New England Delegation Attends National Convention In Louisville, KY

Thanks to everyone who staffed the NESAF booth at the National SAF Convention in Louisville, Kentucky.

The theme of this year’s convention was “goods from the woods”. It was in that spirit that NESAF brought maple syrup to raffle off during the convention to visitors who stopped by the NESAF exhibit booth (The booth was quite popular!!!).

The syrup was contributed by NESAF Members, and all but Fred Crane (MA) were recognized in the October issue. Apologies for the omission!

Pictured (left to right) are Robert Ricard, Jas Smith, Brendan Prusik, Kevin Evans, Jake Metzler (front), John McNulty, Julie Renaud-Evans, Ken Laustsen (middle) and Phil Bryce, Fred Borman, Donn Downey (back).

Exploring the Potential for Mass Timber from New England Forests

News Quarterly science theme - Dr. Anthony D’Amato, theme editor

Innovations in the forest products industry have been central to sustaining forest-based economies in New England, as well as our ability to apply a range of forestry activities for meeting long-term management goals. Declining traditional markets for low-grade trees, combined with growing interest in the use of green building materials has led to an increased focus on the potential for mass timber production in New England and many other regions around the globe.

This theme provides an overview of mass timber basics and highlights research being led by the Advanced Structures and Composites Center at the University of Maine that is advancing opportunities for the use of northeastern forest species in these rapidly growing markets. Such work is critical for increasing the competitiveness of this region in mass timber markets, while also ensuring sustainable life cycles for these materials.

(Article begins on page 4)
### NESAF Executive Committee Members

**Chair:** Jake Metzler  
Jake@fsmaine.org

**Chair Elect:** William Hill  
William.hill@state.ma.us

**Immediate Past Chair:**  
Julie Renaud Evans  
jevans@northernforest.org

**District 6 Council Rep:**  
Mariani Johnston  
mjohnston@esf.edu

**Secretary:** Mallory Bussell  
Mallory.bussell@gmail.com

**Treasurer:** Donn Downey  
Donn@forestmetrix.com

**Canada:** Vacant

**CT/Grants Chair:** Joseph Orefice  
joseph.orefice@gmail.com

**ME:** Karl Honkonen  
karlwhonkonen@fs.fed.us

**MA/Policy Chair:** Michael Fleming  
mjmefleming@verizon.net

**NH:** Jonathan Nute  
Nutea@comcast.com

**RI/Elections Coordinator:**  
Robert MacMillan  
Rmacmillan@provwater.com

**VT:** Ed O’Leary  
eddoleary@gmail.com

**Science/Tech Chair:**  
Anthony D’Amato  
Awdamato@uvm.edu

**Membership Chair:** Susan Francher  
Susan.Francher@dnrc.nh.gov

**NESAF Archivist & Awards Chair:** Ken Laustsen  
KALaustsen@twc.com

**CFE Coordinator:**  
Andrew Fast  
Andrew.fast@unh.edu

**Website Administrator:**  
Wendy Weisiger  
Wendy.weisiger@gmail.com

**News Quarterly Editor:** Joseph P. Barsky  
esafnq@gmail.com

---

### State Chapter and Division Officers

**Granite State**  
Chair: Steve Roberge  
steven.roberge@unh.edu

**Vice-Chair:** Matt Chagnon  
matt.chagnon@unh.edu

**Treasurer:** Gabe Roxby  
groxy@forestsocty.org

**Secretary:** Samuel Taylor  
samuel.taylor@dnrc.nh.gov

**News Corres:** Steve Eisenhauer  
woodlands@unh.edu

**Green Mountain**  
Chair: Addison Kasmarek  
rkasmarek@gmail.com

**Vice-Chair:** Tony D’Amato  
Awdamato@uvm.edu

**Treasurer:** Ginger Anderson  
quedav56@gmail.com

**Secretary:** Jason P. Nerenberg  
Jason.nerenberg@state.vt.us

**News Corres:** Ginger Anderson  
quedav56@gmail.com

**Yankee**  
Chair: Jeffrey S. Ward  
Jeffrey.Ward@ct.gov

**Vice-Chair:** Larry Rousseau  
Lawrence.Rousseau@ct.gov

**Sec/Treas:** Thomas Worthley  
thomas.worthley@uconn.edu

**News Corres:** N. Brunswick: Vacant

**Rhode Island**  
Chair: Paul Dolan  
Pcdolan1@verizon.net

**Vice-Chair:** Marc Tremblay  
mstremb@cox.net

**Sec/Treas:** Robert W. MacMillan  
rmacmillan@provwater.com

**News Corres:** Christopher F. Modisette  
chris.modisette@ri.usda.gov

**Massachusetts**  
Chair: Nicholas Zito  
nicholast.zito@gmail.com

**Vice Chair:** Alexander J. Amendola  
alexanderamendola47@gmail.com

**Sec/Treas:** Daniel Lawrence  
Dnlawrence19@att.net

**News Corres:** Emery Gluck  
emerygluck@yahoo.com

**Connecticut**  
Chair: Ross Hubacz  
hubacz@hullforest.com

**Vice-Chair:** Rebekah Zimmer  
Rebekah.Zimmerer@state.ma.us

**Sec/Treas:** Joelle Vautour  
joelle.vautour@gmail.com

**News Corres:** Michael Fleming  
mjmefleming@verizon.net

---

### News Quarterly Publication and Advertising Information

<table>
<thead>
<tr>
<th>Issue</th>
<th>Submission Deadline</th>
<th>Publication Date</th>
<th>Advertising Space</th>
<th>Advertising Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Winter</td>
<td>22-Dec</td>
<td>15-Jan</td>
<td>Full Page</td>
<td>$150/issue</td>
</tr>
<tr>
<td>Spring</td>
<td>22-Mar</td>
<td>15-Apr</td>
<td>1/2 Page</td>
<td>$90/issue</td>
</tr>
<tr>
<td>Summer</td>
<td>22-Jun</td>
<td>15-Jul</td>
<td>1/4 Page</td>
<td>$50/issue</td>
</tr>
<tr>
<td>Autumn</td>
<td>22-Sep</td>
<td>15-Oct</td>
<td>1/8 Page</td>
<td>$30/issue</td>
</tr>
</tbody>
</table>

The News Quarterly is the official publication of the New England Society of American Foresters. It is published in January, April, July, and October, and is mailed from Berlin, NH under a non-profit organization bulk mail permit. Address all inquiries to Joseph P. Barsky, 48 Mariner Circle, Trumbull, CT 06611 or nesafnq@gmail.com.
Greetings NESAF Members and friends! I write today from snowy Bangor, Maine where the temperatures have dipped into the single digits following a good snow last night. That means a new year is upon us and what a year it is shaping up to be! This is New England SAF’s 100th year! We were among the first few cohorts of units of SAF back in 1920. In addition, this year NESAF will be hosting the SAF National Convention in Providence, RI (October 28 - November 1). While it won’t take the same “all hands” effort that it did back in 1995 when NESAF hosted the Convention in Portland, ME - it has and it will take many of us to volunteer before and during the convention to show off all the diversity New England’s forests and foresters have to offer and pull off a successful meeting that will have people talking for the next 25 years. Please keep an eye out on www.NESAF.org, this and future News Quarterlies for updates on how you can help.

In addition, as you can see with the attached agenda for the Annual Winter Meeting this year in Springfield, we will be celebrating our 100th anniversary in style with a great program put together which highlights our history and the exciting, dynamic forests we work in today. I look forward to serving over the next year and if you have any questions or concerns please do not hesitate to contact myself or any other Executive Committee members. We are here to serve you and help you be the best forester you can be. See you in Springfield!

Council Update ~ Mariann Johnston

Membership & Database. Recent membership numbers and trends are shown below. Membership is being addressed at National in a couple of ways. Notably, we have a new Membership Director, Steven Glover. I have not worked closely with Steven, but was impressed with his professionalism and competence during our recent Board Meeting in the Washington office. Steven has experience in working with databases (SAF uses iMIS), and is able to knowledgeably converse about the power and potential of this database with our 3rd party contractor, who is evaluating the system and programming. One of the weak points among our national staff has been the lack of training and knowledge on how to work with this database. As a side note, it was determined that we should not change databases at this time (that would be extremely costly), but we will invest in staff training and some programming to make it work as best as possible for now. SAF is also actively advertising for a Membership Manager to assist Steven with membership support.

Membership is currently 10,266 (as of 12/11/19),
In 2018, our numbers were 10,839. In 2017, our numbers were 11,256.
We have 893 new members (as of 12/11/19)
In 2018, our numbers were 894. In 2017, our numbers were 447.

Marketing. SAF has also contracted with a marketing firm to review and revisit our marketing strategy. Members of that firm were circulating during the recent Annual Meeting to engage with members and get a sense of needs and values. They are providing some language for us to use in marketing moving forward. The strategy and approach were presented to the Board of Directors during our recent Washington meeting, and looks promising. I believe one shortfall of past marketing endeavors is the lack of follow through, but I believe the intention at present is to actually follow a long-term strategy. In support of those efforts, SAF is also actively advertising for a Communications/Marketing Manager.

Finances. As of the end of October, SAF’s financial position is strong, with total net assets of $20.1 million ($20.4 million in assets and $256 thousand in liabilities). The 2021 budget and 5-year Financial Plan were presented and approved at the recent Board meeting.

Sale of the SAF Mansion. SAF received an offer from a developer, and is presently working through the legal process of proceeding with sale. Due to historic designations, there is little likelihood that it would be demolished. Rather, it is expected that the interior would be renovated for lease, or for sale to a new owner. While the paperwork is being finalized on the sale, national office staff are also seeking a new space for SAF operations. It is expected that some remodeling of a new space would be undertaken, both to improve staff efficiency and to provide an aesthetically pleasing and professional setting to conduct business.

Convention. The 2019 Louisville Convention had 1403 registrants, and 76 exhibitors/sponsors. Planning is well underway for the next meeting in Providence, RI.
Mass Timber at UMaine

Benjamin Herzog
Wood Technologist,
Advanced Structures and
Composites Center,
University of Maine
(207) 581-2360,
benjamin.herzog@maine.edu

While its combination of structural
performance, flexibility in design,
and aesthetics are enough for many
designers, mass timber has numerous
other advantages.

Many architects and engineers believe
that we are now in the beginning of a
“timber age” where “plyscrapers” will
soon be dotting city skylines all over the
world. These tall wood buildings are a
result of mass timber - a category of con-
struction characterized by the use of large
wood-based panels for wall, floor, and
roof construction. Products in the mass
timber family include: Cross-Laminated
Timber (CLT), Nail-Laminated Timber
(NLT), Glued-Laminated Timber (Glulam),
and Structural Composite Lumber (SCL),
as well as hybrid products manufactured
with a combination of materials.

Sometimes described as “plywood on
steroids”, CLT has become the face of
mass timber. Developed in Austria in the
mid-1990s, initial progress was slow but in
the early 2000s, construction in CLT
increased significantly throughout Europe
(FPInnovations, 2011). CLT typically
consists of three to nine layers of
dimensional lumber or structural
composite lumber laid and glued flatwise
with perpendicular adjacent layers to
form a structural wood panel (Figure 1).
Because the lumber is layered with alter-
nating grain orientation, the strength,
dimensional stability, and fire resistance
of CLT panels are significantly greater
than for individual boards. CLT is
produced in dedicated manufacturing
plants with machinery for remanufactur-
ing, finger-jointing, and surfaced lumber;
glue applicators and specialized panel
presses; and computer-controlled (CNC)
routers that trim panels to size and cut
openings for doors, windows, etc. (Gale, Beck, & Anderson, 2019).
CLT can be used in wall, floor or roof systems in residential or
mid- to high-rise construction. Panels are commonly 8 feet to
12 feet in width, 20 feet to 60 feet in length, and in 3.5 inches to
9 inches in thickness.

Presently, demand for CLT is growing in the United States. As of
October 2019, 664 multi-family, commercial, or institutional
projects had been constructed or were in design in 48 states. This
total includes modern mass timber and post-and-beam structures
built since 2013 (WoodWorks, 2019).

Advantages of CLT construction have been well-documented, and
include:

Environmental Attributes: Wood is the only major natural,
renewable, and sustainable building material. Studies consistently
show that wood outperforms steel and concrete in terms of
embodied energy, air pollution and water pollution. Because wood
products continue to sequester the carbon absorbed by the trees
while growing, and since engineered wood manufacturing requires
significantly less energy to produce than concrete and steel, CLT
has a significantly lighter carbon footprint than other traditional
building materials.

Manufacturing and Construction Efficiency: Because CLT panels
are individually designed, engineered and prefabricated, the time
needed to erect a structure is much shorter than other building
types. Many manufacturers ship panels with pre-installed lifting
straps; contractors then use cranes to lift panels directly into
place. Because panels are designed for specific end-use
applications, they are often delivered and erected using a ‘just-in-
time’ construction method, making CLT perfect for projects with
limited on-site storage capacity (Figure 2).

Figure 1. Cross section of 3-ply (top) and 5-ply (bottom) CLT.
Photo courtesy of U.S. Department of Agriculture.
Brock Commons, a student dormitory on the campus of the University of British Columbia, provides an excellent example of the rapid construction time mass timber can realize. The 18-story building is comprised of 17 stories of wood/concrete construction over a single story concrete podium. Erection of the timber elements was completed in less than 70 days, due largely to savings from off-site prefabrication. In addition, the design of the wood connections allowed for speedy installation of the floors and columns; two stories per week were constructed. As the structure was installed, prefabricated exterior wall panels were lifted into position with windows and cladding place, closing the building envelope as the building went up (Fast & Jackson, 2017).

In addition, since CLT panels, after fabrication, are typically secondarily processed using CNC equipment to precise tolerances, panel joints also fit tighter which results in better energy efficiency for the structure. Because the panels are solid, there is little potential for airflow through the system. As a result, interior temperatures of a finished CLT structure can be maintained with just one-third the normally required heating or cooling energy (Canadian Wood Council, 2010).

Fire Performance: Fire is always a major consideration when designing with wood. Mass timber provides inherent fire resistance due to the nature of thick timber to char slowly at a predictable rate. The natural process of charring during a fire actually serves to protect the structural integrity of the product.

Significant research has been conducted on the fire performance of mass timber products. In 2017, a team of fire experts from the U.S. Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) working alongside scientists from the U.S. Forest Products Laboratory put identically furnished, multistory, one-bedroom apartments constructed of exposed, partially exposed, and unexposed (protected) five-ply cross-laminated timber (CLT) through a series of rigorously monitored fire tests (Zelinka, Hasburgh, Bourne, Tucholski, & Ouellette, 2018). The tests provided valuable data that was used in the development of code changes that will allow tall wood buildings as part of the 2021 International Building Code (IBC). These changes will include three new construction types, Type IV-A, IV-B and IV-C, expanding the use of mass timber - most notably, these provisions will allow timber structures up to 18 stories and 270 feet.

Cost: The results of feasibility studies and cost analyses are promising for mass timber. When various types of construction have been compared for a given structure, several researchers have found that a CLT option is cost-competitive, particularly for mid-rise residential and non-residential, low-rise educational, low-rise commercial, and one-story industrial buildings (WoodWorks, 2012) (Mahlum, 2014). It is expected that as the supply of CLT and familiarity of construction techniques increase due to increased demand, overall costs will decrease continuing the cost-competitive attribute of CLT.

Forests cover 90% (17.7 million acres) of the state of Maine, making it the most heavily forested state in the country. With its vast forests sitting atop one of the world’s largest population centers, Maine is a prime candidate for mass timber production to feed the growing urban demand for timber buildings. Researchers at the University of Maine have been investigating various aspects of CLT for several years with the objective of promoting its adoption in the region. Several research projects are summarized below.

Structural Performance of Hybrid CLT: Students and staff manufactured and performed mechanical property testing to determine the feasibility of using lumber from Northeastern U.S. forests and laminated strand lumber (LSL) in hybrid CLT (Figure 3) (Davids, et al., 2017). An outcome of this study was a better understanding of how CLT panels may be designed using various wood and engineered wood products to maximize the attributes of the specific laminae, and therefore efficiently maximize the

(Article continues on next page)
mechanical and physical properties of the final CLT panel. For example, test results indicated that the use of LSL as the cross-ply material increased the perpendicular-to-grain shear strength of CLT, which significantly enhanced panel capacity.

Hygrothermal Performance of CLT and Hybrid CLT: The primary objective of this research was to assess and to model the hygrothermal properties, i.e., heat and moisture transfer, of CLT panels made from three distinct combinations of Northeastern lumber and LSL. The hygrothermal performance of these materials both individually and in conjunction in CLT had not been investigated before and is an important indicator of CLT building wall performance in terms of both energy efficiency and durability (Tripathi & Rice, 2019).

Blast Testing of CLT: In 2016, WoodWorks conducted a series of live blast tests on three two-story CLT structures at Tyndall Air Force Base to demonstrate the effectiveness of CLT over a spectrum of blast loads (Figure 4).

The University of Maine supported the project by conducting static/quasi-static testing and data analyses and aiding in the design and on site execution of dynamic blasting. For more information, including videos of the testing, visit: [www.woodworks.org/publications-media/blast-testing-research/](http://www.woodworks.org/publications-media/blast-testing-research/)

Qualification of New CLT Grades: The UMaine Advanced Structures and Composite Center is currently working on a project to introduce two new grades of CLT using machine stress rated (MSR) Spruce-Pine-Fir South (SPF-S) lumber produced in Maine. These grades are designed to be equivalent to existing CLT manufactured with southern yellow pine or Douglas-fir, species known for their high stiffness and strength. Introduction of these grades will make Maine/New England more competitive in the CLT market.

Effect of Gaps/Cavities on Mechanical Properties: Research at UMaine was conducted to investigate the effect of gaps between the inner layers on mechanical properties of CLT. Secondary objectives include the development of modeling techniques applicable to a range of gap sizes to predict said effects, and the determination of whether significant reductions in CLT shear and creep performance, due to the existence of edge gaps of CLT manufactured with lumber, can be mitigated with alternate materials such as SCL.

Maine Mass Timber Commercialization Center

Funded in part by the Economic Development Administration (EDA), and housed at the University of Maine, the Maine Mass Timber Commercialization Center (MMTCC) brings together industrial partners, trade organizations, construction firms, architects, and other stakeholders in the region to revitalize and diversify Maine’s forest-based economy by bringing innovative mass timber manufacturing to the State of Maine. Specific objectives include promotion of the siting a mass timber facility in the State, identifying recommendations to incentivize wider use of mass timber, and promote possible demonstration projects.

The MMTCC membership is ever-expanding to include stakeholders of various interests. Members organize site visits for potential manufacturers and investors, give seminars, and present at various meetings/conferences to further educate the public on mass timber as well as the group’s efforts to revitalize Maine’s forest products industry.

Figure 3. Hybrid CLT panel manufactured and tested at UMaine.
In October 2018, over 180 people attended The Maine Mass Timber Event, hosted by the MMTCC in partnership with WoodWorks. By presenting a dynamic mix of speakers, this event brought together regional stakeholders to address questions that commonly arise when discussing this burgeoning industry.

That same year, the MMTCC co-sponsored the inaugural Maine Mass Timber Design Competition. With more than 30 designs submitted, the competition was deemed a success.

The MMTCC has created an Attraction Package to help attract a mass timber manufacturer and associated investors to locate in Maine. The package presents several possible locations for a mass timber (e.g. CLT) plant within the State, based on criteria such as: site characteristics, environmental issues, utilities, transportation access, labor profile, business climate, quality of life, public services, and State and Federal incentive and tax exemption/credit programs applicable to mass timber manufacturing facilities.

The MMTCC is also coordinating the execution of Life Cycle Analyses (LCA) of competing construction systems, which the wood design community in North America agrees is needed in order to demonstrate the environmental benefits of mass timber construction.

Summary

R&D, promotional, and training efforts are on-going at the University of Maine with the objective of making the State more competitive in the North American mass timber market. Rapid investigation is needed to (1) ensure the region’s lumber resource is a competitive raw material for mass timber products, and (2) demonstrate innovative mass timber technology options to future manufacturers, investors, and the building community.

References


New Englanders Bring Forestry to Philmont Scouts

Lloyd C. Irland
The Irland Group, LLC

This past summer, three New England foresters answered the call to volunteer as Visiting Foresters at Philmont Scout Ranch. Philmont is a 140,000 acre National High Adventure reservation operated by Scouting USA. It occupies a scenic stretch of the Sangre de Cristo mountains in Northeastern New Mexico. Every summer, some 25,000 scouts and their adult advisers hike there. Scout groups, called “crews” from as far as south Florida and Massachusetts arrive at Philmont for treks ranging from 9 to 21 days. Some of the crews evoke the wild west, with burros carrying gear, and even some entirely mounted on horseback.

This program is organized each year by Mary Stuever, District forester for the New Mexico Forestry Department. The Foresters come from all over the country to serve for a week at one of two locations at major campsites along the trails used by the scouts. They are provided with shelters for small groups talks, “bear boxes” full of photos, cookies of pines showing fire scars, tree measurement tools, guidebooks, and other materials. Our location was called Head of Dean, which some of your Philmont veterans might recognize.

One of the campsites has a logging theme -- the staff pretend to be loggers and dress like them, and the activities include a variety of wood chopping and similar chores.

Scouting isn’t just for the boys anymore. Scout groups include girls, the staff includes young women, and many advisers are women.

We learned what a “bear chain” is -- it is the sturdy chain that secures the “bear box” where all gear and edibles are stored at night. On several occasions, staff were seen shouting and banging on pots to drive off visiting bears at mid day.

Other New Englanders this summer were Sean Mahoney of the Massachusetts DCR, and Fred Hellenberg, of Nine Dragons Paper, Dixfield, ME. Mahoney had been to Philmont as a scout, and Hellenberg was on his 3d visit as Visiting Forester. This was my first.
first time ever. The foresters stay in sturdy tents on wood platforms that keep the wind out nicely. They have meals with the staff who manage the campsites and offer other programs. They often help with cooking and cleanup.

Curriculum places a premium on flexibility. Some groups called “crews” pass through with only a water break. Others stay overnight and have time to try the forestry offerings. These may range from a half hour talk while they have lunch in the open, to more formal presentations in the shelter and exercises in measuring and identifying trees.

At head of Dean, there were only a few species of trees and shrubs worth noting, at more than 8,000 feet in what they call the “dry mixed conifer” zone.

A major source of questions is fire. Last year the entire season was cancelled due to the 27,000 Acre Ute Park fire which burned over a significant area. Near our site was a corner of the burn scar of 2003 Ponil fire, which was still an expanse of down trees and grass and weeds in summer 2019.

“Spectacular” does not begin to describe the scenery. From the porch of the staff building, the view stretched to a range of low peaks in Colorado. Nearby, along the trails, views of 12,000 foot Mt Baldy can be seen. A daily Sunset Walk was an opportunity to see a vast, rugged landscape spreading to the east toward the Plains.

I am certain that all of the foresters who serve in this role find it a rewarding experience and hope they can return to do it again -- I know I do. Fred Hellenberg, on his third stint as Visiting Forester, notes that part of the experience is learning from other foresters: “I served there with Geoffrey Anderson and his wife Kristine. He is Range Manager on the Kaibab National Forest in northern Arizona... I believe I learned as much as I was able to share. The evening porch visits, as well as the sunset hikes, provided excellent opportunities to discuss southwestern forestry and share ideas. Fire ecology, especially the negative effects of long-term fire exclusion, was a favorite topic. Geoffrey provided a wealth of info regarding fire suppression from the perspective of the USFS.”

Sean Mahoney encountered a real surprise when a crew from his home troop in Belmont, Mass. came through.

If you’d like to learn more about this program, get in touch with me or contact Mary Stuever directly at: Mary.Stuever@state.nm.us

Sean Mahoney talking about tree growth to a group of scouts.
Serving Timberland Investors Since 1968

Full Service Forestry Consulting, Timberland Marketing and Investment Analysis Services across the U.S. and Canada

Forest Management • Consulting • Marketing • Sales

- Appraisal & Valuation
- Management Plan Development
- Operation Logistics/Roads
- Ecosystem Services/Carbon
- Timber Sale Administration
- Biometrics/Growth & Yield
- GIS & Technical Services
- Conservation Easements
- Forest Certification
- Tax Abatement Plans
- Purchase & Sale Due Dilligence
- Wildlife Habitat Plans & Invasives Control

Foresters and Licensed Real Estate Professionals in 18 Regional Offices

www.landvest.com

Looking to Branch Out?
Your company’s ad could fit here. Interested?
Contact nesafnq@gmail.com for advertising information.

Also, for those of you who may be interested in receiving a paper copy of the NESAF News Quarterly,
Contact nesafnq@gmail.com

Another funding season is just around the corner!
Have an idea for a project or program that is in need of financial support? The NESAF Grants Program will fund approved projects developed for the following purposes:

- To educate NESAF’s many publics about professional forestry, and,
- To advance the role of the profession in society by promoting the role of foresters in forest resource management

Interested? Contact any EC member on page 2 with questions!
Determining What Forest Managers Need to Increase Climate Adaptation in New England

Maria Janowiak,
Northern Institute of Applied Climate Science and USDA Forest Service
maria.janowiak@usda.gov
Amanda Mahaffey,
Forest Stewards Guild
Christopher Riely,
Sweet Birch Consulting, LLC

The field of climate change adaptation is rapidly growing, with efforts like the Climate Change Response Framework (www.forestadaptation.org/new-england) providing resources, tools, and technical assistance to support climate change adaptation. We gathered input from practitioners from across New England to get a better understanding of the current barriers to implementing climate-informed practices and identify actions that would help overcome the biggest challenges. Results of this work will be published in a Forest Stewards Guild report later this year.

There was widespread agreement among the participants that the climate was changing and that the effects were observable through a variety of changes occurring in forests, including warmer temperatures, more extreme events, and increases in forest pests, diseases, and invasive species. Participants pointed to a number of barriers to climate change adaptation, the greatest of which was the perception of greater uncertainty of future conditions as a result of a changing climate and its effects on ecosystems. The report describes these barriers and explores the following actions as ways to overcome these barriers:

- Manage in the face of uncertainty.
- Expand information resources to inform decisions.
- Prioritize risks and management actions.
- Address barriers to sustainable forest management.
- Learn from each other through communities of practice.

Through this process, we convened many practitioners who are actively interested in advancing climate change adaptation in their work, which shows that there is a high degree of interest in the topic and that a forest climate adaptation community of practice is coalescing within the region.

An Appeal for Fabulous Stuff!

We are looking for items for the Silent Auction and Raffle at this year’s NESAF meeting in Springfield, Mass. The proceeds of the Raffle and Auction goes back to members through the NESAF Grant Fund which are awarded to Chapters to do the following:

- To educate NESAF’s many publics about professional forestry, and,
- To advance the role of the profession in society by promoting the role of foresters in forest resource management

Interested parties can contact me: Paul Dolan 401-500-0399 or rircd2283@gmail.com mailing address 2283 Hartford Ave. Johnston, RI 02919
You can bring it to the conference or send it to me.
Worker Shortage

Maine businesses are having difficulty hiring qualified workers due to applicants that have limited job skills, a compromised driver’s license due to DOT infractions, or difficulty passing drug tests. Forest contractors have additional difficulties due to remote work locations, extended work hours, marginal salaries and a work week that varies due to weather, seasonal conditions and site limitations.

To address some of these problems, the Professional Logging Contractors of Maine has conducted a three-month summer program for the past three years, to train students to operate logging equipment in preparation for employment in the logging industry. The Mechanized Logging Operations Program (MLOP) is conducted in cooperation with community colleges in northern and eastern Maine and Washington County; with logging contractors, and with industry partners such as Milton Cat and NorTrax/John Deere. In 2019, MLOP operated in Stratton, Maine on lands of AFM and involved the training of 15 students. Programs in past years were conducted in 2018 in Ashland, Me. on lands of P&C and in 2017 in Medway, Me. on lands of Katahdin Forest Management. The 2018 and 2017 programs graduated 8 and 6 students, respectively.

To date, 29 students have completed the program and all students who participated have found or have been offered employment in the logging industry. It will take time and effort to overcome the labor shortage problem facing Maine’s forest industry; however proper training, improved working conditions, higher salaries and better benefits will help address this issue.

Cross Laminated Timber

LignaTerra, a manufacturer of cross laminated timber products, plans to construct a facility in Lincoln, Maine on the former site of the Lincoln Pulp and Tissue mill. Funding for construction of the new facility is being raised through the federal Opportunity Zone program. Construction of the facility will commence in 2020, with operations to start in the fourth quarter of 2021. The facility is scheduled to produce 50 million board feet of cross laminated timber, with a workforce of 100 employees.

MESAF Fall Meeting

On October 7th and 8th, 147 individuals gathered at Wells Conference Center, University of Maine to reflect on the benefits and the effect of the past twenty-five years of forest certification in Maine.

On October 7th, presentations focused on: 1) the early years of certification of lands managed by Seven Islands Land Company and lands of J.D. Irving, Limited; 2) the current state of forest certification and its prospects going into the future; 3) the role of certification to address climate change and carbon sequestration; 4) the impact upon and the influence of private and corporate land owners, forestry businesses and non-government organizations, and 5) the social, economic and ecological effects of certification upon the State of Maine and its forestlands.

On October 8th, presentations focused on: 1) corporate and social responsibilities toward management of forest resources; 2) current and future markets for consumer products harvested from certified forest lands, and 3) the perceived direction of forest certification and resource management, going forward.

The presentations generated discussion and numerous questions from those in attendance. The two-day program was well received based upon comments submitted at the conclusion of the program.

At the business meeting on October 7th, individuals were recognized for their years of membership in SAF:

◆ 60 Years - Clifton E. Foster, Peter R. Hannah and Benjamin F. Hoffman Jr.
◆ 50 Years - Sidney E. Balch and Lloyd C. Irland
◆ 40 Years - David Allen, Gary D. Bahlkow, Barbara E. Brusila, Susan G. Conard, John W. Bryant, John S. Banks, Gregory E. Foster and John A. Wadsworth
◆ 30 Years - Deirdre M. Rose, Richard R. Jones, Robert R. Nelson, Steven K. Pelletier and Charles E. Cotton III
◆ 20 Years - John-Pascal Berrill
◆ 10 Years - Colton S. Burgess, Thomas P. Fox, John M. Kelly Thomas S. Coleman, Robert A. Cousins, David S. Hopkins Jr., Christopher D. Nichols and David C. Parker

Congratulations are extended to these individuals for their years of membership in MESAF and their service to SAF.

New England Loggers Cooperative

The New England Loggers Cooperative, which represents 200 loggers in Maine, has entered into an agreement with Materiaux Blanchet Inc. in Quebec. The agreement stipulates that wood products harvested in Maine will be cut and hauled to the mill by Maine workers. The St. Pamphile mill, operated by Materiaux Blanchet Inc., is located on the Maine - Quebec border and has an annual capacity of 150 million board feet.
In-State Gatherings

The Granite State Division SAF winter meeting is Thursday, February 20, 2020 at the Grappone Center in Concord, NH. No need to be a member to attend. For programmatic questions, you can contact Tim Fleury directly at (603) 796-2151 or tim.fleury@unh.edu. For registration questions, you can speak with Gabe Roxby at (603) 224-9945 or groxby@forestsociety.org.

NH Farm, Forest and Garden Expo will be held on February 14 and 15, 2020 at the Double Tree by Hilton in Manchester, NH.

New Cooperative Extension Foresters

UNH Cooperative Extension has hired two new County Foresters. Rebecca DiGirolomo will cover Belknap and Strafford Counties. She recently was the Conservation Project Manager at the Monadnock Conservancy in Keene, NH and is a Master’s recipient from the College of Environmental Science and Forestry at SUNY, Syracuse. Mike Gagnon will be the Belknap County forester. He recently taught High School classes in Forestry, Agriculture and Natural Resources at Alvirne High School in Hudson, NH. Mike is a graduate of the UNH Thompson School, Baccalaureate program and graduate school.

Market Update - Andy Fast, Cooperative Extension Forest Industry Specialist

After an uncertain fall, marked by lower overall production, the holidays are beginning to bring “good cheer.” If wide open and stable [temporarily at least] markets were on everyone’s Christmas list, it looks like that is being delivered in time for the holidays.

Markets are wide open for now. The five biomass plants are purchasing chips; pulp markets continue to be strong and profitable for most operators; firewood operators are hungry for wood, and sawlog prices have been stable for most products. For the last year and a half, there have been cries for stability - open markets that are accessible and reliable pricing.

Stumpage and delivered prices for most sawlogs are still well below highs from a couple of years ago; however, there is not the same concern from some loggers and foresters that stumpage/delivered prices will experience the full brunt of reductions seen in lumber pricing - particularly as it relates to higher value hardwoods.

Tie and mat-logs continue to be in high demand and have been a steady and exceptionally strong market during an otherwise volatile period. All indications are that this market will continue to remain strong.

Our sawmills and lumber distributors have had a challenging year, especially hardwood producers. Despite a recent and somewhat brief uptick in exports from some mills to some regions, markets were difficult and are viewed with caution. The spread between green and kiln dried wood has been very tight over the last year for many products and this seems to be easing somewhat. Ash lumber has been experiencing decreased pricing. Most other hardwoods are somewhat steady with soft maple being a bright spot and experiencing increased price and demand.

Softwood pricing for logs has been pretty consistent or improved slightly.

In Memoriam

A well-known and respected NH landowner and supporter of NH non-profit organizations, Bruce Schwaegler passed away in October, his obituary can be found here.
Green Mountain Division Chair Attends Leadership Academy
Addison Kasmarek represented the Division at the Leadership Academy sponsored by NESAF and the Allegheny Division in PA in November. The meeting included a cross section of participants sharing information and strategies on chapter organization.

UVM Student SAF Chapter Sponsors GOL
This fall the UVM SAFers sponsored Game of Logging Trainings 1&2 and 3&4 at the Jericho Research Forest. The workshops served 15 people and furthered the Student Chapter’s capacity to manage several forest stands that they have been assigned to oversee at the research forest.

Forest Ecosystem Monitoring Cooperative
The annual FEMC meeting was held on the UVM campus December 13. As usual the turnout was at capacity and offered a diverse group of speakers and topics on forest ecosystem topics from around the Northeast.

Green Mountain Division Winter Meeting
The GMD-SAF winter meeting is scheduled for February 14, 2020 at Vermont Technical College in Randolph. The agenda is being developed at this writing, but the Division is welcoming students from the Randolph campus to the meeting and members will learn about the college’s offerings in forestry and arboriculture.

Urban and Community Forestry Staff changes at FPR
Vermont Department of Forests, Parks & Recreation announced two major staff updates in the Urban and Community Forestry Program this fall. Elise Schadler was named Program Manager following Danielle Fitzko’s move to Forestry Division Director. Schadler works on Tree City and other partnership and grant programs as well as overseeing the U&C program management. Schadler’s former position as Technical Assistance Coordinator for U&C is being filled by Joanne Garton. U&C Tech Assistance focuses on Trees and Roads, Resilient Rights-of-Way, Public Tree Inventories & Management Planning and EAB Preparedness for Communities. The U&C staff is already planning the April 30, 2020 Vermont Arbor Day Conference.
Family Forest Research Center Wins Chief’s Award

On Thursday, Dec. 5, members of the Family Forest Research Center, a joint venture between the USDA Forest Service and the University of Massachusetts Amherst, received the U.S. Forest Service’s Chief’s Award. The award was presented by Forest Service Chief Vickie Christiansen in a ceremony at the USDA headquarters in Washington D.C. The Family Forest Research Center was honored for its contribution to a U.S. Department of Agriculture goal to “Strengthen the stewardship of private lands through technology and research.” The Family Forest Research Center aims to illuminate the motivations, management activities, future plans, and challenges faced by the nearly 10 million families, individuals, trusts, and estates, referred to as family forest owners. Collectively, family forest ownerships control 290 million acres of forestland, or 36 percent of the nation’s forestland. Family forest owners provide critical public benefits including clean water, carbon sequestration and storage, wildlife habitat, wood products, and recreational opportunities. The Family Forest Research Center is co-directed by Brett Butler, Research Forester with the USDA Forest Service, and Paul Catanzaro, Associate Professor and State Extension Forester at UMass Amherst.

Baker-Polito Administration and U.S.D.A. Forest Service Sign Stewardship Agreement to Support Mohawk Trail Woodlands Partnership

The Commonwealth of Massachusetts and the United States Department of Agriculture (U.S.D.A.) Forest Service today signed a Shared Stewardship Framework under which they will partner with each other, local governments, and other stakeholders to advance the goals of the Mohawk Trail Woodlands Partnership (MTWP) to conserve forests and enhance economic development in the region.

Under the Shared Stewardship Framework signed today by Forest Service Chief Vicki Christiansen and Massachusetts Energy and Environmental Affairs (EEA) Secretary Kathleen Theoharides in Charlemont, the Forest Service will designate a project liaison to the Mohawk Trail Woodlands Partnership and will assist on forest research and expanding natural resource-based tourism. This is the first Shared Stewardship Agreement in the 20-state Eastern Region and the first in one of the ten states that do not have a National Forest.

Initiated in 2013, the Mohawk Trail Woodland Partnership is a collaboration among the Franklin Regional Council of Governments, Berkshire Regional Planning Commission, Franklin Land Trust, Massachusetts Executive Office of Energy and Environmental Affairs, a Forest Service Liaison, and the MTWP Advisory Committee, which has representation from each of the 21 communities in the region as well as regional non-profits.

In late 2018, state legislation authorizing the Mohawk Trail Woodland Partnership was signed into law. The Partnership encompasses 361,941 acres of state and private land. Of the 21 communities eligible to join the partnership, 14 communities are now members, while seven more will vote on whether to join the partnership in the coming months. The Shared Stewardship Framework is an important step in the transition from a locally led vision to a long-term initiative and national model program to conserve and steward the forests, support rural economic development, and strengthen the vitality of these small communities.

Hey, have you visited the NESAF Website? No?
You could be missing out on job opportunities!
You can also read through back issues of the News Quarterly, or find out about upcoming meetings! Check it out at NESAF.org
Volunteers needed for 2020 Chapter Officers

Chair elect and Secretary/Treasurer nominations needed. Attend the Annual Winter Meeting (date to be determined) and throw your hat in the ring.

CAES Announces First Report of Beech Leaf Disease in Greenwich, New Canaan, and Stamford, Connecticut

New Haven, CT - Scientists from The Connecticut Agricultural Experiment Station (CAES) have identified Beech Leaf Disease (BLD) on American beeches (Fagus grandifolia) at three locations in Greenwich, New Canaan, and Stamford, CT. This disease, which can kill trees within seven years of detection, was first discovered in 2012 in Ohio, followed in subsequent years by detections in Pennsylvania, western New York, and Ontario, Canada. With surveys underway to assess the extent of the disease in CT, BLD appears currently to be limited to Greenwich, New Canaan, and Stamford.

Symptomatic leaves collected from these sites tested positive for the newly described nematode, *Litylenchus crenatae*, subspecies *mccannii*, which was confirmed in July of this year to be the causal agent of BLD. The nematode appears to cause disease on only *F. grandifolia* and *F. sylvatica* (European beech). Disease development, transmission, and control are the subjects of ongoing studies.

The symptoms on beech foliage, best observed from below looking up into the canopy, are characterized by dark striping between leaf veins. Members of the public are encouraged to report any findings of similar symptoms on beech to CAES scientists Robert Marra (Robert.Marra@ct.gov) or James LaMondia (James.LaMondia@ct.gov)

Lead a Hike on Trails Weekend

The Connecticut Chapter, in conjunction with the Connecticut Forest and Park Association, is encouraging members to lead a forestry related hike on Trails Weekend June 6 and 7, 2020. Event registration is slated to start January 6, 2020 at [https://www.ctwoodlands.org/ct-trails-weekend](https://www.ctwoodlands.org/ct-trails-weekend). You must register by January 31 to have your hike in the Trails Weekend Brochure. Otherwise it will only be on the website. There should be a forestry hike icon on the registration drop down menu. Spread the word about your good forestry and SAF.
Forest Legacy Grant Announcement

The Rhode Island Department of Environmental Management has received a $2,905,000 grant from the USDA, Forest Service to protect 716 acres of forest in the Scituate Reservoir Watershed from conversion to other uses by a grant through the Forest Legacy Program. The grant targets 14 tracts of land, all of them adjacent to critical land or have frontage on important tributary streams that flow to the reservoir. The parcels will remain privately owned but protected by conservation easements so the property can't be developed or converted to other uses.

The Scituate Reservoir Supplies drinking water for 60 percent of Rhode Islanders but only 25 percent of the watershed is protected with the remaining land under increasing threat of development. The Department has worked with the Providence Water Supply Board, Northern RI Conservation District, and the Land Trusts in the watershed communities since 2017 to identify and protect important tracts of forestland in the watershed.

The Forest Legacy Program was established in the 1990 Farm Bill to protect environmentally important forest lands that are threatened by conversion to non-forest uses. The program is administered by the U.S. Forest Service in partnership with State agencies to encourage the protection of privately-owned forest lands through conservation easements or land purchases. Since its inception, the program has protected 3,600 acres in 22 parcels in Rhode Island. For additional information contact Gregg J. Cassidy, DEM's Forest Legacy program coordinator, at 222-4700, extension 4310.

Doris Duke Charitable Foundation, American Forests Praise RI's Resilient Rhody Strategy

Rhode Island, working alongside the nation's oldest conservation organization, American Forests, has received a $650,000 grant from the Doris Duke Charitable Foundation to increase urban forests statewide. In approving the State's application, the foundation spotlighted Raimondo's Resilient Rhody action plan to drive climate resilience efforts across Rhode Island. Led by Chief Resilience Officer Shaun O'Rourke, the implementation of the grant will empower the state to engage directly with municipalities to develop a statewide urban tree canopy goal, support tree planting and tree care for 3 to 5 pilot communities, develop stronger relationships with nursery and landscape associations, develop an online “decision support tool” to assist with optimizing urban tree planting for environmental and public health benefits, and hire a 2-year grant funded position (who will be an American Forests employee) to be housed at DEM to manage the grant.

Said Governor Raimondo. "Trees are critical in our fight against climate change, and statewide urban tree planning was one of the key strategies identified in our Resilient Rhody report as a way to build climate resiliency in our state."

"Trees are enormously beneficial to the health of people and communities. Trees reduce stress, promote physical activity, clean and cool the air, and help us fight climate change," said Nicole Alexander-Scott, MD, MPH, Director of the Rhode Island Department of Health. "Ramping up urban forests aligns perfectly with Rhode Island's bold and inclusive leadership to build resilient communities and act on climate change," said Jad Daley, President and CEO of American Forests."

For more information on this project contact: Molly Henry, Climate & Health Fellow, American Forests. Tel: 401-222-2445 x2054. Email: mhenry@americanforests.org.
In Memoriam

Editor’s Note: Please forward any NESAF member obituaries to Nesafnq@gmail.com.

Herbert Isaac Winer, son of the late Herman Leo Winer and Hajnalka Langer Winer, born in New York City Sept. 19, 1921, died in New Haven on Dec. 11, 2019 at the age of 98. Herbert grew up in Mount Vernon and Spring Valley, NY. He graduated from Yale University Class of '42, where he majored in classics and botany, serving in the U.S. Army in the Pacific during World War II. He completed a PhD in Forestry at Yale, and taught at the Forestry School until moving to Montreal in 1964. There he worked for the Pulp & Paper Research Institute of Canada and then the Forest Engineering Research Institute of Canada. In 1979 he became head of woodlands management at Mead in Dayton, Ohio. On retirement, he returned to New Haven, and to the Yale School of Forestry and Environmental Studies, where he taught, guided students, coached cross-cut saw contests, and helped design the School's coat of arms. He was a fellow of Berkeley College and an active supporter of the Forest History Society.

Robert (Bob) Slagle passed away his home in Holderness, NH on October 13, 2019. He was born on October 22, 1933 in Lawsonham, PA. He was the valedictorian of his class at Rimersburg High School, and went on to graduate with a degree in Forest Management from Penn State in 1958. In 2015, Bob was awarded the Penn State Mont Alto Distinguished Fellow Award for his professional achievements and service. Since his retirement from the U.S. Forest Service in 1991, Bob followed an eclectic mix of interests, including hunting, fishing, gardening, participating in both a reading group and a writing group, running, cross-country skiing, playing bridge, and riding his bicycle.

Robert Louis Talerico, 83, passed away , September 21, 2018. Dr. Talerico was born December 13, 1934 in Utica, NY, the son of the late Louis J. and Evelyn M. (Kunkel) Talerico. Bob was a graduate of the New York State College of Forestry at Syracuse University where he received his bachelor's, master's, and Ph.D degrees. He served in the army as a medic from 1961-1963. He was employed as a Forest Entomologist for the United States Forest Service prior to his retirement. During his tenure with the Forest Service he worked in East Lansing, MI, Harrisonburg, VA, Hamden, CT and Broomall, PA. Dr. Talerico had a deep love for the environment and enjoyed spending time outside. In his spare time, Bob was an avid reader, cyclist, runner and a lifetime member of the Hamden Fish and Game Club.

Theodore “Ted” Natti, 95, of Pembroke, N.H., passed away on March 28, 2018 at home. Ted was born in Gloucester on August 22, 1922. Ted enlisted in the U.S. Naval Air Corps in 1942, received his Naval Aviator Wings and serviced with the Atlantic Fleet as a torpedo/dive-bomber pilot. He graduated from the University of NH with a BS in Forestry and went on to Yale University to earn a Master’s degree in Forestry. In 1950, Ted started work with the US Forest Service as a research assistant located in the White Mountain area. He started a career with the NH State Forestry Dept. as Chief of Forest Management, responsible for managing 150,000 acres of state-owned lands. He was appointed Director of the Forests and Lands (NH State Forester) in 1967 and served in that capacity until his retirement. He was a member of the National Association of State Foresters serving as president in 1969. He was active in state, regional and national forestry organizations including the Society of American Foresters, chairman of New England Section of SAF in 1969 and founding member of the Granite State Chapter. He also was a licensed Land Surveyor.

Alvin “Al” E. Ingalls, 91, passed away comfortably on April 21, 2018. Al attended Surry Grammar School and Ellsworth High (Class of 1947), taking time out to serve his country in the U.S. Army (351st Regiment, 88th Division) in WWII (1945-1947). He graduated from University of Maine Orono (Class of 1952) with a B.S. Degree in Forestry. Al was a Maine licensed forester and land surveyor. He retired in 1986 after 34 years with Great Northern Paper in Millinocket. Al was a member of the Society of American Foresters and member of the Masonic Lyconia Lodge No. 40 A.F. & A.M. of Ellsworth.

Stanley T. House was born on February 15, 1932 and passed away on Friday, December 28, 2018. He was a resident of East Hampton, Connecticut at the time of passing. He graduated from East Hampton High School and UConn with a degree in Forestry. Upon graduation he served in U.S. Army as a 2nd Lieutenant in South Korea for 16 months. Stan was an active member of the Masonic Lodge having joined the Fraternity in 1955, where he was initiated on April 11th, passed to the degree of Fellowcraft on May 9th, and raised to the sublime degree of Master Mason on May 23rd, 1955.
100th Annual NESAF Winter Meeting

NESAF Turns 100! Celebrating the Past, Looking to the Future

Wednesday, March 25 - Friday, March 27, 2020
Sheraton Springfield, Springfield, Massachusetts

The Yankee Division is excited to host the 100th Annual NESAF Winter Meeting. The first two days will be technical sessions & the third day will include workshops and field trips to various sites around southern New England. We look forward to seeing you there!

NESAF would like to encourage attendance by younger professionals. If your most recent forestry degree was awarded within the last five years, email Jennifer Shakun to receive a discount code for 5% off your registration.

Registration
The fee schedule is beneficial to those who register by February 15th. Online registration is available at this link or use the hard copy registration form in this issue of The News Quarterly.

Accommodations
Sheraton Springfield
1 Monarch Place
Springfield, Massachusetts
(800) 486-0152

A block of rooms is held under the group name New England Society of American Foresters. The single and double room rate is $140 per night (plus room tax). Make your reservations by calling 1-800-486-0152. The event-price reservation cut-off date is February 24, 2020.

Exhibitors, Sponsors, and Raffle Items Needed
For exhibiting information, please contact Bill Bentley billbentley@cox.net or Joseph Orefice joseph.orefice@gmail.com,
For information on sponsorships, please contact Marc Tremblay mstremb@cox.net,
For information regarding the silent auction and raffle, please contact Paul Dolan rircd2283@gmail.com

Posters and Flash Talks
To engage all members, we are seeking both traditional poster presentations and flash talks. Researchers, field foresters, and other land managers are encouraged to participate with a poster or flash talk, as sharing your experiences will benefit the entire membership.

An abstract is required for either poster or for a flash talk. The abstract includes a title and each author’s full name, affiliations, and locations, lead author’s contact information, and whether the submission is being considered for a poster or flash talk. The body of the abstract (not including names, etc.) is limited to 300 words. The deadline for submission is February 22nd.

The lead authors of posters and flash talks accepted for presentation will be notified by email by March 8th and accepted abstracts will be included in the Spring NESAF News Quarterly.

Poster Guidelines: Posters will be in a prominent location and available for viewing on March 25th and 26th. NESAF will provide easels and 48 x 48 in foam core board for display.

Flash Talk Guidelines: The flash talk session is on March 26th from 3:40 to 5:00. Up to ten presentations will be selected from submitted abstracts. The 10-minute timeframe is strictly enforced with 7 minutes for presentation and 3 minutes for questions.

To secure a posters pace and submit your flash talk abstract for consideration, contact Tony D’Amato, awdamato@uvm.edu by February 22nd.

Alumni Socials
The time set aside for Alumni Socials is Thursday, March 26th at 7:00 pm. Anyone interested in reserving space for their Alumni Social should contact Adam Moore, moore@sheriffsmeadow.org 508-693-5207 who can provide details on food and beverage orders.
**NESAF Annual Winter Meeting**

**NESAF Turns 100! Celebrating the Past, Looking to the Future**

March 25-27, 2020 ~ Sheraton Springfield, Springfield, MA

**Wednesday, March 25**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration, Exhibits, and Posters</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Welcome and Call to Order</td>
</tr>
<tr>
<td>Jake Metzler, NESAF Chair</td>
<td></td>
</tr>
<tr>
<td>Jeffrey Ward, Yankee Division Chair</td>
<td></td>
</tr>
<tr>
<td>Adam Moore, General Meeting Chair</td>
<td></td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Plenary 1 (History)</td>
</tr>
<tr>
<td>The NESAF Forestry Profession, 100 Years</td>
<td></td>
</tr>
<tr>
<td>Mr. Ken Laustsen, New England Society of American Foresters Historian/Archivist</td>
<td></td>
</tr>
<tr>
<td>11:15 AM</td>
<td>Plenary 2 (History)</td>
</tr>
<tr>
<td>History of Forest Science - New England Roots</td>
<td></td>
</tr>
<tr>
<td>Dr. Mark Ashton, Morris K. Jesup Professor of Silviculture and Forest Ecology, Yale School of Forestry and Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Technical Session 1</td>
</tr>
<tr>
<td>Dialogue on Forest Policy - Past, Present and Future People</td>
<td></td>
</tr>
<tr>
<td>America’s Forest Policy Heritage from New England and New York</td>
<td></td>
</tr>
<tr>
<td>William Bentley (Salmon Brook Associates)</td>
<td></td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Plenary 2 (History)</td>
</tr>
<tr>
<td>History of Forest Science - New England Roots</td>
<td></td>
</tr>
<tr>
<td>Dr. Mark Ashton, Morris K. Jesup Professor of Silviculture and Forest Ecology, Yale School of Forestry and Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Technical Session 2</td>
</tr>
<tr>
<td>Check your Compass: Forestry Ethics in Practice</td>
<td></td>
</tr>
<tr>
<td>Amanda Mahaffey (Forest Stewards Guild)</td>
<td></td>
</tr>
<tr>
<td>Lloyd Irland (Univ. of Maine &amp; Irland Group)</td>
<td></td>
</tr>
<tr>
<td>3:00 PM</td>
<td>Technical Session 3</td>
</tr>
<tr>
<td>Agroforestry and Non-Timber Forest Products</td>
<td></td>
</tr>
<tr>
<td>Joseph Orefice (Yale FES)</td>
<td></td>
</tr>
<tr>
<td>How Environmental Factors Affect Plantings of Wild-Simulated Ginseng</td>
<td></td>
</tr>
<tr>
<td>Karam Sheban (Yale FES)</td>
<td></td>
</tr>
<tr>
<td>Distribution, Presence, and Tree Health Impacts of the Chaga Fungus in Northeastern Hardwood Forests</td>
<td></td>
</tr>
<tr>
<td>Rhys Brydon-Williams (Univ. New Hampshire)</td>
<td></td>
</tr>
<tr>
<td>Silvopasture Regeneration Methods</td>
<td></td>
</tr>
<tr>
<td>Joseph Orefice (Yale FES)</td>
<td></td>
</tr>
<tr>
<td>3:40 PM</td>
<td>Break</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Technical Session 4</td>
</tr>
<tr>
<td>Relationships Between Logger Demographics and Feasibility of Silviculture</td>
<td></td>
</tr>
<tr>
<td>Nicole Rogers (Univ. Maine Fort Kent)</td>
<td></td>
</tr>
<tr>
<td>Workforce Research and Observations From Maine: Will We Have a Future Workforce Able to Prescribe and Implement Silviculture</td>
<td></td>
</tr>
<tr>
<td>Jessica Leahy (Univ. Maine SFR)</td>
<td></td>
</tr>
<tr>
<td>4:15 AM</td>
<td>Technical Session 5</td>
</tr>
<tr>
<td>Walking in Our Boots: Gender Equality in Forestry</td>
<td></td>
</tr>
<tr>
<td>Nancy Patch (VT DFPR)</td>
<td></td>
</tr>
<tr>
<td>Lynn Levine (Nature Connect) and members of the Women Foresters Collaborative</td>
<td></td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Ice Breaker Reception</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>Student Quiz Bowl</td>
</tr>
<tr>
<td>Joseph Orefice (Yale FES)</td>
<td></td>
</tr>
</tbody>
</table>
## NESAF Annual Winter Meeting
### NESAF Turns 100! Celebrating the Past, Looking to the Future
March 25-27, 2020 ~ Sheraton Springfield, Springfield, MA

### Thursday, March 26

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Working groups</td>
<td></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Registration, Exhibits, and Posters</td>
<td></td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Plenary 3 (Present)</td>
<td>Current State of New England Forestry  Ms. Karen Bennett, extension forester emeritus, University of New Hampshire Cooperative Extension</td>
</tr>
<tr>
<td>8:45 AM</td>
<td>Plenary 4 (The future)</td>
<td>Future of Forests and Forestry  Dr. Anthony D'Amato, Professor and Director Forestry Program, Rubenstei School of Environment and Natural Resources, University of Vermont</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>9:45 AM</td>
<td>Plenary 5</td>
<td>A Call to Action  Mr. Paul Dolan, Area Director - Rhode Island RC&amp;D Council  Mr. Adam Moore, Executive Director, Sheriff's Meadow Foundation  Mr. Terry Baker, Chief Executive Officer, Society of American Foresters</td>
</tr>
<tr>
<td>10:30 AM</td>
<td>Poster session and meet with vendors</td>
<td></td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Award Luncheon</td>
<td></td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Technical Session 7</td>
<td>Long-term Research on the Dynamics of Southern New England Oak-Hardwood Forests  Mark Ashton (Yale FES)</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Technical Session 8</td>
<td>Legacy Forest Structures Differentially Affect Regeneration in a Thirty-Year Chronosequence of Oak-Hardwood Shelterwoods  Jessica Wikle (Univ. Vermont)</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Technical Session 9</td>
<td>The David M. Smith plots: Sixty Years of Monitoring the Regeneration Dynamics Across Forest Openings of a Mixed-Hardwood Forest  David Woodbury (Yale FES)</td>
</tr>
<tr>
<td>2:00 PM</td>
<td>Technical Session 9</td>
<td>Black Swans and Stand Dynamics  Jeffrey Ward (CAES)</td>
</tr>
<tr>
<td>3:20 PM</td>
<td>Technical Session 10</td>
<td>Urban Forests: The Role of People, Planting, and Management in Maintaining Healthy Urban Forests for the Future  Marlysn Duguid (Yale FES)</td>
</tr>
<tr>
<td>3:20 PM</td>
<td>Technical Session 10</td>
<td>Thinking Beyond the Backyard: How Local Planting Palettes are Steering Species Composition in the Northeastern USA  Danica Doroski (Yale FES)</td>
</tr>
<tr>
<td>3:20 PM</td>
<td>Technical Session 10</td>
<td>Forested Natural Areas in Cities: Vegetation Patterns and Governance over Temporal and Spatial Scales  Clara Pregitzer (Natural Areas Conservancy NYC)</td>
</tr>
<tr>
<td>3:20 PM</td>
<td>Technical Session 11</td>
<td>Urban Resources Initiative: a University Model for Clinical Urban Forestry Education  Caroline Scanlan (Yale Urban Resources Initiative)</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Technical Session 12</td>
<td>Restoration of Fire Influenced Landscapes  Fletcher Clark (MA DFW)  Significance of Inland Sand Barrens  Chris Buelow (MA DFW)  Operational Forestry Aspect of Restoration  Benjamin Mazzei (MA DFW)  Role of Prescribed Fire in Restoration  Caren Caljouw (MA DFW)  Flashtalks  Paul Catanzaro (Univ. Massachusetts)</td>
</tr>
<tr>
<td>7:00 PM</td>
<td>Alumni Socials</td>
<td>Arranged by Universities</td>
</tr>
</tbody>
</table>
Fellow and National Award Nominations are Open!

Do you know of an SAF colleague who has worked hard during their career to serve the profession and Society? If so, you may wish to consider a nomination for Fellow.

This is one of SAF’s most prestigious recognitions, and members in good standing are eligible for consideration upon nomination by their colleagues. Visit the SAF website (www.eforester.org) and select Awards/Fellows under the Community link for more information.

To nominate an individual or employer for a national award, download the Nomination Form and then visit the specific award page for criteria and nomination process instructions.

Fellow and National Award Nominations for 2020 are due by March 15, 2020.
REGISTRATION FORM
New England Society of American Foresters
100th ANNUAL WINTER MEETING
Wednesday, March 25 - Friday, March 27, 2020
Sheraton Springfield, Springfield, Massachusetts

Name (for name tag)              Organization/Affiliation (for name tag)
Mailing Address
City                        State   ZIP
Phone                        Email

Pre-registration is highly encouraged. Late registrations cannot be guaranteed meals or other refreshments.

OVERNIGHT ACCOMMODATIONS:
Rooms have been blocked for NESAF for March 24-27, 2020 at the Sheraton Springfield

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

Sheraton Springfield
1 Monarch Place
Springfield, Massachusetts
(800) 486-0152

The room rates are as follows:
Single: $140
Double: $140

Please reserve rooms by February 24, 2020

To register online: To register online: Visit http://www.nesaf.org
- Select Meetings - Annual Winter Meeting on menu on left of the main page. Credit cards and PayPal accepted.

Registration questions can be addressed to:
Adam Moore: moore@sheriffsmeadow.org  508-693-5207

Please note: registration fees are non-refundable.
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.