From the Mountains to the Bayous: Reflecting on the National SAF Convention

By Molly Elvin, SAF District 6 Student Representative

This past November I had the privilege of attending the 2015 SAF National Convention as the District 6 Student Representative. I was the only one attending from my school, Green Mountain College, in Vermont. It made me a little apprehensive, but I soon made lots of new connections and friends at the national student congress and executive student council meetings. A highlight of the trip was being able to witness the student quiz bowl. I was hugely impressed with the amount of forestry knowledge the students had and also the camaraderie between teams. I also had the opportunity to meet many professional members who were more than happy to share stories and advice for having a successful professional career in the forestry field.

I participated in many constructive conversations on improving the Society of American Foresters for students and young professionals, including one on how to prevent membership decline after graduation. Many great ideas were brought up, and one I am personally most excited about is the mentoring program. This program would connect college students with professionals in the area they are interested in pursuing. How each mentorship would work would vary greatly, but the concept is that the students would learn both more about what they want to do professionally and the value of continuing their SAF membership after graduation. I think this would be a great asset to both the students and professionals and I hope to see it not only work on a national level, but also work in District 6.

It was extremely helpful for me to be able to hear what other districts are doing for students in order to get a better idea of what it can do for students here. One idea I found interesting was a ‘Leadership Academy’ where professionals meet and have breakfast with students in their area and talk about forestry issues, professional development, or anything else that they want to talk about. I think this is a great way to form long-term relationships and another great way to help students see the value of staying a member of SAF throughout their professional career.

(Story continues on page 15)
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Happy 2016! I hope you had a rewarding Holiday season. As we start the New Year, I am looking forward to our annual meeting in March at the Sturbridge Host Hotel and Conference Center in Massachusetts. Adam Moore is the General Chair and Jeff Ward is the Program Chair. They and their colleagues from the Yankee Division are planning an excellent meeting. The theme will be “Leadership and Innovation in New England Forestry” with details included in this issue of the News Quarterly. The meeting will be held March 9 – 11, 2016. Please save the dates and plan on attending.

For those of you who may not know me, I have been an SAF member for more than 35 years. For many of those years I was a member and former officer of the Yankee Division and a member of the Connecticut Chapter. Since 2007 I have been a member of the Granite State Division. Prior to my terms as Chair-Elect and Chair I served NESAF as Connecticut State Representative and Treasurer. I have made many friends throughout New England through my involvement in NESAF. I encourage all of you to become active in the leadership of your local Chapters, Divisions and NESAF. I think you’ll find your participation in SAF to be very rewarding, as I have.

I would like to thank Emma Schultz and Russell Reay for their long time involvement as NESAF secretary and treasurer, respectively. Both Emma and Russell spent many hours fulfilling the duties of their offices. I would also like to thank Paul Dolan for his leadership as Chair in 2015. I hope I can live up to the standards Paul and his predecessors have set for this position. Thanks also to Janice Mulherin (NH) who served the Granite State Division as a NESAF representative. I welcome our new and returning Executive Board Members Don Floyd (Canada), Mel Harder (CT), Ken Laustsen (ME), Bill Hill (MA), Jon Nute (NH), Andy Reed (VT), Rob MacMillan (RI), Mallory Bussell (Secretary), Donn Downey (Treasurer), Tony D’Amato (Forest Science Coordinator), Wendy Weisiger (Website Administrator), J.P. Barsky (News Quarterly Editor), and Jas Smith (Policy Chair). Our new District VI Director is Si Balch, replacing Andy Hayes of NYSAF. Many of you know Si from his many years of service to NESAF and MESAF.

The Executive Committee is still seeking a Chair-Elect and a Membership Coordinator. If you are interested in either of these positions, please contact me for more information. Lastly, please contact me if you have any issues or concerns you would like NESAF to consider. My contact information is listed in the front of the News Quarterly.

See you in Sturbridge in March!

Fred

A Farewell from the Ocean State! ~ Paul Dolan, Immediate Past Chair

There is nothing like having the final word. I would like to thank each of you that I have worked with me over this last year as chairman. I would also like to recognize with appreciation for all those other foresters that have served on the executive board over the last decade plus that I was on the board. It has been a great pleasure and honor to work with so many dedicated people. Now do I still keep my secret service detail as a past chairman?

I think SAF is moving in a good direction. It was recognized years ago, that foresters were the expert on all things related to forests. Now in the age of specialty occupations, we share a stage with many others. I think the new direction from the national office is something to embrace on “Evolving Forestry”.

I also believe the focus on mentoring students and new members will allow us to go into the future, knowing there will be others to keep the occupation viable. Until next time, as they say in Rhode Island, “See youse all later!”

Paul

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SAF Board of Directors Column ~ Andrew Hayes

I hope you all are well. As I write my final report I would like to take the time to thank all of the wonderful people of our district. I have truly met some great members, and it is our members that make SAF an amazing organization. Please welcome Si Balch as your new director representative. He will be attending both NYSAF and NESAF annual meetings and will be very active in our district.

The SAF Board of Directors met the weekend of December 4-6 in Bethesda, MD with another full agenda.

The SAF Board of Directors met the weekend of December 4-6 in Bethesda, MD with another full agenda.

The beginning of the meeting was dominated by a board training program for board members that focused on the “policy governance” model adopted by SAF several years ago. It is a good orientation for the new board members and a nice reminder for current members of what the role of SAF’s board is. Policy governance works to make boards optimally effective and focuses the board on setting goals for the organization and delegating operational issues to the professional staff.

After a lengthy discussion, the 2016 budget that passed is a balanced budget designed to continue SAF’s investments in operations and infrastructure. SAF continues to focus on several investments begun during 2015 such as:

- investing in our staff
- completing the association management system (AMS) upgrade to iMIS
- investing in the Evolving Forestry initiative
- investing in membership development
- investing in continuing education
- investing in overall communications activities.

The Board also reviewed the highly successful 2015 SAF National Convention, “Recreating Forestry: The Confluence of Science, Society, and Technology” held Nov. 3–7 in Baton Rouge, LA. Approximately 1,500 participants, including more than 450 students, were on hand. Content highlights included “Boots on the Ground” technical sessions and a track on “SAF Matters.”

A big item on Saturday’s agenda was diversity and inclusion where the SAF Board is focused on improving diversity and inclusion in SAF. SAF is working with outside experts to help it identify preferable outcomes and methods to achieve them. SAF will work on delivering programs that will help SAF leaders at all levels to address diversity and be consciously inclusive. Similarly, SAF is having a conversation with members and other natural resources stakeholders about charting the future of the forestry profession. SAF leaders are having discussions with members about the challenges facing the profession and possible solutions. Discussions will be held at state society meetings and through other communications channels such as The Forestry Source, social media, and individual outreach.

A major listening tool is a survey that was sent out to members and other stakeholders in November and will be analyzed in January.

In discussions on the third day of meetings, SAF is reaching out to leaders at Weyerhaeuser and Plum Creek to offer the companies thoughts on how SAF can best support the forest management professionals at the two companies during this transition period. The Board recognizes that consolidations in the forest industry have an impact on employees and wants SAF to be as helpful as possible to foresters and other forestry professionals in both companies. Also, SAF has been approached by several international forestry schools who seek to be accredited by SAF. Consequently, SAF will work with its partners in the forestry education community to explore and analyze the feasibility and benefits of expanding the SAF accreditation program internationally.

Another big topic that the Board discussed was supporting science research. First, the SAF Science Fund was renamed the “The Kurt Gottschalk Science Fund” in honor of the recently deceased SAF board member, and second, the Board approved a plan (pending approval from the estate of Bill Hagenstein) to match up to $250,000 in donations to the Gottschalk Science Fund.

Finally, I would like to take this opportunity to echo what many board members, leaders, and other involved members of SAF routinely say; GET INVOLVED. I can only speak from my experiences, but I have held several positions within SAF over the years and have had many great stories because of my involvement. I have gained valuable skills and tools for my professional career, met new friends across the country and Canada, and have had a myriad of other fantastic encounters, that were not forestry related, all because of my involvement with SAF.

Please take that first step and volunteer, you will never regret it.

As always, please do not hesitate to contact me or the national office with questions and be safe out there.

Andy
Native hard pines, including pitch and red pine, make up a small percentage of northeastern U.S. forest cover. Although limited in distribution, these pines contribute to species and structural diversity across the landscape and often represent unique ecological communities. In addition, red pine was also widely planted throughout the region during the early and mid-20th century for soil conservation, windbreaks, and reforestation efforts. With some notable exceptions (e.g., Ossipee Pine Barrens, Albany Pine Bush Preserve, Montague Plains, and others), the majority of pitch and red pine stands are unmanaged in New England and New York. These species often occupy relatively dry, nutrient poor sites, including sandy outwash plains, south-facing ridge tops, and rock outcrops. Lack of management, including silvicultural treatments and prescribed fire, have often led to stand conditions conducive to insect and disease problems.

Range expansions by two insect pests, one native and one exotic, have resulted in increased mortality to pitch and red pine in the northeast. Mortality in pitch pine forests in the northeast, specifically New York, has increased due to the recent range expansion of the native southern pine beetle (SPB; *Dendroctonus frontalis*), a species strongly associated with southeastern pines. The long-term persistence of red pine in the northeast is threatened by an exotic pest, red pine scale (*Rps; Matsucoccus* *matsumurae* syn. *M. resinosa*), that has recently expanded its range from southern New England into more northern red pine stands. This insect, along with native pathogens, has caused widespread losses to red pine in the northeast. Southern pine beetle and RPS represent serious threats to hard pine health in the northeast and likely will influence future forest tree species composition in the region.

**Southern pine beetle in northeastern pitch pine forests**

Southern pine beetle was found killing pitch pine on Long Island, New York for the first time in September 2014. This marked a significant range expansion of SPB into areas where the beetle had not been previously found. Subsequent survey efforts, including aerial detection surveys and ground-based surveys determined that SPB was established over a much larger area that included much of Long Island and several stands in Connecticut. Southern pine beetle was also detected in Rhode Island and Massachusetts during spring 2015. The beetle was also detected in Connecticut during spring 2015. Southern pine beetle was also detected in Rhode Island and Massachusetts during spring 2015. It is highly polyphagous on pine species, often found associated with loblolly, longleaf, shortleaf, Virginia, and slash pines in its southeastern U.S. range. Epidemic SPB populations have been problematic as far north as New Jersey since 2001 where over 26,000 acres of forest have been affected. The range expansion into New York and New England is unprecedented and places regional forests at risk. Long Island pitch pine forests are currently experiencing extensive tree mortality and it is expected that similar stands in New England will also be affected. Jack pine and red pine stands are also likely to be colonized by SPB as it continues its northern expansion.

Southern pine beetle is a particularly damaging insect because of its ability to mass attack and kill apparently healthy trees through the use of aggregation pheromones. Female beetles locate potential hosts, initiate attack, and release aggregation pheromones that focus beetle attacks on individual trees. Male and female beetles respond to pheromone signals and bore through tree bark, begin gallery construction (Figure 2), mate, and deposit eggs. Southern pine beetle inoculate associated fungi into the phloem while constructing galleries and some of these are beneficial to developing larvae and likely help kill trees. Larvae develop through several stages, pupate in the bark, and emerge to attack new host trees. This next generation of beetles will attack adjacent trees in the summer to expand infestations or disperse in the spring or fall to initiate new infestations or locate overwintering trees.

Tree attacks are generally found in groups, referred to as “spots” which can expand quickly throughout the summer killing hundreds or even thousands of trees at a site. Entire stands can be quickly killed if stand conditions are conducive to SPB attack. Overstocked stands often provide abundant hosts in weakened condition that are easily exploited by SPB. The tight stand conditions also limit pheromone dispersal, providing better conditions for beetles searching for host trees upon emergence from brood trees. These emerging beetles typically expand spots by attacking adjacent pines. It is unknown how many SPB generations occur within a year in the northeast. Similar northeast phloem inhabiting beetles
can have two to three generations per year and that does not seem out of line with observations of SPB in New York. Southern pine beetle can have as many as nine generations a year in warmer climates.

Trees are not defenseless to SPB attack, however, and respond by flooding beetle entrance holes with resin and surrounding wounds with defensive chemicals. Resin can “pitch out” attacking beetles and entomb them in this material as it crystalizes (Figure 3). Induced defenses are mobilized around attack sites and may contain fungal invasion and impede successful reproduction. Attack success is generally a balance between tree vigor and local beetle populations. Epidemic populations can generally overcome even the most vigorous trees, while trees are more successful at defending themselves against endemic population levels. Site specific stand conditions are important factors in determining susceptibility to SPB.

The presence of SPB in regional hard pine forests should be met with increased monitoring and management in these stands. Overstocked stands are at particular risk and also characterize much of the hard pine resources in the northeast. Fire has been suppressed in most pitch pine stands in the region, and reintroducing this along with stand thinning prescriptions could help reduce the susceptibility to SPB, while simultaneously meeting restoration goals for many areas. Knowledge gained from managing SPB in the southeast is invaluable as the beetle spreads in the northeast. Adaptive management will be needed to reduce the impact of this insect in regional hard pine forests. Finally, understanding SPB behavior in white pine will be critical to assessing its potential impact in northeastern forests.

Red pine scale in natural and planted red pine in the northeast

The threat posed to red pine in the northeast is more immediate than that of pitch pine because stand replacing events are currently underway in native stands and plantations. Threats to red pine in the northeast are not new, with invasive species such as Sirex woodwasp and pine shoot beetle once seen as legitimate threats to this species, only later determined to be innocuous in most situations. Over the last several years, stand-wide dieback and mortality of red pine plantations (Figure 4) and natural forests (Figure 5) has been reported throughout New England. This forest decline is likely initiated by the exotic RPS and may involve additional stressors, including Diplodia shoot blight and other native insects (e.g., bark beetles and woodborers) and pathogens (e.g., Armillaria root disease). The dieback and mortality of red pine in New England occurs uniformly and completely across entire forest stands, which differs from the pocket decline of red pine that occurs in the Great Lakes states. This mortality has been noted in both managed and unmanaged stands and on a wide variety of site conditions.

Red pine scale is native to Japan and was first identified in North America in 1946 in Connecticut. Since this initial identification, red pine scale has been identified in New York, New Jersey, Pennsylvania, Massachusetts, New Hampshire, Maine, and, most recently, Vermont. Although RPS was identified nearly 70 years ago, its northward spread has progressed relatively slowly. Damage attributable to RPS in central and northern New England has only been noted within the last decade. In North America, red pine is the only known host of RPS. The life cycle of this piercing-sucking insect is rather complex and much of the information on its life
history in North America originates from early work in Connecticut and southern New York. Red pine scale completes two generations per year, with a summer and overwintering generation. Feeding occurs in the phloem during the crawler and nymph stages, during which the stylets of RPS are inserted into bark crevices or under bark flakes, typically in the most recent few years of branch growth. The nymphs of the summer generation may be present from July to October and from September to June in the overwintering generation. Once the stylets are inserted into the phloem and feeding begins, RPS will die if it is disturbed.

Although somewhat of a cryptic insect, signs of RPS can be noted throughout the year by evaluating branch samples. Red pine scale can be identified by the presence of white, woolly ovisacs in bark crevices or under bark flakes during the egg stage; as a small (< 0.5 mm) dark brown, triangular-shaped nymph with a white waxy fringe underneath bark flakes (Figure 6); or, in the pre-adult male stage, by clusters of white cocoons on the undersides of branches.

Symptoms of RPS include crown discoloration, branch dieback, and tree mortality. Damage associated with red pine scale begins as stunted new growth and discoloration of the current year needles, which progresses from light green, to yellow, to a brick-red appearance that typically begins in the lower crown and further develops throughout the entire crown. Mortality of trees infested with RPS may occur within 1 – 5 years. We have observed extensive stand replacing tree mortality within this time frame throughout the northeast.

Natural dispersal of RPS may occur in the crawler, nymph, and adult female stages. However, neither the winged adult male nor the wingless adult female is capable of flight, thereby limiting dispersal ability. Passive dispersal via wind, birds, nursery stock, or other human movement may also contribute to the range expansion of this insect.

Although cold winter temperatures have been suggested to limit the northern range of RPS in the northeast, this insect has damaged trees as far north as central Vermont. It is possible that RPS has adapted to cold temperatures since its initial introduction. This suggests that much of the red pine resource in the northeast and potentially into the Great Lakes region could be affected by RPS infestation in the future.

Red pine scale may co-occur with Diplodia shoot blight and the occurrence of these multiple stressors may contribute to widespread tree mortality. We are currently determining the extent of the RPS infestation in New England and evaluating the role of RPS, Diplodia shoot blight, and other native insects and pathogens (e.g. bark beetles, woodborers, and stem and root pathogens) in widespread red pine decline.

Increased tree mortality in pitch and red pine stands can be expected to expand and continue in the northeast as these insects spread and climates continue to warm. Understanding the role insects and disease play in the health of these hard pine stands is important to gain insight into potential management techniques. The U.S. Forest Service State and Private Forestry, Forest Health Protection group in Durham, NH is currently collaborating with State and Federal partners and the University of New Hampshire (red pine scale) and the University of Vermont (southern pine beetle) to investigate the range and impacts of these insects in the northeast. Multiple studies involving trapping efforts, tree dissection, tree core analyses, and vegetation surveys are ongoing.
Emerging White Pine Health Issues in the Eastern United States

William Livingston

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Eastern white pine (*Pinus strobus*) is a crucial ecological and economic component of forests in the northern U.S. and eastern Canada. In the southern U.S., white pine is an especially critical associate of forests in the Appalachian Mountains as hemlock trees have been in decline due to the exotic hemlock woolly adelgid (*Adelges tsugae*). Yet throughout the eastern US, from Georgia to Michigan to Maine and adjacent areas in Canada, white pines have experienced unprecedented damage in recent years due to native pests and pathogens that reduce the species’ growth, productivity, and economic value.

For many decades, white pine health has been adversely affected by white pine blister rust (*Cronartium ribicola*) and white pine weevil (*Pisodes strobi*). This article describes additional white pine stressors that have received little or no attention, but are nonetheless linked to declining health of white pine stands throughout eastern North America.

In the northeastern US, *Caliciopsis pinea*, a stem canker, poses a significant threat to white pine. In the past 10-15 years, white pines have succumbed to an increase in the occurrence and severity of *Caliciopsis* infestations; these infestations result in excessive resin production, leading to serious growth declines and commercial defects in lumber. Isabel Munck and Tom Luther (USDA Forest Service, Durham, NH), Kyle Lombard (New Hampshire Forest and Lands), Kirk Broders (formerly with Univ. New Hampshire), Bill Ostrofsky (Maine Forest Service), Kara Costanza and myself (UMaine) are evaluating and researching the problem in the New England states. External symptoms include crown thinning, cankers and profuse pitching. From recent surveys conducted on 360,000 acres of white pine forest (defined as >75% white pine basal area) in Maine, Massachusetts, and New Hampshire, we know that *Caliciopsis* cankers occur on 36% of the

Figure 1. Resin from *Caliciopsis* cankers. Photo by Bill Livingston.

Figure 2. Embedded *Caliciopsis* canker. Photo by Bill Livingston.
Cankers were immature pine scales, which were later identified via DNA analysis as *Matsucoccus macrocicatrices*, the first report of the scale in the southeastern U.S. Surprisingly, *M. macrocicatrices* is common in the northeastern U.S. and Canada and is known as the “Canadian pine scale,” but the insect has not been investigated as an associate of *C. pinea* infestations. Because the scale is frequently associated with *C. pinea* infections on white pine trees in the southeast, this indicates a previously undescribed relationship between insect and fungus affecting white pine health that should be further explored.

In the southeastern Appalachians, since 2006, there has been an increase in observations of dieback and mortality symptoms in white pine, especially in the mountains of Georgia, Virginia, and West Virginia. Kamal Gandhi and Thomas Whitney (Univ. Georgia), Chris Asaro, Michelle Cram, and Rima Lucardi (USDA Forest Service, Georgia) have been studying this problem. The symptoms include branch flagging, canker presence, high resin exudation associated with cankers, and mortality in almost all tree diameter classes. In the Chattahoochee National Forest, Georgia, one region documented 44% of the white pine trees as dead and another 30% of the trees showed >50% dieback. In both Georgia and Virginia, the majority of mortality was observed on trees with <30 cm DBH. Preliminary examination of cankers yielded primarily *C. pinea*, which was found on 86% of branches. Embedded within these various cankers were immature pine scales, which were later identified via DNA analysis as *Matsucoccus macrocicatrices*, the first report of the scale in the southeastern U.S.. Surprisingly, *M. macrocicatrices* is common in the northeastern U.S. and Canada and is known as the “Canadian pine scale,” but the insect has not been investigated as an associate of *C. pinea* infestations. Because the scale is frequently associated with *C. pinea* infections on white pine trees in the southeast, this indicates a previously undescribed relationship between insect and fungus affecting white pine health that should be further explored.

The above reports on declining health of white pine indicate that the stresses may vary from region to region. However, the reported symptoms are similar in that there is frequent reference to canker formation, needle loss, declining growth, dieback, and mortality. Studies will continue across the region to better understand the range-wide phenomenon of declining health in numerous white pine stands.
Maine Division News ~Anthony Filauro

Forestland Conservation
In fiscal year 2017, the LaPage administration will not pursue Federal Legacy funds for the acquisition of public lands. This decision will hamper efforts by conservation organizations to secure public access to private lands or to secure the development rights, thereby maintaining the land in forest production.

The Maine Bureau of Parks & Lands approved the Forest Legacy Program for FY’17; however the LePage administration declined to submit the necessary paperwork to the U.S. Forest Service to solicit the Federal funds that will be available. The loss of this program is unfortunate, since matching state funds are not required in order to secure the Federal funds. To date, Maine has protected more than 750,000 acres through the Forest Legacy Program. MESAF members are encouraged to express their opinion about this matter to their state legislators.

Land for Maine’s Future
In December, Governor LePage approved issuing $5 million of $11.5 million in bonds that were approved by the Maine electorate in 2010 and 2012, for conservation projects such as Land for Maine’s Future. The remaining $6.5 million in approved bonds expired in November 2015 and cannot be issued. Reissuing the expired bonds will be considered by the Legislature during the upcoming session that commences in January.

The governor had withheld issuing the bonds until the Legislature increased harvest volumes from state owned forestlands and used revenues from the sale of forest products for the purchase of heating oil for individuals that receive state support. Use of Department of Conservation funds for that purpose was not approved by the Legislature. In addition, use of those funds for other than DOC programs is not allowed under current regulations as stipulated by Attorney General Janet Mills.

MESAF members should contact their legislators to indicate their support or disapproval for reissuing the $6.5 million in bonds that have expired.

Spruce Budworm
The spruce budworm is advancing in Canada and currently has impacted over 15 million acres. There is concern the budworm moth will be transported into Maine, which could result in the significant mortality of spruce and fir. The Maine forest Service has recently completed a report about the budworm and its prevalence in the state. The report can be viewed at: [http://www.maine.gov/dacf/mfs/forest_health/documents/2015sbwreport.pdf](http://www.maine.gov/dacf/mfs/forest_health/documents/2015sbwreport.pdf)

MESAF Meeting
On October 30, MESAF held a meeting at the University of Maine that focused on “Maine’s New Economy, Our Forested Future”. The theme of the meeting was especially timely due to recent mill closings and downsizing. During the morning session Pat Strauch with Maine Forest Products Council, Dr. Mindy Crandall, with the School of Forest Resources and Bob Dorsey with Aroostook Partnership for Progress addressed the status of Maine’s forest economy and options to improve the economy going forward.

Dana Doran with Professional Logging Contractors reviewed efforts to improve the quality and demographics of Maine’s workforce. Charlie Tardiff with Maibec; Steve Follette with Woodland Pulp; Randy Dicker and Scott Taylor with Pride Manufacturing Company, and Nadir Yildrim with Revolution Research, summarized their company’s efforts to maintain high quality standards for their products, develop new products, and to successfully compete in a global market.

MESAF members recognized at the Fall meeting (from left to right): Robert Frank, Kevin McCarthy, Henry Whittemore, Peter Triandafillou, David Scheidt, George Ritz, Michael Hammond, and James Stewart

During the morning’s business meeting Mike Dann was recognized as a Fellow within SAF for his outstanding service to the profession. Several MESAF members were also recognized for their membership within SAF:

60 Years – Robert A. Frank and Fred A. Huntress
50 Years – James W. Pinkerton
40 Years – Kenneth H. Freye, Kevin T. McCarthy, Neil R. Postelwaite and David W. Skinner
Congratulations are extended to Mike Dann for his election to Fellow in SAF and to the MESAF members who were recognized for their years of service to SAF and to the forestry profession.

A Career in Forestry
The Maine Tree Foundation and the Maine Forest Products Council co-produced a short video entitled “This is My Office – Maine”, to encourage individuals to consider entering a career in logging or forestry. The video is well done and is worth viewing.

MESAF members are encouraged to view and to mention the video to individuals who expressing an interest in pursuing a career in natural resources. The video can be viewed at: www.mainetreefoundation.org.

New Hampshire Division News ~ Jonathan Nute

Bill Davidson Joins NH Div. Forests & Lands
Stationed at the Fox State Forest in Hillsborough, Bill Davidson is the new Forest Health Specialist with the NH Division of Forests & Lands, replacing Molly Heuss. He has a BS from Westfield State University and a Masters degree from the University of Kentucky. His main focus will be the detection and management of Emerald Ash Borer as it continues to spread in NH.

James Frohn Joins UNH Coop. Ext.
Taking over the Grafton County position, James Frohn began working for UNH Coop. Ext. out of their North Haverhill office on Dec. 7. He has a bachelor’s degree from UMaine and will be working towards a Master’s degree from UNH. He was previously employed by Landvest as their Vermont regional forester. James replaces Dave Falkenham, who left to work at Paul Smith’s College.

Scenic Farm Protected
Bean Hill farm in Northfield has been protected by a conservation easement donated by Eliza Conde. Eliza is the widow of long time forester John Conde, who passed away on February, 26. The 88 acres of field and forest is a NH Tree Farm and produces hay, maple syrup and PYO berries. The Five Rivers Conservation Trust easement protects 3,500 feet of road frontage as well as a stream and wetlands. Eliza was named Northfield’s Citizen of the Year in 2012.
Connecticut Chapter News ~ Mel Harder

Upcoming CT SAF Winter Meeting
The CT SAF chapter is developing an exciting agenda for their winter meeting on February 23rd at the Connecticut Forest & Parks Association in Rockfall. Dr. Lucianne Levin, Director of Research and Collections at the Institute of American Indian Studies, will give a talk titled, “Our Hidden Landscapes: Stone Cultural Features & Ceremonial Landscapes” about the variety of stone cultural features that can be found in our woodlands. Also, Dr. William Buffum from the University of Rhode Island will talk about his recent publication on overstory tree canopy cover and New England Cottontail habitat management.

Urban Forest Conference and Forest Forum
On October 28th, Connecticut held its 27th Annual Urban Forest Conference and its 11th Annual Forest Forum. Organized by a group included the CT Urban Forest Council, the event attracted some 172 people to the Aqua Turf in Plantsville to hear speakers ranging from DOT Commissioner James Redeker to Hull Forest Product’s Senior Forester Mike Bartlett. The theme of this year’s conference was The Road to Resilient Forests: Bridging Science, Policy and Management.

Highlights included Commissioner Redeker’s talk, during which he shared the DOT perspective on roadside tree management and Mike Bartlett’s talk, during which he discussed the various factors and costs included within the actual price of a board foot of lumber or other forest product.

During the final discussion, an interesting point was raised illustrating some of the distinctions between urban and traditional forestry. While the panelists, which included representatives from the Farm Bureau, NRCS and the CT Land Conservation Council along with the State Foresters, explored the various opportunities and difficulties regarding conserving more forest land, an audience member affiliated with the Hartford Tree Commission raised an opposing point of view for urban forests. In contrast, the questioner stated that in urban areas, those responsible for managing open space, such as city parks may not want any additional land set aside for uses unless there is a significant commitment to manage those existing resources. Without a firm maintenance commitment, land acquisitions could just lead to property deterioration.

Connecticut Invasive Plant Working Group
The eighth biennial symposium is in the planning stages for Fall 2016 and will be held at the UCONN Student Union in Storrs, CT. The CIPWG website, www.cipwg.uconn.edu provides information on invasive plant topics that include identification, management, the Connecticut state list of invasive plants, a photo notebook with a gallery of invasives, non-invasive alternative plants, legislative updates, and a calendar listing invasive plant management events and other outreach activities. CIPWG’s news and events list serve has approximately 770 members from Connecticut and other states in the region.

During 2015, CIPWG members conducted guided invasive plant walks in woodlands, removed asiatic bittersweet, Japanese barberry, garlic mustard and other invasive species from forested tracts in land trusts, conducted training workshops at state forests and parks, delivered presentations on roadside forest management at local conferences, and developed management plans for woodland restoration. We want to hear from you and your success stories of invasive plant removal in Connecticut or other New England states! Send a brief summary and photos to donna.ellis@uconn.edu and we will post them on the CIPWG website.

New Website for Private Woodland Owners
The UCONN Extension Forestry web page will launch an upgrade to its current site later this winter, 2016. The upgrades will include a searchable database for private woodland owners looking for forestry professionals, land trusts or other natural resources professionals in Connecticut. The web site will also include a page dedicated to connecting small wood producers with wood artists.
2015 Family Forests Education Award

Seven faculty and staff members of the Family Forest Research Center (FFRC) on campus recently won the 2015 Family Forests Education Award from the National Woodland Owners Association and the National Association of University Forest Resources Programs, for their comprehensive family forest education program.

The campus's FFRC is co-led by Brett Butler, research forester with the USDA Forest Service and adjunct professor of environmental conservation, and David Kittredge, professor of environmental conservation and extension forester. Other team members are research fellows Sarah Butler and Marla Lindsay, research coordinator Jaketon Hewes and research forester Stephanie Snyder.

Kittredge says, “There are a lot of excellent forest landowner education programs nationwide, but ours is special because our activities are underpinned by applied research. The Family Forest Research Center studies private woodland owner attitudes, behaviors and decision-making, and those research results are actively incorporated into our educational strategies.”

Butler adds, “Across the United States, family forest owners own more forestland than any other ownership group. There are an estimated 189,000 family forest owners who control 1.4 million acres, 46 percent, of the forestland across Massachusetts. For those of us interested in conserving America’s forests, we must be interested in those who control the fate of the forests, and that is largely family forest owners.”

The national award recognizes educational institutions deemed to have delivered the most effective education program benefiting family forest owners over the past five years, organizers say.

A family forest educational program is a combination of educational materials, media, courses, workshops, events and/or electronic media including applied research that supports those efforts, conducted over a period of time for the benefit of family forest owners. The award recognizes effective programs in areas such as forest management, silviculture, forest health, harvesting, forest and estate planning, business management and marketing.

The group’s winning program includes such activities as Woods Forums for landowners to share knowledge and experiences with each other and to meet natural resource professionals. Members of FFRC also designed a Keystone Program to place well-informed opinion leaders in communities to spread forest conservation information, recognizing that new ideas are often communicated most effectively through community leaders and peers.

FFRC members created a MassWoods website to inform landowners about selling timber and planning future use of the land, as well as a brochure and a forest conservation publication distributed to 15,000 landowners over the past five years. Results of applied research done by campus forest investigators is incorporated in the group’s workshops, forums, publications and website.

The Your Land, Your Legacy program is an example of FFRC members making a difference in Massachusetts. Eight landowners have donated 680 acres of conservation land and another 15 landowners have committed to conserve their land and are working with land trusts and conservation agencies to do so, with 1,750 acres pending. In addition, landowners have donated more than $260,000 in land value, and those with pending conservation projects are committed to donate more than $300,000 to permanently conserve it, with more than $1.4 million in land value still in the conservation process.

Outreach activities conducted by the FFRC are built upon research conducted by the UMass Amherst-based team and others. One program it coordinates is the National Woodland Owner Survey where members contact thousands of family forest owners from across the U.S. to better understand who owns America’s forests and why, what they have done with it, and what they intend to do with it.
Rhode Island Chapter News ~ Chris Modissette

Election Results
The following officers were elected during the most recent NESAF/RISAF elections and will serve in these positions through December 2017. Will Walker, Chair, Paul Dolan, Vice-Chair, Rob MacMillan – Chapter Secretary-Treasurer, Rob MacMillan -RI NESAF Representative.

News from RIDEM
Economic Value of RI’s Forests - 2015
“THE Economic Importance of Rhode Island’s Forest Based Economy” was released by the RI Division of Forest Environment and provides a brief summary of this valued asset. This summary outlines the hard numbers in dollars, but Rhode Island’s forests offer far more than that. In the past few decades benefits from trees and forests have taken on new values, cleaning air and water, reducing storm water runoff, climate mitigation and carbon sequestration just to mention a few.

According to State Forester Bruce Peyton “As one of the most densely populated states and with an estimated seventy-four percent of Rhode Island’s forests being privately owned, maintaining a forest based industry is difficult, but not impossible. Surveys have shown that thirty-one percent of these private forest landowners have had commercial harvesting activity on their land. These harvesting operations produce a range of products from veneer logs taken to mills in Vermont and Canada and sawlogs sawn in local mills, to wood chips being burned for fuel in schools.” The report was prepared in conjunction with the Northeast Forest Environment.

Forest and Climate Adaptation Workshop
Members of RI SAF were involved in the planning and attended the Forest and Climate Adaptation Workshop held this past November. These two workshops were intended to help foresters, natural resource managers, land trusts, woodland owners, and other members of the conservation community integrate information related to climate change and forests into their stewardship and conservation activities. Participants identified the climate change impacts most relevant to the lands that they work on and considered planning on-the-ground actions that help ecosystems adapt to changing conditions and address conservation priorities.

The workshop was organized by the Rhode Island Woodland Partnership, Northern Institute of Applied Climate Science, the USDA Northern Forests Climate Hub and coordinated by Maria Janowiak (U.S. Forest Service) and Danielle Shannon (Michigan Tech University) of the Northern Institute for Applied Climate Science (NIACS).

RIFCO Woodland Summit
RI Chapter members were involved in 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 Organization (RIFCO) and the newly-formed RI Woodland Partnership co-sponsored the daylong event, along with its partner organizations, including the RI Tree Farm Program. The day-long event featured indoor and outdoor presentations and workshops, the intent of which was to attract a broad audience, with sessions of interest to professionals, landowners, outdoor enthusiasts, and those who care about RI’s forests and trees and all they support. The Summit was followed by an evening "Woodland Party" celebrating RIFCO’s 25th anniversary.

RI Woodland Partnership
Several chapter members, including Christopher Riely, Chris Modissette, 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."

This past February the Partnership submitted a Climate Change Position Statement to Governor Gina Raimondo and Janet Coit, the Director of the Rhode Island Department of Environmental Management. According to Chapter member Christopher Riely who is serving as the Partnership’s volunteer coordinator, the statement provides “a brief background on the ways that trees and woodlands moderate climate and weather and benefit people. Further, it offers recommendations for actions that the State could take to strengthen forest conservation and stewardship”.

For more information on this position statement and the Rhode Island Woodland Partnership visit: http://www.rieco.org/ri-woodland-partnership.html.

The Partnership was recently awarded a RI Foundation Strategy Grant to develop a strategic plan for the RI Woodland Partnership with RI RC&D Council serving as the fiscal sponsor. According to Christopher Riely, “This project will engage RIWP members in crafting a concrete vision and strategic action plan to enhance the ecological integrity of Rhode Island’s woodlands and the benefits they provide to people.”

For more information about the partnership contact Christopher Riely, CF Forest Supervisor, Providence Water, Tel (401) 521-6300 ext. 7313 or criely@provwater.com.
RI SAF sponsored the forestry section of the 2015 RI Envirothon Competition
Chapter members involved included Paul Dolan, Marc Tremblay, Tom Abbott, Christopher Riely, Chris Modisette, Will Walker and Rob MacMillan.

Providence Water
Chapter members Rich Blodgett, Rob MacMillan and Christopher Riely continue to coordinate free public field tours on Providence Water’s watershed forest during different seasons of the year. These walking tours visit project sites on different parts of the property and are designed to give people a better understanding of forestry and land management issues. These tours have been tremendously popular with the general public.

Freshwater Wetland Setback Regulations to be Amended (by Marc Tremblay and excerpted from The Forest Conservationist, A Publication of the Rhode Island Forest Conservators Organization, Autumn, 2015)
According to the RI Statewide Planning Program, certain provisions of the Wetland Regulations promulgated by RIDEM and the RO Coastal Resources management Council (CRMC) are being revises to meet statewide standards by July 20, 2016. The new law will increase protections for wetlands and create a single wetland standard across the State. The new law focuses on septic system setbacks and buffer contained within town zoning ordinances, but the amendments to the state regulations will also increase buffers along streams and wetlands of all types, including smaller one. The Director of RIDEM is appointing an advisory work group to facilitate input on the criteria relative to considering agricultural activities and plant-based green infrastructure. The harvest of forest products is considered an agricultural activity.

Rules within the existing Freshwater Wetlands Regulations allow for the use of Best Management Practices and Notification of Intent to Cut by the RI Division of Forest Environment as an exemption for timber harvesting operations within and through wetland and stream crossings of less than 10 feet in width.

RI SAF will continue to monitor and offer professional assistance in the development of new regulations over the next months.

Rhode Island Landscape Scenarios Workshop
As part of the Scenarios, Services and Society Research Coordination Network, Harvard Forest held the Rhode Island Landscape Scenario Workshop on November 4th in West Greenwich. The workshop is hosted by the New England Landscape Futures Project of the Scenarios, Services, and Society Research Network at the Harvard Forest in partnership with the Rhode Island Land Trust Council, and the Rhode Island Woodland Partnership.

The task for the day was to engage in an interactive process to build a set of alternative scenarios for how the RI landscape may change over the next 50 years. The resulting scenarios will be part of a New England-wide research and modeling project to analyze their potential consequences.

Et Cetera
Chapter members continue to be involved in a number of other statewide forestry projects/initiatives to include representation of the Forest Legacy Committee, the Forest Stewardship Coordinating Committee, the RI Coverts Project, the Small Scale Forestry project, NRCS’ State Technical Committee and Forestry Subcommittee, the RI Forest Conservators Organization, and the RI Tree Farm Program.

From the Mountains to the Bayous, continues
What the conference was really about to me was relationships. Obviously the relationship between professionals and students and how we can improve upon it, but also the relationships I formed with others at the conference. I met many professionals who encouraged me in my career path and many students that inspired me to keep learning. Attending the conference was a life changing experience that I would not have been able to have without the Society of American Foresters and the Executive Board who sponsored me.

In Memoriam
Paul E. Sendak, 72, of Barrington, NH, passed away peacefully on Sunday, September 27, 2015 after a courageous 25 year battle with cancer. Born March 8, 1943 in Passaic, NJ, he was the son of the late Paul and Lillian (Sabol) Sendak. He graduated from Rutgers University in 1965, and earned his doctorate in Economics from University of Massachusetts, Amherst, in 1970. He worked for the U. S. Forest Service for 38 years before retiring in 2007. Paul leaves behind his loving wife of 47 years, Carol (Burke), of Barrington; two daughters, Michelle and her husband Jeff Choate of Hollis, NH, and their children.
<table>
<thead>
<tr>
<th>DATE</th>
<th>TITLE</th>
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<tbody>
<tr>
<td>23-Sep</td>
<td>Northern White Cedar Management in the Acadian Forest - New Findings</td>
<td>Solon, ME</td>
<td>4.5/I</td>
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<td>24-Sep</td>
<td>A Conversation about Forest Conversion and Conservation</td>
<td>Morrisville, VT</td>
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<td>25-Sep</td>
<td>Timberland tour SFI standard workshop</td>
<td>Errol, NH</td>
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<td>27-Sep</td>
<td>MA DCR Town Forests Event 2015</td>
<td>Wilbraham, NH</td>
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<td>Forester's Institute - Northern Hardwood Management and Wildlife Management</td>
<td>Dover-Foxcroft, ME</td>
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<tr>
<td>2-Oct</td>
<td>Wildlife, Conservation, and Forestry in the Northeast (Day 1)</td>
<td>Sturbridge, MA</td>
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<td>2-Oct</td>
<td>Safe and Productive Felling</td>
<td>Bridgewater, NH</td>
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<td>2-Oct</td>
<td>Massachusetts Tree Steward Training (Day 1)</td>
<td>Petersham, MA</td>
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<td>3-Oct</td>
<td>Massachusetts Tree Steward Training (Day 2)</td>
<td>Petersham, MA</td>
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<td>3-Oct</td>
<td>Farm Tractors and Forestry</td>
<td>Bridgewater, NH</td>
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<td>3-Oct</td>
<td>Wildlife, Conservation, and Forestry in the Northeast (Day 2)</td>
<td>Monson, MA</td>
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<td>3-Oct</td>
<td>Landscape and Forest Tree and Shrub Disease Workshop</td>
<td>Amherst, MA</td>
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<td>5-Oct</td>
<td>Advanced Felling</td>
<td>Rumney, NH</td>
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<td>6-Oct</td>
<td>Framework Trees of New England</td>
<td>Framingham, MA</td>
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<td>7-Oct</td>
<td>Timber Cruising and Inventory Processing</td>
<td>New Limerick, ME</td>
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<td>Skidder Bridge Building Workshop</td>
<td>Durham, NH</td>
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<td>Forestry Road Building</td>
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<td>15-Oct</td>
<td>Getting Around with Metes and Bounds</td>
<td>Hancock, NH</td>
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<td>15-Oct</td>
<td>Tiger - A Software Tool for Timber Inventory, Growth, and Economic Review</td>
<td>Portsmouth, NH</td>
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<td>16-Oct</td>
<td>Invasive Plants: ID, Documentation, Control</td>
<td>Framingham, MA</td>
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<td>Maine Tree Farm Inspector field training exercise</td>
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<td>18-Oct</td>
<td>Identifying Trees by Their Bark</td>
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<td>23-Oct</td>
<td>US Forest Service Timber Volume</td>
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<td>24-Oct</td>
<td>Birds, Bucks, and Bunnies</td>
<td>NH</td>
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<td>25-Oct</td>
<td>New England ISA Conference &amp; Tradeshow</td>
<td>Conway, NH</td>
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<td>26-Oct</td>
<td>Logger and Forester First Aid, CPR, and AED</td>
<td>Hillsborough, NH</td>
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<td>27-Oct</td>
<td>Logger and Forester First Aid, CPR, and AED</td>
<td>Lancaster, NH</td>
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<td>29-Oct</td>
<td>CFRU Fall Field Tour - Preparing Maine's Forest for the next SBW Outbreak</td>
<td>Wells, ME</td>
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<td>30-Oct</td>
<td>Harvesting to Meet Landowner's Goals</td>
<td>Old Town, ME</td>
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<td>30-Oct</td>
<td>Maine’s New Economy, Our Forested Future</td>
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<td>Northern Hardwood Management</td>
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<td>2-Nov</td>
<td>NH Pollinator Summit</td>
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<td>Bosses’ Buffet</td>
<td>Campton, NH</td>
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<td>9-Nov</td>
<td>Forestry Laws for Municipal Officials &amp; Volunteers</td>
<td>Auburn, NH</td>
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<td>10-Nov</td>
<td>Forestry Laws for Municipal Officials &amp; Volunteers</td>
<td>Lancaster, NH</td>
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<td>10-Nov</td>
<td>Invasive Pest Training</td>
<td>Charleston, ME</td>
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<td>18-Nov</td>
<td>2015 Regional Conservation Partnership Network Gathering</td>
<td>Nashua, NH</td>
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<td>18-Nov</td>
<td>Climate Change and New Hampshire Forests</td>
<td>North Woodstock, NH</td>
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<tr>
<td>19-Nov</td>
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<td>North Woodstock, NH</td>
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<td>20-Nov</td>
<td>Climate Change and Rhode Island Forests (Day 1)</td>
<td>Smithfield, RI</td>
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<td>21-Nov</td>
<td>Climate Change and Rhode Island Forests (Day 2)</td>
<td>Smithfield, RI</td>
<td>3.5/I</td>
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<td>1-Dec</td>
<td>Conservation Easement Basics for Realtors</td>
<td>Peterborough, NH</td>
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<tr>
<td>3-Dec</td>
<td>Conservation Easement Basics for Realtors</td>
<td>Moultonborough, NH</td>
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<td>4-Dec</td>
<td>Using the latest technology for proper planning and implementation of Best Management Practices (BMPs)</td>
<td>Presque Isle, ME</td>
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<tr>
<td>5-Dec</td>
<td>Bare Trees &amp; Naked Shrubs</td>
<td>Framingham, MA</td>
<td>3.5/I</td>
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New England Society of American Foresters
96th Winter Meeting ~ March 8-11, 2016
Sturbridge Host Hotel & Conference Center in Sturbridge, MA

Leadership and Innovation in New England Forestry

Tuesday, March 08, 2016
1:00-5:00  NESAF Executive Committee Meeting

Wednesday, March 09, 2016
8:00-5:00  NESAF Registration – Ballroom Foyer

GENERAL SESSION
Abbington-Brookfield

10:00-10:40  Welcome and introductions
Fred Borman, Chair NESAF
Adam Moore, General Chair, winter meeting

10:45  12:00  Plenary Speaker
Michael Wojtech, Freelance Writer and Educator
The Structure and Ecology of Bark

12:00-1:30  Lunch and NESAF Business Meeting - Abbington-Brookfield

1:30-2:00  Break, visit with exhibitors – Cheshire/Danforth

2:00-3:20  CONCURRENT SESSIONS A

Technical Session 1: Agroforestry I - Abbington
Moderator: James Chamberlain, USDA Forest Service, Southern Research Station, FIA
Wilhelm Farm Forest Case Study - Ann Wilhelm & William Bentley, landowners
Silvipastoral Systems in the Northeast - Joe Orefice, Paul Smith’s College
Forest Birds in Agroforestry Context - Sean Grace, Audubon Connecticut; Eric Hanson, Ferrucci and Walicki, LLC

Technical Session 2: Leadership opportunities with non-profit collaborations - Commons
Moderator: Marc Tremblay, Rhode Island Forest Conservator’s Organization
The MFA Experience - Charles Thompson, Massachusetts Forest Alliance
Partnerships with Conservation Districts - Joseph Smith, Northeast Area Representative, National Association of Conservation Districts Forest Resource Policy Group
Regional Conservation Partnerships in New England and Eastern New York - William Labich, Highstead Foundation

Technical Session 3: Controlling invasives from landscapes to woodlots - Brookfield
Moderator: Florence Peterson, USDA Forest Service, Northeastern Area State & Private Forestry
Picking Your Battles: Priority Areas for Invasive Plant Management in NH - Rachel Stevens, New Hampshire Fish and Game
Invasive Plant Control - Tough Work, Tougher Sell - Adam Moore, Sheriff’s Meadow Foundation - Martha’s Vineyard
Invasive Plants: Detection to Treatment - Jeff Taylor, Vegetation Control Service

3:20-3:40  Break, visit with exhibitors – Cheshire/Danforth

3:40-5:00  CONCURRENT SESSIONS B

Technical Session 4: Agroforestry II - Abbington
Moderator: James Chamberlain, USDA Forest Service, Southern Research Station, FIA
Wild leeks & ramps - James Chamberlain, USDA Forest Service
Small Scale Harvesting on Farm Forests - Ian Branson, Branson Forestry
Moderated Session on Non-Timber Forest Products for the Northeast - James Chamberlain, USDA Forest Service
Technical Session 5: A stable forest base: foresters are critical to land transfer decisions - Commons
Moderator: Paul Catanzaro, University of Massachusetts
Paul Catanzaro, University of Massachusetts
Marla Lindsay, University of Massachusetts
Rebekah Zimmerer, University of Massachusetts
Jessica Leahy, University of Maine
Mary Sisock, University of Vermont

Technical Session 6: Effects of forest management on two species considered for federal listing - Brookfield
Moderator: Thomas French, Assistant Director, Division Fisheries & Wildlife, Massachusetts Natural Heritage Endangered Species Program
The role of forest management in the New England Cottontail listing decision - Steve Fuller, Wildlife Management Institute and the New England Cottontail Technical Committee
Status of the Northern Long-eared Bat and conservation benefits of forest management - Susi von Oettingen, U.S. Fish and Wildlife Service, New England Field Office

5:30-7:00 Student Quiz Bowl - Theatre
Judges: Chris Donnelly, Tim Hawley, Jerry Milne, Joe Orefice
6:00-7:00 Pizza for students during Quiz Bowl
5:30-7:00 Poster session / icebreaker – Commons Foyer
7:00-until Dinner - in hotel dining room – VIP Lounge/Oxhead Tavern or on your own

NESAF 2016 - Leadership and Innovation in New England Forestry

Thursday, March 10, 2016

7:00-8:30 Continental Breakfast – Cheshire/Danforth
7:30-8:30 Working Group Meetings - locations TBA
7:30-8:30 Student meeting - locations TBA
8:00-5:00 NESAF Registration – Ballroom Foyer

GENERAL SESSION
Abbington-Brookfield

8:30-9:45 Keynote - Leadership
Eric Hammerling, Executive Director, Connecticut Forest and Park Association
Will the “Silver Tsunami” increase urgency and resources for forest conservation?
Jane Difley, President/Forester, Society for the Protection of New Hampshire Forests
New Thinking in the Forest

9:45 10:00 Break, visit with exhibitors

10:00-11:15 Keynote - Innovation
Jeff Hallowell, President, ClearStak, LLC
Emerging Small Scale Combined Heat and Power (mCHP) Technologies
Michael Snyder, Commissioner, Vermont Department of Forests, Parks and Recreation
Foresters for the Birds: what it is, how it came to be, what it means for the future

11:15-11:30 Break, visit with exhibitors

11:30-1:45 NESAF Awards Luncheon - Courtyard
1:45-2:00 Break, visit with exhibitors
2:00-3:20  **CONCURRENT SESSIONS C**

**Technical Session 7: BMP Watershed/water quality management** - Abington
Moderator: Christopher Riely, Providence Water
- *Forest Disturbance and Water Quality: Considerations for Managers* - David Orwig, Harvard Forest
- *Best Management Practices in New Hampshire: Assessing the effectiveness on timber harvests and BMPs for severe weather events* - Karen Bennett and Sarah Smith, University of New Hampshire Cooperative Extension

**Technical Session 8: Conservation, innovation and production - public lands management across New England** - Commons
Moderator: Christina Petersen, LandVest
- CT: state- Will Hochholzer, Connecticut Dept. Energy and Environmental Protection, Division of Forestry
- ME: Tom Charles, Maine Division of Parks and Public Lands
- MA: state- William Hill, Department of Conservation and Recreation, Bureau of Forestry
- NH: Ken Desmarais, New Hampshire Division of Forests and Lands; Roger Boyer, White Mountain National Forest
- RI: state- Jay Aron, Department of Environmental Management, Division of Forest Environment
- VT: state- Diana Frederick, Vermont Department of Forests, Parks and Recreation; Jeff Tilley, Green Mountain National Forest

**Technical Session 9: Roadside forest management** - Brookfield
Moderator: Thomas Worthley, University of Connecticut
- Tree biomechanics - Amanda Bunce, University of Connecticut
- Managing roadside forests - Thomas Worthley, University of Connecticut; Jeffrey Ward, Connecticut Agricultural Experiment Station
- Use of LiDAR technology to assess roadside forest conditions and potential risk to power system infrastructure - Jason Parent and John Volin, University of Connecticut

3:20-3:40  Break, visit with exhibitors

3:40-5:00  **CONCURRENT SESSIONS D**

**Technical Session 10: The state of the art: taking a look at how urban forestry takes a look at things** - Abington
Moderator: Chris Donnelly, Connecticut Dept. Energy and Environmental Protection, Division of Forestry
- Urban inventories - Chris Donnelly, Connecticut Dept. Energy and Environmental Protection
- New Haven’s urban forest - Colleen Murphy-Dunning, Yale Urban Resources Initiative
- Successful urban tree planting - Colleen Murphy-Dunning, Yale Urban Resources Initiative

**Technical Session 11: Managing Current Stresses with White Pine** – Commons
Moderator: Mike Bartlett
- *Caliciopsis canker and white pine needle damage* - Isabel Munck, Northeastern Area State and Private Forestry, USDA Forest Service
- *Challenges to sustainability: status, trends, and outlook for eastern white pine in New England* - Mark Ducey, University of New Hampshire, Department of Natural Resources and the Environment

**Technical Session 12: Offered presentations “Flashtalks”** - Brookfield
Moderator: J.P. Barsky, The Connecticut Agricultural Experiment Station

5:00-6:00  Break

6:30-8:00  Alumni Socials - locations to be announced

8:00-until  Traditional music jam session - TBA
Friday, March 11, 2016

7:00-8:30   NESAF Registration – Ballroom Foyer
7:00-8:30   Continental Breakfast – Cheshire-Danforth

8:30-12:30   FIELD TRIPS

Field Trip 1: Asian Longhorned Beetle in Worcester, MA - City and Forest
   Host: Asian Longhorned Beetle Cooperative Eradication Program- USDA-APHIS and MA DCR
   This field trip will provide a quick overview of the history of the eradication program in Worcester, current progress and activities, and a visit to recent full-host removals in forested areas within the regulated zone.

Field Trip 2: Oak silviculture and wildlife habitat on the Yale-Myers Forest
   Host: Julius Pasay, Yale School Forests
   Yale-Myers Forest is a 7,860-acre research and demonstration forest in Union, CT. This tour will visit oak shelterwoods across site gradients and the Red Front Lot wildlife demonstration area. Silviculture and wildlife research findings will be highlighted.

Field Trip 3: Connecticut mill tours - Hull Forest Products and Sigfridson Wood Products
   Host: Michael Bartlett, Hull Forest Products, Inc.
   Tour Hull Forest Products sawmill and flooring shop to see the process of turning locally harvested logs into lumber for flooring, furniture, cabinets, post & beam timbers, railroad ties and pallets. Sigfridson Forest Products has been designing and building post & beam buildings since 1979, using softwoods grown in New England. Tour will view their sawmill, planner shop and shavings mill.

Field Trip 4: UConn Forest
   Host: Thomas Worthley, University of Connecticut
   UConn Forest is a 2,100-acre holding managed for teaching, research, watershed protection, wildlife habitat and recreation. Tour will provide overview of silvicultural activities associated with ash stand management, tree biomechanics, invasive species research, small-scale harvesting techniques, and maple syrup production.
   No cost van transportation is available.

8:30-12:30   WORKSHOPS
   Workshop 1   TBA - Brookfield
   Workshop 2   TBA - Abbington
New England Society of American Foresters  
ANNUAL MEETING  
Sturbridge Host Hotel on Cedar Lake & Conference Center, Sturbridge, MA  
March 8-11, 2016

**SPONSORSHIP OPPORTUNITIES:**

- □ Platinum Sponsor: $1000 or more  
  (One exhibit space including one complimentary registration, full sponsorship of break/event* with company name and logo displayed at event, before general sessions and listed in the conference program)

- □ Gold Sponsor: $500 to $999  
  (Full sponsorship of break/event* with company name & logo displayed at event, before general sessions and listed in the conference program)

- □ Silver Sponsor: $250 to $499  
  (Partial sponsorship of break/event* with company name displayed at event and listed in the conference program)

- □ Bronze Sponsor: up to $250  
  (Company name listed in the conference program)

* You will be contacted by a member of the Exhibits Committee to discuss the availability and cost of specific breaks/events should you choose this option.

**EXHIBIT SPACE:**

Each exhibitor will be provided with a skirted table and electricity as well as one complimentary registration.

Commercial Exhibitor ($300 each) ____  Non-Profit Exhibitor ($225 each) ____

**SILENT AUCTION/RAFFLE DONATIONS:**

We will **BRING** the following item(s):  
________________________________________

We will **SEND** the following item(s):  
________________________________________

Company:  ________________________________________________________________

Contact:  __________________________________________________________________

Address:  _________________________________________________________________

City, State, Zip: ____________________________________________________________

Telephone: _________________________ Email: ________________________________

Enclosed is our check*** in the amount of $ __________________

***Please make checks payable to: New England Society of American Foresters

Please return form with payment by (last date) Jan. 15, 2016 to:

Marc Tremblay  
303 Courthouse Lane  
Pascoag, RI 02859

For more information about sponsorship opportunities or exhibiting please contact:  
Christina Petersen, 413-563-7900, christina.petersen@comcast.net
### New England Society of American Foresters
#### ANNUAL MEETING

Sturbridge Host on Cedar Lake Hotel & Conference Center
366 Main Street, Sturbridge, MA 01566

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**Optional Friday field trip option:**

1. Asian longhorned beetle
2. Oak silviculture and wildlife habitat
3. Connecticut Mill Tours
4. UConn Forest

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**TOTAL**

**OVERNIGHT ACCOMMODATIONS:**

Rooms have been blocked out for NESAF on March 8, March 9, and March 10, 2016 at the:

**Sturbridge Host on Cedar Lake Hotel & Conference Center**

Please call the hotel to make reservations, and state that you are attending the New England Society of American Foresters meeting.

Sturbridge Host on Cedar Lake Hotel & Conference Center
366 Main Street
Sturbridge, MA 01566
telephone (508) 347-7393
fax (508) 347-3824

The room rates are as follows:

- Single: $105
- Double: $105
- Triple: $115
- Quad: $125

Please reserve your room by February 16, 2016.

**To register:**

If paying by check, mail this form with your check to:

Thomas Worthley
Middlesex County Extension Center
1066 Saybrook Road
Haddam, CT 06438-0070

Visit the NESAF website for online registration details (credit card/Paypal):

NESAF.org; menu on left:
Meetings > Annual Winter Meeting
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.