulting forester with his friend Jim Brown for over 20 years. He also took advantage of sabbaticals, spending time at Huntington Forest in the Adirondacks while performing his doctoral research on the witch-hobble plant. He also spent a year in Newfoundland studying moose, as well as a summer in the Yukon Territory doing research with the Arctic Institute. Walter was an active member of the Society of American Foresters since 1961.



Howard "Crow" Dickinson, 78, passed away on October 8, 2014. Howard graduated from Harvard in 1958 and the Yale Forestry School in 1966 with an MF. He was a navy veteran, spent 32 years in the NH legislature and served many years as a Conway selectman. Besides being a consulting forester, he was also a member of the first Current Use Advisory Board and a director of SPACE.

NEWS QUARTERLY Publication Calendar

Issue	Submission Deadline	Publication Date
January	December 22	January 15
April	March 22	April 15
June	May 22	June 15
October	September 22	October 15



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DIVISION NEWS

Maine - Anthony Filauro

2013 Silvicultural Activities Report

The Maine Forest Service recently issued the 2013 Silvicultural Activities Report.

The report can be viewed at: http://www.maine.gov/dacf/mfs/publications/annual_reports.html or go to the maineforestsevice.gov website.

Emerald Ash Borer

The quarantine area for the emerald ash borer has been expanded in Massachusetts and New Hampshire. Information about the infestation in New Hampshire can be found at www.nhbugs.org The emerald ash borer has not been found in Maine; however concerns have heightened since EAB has expanded toward Maine's border with New Hampshire. Information about EAB and how to recognize this pest is available at: www.maine.gov/eab

Canada Lynx

The Canada lynx is considered threatened under the Endangered Species Act. Recently two lynx were killed when caught in legally set traps in northern Maine. The state responded by closing above ground trapping in that part of the state. Also a survey program was initiated to determine the size of the lynx population in the area of concern. The population was thought to be between 750-1000 animals; however it's anticipated that the population of lynx may have increased since the last survey was conducted several years ago. The larger population may have precipitated the unintended taking of these two animals. It is uncertain when survey results will be available for analysis or whether the updated numbers will have bearing on forest management activities in the effected area.

Winter Moth

The Maine Forest Service has requested that sightings of winter moths be reported to the MFS, to help determine the dispersal of this invasive pest. The spread of this moth along Maine's coastline has been expanding. The moth is relatively small in size and is tan in color. Only males can fly; females are flightless. The moth is active in December and January. If moth activity was observed late in 2014 or early in 2015, the public is asked to submit that information through a survey that can be accessed online at: www.maineforestservice.gov Click on "Invasive Insects"; then click on "Online Form". Reports can also be filed by phone at (207) 287-2431.

MESAF Meeting

Approximately ninety individuals attended the MESAF meeting held October 14 at the University of Maine. The program focused on three subject areas: 1. Climate change, 2. Early forest stand treatments and 3. Managing small forest blocks.

Climate Change: The issue of climate change was addressed from different perspectives by Dr. William Livingston with the School of Forest Resources; Andy Whitman with the Manoment Center for Conservation Research; Bill Patterson with The Nature Conservancy, and Amada Shearin with the Maine Department of Inland Fisheries & Wildlife. Numerous issues were outlined by the speakers and observations made across Maine's forestlands were discussed that may be indicative of a changing environment.

Early Stand Treatment: The subject of early forest stand treatments was addressed by Brian Roth with the Cooperative Forestry Research Unit; Emma Shultz with LandVest, and Kirby Ellis with Ellis Forest Management. Forest treatments to control stand composition, plant competition and stand density were the main topics discussed. Silvicultural programs that were conducted in the 1980's and 1990's were reviewed.

Small Forest Blocks: The management of small forest blocks was addressed by Jeff Williams with Maine Forest Management; William Cole with Trees Ltd, and Cliff Foster with Timberstate G. Issues concerning landowner objectives, equipment limitations, stand access and financial constraints were the main focal points presented by the speakers.

Business Meeting: A business meeting was held prior to commencement of the featured presentations outlined above. During the business meeting individuals were recognized who reached significant milestones in SAF membership: recognized for **60 years** of membership was Wallace C. Robbins; **50 years**: Albert J. Childs; **40 years**:

(Continued on page 11)

State News

(Continued from page 10)

Ralph S. Charles III; Thomas A. Dodd; Roger I. Johndro; David I. Maass; Douglas W. Mahan and Rene D. Noel Jr; **30 years:** David B. Dow; John R. Gwaltney; David K. Harvey; William R. Jarvis; Robert W. Krantz; Joel P. Swanton and William T. Newcomb. Congratulations and appreciation is extended to these individuals for their commitment to SAF and their dedication to forestry.

Dr. Robert Seymour was recognized for supporting proper forest management practices and for conservation of Maine's forest resources. Bob received the "Cliff Foster Tell it Like It Is Award". Congratulations are extended to Bob for his commitment to forestry and advocacy for the stewardship of Maine's forest resources.

Connecticut - Mel Harder

10th Annual Forest Forum

submitted by Chris Donnelly

On October 29th, the combined Connecticut Forest Forum / Connecticut Urban Forest Council Conference was held. Primary sponsors were the CT Urban Forest Council the CT Forest and Park Association. The attendance was just under 200 people, who heard from a variety of speakers on wide range of relevant topics.

The Keynote Speaker was Eric Rutkow, who spoke on "A Historian Looks at America's Trees: The Great Shift". The shift that Mr. Rutkow referred to in his talk is that of how American society at large turned from viewing forests largely as a resource to be exploited until it was gone and to-

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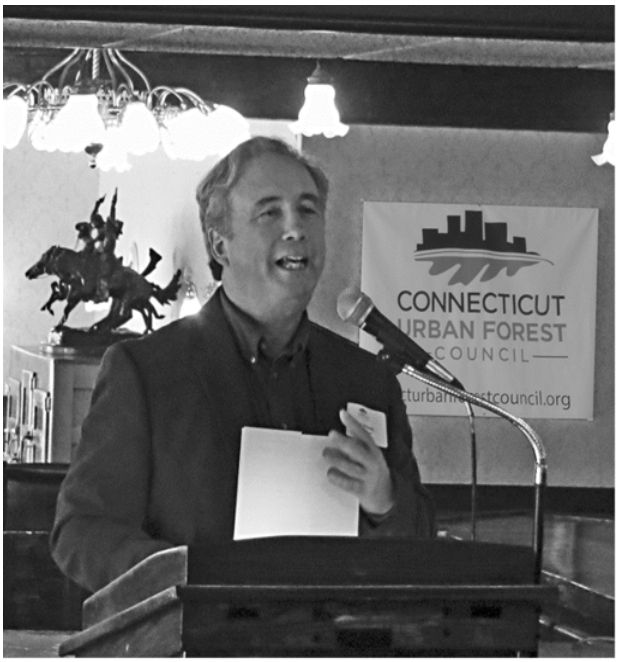

Chris Donnelly, CT DEEP Urban Forester, opens one of several breakout sessions at the 10th Annual Forest Forum

wards viewing them as an asset to be managed. He began his talk discussing the role Frederick Weyerhauser played in helping to initiate this shift, before moving on to discuss other key players such as Gifford Pinchot and both the Presidents Roosevelt, with an emphasis on FDR.
Eric an environmental lawyer with degrees from Yale and Harvard, who grew up in New Jersey and is now pursuing an advanced degree in history.
Following the keynote session, the meeting divided itself out into breakout sessions, with individual sessions covering "Non-Traditional Forest Products", "Beyond Arbor Day in our Schools and Neighborhoods" and "New Technologies in Tree Care". The first session encouraged a dynamic and innovative view of the forest, touching on new uses such as edible forest gardening or the harvest of forest mushrooms. The second session discussed ways to engage people in events such as tree planting and tree care that are more than one-time theme events. The final session introduced the attendee to such new techniques in arboriculture and forestry as ground penetrating radar and non-destructive assessment of internal decay in trees.

Following lunch, a panel discussion was held that included representatives from the Public Utilities Regulatory Authority, the electrical utilities, the tree wardens and an environmental group. The final session gave the podium over to CT Forest Planner Helene Hochholzer, who discussed the mid-term update to the state's Forest Action Plan.
The day received great reviews from the folks who attended. Among the highlights of the day is the opportunity for networking. The Forest Forum/ Urban Forest Conference is a unique opportunity to bring people interested in trees and forests from a broad cross-section together in one place. As such, there is a great deal of sharing of ideas that occurs over the course of the day.

Soil Health Workshop

submitted by Ray Covino, District Conservationist, NRCS Field Office in Danielson CT

Ray Archuleta, conservation agronomist, conducted a day long soil health workshop introducing and demonstrating the NRCS's current soil health program. 55 natural resource professionals, planners, land use regulators, college students and farmers attended the workshop held November 4, 2014 in East Windsor CT.

Ray Archuleta is a Conservation Agronomist at the NRCS East National Technology Center, in Greensboro, North Carolina. He teaches soil quality and the principles of agro-ecology throughout

Soil health expert Ray Archuleta - a.k.a. Ray the Soil Guy - of the NRCS demonstrates properties of healthy soils

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the country, and has 25 years of work experience with the Natural Resources Conservation Service, including work in New Mexico, Missouri, & Oregon, serving as Nutrient/Irrigation Specialist, Water Quality Project Manager, District Conservationist, and Area Agronomist. The new soil health program is a paradigm shift of understanding soil function is driven by biology and biodiversity as it is a living ecosystem. Infiltration, compaction, nutrient cycling, and nutrient availability to not only crops but all plants, and therefore animals, is driven by the microbiology in the soil. Without a functioning soil ecosystem, we see nutrient densities drop, a dependence on artificial fertilizers, and increased fuel usage, while there is a reduction in infiltration, increased runoff and ultimately erosion and water pollution.

It was a lively day with some convincing demonstrations of the soil health principles discussed during the workshop. In one of the demonstrations, an outdoor mechanized rainfall machine showed that by far the healthiest soils are those of the forests.

Lunch was provided for all, and CEU's were available for forest practitioners.

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Massachusetts – Dana Hachigian

NEWS FROM MASSACHUSETTS – SUBMITTED BY DANA HACHIGIAN, MASSACHUSETTS STATE REP

News from Commonwealth of Massachusetts Executive Office of Energy and Environmental Affairs- Department of Conservation and Recreation

Patrick Administration Implements Wood Quarantine to Limit Spread of Invasive Emerald Ash Borer

BOSTON – Wednesday, November 12, 2014 – The Department of Conservation and Recreation (DCR) today announced a state-wide Massachusetts quarantine to help slow the spread of the invasive Emerald Ash Borer (EAB). The quarantine will take effect Monday, November 17, 2014.

"The Emerald Ash Borer poses a very serious threat to ash trees across the Commonwealth," said DCR Commissioner Jack Murray. "We believe a state-wide quarantine provides the best chance for slowing the spread of Emerald Ash Borer."

The quarantine order means that certain products will be prohibited from moving outside the regulated area, including all hardwood firewood (any piece of wood smaller than 48 inches), all ash nursery stock and any ash lumber that has not been treated. Proper wood treatments include the removal of bark and half an inch of wood, dry kiln sterilization, fumigation and heat treatments.

Supplemental Forest Health News from Ken Gooch, DCR Forest Health Program Supervisor

Although verification procedures for EAB in Ash trees is undergoing, it is known that EAB is in Dalton, Pittsfield, Washington, Hinsdale and Hancock in the Berkshires and North Andover, Methuen and Haverhill in Essex County along with a new find in Suffolk County at Arnold Arboretum. In other areas, red pine scale is still being found in stands across the state causing severe mortality. And Winter moth in combination with the cynipid gall wasp injury has caused some significant tree defoliation and is believed to be a contributing factor in some recent black oak mortality on the Cape and Martha's Vineyard.

News from Jeffrey Hutchins, Executive President, Massachusetts Forest Alliance

(Continued on page 14)

(Continued from page 13:)

New Wood Heat Bill Update:

Legislation to include renewable heating and cooling in the state's Alternative Energy Portfolio Standard passed the Massachusetts Legislature in July 2014. Its passage makes Massachusetts one of the first states in the country to offer such comprehensive incentives for heating with wood, as well as other liquid and gas bio-fuels, geothermal and solar thermal technologies. Regulations are being developed that will define emissions and efficiency thresholds, as well as sustainability standards for forest-derived fuels. The Massachusetts Forest Alliance has been urging the state to consider multiple, alternative methods to demonstrate forest sustainability that rely on existing laws and BMPs, professional credentials, and existing third party certification systems including Tree Farm. Regulations are expected to be finalized by mid-2015. Conservative estimates suggest the new law could bring $12-$20 million per year of new incentives for renewable heating and cooling.

News from Wendy Ferris, Director of Community Outreach for the Massachusetts Woodlands Institute in Collaboration with Mass DCR

MA DCR Launches Foresters for the Birds Program

As part of its Working Forest Initiative, the Massachusetts Department of Conservation and Recreation (DCR), in partnership with the Massachusetts Woodlands Institute and Mass Audubon, has launched a new program for landowners called Foresters for the Birds. Modeled on a successful program in Vermont, Foresters for the Birds will provide landowners with information about bird habitat on their land, and recommendations about how to enhance it in conjunction with other forest management goals.

"We're excited about this program because we know many landowners want to manage their land to benefit wildlife, and a Bird Habitat Assessment is a great first step in reaching that goal", said Jennifer Fish, Director of the Service Forestry Program for DCR.

The program provides funding assistance for a trained private forester to evaluate the existing and potential habitat for 12 focus birds which rely on the forests of western Massachusetts for much of their breeding habitat. The birds, called the Massachusetts Birders Dozen, were selected by Mass Audubon as conservation priorities, and cover a range of forest types, from the Chestnut-sided warbler which relies on early successional forests to the Wood thrush and Eastern wood pewee which need mature forests to feed and breed in. The focus bird species are also relatively easy to identify by sight and sound.

Foresters will determine the type of habitat present on land, and which bird species is likely utilizing the habitat. The forester will also provide forest management recommendations to improve or create new bird habitat, which must be incorporated into an existing or new Forest Stewardship Plan.

Private landowners with 10 or more wooded acres are eligible to receive funding assistance for the development of a Bird Habitat Assessment.

For an application or to find out more about the program, contact Alison Wright-Hunter, DCR Service Forester at alison.wright@state.ma.us or 413-262-2370, or do a google search for Foresters for the Birds in Massachusetts.

FORESTER INTERVIEW WITH UNIVERSITY OF MASSACHUSETTS AMHERST NATURAL RESOURCES GRADUATING SENIORS JONATHAN HARDY-MCCAULIFF AND NICOLE PYSER– BY DANA HACHIGIAN, MASS STATE REP.

In each quarterly we interview a member of the Mass SAF Chapter who practices forestry in Massachusetts to get a working forester's views on practicing forestry in Massachusetts. For this quarterly, however, we deviated from our normal procedure and conducted an insightful interview with two graduating seniors in the Natural Resources Department at the University of Massachusetts, Amherst who are enrolled in the Forestry curriculum and are the Chair and Vice-Chair respectively of the Massachusetts SAF Student Chapter– John Hardy-McCauliff and Nicole Pyser.

Question: In today's society where nature and the natural world are not at the forefront, how did you realize that studying forestry was what you wanted to pursue?

John – I grew up in the city of Fitchburg, MA a mill town with no trees. I had no connection with forests or forestry as a profession until I was in my early 20's and took a job with an arborist and learned to climb. I realized then that I wanted to work with trees as a career in a forested setting, not as an arborist.

Nicole – I grew up in Gloucester, MA which is a very forested area with a good deal of beachfront. I spent a lot of time interacting with these environments. I didn't even own an ipod! I knew I wanted to do something with the environment and I enrolled in environmental sciences studies at UMass. When I started reading SAF journals that discussed forestry I became very interested and for my Junior year I changed my major to Forestry. I am much happier now pursuing this direction.

Question: Do you have an idea at this point in

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time as to what type of job you want to pursue when you graduate and where you might want to do it?

John: I would like to do timber cruising work. I want to work for a national forest in the mid-west.

Nicole: I would like to do timber cruising. I want to get into forest consulting working within a forestry firm somewhere in another part of the country.

Question: Do you find that being a member of the SAF student chapter provides you with greater educational and professional opportunities as opposed to being a student but not being involved in this organization?

John and Nicole: Absolutely! We get to network with other SAF students from other schools and forestry professional members. We get opportunities to go to SAF conferences. And it has been very helpful when we go to these conferences to be able to meet the professionals and learn what they are doing in their work.

Question: What credentials/outlook do you believe a Natural Resources professional will need in order to be successful in today's economic and social culture?

John and Nicole: We need to make a positive public impression. Some things we need to do: Smile and present what learned to be true, try not to offend people, try to pass along knowledge and respect others opinions, listen and keep open dialogue, try to do good job and stand by it. One course that we have taken at UMass called Human Dimensions has been very helpful to us and has provided us with important skill sets we will need when we begin to work in this field.

Question: In your current curriculum that you are enrolled in what is/are the courses that you have enjoyed the most?

John: Timber Harvesting and Forest Ecology

Nicole: Botany, Tree ID, Timber Harvesting and Forest Ecology. And I have enjoyed these courses in part because of the professors that teach them.

Note: Both John and Nicole will graduate in May 2015 and plan to keep their SAF memberships active as they pursue careers in Forestry. Success to you John and Nicole!

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Granite State - Jon Nute

Collin Miller Joins New England Forest Products

Previously working in NY, and more recently for 5 years as the Director of wood products initiatives with the Northern Forest Center office in Concord, NH, Collin is now a procurement forester for the NEFP sawmill in Greenfield, NH. He graduated from the SUNY Ranger School in 1999 and then the SUNY College of Environmental Science & Forestry in 2002. He is an SAF Certified Forester as well as a licensed NH forester.

Alvirne FFA Teams Excel at Nationals

On October 29 and October 30, Alvirne High School's Forestry and Veterinary Science students competed in the 87th National FFA Convention held in Louisville, Kentucky. Fourteen Alvirne High School students competed in four national career development events. Pictured here are the Alvirne High School Forestry team(l-r) Roger Landry; Tom Descoteau, Kyle Trott, Mike Gagnon, Forestry teacher and Connor Hamilton. According to Mike Gagnon, Forestry and Natural Resources teacher , "Our forestry team really excelled, placing 5th in the Nation out of 41 teams competing. This is a new state record for NH. Kyle Trott, of the forestry team placed 4th individually out of 164 students and was really only beaten by Florida, who won the event and had the top 3 individual scorers. This is also a new state record. Kyle earned a $1000 scholarship."

The Veterianry Science Team was awarded a silver emblem. Team members include: Kyah Hardy, Miranda Moralez, Meghan Perkins and Olivia Will . Kyah Hardy earned gold individually.

The Environmental/ Natural Resources team earned a silver emblem. Team members include: Jason Bell, Meagan McKinley, Noah Jarvis and Chris Machado.

Holly Foley, Veterinary Science student competed in the individual event for extemporaneous speaking. Holly earned a bronze.

Rhode Island - Chris Modisette

RI Chapter News – December 2014

RIFCO Woodland Summit

RI Chapter members are involved in the development of the RI Woodland Summit to be held on May 9, 2015 at the Canonicus Camp & Conference Center in Exeter, RI. The RI Forest Conservator's Org. (RIFCO) and the newly-formed RI Woodland Partnership are co-sponsoring the event, along with its partner organizations, including the RI Tree Farm Program. The day-long event will feature indoor and outdoor presentations and workshops, and will help RIFCO celebrate its 25th Anniversary in 2015. Funding from a grant from GZA, Inc. and the American Forest Foundation will help make this event possible.

RI Woodland Partnership

Several chapter members, including Christopher Riely, Chris Modisette, Bill Buffum, Tom Abbott, Marc Tremblay, and Paul Dolan, have continued to lead efforts to build a regional forest conservation partnership (RCP) in this state. The partnership is a collaboration among foresters, landowners, conservationists, and professionals who represent public agencies, small consulting businesses, and non-profit organizations. Individuals representing 14 different organizations have participated to date at varying levels of commitment. The mission of this emerging coalition is to "Increase the impact of woodland conservation efforts through coordination and information sharing among partners."

(Continued on page 18)

Vermont -

SAVE THE DATE

The Green Mountain Division of the New England Society of American Foresters

Cordially invites you to attend a Legislative Breakfast Gathering
Thursday, February 12th, 2015
From 7:30 to 9:00 a.m.
Capitol Plaza Hotel
Montpelier, VT

For more information, contact Bill Peterson at forester-bp@att.net or call at: (802) 483-9493

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State News

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During the fall, the RIWP was most active in considering ways for forest conservation and management to play a role in climate change mitigation and adaptation strategies in Rhode Island, an area that is rapidly evolving. Prompted by state climate change legislation passed in June 2014 (see October news quarterly), a climate working group of about 10 members has been meeting monthly and working with Ken Payne, a state policy specialist and coordinator of the RI Agricultural Partnership. Mr. Payne believes that the coming months provide a window of opportunity for presenting a persuasive case for why forests should get more attention and funding than they are currently receiving.

As a first step, the climate working group has been developing a position statement on "The Importance of Rhode Island's Forests in Mitigating and Adapting to Climate Change." This statement advocates for (1) empowering the RI Department of Environmental Management (RIDEM) with the resources needed to accomplish its mission in light of climate change and (2) advancing the role of forests and forest stewardship to foster a culture of conservation in RI's climate future, both on public and private lands. The signed statement is being presented to RIDEM Director Janet Coit and new Governor Gina Raimondo by early 2015. During the fall election campaign, the incoming governor was very responsive to climate issues. In the first months of 2015, the RIWP will work with its policy partners and consider possible legislative approaches for ensuring that forests (both rural and urban) are included in the climate change dialogue in this state.

2014 President's Field Forester Award

A Presidential Field Forester Award was presented to Hans T. Bergey at the SAF national Convention this past October. An SAF member since 1956 and retired Watershed Manager for the Providence Water Supply Board and a consulting forester, Hans has been involved with forestry in Rhode Island for almost 55 years beginning soon after he graduated from Yale University in 1959. Hans spent 31 years developing the watershed management program for Providence Water and authored numerous articles and presentations on the status of watershed management programs and recreational uses of public drinking water supplies.

Since his retirement from Providence Water in 1990, Hans has been active as a forestry consultant with some of Rhode Island's largest landowners. In addition, Hans continues to serve on the boards of a variety of forestry and conservation organizations and advisory committees to include the Rhode Island Forest Conservators Organization, the RI Tree Farm Program, the RI Forest Stewardship Coordinating Committee, and USDA NRCS's Forestry Subcommittee.

An engaged member of SAF at the national, regional, and state levels, Hans has served in a variety of positions, including Past Chair of NESAF, Past Member of the NESAF Executive Committee, Past Chair and Executive Committee Member of the Yankee Division, Past Chair of the RI Chapter, Member of the Program Committee for the SAF National Convention held in Boston, Member of the SAF National Membership Committee representing District VI, Member of the SAF Taskforce on ORV's, and member of the Yankee Division Policy Committee.

For his commitment to SAF he was awarded Yankee Division's ***Outstanding Forester Award*** in 1990 and elected to the position of SAF ***Fellow*** by his New England peers in 2000. In 2004 he was awarded the New England Society of American Foresters ***Distinguished Service Award***.

.

OUR MISSION AS FORESTERS IS TO BE RESPONSIBLE STEWARDS OF THE EARTH'S FORESTS WHILE MEETING SOCIETY'S VITAL NEEDS. THE CHALLENGE OF OUR MISSION LIES IN KEEPING FOREST ECOSYSTEMS HEALTHY AND INTACT WHILE CONCURRENTLY DRAWING ON THEIR RESOURCES. WE WILL MEET THIS CHALLENGE BY CAREFULLY MONITORING AND MANAGING THE EFFECTS OF NATURAL AND HUMAN FORCES ON THE FOREST. OUR DECISIONS WILL BE GUIDED BY OUR PROFESSIONAL KNOWLEDGE, OUR COMPASSION FOR ALL LIVING THINGS, OUR DESIRE TO IMPROVE CITIZENS' LIVES, AND OUR RESPECT AND CONCERN FOR THE ENTIRE FOREST ECOSYSTEM. BY ADVANCING FORESTRY SCIENCE, EDUCATION, TECHNOLOGY, AND THE PRACTICE OF FORESTRY, NE SAF WILL PROVIDE THE LEADERSHIP TO ACHIEVE ITS MISSION.

New England Society of American Foresters

95th WINTER MEETING

March 24 – 27, 2015

Lake Morey Resort, Fairlee, VT 05045

Tuesday, March 24, 2015

1:00 – 5:00 PM NESAF Executive Committee Meeting

Lake Morey, Here we come again…

Please note:

As a result of popular demand, the Green Mountain Division is again hosting the annual meeting at the Lake Morey Resort in Fairlee, VT, a location near White River Junction, more central to New England, and a shorter drive for most of the region.

Stick around and take advantage of the activities on the program outside the formal sessions. In addition to NESAF traditions like the quiz bowl and the alumni socials, some of our members, exhibitors, and other colleagues will be offering demonstrations and workshops of interest.

The weather at the end of March can vary greatly, making outdoor activities dependent on conditions. The Lake Morey Resort has many facilities available, like ice skating (including a Nordic skating track), ice fishing, and access to a network of trails for snowmobiling, cross-country skiing, and hiking.

The resort has some skates and skis on hand, but you may want to bring your own. Also, bring your instrument for the music jam (all abilities welcome), your snowshoes if weather permits, or your running shoes.

For more information, visit the Lake Morey web site, www.lakemoreyresort.com, or call 1-800-423-1211.

Wednesday, March 25, 2015

8:00 – 5:00 NESAF Registration – Lobby

GENERAL SESSION

Terrace Ballroom

10:00 Welcome – Jim Harding, Chair NESAF
Charlie Hancock, Chair GMSAF
Invited dignitary

10:40 Keynote Address

Topic: "**Forest Management and the Land Ethic**"
Speaker: **Jed Meunier**, Wisconsin Department of Natural Resources

12:00 – 2:00 **Buffet Lunch and NESAF Business Meeting – Dining Room**

2:00 – 2:15 **Break and Exhibits/Posters – Morey Room**

2:15 - 3:45 **CONCURRENT SESSIONS A**

Technical Session 1: Silviculture I: Mixedwood Management – Terrace Ballroom

Moderator: Laura Kenefic

Mixedwood management and forest health: spruce budworm: Dave Maclean, UNB
Productivity benefits of mixedwoods: oak-pine: Justin Waskiewicz, UVM
Mixedwood management and ecological forestry: Patricia Raymond, QMFF

Technical Session 2: Species under Stress: Bats and Martens – Lakeside Room

Moderator: Ed O'Leary

Endangered Bats and Forest Management: Scott Darling, VTFish & Wildlife
Marten in the Northeast: Jill Kilborn, NH Wildlife Dept.

Technical Session 3: New Environmental Education Initiatives to Engage Youth and the Public – Waterlot Room

Moderator: **Susan Cox U.S. Forest Service**

Science, Technology, Engineering and Math (STEM) – Lara Gengarelly, UNH Cooperative Extension
Environmental Literacy Plans—A Way to Greater Understanding of Forests – Alicia Carlson, UNH Cooperative
Citizen Science and the New England Stewardship Network – Malin Clyde, UNH Cooperative Extension
Forest Inventory Growth Project – Pat Maloney, Maine PLT

Wednesday, March 25, 2015 (continued)

Technical Session 4: Forest Pest Updates - Theater

Moderator: Barbara Schultz, Vermont Department of Forests, Parks, & Recreation

Asian Longhorned Beetle: Status of the Eradication Effort in Massachusetts: Ken Gooch, MA Dept. of Conservation and Recreation

Managing Ash Forests with Emerald Ash Borer Infestations Nearby: Kyle Lombard, NH Division of Forests and Lands

Non-traditional Pests: How Deer and Interfering Species Hamper Forest Regeneration: Jeffrey Ward, CT Agricultural Experiment Station

3:45 – 4:00 **Break and Exhibits/Posters – Morey Room**

4:00 – 5:30 **CONCURRENT SESSIONS B**

Technical Session 5: Silviculture II: Uneven-aged northern hardwood management for small family woodlots – Terrace Ballroom

Moderator: Jeff Ward

Focus on landowners with smaller parcels who wouldn't consider openings > 1/5 acre (~100 ft radius)

Overview of small family woodlots (number, land, objectives, etc.): Brett Butler , USFS

Regeneration challenge: **keeping mid-tolerants and intolerants in the mix**: Mark Ashton, Yale

Multi-age crop tree management – David Paganelli, VT Forests, Parks, and Recrecation

Technical Session 6: Urban Forestry Topics – Lakeside Room

Moderators: John Parry and Danielle Fitzko

First Detectors Program of VT Urban & Community Forestry: Elise Schadler, VT UCF

Climate Change and Urban Forestry: Andy Whitman, Manomet

Technical Session 7: Conservation to Address a Changing Climate – Waterlot Room

Moderator: Charlie Hancock

Regional Conservation Partnerships, Beginning to Address Climate Change: Bill Labich, Highstead

The Staying Connected Initiative – Sustaining Forested Connections for Nature and People in a Changing Climate: Phil Huffman, TNC VT

Interior Songbirds & Climate Change on Private Lands: Steve Hagenbuch, Audubon VT

Technical Session 8: Invasive Plant Species Updates – Theater

Moderator: Ginger Anderson

Invasive plants, Early Detection and Prioritization on public lands: Cynthia Boettner, US Fish & Wildlife Service

Managing invasive plants on private lands: Jon Bouton, VT Forests, Parks, and Recreation

5:30 – 6:30 **Theater: Student Quiz Bowl**

Morey Room: Woodcraft and Technology Demos / Posters and Exhibits

Steamboat Lounge Ice Breaker

6:00 – 8:00 **Pizza for Students** **After the Quiz Bowl – sponsored Pizza for STUDENTS**

6:00 – 8:00 **Dinner** **Cash Buffet in the dining room or on your own**

7:30 – 9:30 **Entertainment: Steamboat Lounge – Patti Casey and Colin McCaffrey – Singers/songwriters of the first order!**

Thursday, March 26, 2015

7:00 – 5:00 **Registration – Lobby**

7:00 – 8:30 **Continental Breakfast – Morey Room**

7:30 – 8:30 **Working Group Meetings – locations TBA**

Student Meeting – Waterlot Room

Green Mountain Division Business Meeting – Lakeside Room

GENERAL SESSION

Terrace Ballroom

8:30 – 10:00 **Panel Discussion: Climate Change and Biodiversity**

The Climate Change Atlases for Trees and Birds: Louis Iverson, USFS, NRS

Biodiversity in the Northern Forest: Joe Roman, UVM Gund Institute

10:00 – 10:30 **Break / Exhibits / Posters - Morey Room**

10:30 – 12:00 **CONCURRENT SESSIONS C**

Technical Session 9: Offered Presentations I: *"Flash Talks"* – Edgewater Room

Moderator: Mark Twery, USDA Forest Service, NRS, Burlington, VT

8 speakers, 10 minutes each — Come see who has breaking news!

Technical Session 10: Carbon Management – Lakeside Room

Moderator: Nancy Patch

Biochar: What is it and what do we do with it?: Michael Low, Vermont Biochar

Forest Carbon Projects: New England Experience and Outlook: Dylan Jenkins, Finite Carbon, and Liz Adams, Lyme Timber

Thursday, March 26, 2015, continued

Technical Session 11: Silviculture III: Climate Change Implications for Silviculture – Theater

Moderator: John Brissette

Something Old, Something New: Silvicultural Strategies for Addressing Climate Change: Anthony D'Amato, University of Vermont

Managing Northeastern Forests for Flood Resilience in the Face of Climate Change: William Keeton, University of Vermont

Climate Change: Should We Rewrite Our New Northern Hardwood Guide?: Bill Leak, USFS, Northern Research Station

Technical Session 12: Tools for Forest Adaptation: – Waterlot Room

Moderator: Dave Paganelli

Tree and Bird Climate Atlas: Steve Matthews, USFS, Northern Research Station

Learning by Example: Vermont's Forest Adaptation Tools in Action: Sandy Wilmot, VT FPR

Woods, Water, and Wildlife: Designing Management Actions for Changing Conditions: Maria Janowiak, USFS, Northern Research Station

12:00 – 2:00 **NESAF Awards Luncheon – Terrace Ballroom**

2:00 – 3:30 **CONCURRENT SESSIONS D**

Technical Session 13: Spatial Analysis Applied to Climate Change – Theater

Moderator: Sandy Wilmot

Using ANR's BioFinder to Prioritize and Plan for Biological Diversity in a Changing World: VT Fish & Wildlife,

Changes to the Land: Understanding the Future of the Forested Landscape of New: Kathy Lambert Fallon, Harvard Forest

Selecting Appropriate Soils for Sugar Maple Management & Potential Refugia: Dr. Lee Allen, ProFor Consulting and Professor Emeritus NC State

Technical Session 14: Insect-borne diseases: Why foresters should pay attention – Lakeside Room

Moderator: Si Balch

Richard Pollack, Harvard University

Technical Session 15: Wind Energy in the Northern Forest – Edgewater Room

Moderator: Nancy Patch

Utility Scale Wind and Natural Resource Protection in Vermont: Jeff Nelson, Noble Environmental Power

Impacts of Industrial Wind on Wildlife and Core Habitat: Susan Morse, Peak Keepers

Technical Session 16: Offered Presentations II: *"Flash Talks"* – Waterlot Room

Moderator: Mark Twery, USDA Forest Service, NRS, Burlington, VT

8 speakers, 10 minutes each — Come see who has breaking news!

Cold Hollow to Canada Woodlots: Nancy Patch, Cold Hollow to Canada RCP

3:30 – 5:00 **Poster Session with Authors present/ View Exhibits – Morey Room**

5:00 – 6:00 **Wildlife Tracking Workshop** - Lakeside Room

Who Is In The Woods With You? A New Way of Tracking

Join forester/tracker Lynn Levine, author of a new book *Mammal Tracks and Scat:Life-Size Pocket Guide*, to hone your tracking skills. This in-depth, hands-on session (with carefully preserved feet, fur, and scat) will include learning about the movement patterns of mammals, their track patterns, their scat, and other signs. Come and share your own tricks of the trade.

Lynn is also co-author of *Working with Your Woodland: A Landowner's Guide*; *Mammal Tracks and Scat: Life-Size Tracking Guide*; and author of *Snow Secrets*.

5:30 – 7:30 **Alumni Socials – locations To Be Announced**

6:00 – 8:30 **Dinner** **Cash Buffet in the dining room or on your own**

8:00 – until **Traditional music jam session** – Steamboat Lounge – bring your instrument(s)

Friday, March 27, 2015

7:00 – 8:30 Registration and Continental Breakfast

FIELD TRIPS

8:30 – 12:30

Field trips will convene in meeting rooms for 20 to 40 minutes for indoor presentations, then organize carpools and proceed to field sites. **BYO: hardhat and safety equipment.**

Field Trip 1: Silvicultural Options for Managing Invasives: the experiences of Dave Paganelli, Orange County Forester

Field Trip 2: Tour of the Ryegate Power Plant (Peter Condaxis)

The field trip to Ryegate Power Station will be a tour of a 20-MW wood-fired electrical generating facility that burns 250,000 tons of wood chips annually. Ryegate Station has operated since 1992, generating renewable electric energy to power 20,000 homes. Wood fuel derived from Vermont sources is subject to Ryegate's "Harvesting Policy For Whole-tree Chipping in Vermont", requiring Vermont chip harvest sites to meet silvicultural, wildlife, water quality and other considerations.

Friday, March 27, 2015, continued

Field Trip 3: Wood-fired boilers for public buildings

Organizer: Paul Frederick

This will be a tour of the Grafton County NH Complex's Biomass District Heating plant with Jim Oakes, Maintenance Superintendent on March 27th at 9:00 for the NESAF Meeting. The facility is located at 3855 Dartmouth College Hwy. in North Haverhill, NH. The wood heating system heats the county's administrative offices, nursing home, courthouse, and supplies domestic hot water to the county jail, all on the 757-acre North Haverhill campus. The Grafton County Complex in North Haverill is a 30-minute drive from Fairlee.

Field Trip 4: Furniture Manufacturing in the Connecticut Valley

(Organizer: Sam Schneski) We plan to visit Copeland Furniture in Bradford, VT. They are an award winning company that has a very compelling green story (http://www.copelandfurniture.com/greenfurniture.php).

Field Trip 5: Forest Management in a National Park: the Marsh-Billings-Rockefeller National Historical Park, Woodstock, VT.

Talk with the foresters who manage the only National Park with active forest management as part of its mandate, and see forests with some of the longest history of management in North America.

WORKSHOPS

8:30 – 12:30

Workshop 1: Tree Farm Inspector Training 2015 brings new Tree Farm certification standards and all Tree Farm foresters will need to update training during the year to remain certified inspectors. This is a great opportunity to update your training in a lively and engaging setting with Kathy Beland, 2014 National Tree Farm Inspector of the Year (aka, the Queen).

Workshop 2: **Using NED-3 software to make better prescriptions – Waterlot Room**

(Organizers: Ken Desmarais, Susan Stout, and Mark Twery) This hands-on workshop is designed to help foresters use NED-3 software to utilize timber cruise data to better develop silvicultural prescriptions. We will briefly review how to input or import various data into NED-3 and then with shared data sets conduct simple and moderately complex analyses for use in writing silvicultural prescriptions. Topics will include timber volume growth and yield, economics, and managing for wildlife habitat.

Workshop 3: **Developing and Applying Land Cover and Forest Harvesting Scenarios for New England – Lakeside Room**

(Leaders: Kathy Fallon Lambert, Director of the Science Policy Exchange, Harvard Forest; and Jonathan Thompson, Senior Ecologist, Harvard Forest)

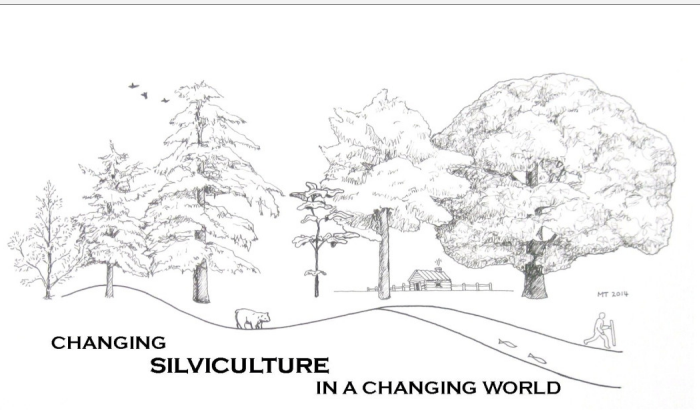
Jonathan Thompson is a forest landscape ecologist who studies long-term and broad-scale changes in forest ecosystems, with an emphasis on quantifying how land use - including harvest, conversion, and conservation - affects forest services and processes. Occasionally he'll sneak out and collect data in the field, but more often he relies on simulation

CFE credits are available from SAF

Licensing credits are pending for individual New England states.

This meeting has been certified by SAF for attendees to receive continuing education credits up to the amounts listed for each day. Forms to certify attendance and credit will be available at the meeting.

Wednesday,	March 25, 2011:	up to 4.0 hours
Thursday,	March 26, 2011:	up to 5.5 hours
Friday,	March 27, 2011:	up to 3.5 hours
Total		up to 13.0 hours



NEW ENGLAND SOCIETY OF AMERICAN FORESTERS
91st WINTER MEETING, March 24-27, 2015

Lake Morey Inn, Fairlee, VT (Exit 15, Interstate 91) www.lakemoreyresort.com
Call 1-800-423-1211 for reservations. Guest rooms are $94.00 single / double (plus 9% tax)
Ask for the New England Society of American Foresters group

REGISTRATION FORM
(Please type or print)

Name: _____ Employer/ Affiliation:_____
(as you want it to appear on your name tag)

Address: _____
Street

_____
City, State, zip

Registration Category	No.	Price / person	Sub-total
Full package: includes breaks, Wednesday lunch, continental breakfasts, awards luncheon, ice-breaker Check Friday workshop / field trip choice below --no Friday lunch Member Non-member		 $125.00 150.00	
Student Full package, check Friday choice below Single day (Wed, Thur includes lunch)		 $70.00 $40.00	
Single Day registration Wednesday—includes lunch --- Thursday – includes awards luncheon **For late registration and walk-ins, luncheon may not be available.** Meeting only, no luncheon --- Friday –check workshop/field trip choice below—no lunch	 ----- -----	 $70.00 --- $80.00 $60.00 $40.00	 ---------- ----------
Additional awards luncheon ticket		$25.00	
Late fee—(all registrations received after March 7)		$25.00	
TOTAL (enclose check payable to NESAF)			

Friday choice: Field trip 1 ___ 2___ 3___ 4____ 5____ Workshop 1_____ 2____

Mail registration and payment to : **Russell Reay, 97 Stewart Lane, Cuttingsville, VT 05738**
(802) 492-3323 russreay@vermontel.net **We prefer checks over credit cards**

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For on-line registration go the NESAF website at http://www.nesaf.org

Help Wanted

We are still looking for a *News Quarterly* editor and a Website Administrator.

Please step up and volunteer. It's easier than you think and very rewarding.

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