

# Massachusetts Tree Wardens and Foresters Association

*Organized for the Protection and Preservation of Trees*

*March 27, 1913 ♦ Dr. George E. Stone, Founder*



# BARK

2017  
Issue 3  
Fall

## Kickoff! The Qualified Tree Warden Training Program

Mollie Frelicher MCA, Urban & Community Forestry Program  
Massachusetts Department of Conservation and Recreation, Bureau of Forestry

On Tuesday, October 10, after a long holiday weekend for many, 49 tree wardens and associate members arrived at Eversource in Westwood for the inaugural class in the first-ever Massachusetts Qualified Tree Warden training program. The training is presented by the Massachusetts Tree Wardens and Foresters' Association (MTWFA), in partnership with the Massachusetts Department of Conservation and Recreation, the University of Massachusetts Amherst, and several communities and entities, with support from the USDA Forest Service. The training is the brainchild of Dr. H. Dennis Ryan, (UMass-retired) who outlined the modules and flow for the course. MTWFA's Education Committee worked with Dr. Ryan and other program instructors to develop the content of each session.



Above: Dr. Dennis Ryan delivers one of two safety presentations to attendees at the first session. Inset: Dr. Ryan illustrates a point at the easel.

The program is a six-session course that will take place about once a month over the next eight months and cover a wide variety of topics important for tree wardens. Upon successful completion of the course, tree wardens will receive the designation Massachusetts Qualified Tree Warden, valid for one year. Thereafter, Qualified Tree Wardens must earn five approved continuing education credits to renew the qualification. Qualified Tree Wardens will be able to earn these credits all at once by attending MTWFA Annual Conference, or they may earn them by attending other professional workshops sponsored by MTWFA or other arboricultural organizations. Qualified Tree Wardens will be required to submit an annual recertification sheet detailing where and when they have earned these credits.

Massachusetts General Law, Chapter 41, Section 106, states that tree wardens in communities with over 10,000 inhabitants shall (i.e. must) "be qualified by training and experience in the field of arboriculture [...]." The current law does not state exactly what that might mean, and interpretation can vary widely. And, of course, what about the communities with fewer than 10,000 inhabitants? Shouldn't they have a qualified tree warden too?

We anticipate that the law will eventually define qualifications for tree wardens in communities both above and below the 10,000-population threshold, and that there will be related regulations associated with Chapter 87. There is currently a bill

*Continued on page 8*

The BARK Newsletter is made possible through a grant from the USDA Forest Service, Urban and Community Forestry Program and the Massachusetts Department of Conservation and Recreation, Bureau of Forestry.

## MTWFA Executive Board 2017

### OFFICERS

President—Alex Sherman, Springfield  
Vice President—Paul Sellers, Falmouth  
Secretary—David Hawkins, Pelham  
Treasurer—Ed Olsen, Needham  
Past President—Robert LeBlanc, Walpole

### COUNTY DELEGATES

Essex—Andy DeSantis, Saugus  
Middlesex—Joel Custance, Lexington  
Norfolk/Bristol—Brandon Schmitt, Wellesley  
Plymouth—Craig Hillman, Allscape Tree  
Western Mass.—Alan Snow, Amherst  
Worcester—Ruth Seward, Worcester Tree Initiative

### AT-LARGE MEMBERS

George Ackerson, Clinton  
Ted Bubbins, Plymouth  
Art Goodhind, Natick  
Chris Hayward, Watertown  
David Lefcourt, Cambridge  
Jamie Magaldi, Wilmington  
Chris Scott, Chicopee  
Kent Warren, Wellesley  
Marc Welch, Newton

### NEWSLETTER EDITOR

Karen Doherty, MTWFA Executive Director

## In this issue

Kickoff! MA Qualified Tree Warden	1
From the President	3
Welcome New Members	4
Index of Advertisers	4
Association News and Notes	5
In Memoriam: Paul J. Gleason	6
Mass. DLS: Info for Tree Wardens	10
UMass Summer Program Recap	17
Calendar of Events	20

# MTWFA MASSACHUSETTS TREE WARDENS' AND FORESTERS' ASSOCIATION

P.O. Box 326

South Hadley, MA

781-894-4759

[info@masstreewardens.org](mailto:info@masstreewardens.org)

Published Quarterly

Spring-Summer-Fall-Winter

## From the President

Welcome to the Fall 2017 edition of the Bark Newsletter. I hope everyone had an eventful and productive growing season. Spring rains lifted us out of the extreme drought conditions we have been experiencing in recent years, which is good. A wet spring meant that many of us likely saw an uptick in fungal pathogens affecting trees this summer, which is bad. But as in everything in life, you give and you take and overall, rain is good for trees.



Over the summer the association supported two high school students who attended the UMass summer program in Sustainable Tree Care. The MTWFA was pleased to support this program that seeks to engage young people and foster an interest in arboriculture. Hopefully we have helped to inspire some future arborists and tree wardens!

In July and August, the board took its annual sabbatical from monthly meetings and reconvened in September at the Southeast Tree Wardens and Arborists Association's annual field day. Everyone who attended had a great time, despite the less than favorable weather. Also in September, the board officially welcomed Brandon Schmitt of Wellesley as the Norfolk-Bristol County representative. We look forward to his input and insight as we guide the future direction of the association.

The Massachusetts Qualified Tree Warden Program got off to a great start on October 10, when we held our first session at the campus of Eversource Energy in Westwood. Thank you to Vice-President Paul Sellers for facilitating the use of this venue. I would also like to thank Mollie Freilicher of DCR, Professor Dennis Ryan, and our Executive Director, Karen Doherty for their tireless work to make this program happen. Last but not least, thank you to all the participants who made this session a success and congratulations on being among the inaugural class of the MQTW program! I am looking forward to the remaining five sessions in the coming months.

The finishing touches are being made for the program of the January annual conference, and it is shaping up to be an excellent event full of great talks and information. Be on the lookout for a registration brochure, and we hope to see you all at the Sturbridge Host Hotel in January.

There has been a lot of talk recently about the future of our industry and ways we can recruit young people into the field

of arboriculture and urban forestry. To this end I will offer a few thoughts. Our industry is an extremely wide-ranging field of work, and there is opportunity for an equally wide-ranging group of people to have a rewarding career. We all do what we do for different reasons, and it is up to us to convey our particular passion for what we do to the next generation.

Arboriculture has something for everyone. There is the "adrenaline junky" who is happiest eighty feet up in an oak tree with sawdust filling the surrounding air. There are fewer exciting or rewarding experiences than successfully removing or pruning a large tree with multiple targets below. We are always going to need climbing arborists. There is the "craftsman" who loves working with his or her hands, and for these folks there is a real art to arboriculture. I know that before and after views of a well-pruned tree or hedge always provided me with an intense sense of pride in my work. Many arborists are also skilled in the art of small engine repair, another invaluable asset to any tree care operation. There is the "science nerd" who knows every botanical Latin name and every pesticide chemical name in the book and can go on and on about the particulars of all. For these people there is plant health care, consulting, and academia. There is the "environmentalist" who understands the important role trees play in the urban landscape. We need these folks to advocate for urban forestry in our communities. Finally, there is the "techie" who always has the latest tech device and is bragging about the awesome lines of code they wrote the night before. Technology is permeating every sector of our society, arboriculture included. Geographic Information Systems (GIS) and tree inventory software are becoming the norm for our industry. We need people who understand the industry and how best to apply the latest technology.

I'm sure you all saw yourself in one of these descriptions and more likely a little in each. So how do we get this message out and elevate our industry? First, we always need to promote professionalism. Owning a chainsaw and a pickup truck does not make you an arborist. We must hold ourselves and our peers to the highest standards. Holding ourselves to high standards of work will continue to separate the "wheat from the chaff" and clearly show the importance of professional arborists. Next we can interact with young people. We should take any chance we get to talk to young people about our careers and why we love doing what we do. Many of us are even in the position of offering internships or seasonal jobs, and you never know when this type of experience might grab someone. We also need to help

*continued next page*

continued from previous page

convince the greater public that there are real career opportunities in our industry, not just jobs. There is no lack of opportunities in our industry, and with a little education and/or professional credentials you can make a decent living at it.

This brings me to my final point, that we need to encourage education and training. It all circles back to professionalism and making the experienced arborist stand out from the crowded field of “fly-by-nighters.” We are fortunate in Massachusetts to have a robust community of tree professionals. The UMass Stockbridge School program is a great pathway for young people to get the education they need to build a career and improve the industry. There are also great opportunities for continuing education as we move through our careers. This organization and others around the state offer a number of opportunities to expand the knowledge base of young and experienced arborists alike.

The bottom line is there is great opportunity in our industry but it is up to us, the current generation, to convey this to young people, in order to ensure a viable and constantly improving arboriculture industry in the future.

Thank you and be safe,

*Alexander R. Sherman*

President 2017-2018

## Welcome New Members

Michael Breen - Town of Scituate

Paul Cournoyer - Town of Grafton

Albert Gallant - Town of Winchendon

Kyle Grendell - Town of Framingham

Jeff Legros - City of Gardner

Aaron Miklosko - Town of Maynard

Myles Pierce - Town of New Marlborough

Rajitha Purimetla - Town of Ashland

Sean Reese - Town of Holliston

Maximo Soto - Massachusetts DCR

## Index of Advertisers

Acorn Tree and Landscape .....	14
Amherst Nurseries .....	12
Bandit Industries .....	13
Bartlett Consolidated .....	18
BioForest.....	5
Caluwe .....	7
Cleaves Company.....	12
CUES Equipment.....	13
Davey Resource Group .....	4
Favreau Forestry.....	7
Horticultural Technologies .....	19
Northeast Arbor Supply .....	9
OESCO .....	19
Professional Environmental Services.....	9
Shelter Tree.....	12
Stockbridge School.....	6
U1S Forestry (FEVA) .....	19
Urban Forestry Solutions.....	13



### SOLUTIONS CENTER:

- Tree Inventories
- Urban Forest Management Plans
- Master Plans
- Urban Tree Canopy Studies
- Contract Urban Foresters

### CONTACT ME TO LEARN MORE:

**Andy Hillman**

607.339.3968 | andrew.hillman@davey.com



# NEWS AND NOTES FROM THE ASSOCIATION

## Nominations now open: Tree Warden of the Year

Nominations are now being accepted for the Tree Warden of the Year award, to be announced at the Annual Conference on January 9, 2018. Although the nomination brochure is only mailed to “government leaders,” we welcome nominations from any Massachusetts resident. You can now complete and submit the nomination form online OR download the nomination form and complete and submit it via email or snail mail. Not sure what the award is all about, or how to find the nomination form? Visit the home page of our website at [www.masstreewardens.org](http://www.masstreewardens.org).

## Exhibitor registration is available online - be sure to share with your favorite vendors!

Annual conference is always a great event: educational sessions, professional networking, connecting with old friends and new, hearty food, playing “knotholing” at the exhibitors social hour, and exciting raffle prizes awarded throughout. The Exhibit Hall wins high marks from our attendees for being the central meeting place throughout the conference.

Vendors can sign up for a booth online at [www.masstreewardens.org/exhibitor-information/](http://www.masstreewardens.org/exhibitor-information/) or by contacting the MTWFA office at 781-894-4759.

## Annual Conference in Sturbridge January 9-10, 2018

**THERE'S NO  
TURNING BACK THE  
CLOCK ON EMERALD  
ASH BORER.**



You can be prepared for the inevitable and BioForest is here to help. The team at BioForest has extensive experience helping municipalities prepare for and manage emerald ash borer (EAB). Using a science-backed approach, BioForest works with municipalities to assess and monitor outbreaks and establish treatment and removal plans that fit within your budget.

Contact BioForest today to discuss how you can implement an EAB management program that includes detection, monitoring, treatment and removal strategies to conserve urban canopy. For more information, please contact 1.888.236.7378 or visit [bioforest.ca](http://bioforest.ca)

**IN MEMORIAM**  
**Paul J. Gleason, MCA**  
**1952 - 2017**



Paul J. Gleason, 64, a resident of Westborough and York Beach, ME, formerly of Southborough, died suddenly on Monday August 28, 2017. Born in Clinton, Paul was a colorful character, witty and wise with a great sense of humor. He greatly enjoyed the loves of his life – his family and friends, his Irish heritage, the Marine Corps, reading, history, arboriculture, birds and nature, York Beach, the Patriots and Red Sox, and the felines – Mick and Fiona.

Paul was a professional arborist who worked for Eversource/ACRT. He was the tree warden for the Town of Hopkinton, a member of the Massachusetts Tree Wardens' and Foresters' Association (MTWFA) for over ten years, and a regular fixture at our annual conference in Sturbridge and other MTWFA events. Paul was also a member of the International Society of Arboriculture, Massachusetts Arborists Association, Massachusetts Association of Landscape Professionals, and a certified arborist in the states of Maine and Rhode Island. He was extremely proud of his military service as a U.S. Marine and in the Massachusetts Army National Guard.

Paul is survived by his wife Paula, his son Ben and many relatives and colleagues. Family and friends gathered to remember Paul's life on Wednesday, September 13th at a funeral home in Framingham. Funeral services and interment were private.

In lieu of flowers, remembrances may be made in Paul's name to: Disabled American Veterans/Dept. of MA, Statehouse RM 546, Boston, MA 02133, or [www.davma.org/donate-now](http://www.davma.org/donate-now).



*at the*  
University of  
Massachusetts  
Amherst

**Stockbridge School**

115 Stockbridge Hall • Campus Center Way • Amherst, MA 01003

*Prepare for a Career in:*

NEW ENGLAND REGIONAL PROGRAM APPROVED

**Arboriculture & Community Forest Management**

*Stand Out in the Crowd...*

---

*We offer other Career Opportunities in:*

- ▶ Equine Industries
- ▶ Fruit & Vegetable Crops
- ▶ Horticulture
  - Floriculture Crop Production
  - General Horticulture
  - Management of Woody Plants
  - Retail Floral Design
- ▶ Landscape Contracting
- ▶ Turfgrass Management



The Small School  
with **BIG**  
Opportunities

(413)545-2222 • [www.umass.edu/stockbridge](http://www.umass.edu/stockbridge)

# MTWFA

## Annual Conference

### January 9-10, 2018

**Sturbridge Host Hotel and  
Conference Center**

**REGISTRATION INFORMATION:**  
available online in November at  
[www.masstreewardens.org](http://www.masstreewardens.org)  
and watch for the brochure  
in the mail



**FROM A SINGLE BRANCH... TO THE WHOLE FOREST.**

Hazardous Tree Removal, Crane Removals,  
Tree Pruning, Storm Debris Reduction/Removal,  
24-hour Emergency Response Services

FAVREAUFORESTRY.COM 978.706.1038 STERLING, MA





ISA CERTIFIED ARBORIST NE-6934A  
TCIA ACCREDITED COMPANY MA-025

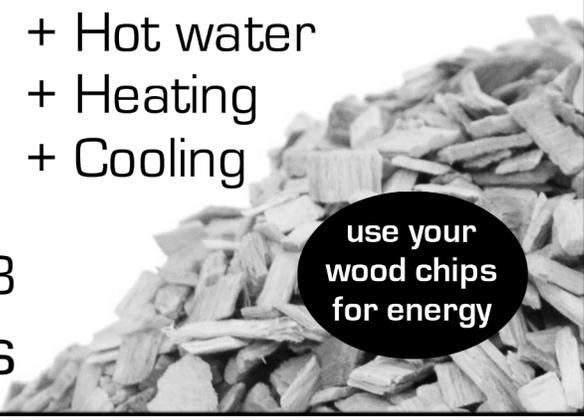
# CAL·U·WE

## Biomass Heat & Power Solutions

**We have solutions for your piles of WOOD CHIPS**

- + Electric Power
- + Hot water
- + Heating
- + Cooling

Burlington MA 781-308-8583  
www.woodchipboilersr.us



use your wood chips for energy

before the Massachusetts legislature that would amend Chapter 87 and allow the Department of Conservation and Recreation to promulgate regulations. Among other changes in Bill S.1122 is this new wording regarding qualification and population:

A qualified tree warden shall be defined as a person who has completed a degree in a forestry or natural resource management field, has attained certification from the International Society of Arboriculture or through the Massachusetts Certified Arborist Program of the Massachusetts Arborists Association or other equivalent professional certification or, for communities with less than 10,000 residents, completed a series of Professional Development courses offered by the Massachusetts Tree Wardens and Foresters Association or equivalent training.

The Qualified Tree Warden program is intended to train those in smaller communities, which may not at this moment have a qualified tree warden, and in larger ones, which more often do. Current attendees include tree wardens from many corners of the Commonwealth and from communities of all sizes. Some have a lot of experience in arboriculture and urban forestry, while others are brand new to the field. The format provides an atmosphere where tree wardens can learn not only from the cadre of instructors but also from their peers. Networking and building community is another important aspect of the Qualified Tree Warden course. After all, we're all in this together!

Over the next eight months, attendees will learn not only about trees, but also about people and the various "non-tree" aspects of being a tree warden, including working with the media, communicating with other municipal departments, and writing a specification. Tree wardens need a wide range of skills and knowledge, and the course will attempt to cover many of these.

Topics will include:

- What a tree warden needs to know, including work priorities, public relations, and cultivating community support
- Plant ecology, botany, and soils
- Tree identification
- Arboricultural standards and safety
- Massachusetts tree laws
- Working with utility arborists
- Budgeting, outside contracting, ANSI A300 Tree Care Practices
- Tree wardens and the community: working with other departments, tree boards, volunteers, and the media.
- Storm preparation: planning with other departments and the utility company, using i-Tree
- Managing and funding tree programs: municipal budgets, DCR & other grants, writing grant applications, Tree City USA and other programs
- Municipal Plant Health Care
- Construction zone management
- Tree risk evaluation, inventory policy, and liability
- Decay and structural support of trees
- A300 tree risk management
- Tree risk field evaluation
- Municipal inventories and i-Tree
- Streetscape design
- Tree planting best practices



Above: Attendees learn the mechanics of soil testing with instructor Rick Harper (standing near doorway).

Continued on next page

Kickoff! Continued from previous page

Interest in the first Qualified Tree Warden program has been high and we regret that limited space caused a number of tree wardens to be deferred until the next course in 2019. The current plan is to hold the Qualified Tree Warden program every other year, in alternate years with UMass Extension's Green School. The Massachusetts Tree Wardens' and Foresters' Association and its partners are looking forward to a great training and increasing the capacity of tree wardens and their programs in communities of all sizes across Massachusetts.



Photo above: Mollie Freilicher teaching the basics of tree identification at the first session. Below: Mollie sorting through tree samples for her presentation.



**Northeast Arbor Supply**  
a division of Northeast Nursery, Inc. – Est. 1982

**Tree Care Professionals:**

Northeast Arbor Supply is proud to offer a wide selection of tree care supplies and equipment.

- Bio-stimulants & IPM Treatments
- Pruning Supplies
- Climbing Gear
- Tree Cabling
- Safety Equipment
- Arborwear & Hi-vis gear

Shop us in store or online, with convenient delivery options!  
[www.northeastnursery.com](http://www.northeastnursery.com)





**PROFESSIONAL ENVIRONMENTAL SERVICES**

**SPRING IS COMING!**

This is the perfect time to start thinking about having a Tree Health Survey conducted!

Are your street trees, park trees, cemetery trees, golf course trees and other open space trees healthy?

Do you have the dead and stressed limb removals and total tree removals prioritized and scheduled?

If the answers are no, then you may want to call:

**PROFESSIONAL ENVIRONMENTAL SERVICES, LLC**

For a  
**TREE HEALTH SURVEY!**

Look us up on our website at:  
**PELLCNE.COM**

Or

Call/E-mail us at the number or E-mail address listed below!

James M. MacArthur 71 Holly Ave. P: (781) 731-3708	Principal Partner & Business Manager Lynn, MA 01904 E: <a href="mailto:pellcne@gmail.com">pellcne@gmail.com</a>
----------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------

# Massachusetts Department of Labor Standards Information for Massachusetts Tree Wardens

H. Dennis Ryan, MCA  
University of Massachusetts, Amherst  
Arboriculture & Community Forestry

The ANSI Z-133 is the safety standard of the tree care industry for both commercial and municipal entities. While the Z-133 standard stands alone, it does work in conjunction with the Occupational Safety and Health Act of 1970. Section 5(a)(1) of that Act reads, "Each employer - (1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees."

Section 5(a)(1) is a general duty clause that recognizes a consensus standard. The Z-133 is the consensus standard for the tree care industry. This basically means that although the ANSI standard is not a law, all tree care industry employers must comply with the standard or risk being cited by OSHA.

The Occupational Safety and Health Act of 1970 excludes all units of government, but this does not mean that government agencies can ignore safety standards. First, in Massachusetts the Massachusetts Department of Labor has mandated that municipal agencies comply with the federal standards. Second, if a workplace accident occurs, the municipal agency may be held liable. In the case of a tree care accident, the Z-133 standard will be used as a baseline in the investigation, which means that government agencies should follow the requirements. In Massachusetts the Massachusetts Department of Labor recognizes the Z-133 for both commercial and municipal tree work.

In December of 2015 there was a workplace injury when a municipal employee cut his finger with a chainsaw. He had to miss some work and filed a workers compensation claim. The comp. claim is what triggered the municipality to be contacted by the Massachusetts Department of Labor Standards (DLS). They were contacted in February of 2016 and were issued a "Written Warning and Order to Correct" by the DLS. Attached are several of the documents produced as part of the corrective action as well as the original written report by DLS. The main thing is that DLS wants municipalities to be consistent with their training programs. In this case, the town did have documentation of safety training sessions for the past five years, but this was a new employee (1.5 months on the job) who had not completed all the same training sessions as the other employees. The town now has a packet that is given to every new employee and then each enters the training program with everyone else. The MA Dept. of Labor inspector also mentioned that DLS was specifically interested in monitoring municipal forestry operations, and inspectors would be targeting municipal tree crews for random inspection and observation. However, the town that was inspected has not had any of these since this incident. It truly is all about training, documentation, and consistency. The DLS is looking for the written policies that were not in place at that time.

## Citation:

MARCH 18, 2016

Town of XXXX, Department of Parks

Pursuant to M.G.L. c. 149, §§ 6, 6 1/2 and 454 CMR 25.00, it is the responsibility of the Department of Labor Standards ("DLS") to investigate occupational hazards in the workplace, to recommend controls to reduce such hazards, and to assist counties municipalities and state agencies to ensure compliance with applicable workplace safety and health laws, regulations, and recognized industry standards.

On December 17, 2015, a Town of XXXX, Department of Parks arborist suffered a laceration and open fracture of the index finger of his left hand while working to remove a sizeable tree. Working as part of a crew on an overcast and rainy day, the worker was limbing the tree from a height of approximately seventy-five feet in a 2015 Terex XT 60/70 Pro aerial lift truck while using a Husqvarna 346XP, fully equipped, professional logging chainsaw. According to the worker, and those who investigated the matter within the department, the worker attempted to engage the chain brake with his left hand. He further claimed that wet gloves may have caused his hand to slip from the chain brake facilitating contact with the turning chain resulting in the injury. Chainsaw basics

*Continued on next page*

teach that there are two ways to engage the chain brake: by pushing the handle forward with a closed fist or a roll of the backhand, or by force of inertia that occur when the saw kicks back. Grabbing the top of the chain break exposes the hand/fingers to the chain.

Subsequently, on February 17, 2016, DLS met with and interviewed the Town of XXXX Department of Parks personnel (“Respondents”) and the Town of XXXX Safety & Health Training Manager to discuss and determine the facts of the incident. DLS also has offered voluntary safety and health technical assistance services of the Respondent’s facilities at a mutually convenient time.

DLS identified conditions which place employees at risk of work-related injury or illness, and issues this Written Warning and Order to Correct to the Respondent to correct those conditions in accordance with Massachusetts General Laws and Federal Regulations, including the Occupational Safety and Health Act of 1970, Section 5(a)(1), 29 CFR 1910, and 29 CFR 1926. (Respondent is advised to apply DLS corrective actions and recommendations as appropriate to all work locations.)

Recommendations may also be provided to prevent work-related injuries at this site and are based on nationally recognized standards. Respondent is advised to apply DLS corrective actions and recommendations as appropriate to all work locations, as well.

### **CONDITIONS REQUIRING CORRECTIVE ACTION**

Item No. 01 Correction Due Date: APRIL 22, 2016

Condition: During the DLS investigation with Town of XXXX Department of Parks personnel (“Respondents”), no evidence was presented to demonstrate that workers were currently trained in recognition and avoidance of unsafe chainsaw and tree work conditions, nor in the regulations or town policies and procedures applicable to their work environment to control or eliminate hazards and exposures to risks. Specifically, documentation of:

1) Written city policies and procedures specific to tree work; 2) Check lists used on a regular basis to assist in full tree and aerial lift work compliance; 3) Worker training documentation for affected workers in the dangers of such work and the appropriate, fully compliant ways of performing such work safely; and 4) Procedures for the use of town-owned chainsaw and aerial lift and equipment .

#### **Massachusetts General Law: MGL c. 149, § 6**

#### **Recognized Industry Standards: 29 CFR 1926.21(b)(2) – Safety Training and Education; ANSI Z133 – Safety Standard for Arboricultural Operations**

Corrective Action Required: Secure, provide and document (or provide evidence of) suitable tree work training for those assigned to tree work operations. Training must be comprehensive, all inclusive and include effects of impact with felled trees including key engineering controls and work practices such as:

#### **CHAINSAWS**

- The blades can cut you.
- Chainsaws are heavy and can cause a back injury.
- Noise from the chainsaws can cause hearing loss.
- Chainsaws can kick back and cause an injury.
- Vibration from the chainsaw can cause numbness and injuries to your muscles, nerves, or tendons (sometimes called “ergonomic” injuries)
- Flying debris can cause an eye injury

#### **TREE FELLING**

- Limit access/set up controlled access zones
- During trimming, keep non-essential response and recovery workers at least 20 feet beyond expected drop zones during trimming

*Continued on page 15*

## TRUSTED ARBORIST PRODUCTS

Since 1994

### CLIMBING GEAR

Buckingham  
DMM  
New Tribe  
Ott Tools  
Samson  
Slic-KEY  
Sterling  
Teufelberger  
TreeHog  
Yale  
Weaver



### PLANT HEALTH CARE

ArborJet  
Bug Barrier  
Doggett  
Mauget  
PHC / LS

### PPE

ArborWear  
ArborTec  
Elvex  
Kask  
Peltor  
Petzl  
SENA

### PRUNING TOOLS

ARS  
Felco  
Hasegawa  
Jameson  
Lightning Stik  
Silky

**Text 42828 and send the word "SHELTER"**  
to join our email list to receive  
**SPECIALS, SALES & EDUCATIONAL INFO**

*Free Shipping on orders over \$100\* on orders received by 2pm.  
Enjoy 1-2 day delivery to over 19 states!*

### EQUIPMENT SALES & SERVICE

Carlton Chippers & Grinders  
Alturamats

Knives & Sharpening Service  
Rental Equipment  
Green & Sandvik Teeth



800-720-TREE

[www.SHELTERTree.com](http://www.SHELTERTree.com)

195 John Dietsch Square | N. Attleboro, MA 02763

*\*Some shipping exclusions apply*



**Cleave's Co.**

**arborists &  
landscape  
equipment**

300 Reservoir St., Needham, MA 02494  
Phone 781 - 449 - 0833 - Toll Free 877 - 449 - 0833  
Fax 781 - 444 - 5611  
[www.cleaveesco.com](http://www.cleaveesco.com)

*We Service All Makes of Wood Chippers!*

Bandit Industries Products	Rayco Products
Commercial Turf Mowers	Chain Saws
Climbing Supplies	Tree Anchoring Systems
Logging Tools	Cablings Supplies
Truck Loaders & Leaf Vacs	Screw Rod
Orchard Ladders	Tree Ropes
Shovels & Rakes	Safety Equipment
Generators	Log Splitters
Hand Pruners	Pole Saws & Pruners
Line Trimmers	Walk Behind Blowers
Hand Saws	Poison Ivy Products

Quality 2 Cycle Products

**AMHERST NURSERIES**

**BUY GROWER DIRECT  
AND SAVE!!**

*FLOWERING/SHADE TREES  
2.5" CAL @ \$79*

*RIVER BIRCH CLUMPS  
10-12' @ \$99*

**LIMITED SUPPLY  
ORDER EARLY**

**CALL FOR COMPLETE LIST  
(413) 549-8873**

Rt 9, AMHERST MA

[WWW.AMHERSTNURSERIES.COM](http://WWW.AMHERSTNURSERIES.COM)



**FULL LINE OF NIFTYLIFT & RAYCO IN STOCK**  
**REAR MOUNT 75' TREE TRUCKS FOR RENT**  
**NEW - ORDER PARTS ON OUR ONLINE STORE**

**SALES & SERVICE - SERVING ALL OF NEW ENGLAND & NEW YORK**  
**ON SITE SERVICE AVAILABLE**

**CUES**

CT 860-886-7081  
 NH 603-889-4071

[WWW.CUESEQUIP.COM](http://WWW.CUESEQUIP.COM)



**Bandit**  
 INDUSTRIES, INC.

- & -



**Cleaves Co.**

*When you're looking for Bandit Equipment,  
 Cleaves Co. offers the*

**BEST** - CHIPPERS & STUMP GRINDERS.  
 - DEALER SERVICE & SUPPORT.  
 - PRICES OF THE YEAR.

*Cleaves Co. has been providing sales and service  
 support to the New England area for over 25 years!  
 Let them show you what a Bandit Chipper  
 or Stump Grinder can do for  
 your operation!*



300 Reservoir Street, Needham, MA 02494  
 Phone: (781) 449-0833 • Email: [info@cleavesco.com](mailto:info@cleavesco.com) • Web: [www.cleavesco.com](http://www.cleavesco.com)



Consulting • Education • Management • Tree Care

Dave Hawkins, Consulting Arborist

*35 Years Experience in Arboriculture*

- Mass. Certified Arborist MCA #1425
- ISA Board Certified Master Arborist NE-0541-B
- RI Licensed Arborist #696
- American Society of Consulting Arborists, *Member*
- Mass. Tree Wardens and Foresters Assn.  
*Executive Board Member; Western Mass. Representative*
- Tree Care Industry Association, *Member, CTSP  
 Certified Tree Care Safety Professional #959*

154 Buffam Road, Pelham, Massachusetts  
 (413) 253-4266 office (413) 237-5106 mobile  
 Email: [dhawkufs@comcast.net](mailto:dhawkufs@comcast.net) [www.ufstrees.com](http://www.ufstrees.com)

# ACORN TREE AND LANDSCAPE

DESIGN AND CONSTRUCTION OFFERING LARGE TREE TRANSPLANTING



Installing 40 ft. Sugar Maple with tree spade



Tree Nursery

Visit our mature specimen tree farm. Over 2,000 mature trees available to instantly establish your landscape.

Relocate your mature plant material to create instant shade, privacy and beauty.

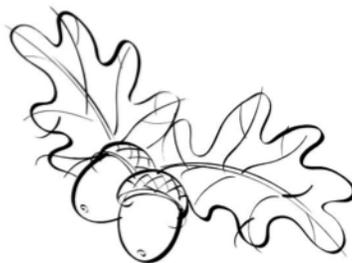
*We offer a wide selection of mature specimen trees:*

- *Japanese Maple*
- *Dogwood*
- *Beech*
- *Sugar Maple*
- *Spruce*
- *and more...*



Hand digging large Rhododendron

- *MA Certified Arborist*
- *Owner Operated*
- *Horticultural Consultant*
- *Planting Plans*



***A leader in New England  
in large tree & shrub  
transplanting***

Harvard, MA • Tel: 978-635-0409 • Fax: 978-635-9840 • [acorntree@aol.com](mailto:acorntree@aol.com)

## *H. Dennis Ryan - Massachusetts DLS - continued from page 11*

- During felling, designate work area so that trees cannot fall into an adjacent occupied work area. Adjacent occupied work areas should be at least two tree lengths from the tree being felled (allow more if it is reasonably foreseeable that the tree might roll or slide)
- Always plan a clear path of retreat before cutting
- Determine the felling direction and how to deal with forward, back, and/or side lean
- Determine the proper hinge size to safely guide the tree in its fall
- If tree is broken and under pressure, make sure you know which way the pressure is going. If not sure, make small cuts to release some of the pressure before cutting up the section
- Be careful of young trees that other trees have fallen against; they act like spring poles and can propel back
- If you have to cut a dead tree, be careful: the top could break off
- If possible, avoid felling trees into other trees or objects; branches and objects may get thrown back toward the tree cutter

The investigation yielded that most/many of the department personnel are likely well vetted and trained, although said training may not be all inclusive and is not well documented. As you know, many programs are available for training and/or refresher training. One, for example, permits one or more key employees at a given organization to become certified tree care safety experts, thereby empowering and encouraging a culture of safety within that organization.

### **CIVIL PENALTY**

Failure to comply with the requirements set forth in this Written Warning and the corrective measures set forth in the associated Order to Correct within the period of time specified may result in the issuance of a civil citation with monetary penalties and other civil penalties as provided by law, pursuant to MGL c. 149, § 6.

**Proof of Corrective Action:** Submit to DLS documentation that employees have been well trained in appropriate chain saw and tree care operations.

### **Subject: Forestry Operations Safety Policies and Procedures**

The Town of XXXX Forestry Division hereby adopts the American National Standards Institute Z133 Safety Requirements for Arboricultural Operations as the official City policy for forestry operations. All work practices conducted by the Forestry Division will abide by the safety recommendations provided in the most current edition of this standard. This includes but is not limited to the following provisions:

Section 5.2: Aerial Devices

Section 5.3: Brush Chippers

Section 6.3: Chain Saws

Section 8.2: Pruning and Trimming

Section 8.5: Tree Removal

### **Written Certification of Workplace Hazard Assessment**

This is to certify that XXXX Forestry Division has evaluated Forestry Division Operations on 3/21/16 in order to determine if PPE is required and, if so, what specific type is required.

(PPE required for this operation or work area is continued on page 16)

*Continued on page 16*

Examples of PPE required for this operation or work area:

<u>PPE Required</u>	<u>Specific Type</u>	<u>Hazard (protection against)</u>
Eye/Face Protection	Safety Glasses	Debris
Head Protection	Class E Helmet	Impact/low voltage conductors
Foot Protection	Safety shoes with impact protection	Dropped objects
Protective Clothing	Cut resistant leg protection	Chainsaw cuts
Hearing Protection	Min. 23 decibel noise reduction rating	Noise exposure
Fall Arrest Harness	Full body harness with shock absorbing lanyard	Fall from height

**Subject: Forestry Safety Training Policies and Procedures**

The Town of XXXX Forestry Division shall utilize the TCI “Tailgate Safety: Manual for Job Site Safety Meetings, 6th edition” published by the Tree Care Industry Association as a safety training program for forestry staff. All new employees will complete the following sessions at a minimum before performing work for the Forestry Division:

Session 12: Chainsaw Selection and Maintenance

Session 13: Chainsaw Use and Safety

Session 19: Brush Removal and Chipping

Session 40: Aerial Equipment and Electrical Hazards

Session 47: Tree Removal

Additional training will be provided on an on-going basis utilizing the “Tailgate Safety” program as well as other sources of training materials.

*(Signed) XXXX, Town Arborist*

**Conclusion**

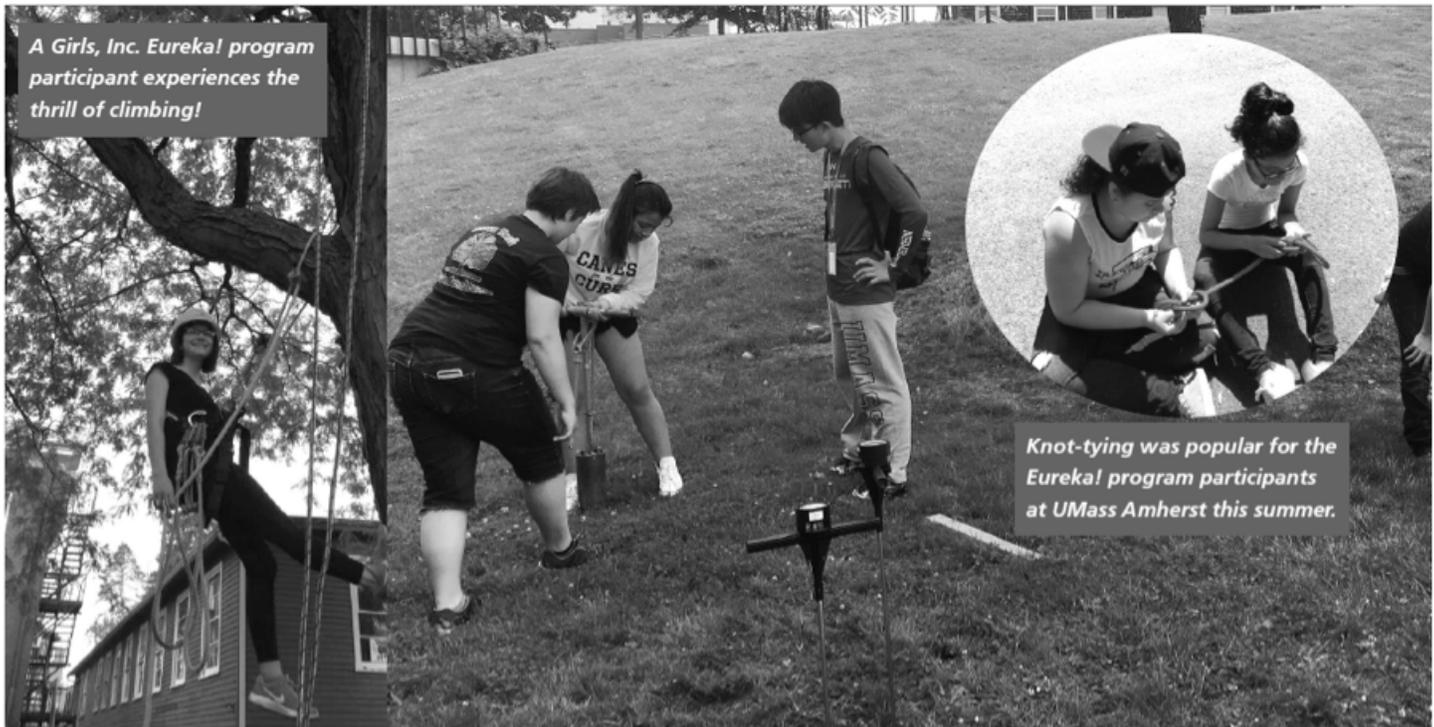
It is the responsibility of all tree care managers, commercial or municipal, to be knowledgeable about all local, state and federal laws, rules, and regulations as they apply to tree work. This would include, but not be limited to, the OSHA, the Department of Transportation (DOT), the Environmental Protection Agency (EPA) and Equal Employment Opportunity (EEO) regulations. There will be an updated new Z-133 2017 being released this fall. Every municipality should get and review a copy.

**H. Dennis Ryan, MCA  
September 24, 2017**

# Summer Arbor Programs at UMass Amherst

Brian Kane

Massachusetts Arborists Association Professor of Commercial Arboriculture



Once again this past July, UMass and the Stockbridge School successfully hosted two summer programs for pre-college students.

In the pre-college Arboriculture program, seven high school students from Massachusetts, Connecticut, New York, and New Jersey met every day for a week, learning basic principles of arboriculture and plant health care. Half of each day was spent in the classroom and the other half was outside in the field. Students learned basic tree climbing and tree ID skills with instructors Brian Kane, Rick Harper, and Nick Brazee. Two students already had some training since they attended Essex Tech, but the others had no previous experience. This made for a nice mix of students, with the more experienced students helping those without any experience. Students really enjoyed the week! We were grateful to the Mass Tree Wardens, New England ISA, Southeast Tree Wardens, and West Crane Service for giving scholarships to four of the students. The scholarships really boosted enrollment compared to previous summers.

The second summer program consisted of two, two-hour introductory workshops on tree climbing for middle school girls in the Eureka! program offered through Girls, Inc. of Holyoke, Mass. This was the third time we offered this program, and it's consistently among the highest rated

*Photos by Brian Kane  
Montage courtesy of the Massachusetts Arborists Association*

of all of the workshops that the girls take in the Eureka! program. The girls come to UMass for 5 weeks in July, and take about 20 different workshops. Even though the girls don't know much about Arboriculture, they quickly take to tying knots and learning some basic physics concepts like friction and torque. On the second day, they all get to climb a tree, under the supervision of instructors Brian Kane and Mark Reiland. And we were again thankful that Jay Ippolito, MCA, Richard Herfurth, MCA, New England ISA, New Tribe, and Scarpa NA donated gear a few years ago to make it possible for all the girls to climb!

We've organized these programs to try to recruit new people to the great career of arboriculture and to encourage them to pursue additional education at Stockbridge and UMass. Several "graduates" of the pre-college program have enrolled in the Stockbridge Arboriculture program. We hope more will apply next year. Recruiting the next class of future arborists is a responsibility we all share. Whether you donate gear or take some time to speak with a local guidance counselor or at a local school's "career day", your efforts will help ensure that young men and women see being an arborist as a great career.

We have been recovering & repairing  
tree & landscaping damages caused  
by motor vehicle crashes for 39 years  
at no cost for property managers.



**Please call us anytime for more information or service.**

**= 24-HOUR EMERGENCY RESPONSE =**

**1-800-562-7474**

**Bartlett®**  
**Consolidated LLC**

— MAIN OFFICE —

Ten Aldrin Road • Plymouth Industrial Park • P.O. Box 810 • Plymouth, MA 02362

**[www.bartlettconsolidated.com](http://www.bartlettconsolidated.com)**

# U1S FORESTRY

**SAME GREAT QUALITY. NEW LOOK.**

**FEVA** has been serving the forestry industry for years with quality equipment. We are still that same great company, but now with the added strength of Utility One Source!

FOR MORE INFORMATION PLEASE VISIT:

[www.utility1source.com](http://www.utility1source.com)

OR SCAN HERE TO LEARN MORE



434.525.2929 • fevasales@u1source.com  
12260 E Lynchburg Salem Turnpike, Forest VA, 24551



**HORTICULTURAL  
TECHNOLOGIES  
INCORPORATED**

Consultant for  
Tree Protection  
and Preservation

**George Ackerson**  
Mass & ISA Certified Arborist  
Member, American Society  
of Consulting Arborists

106 B Pine Street  
P.O. Box 436  
Clinton, MA 01510-0436  
(978) 368-1900  
Fax: (978) 368-1905  
gackerson@horttecinc.com

## COUNT ON OESCO, INC. FOR SALES, PARTS & SERVICE We've Got it All for Tree Care Professionals

### Spray Guns

John Bean 785 Spray Gun



Green Garde Pistol Gun



Hypro Long Distance Gun



GunJet Brass AA43 Series Guns



GunJet Twist On/Off Guns



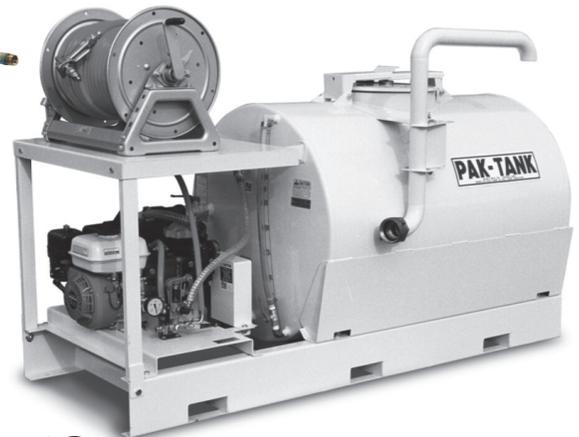
### Feeding Needle

Our own  
design!



### Skid Sprayers

Rears 300-gallon skid, Honda engine, medium  
pressure diaphragm pump



Equipment & tools from brands you know and trust, including:

**John  
BEAN**  
SPRAYERS

**Hypro**

**green  
garde**

**GunJet**

**JAMESON**

**Orchard  
LADDERS**

**Silky**

**REARS**

**CALL FOR A CATALOG 800-634-5557**

P.O. Box 540, 8 Ashfield Road / Rt. 116, Conway, MA 01341 [www.oescinc.com](http://www.oescinc.com)

**63**  
YEARS since 1954

supplying Growers, Gardeners

**OESCO, INC.**

and Groundskeeping Professionals. Since 1954.



Massachusetts Tree Wardens'  
and Foresters' Association  
P.O. Box 326  
South Hadley, MA 01075

## Calendar of Events

November 1	Application deadline: Mass. DCR Urban & Community Forestry Challenge Grant	Email: <a href="mailto:julie.coop@state.ma.us">julie.coop@state.ma.us</a>
November 2-4	TCI EXPO 2017 Columbus, OH	<a href="http://www.expo.tcia.org">www.expo.tcia.org</a>
November 9	Webcast: Performing an Urban Site Assessment of Street Tree Planting Sites,	<a href="http://www.urbanforestrytoday.org">www.urbanforestrytoday.org</a>
November 13-14	Society of Municipal Arborists Annual Conference, Tulsa, OK	<a href="http://www.urban-forestry.com">www.urban-forestry.com</a>
November 15-16	Partners in Community Forestry Conference Tulsa, OK	<a href="http://www.arborday.org/programs/pcf/">www.arborday.org/programs/pcf/</a>
November 29- December 1	New England Grows, Boston, MA	<a href="http://www.newenglandgrows.org">www.newenglandgrows.org</a>
December 14	Webcast: Pruning Practices to Manage Risk and Enhance Urban Wildlife	<a href="http://www.urbanforestrytoday.org">www.urbanforestrytoday.org</a>
December 31	Application Deadline: Tree City, Tree Campus, and Tree Line USA	Email: <a href="mailto:mollie.freilicher@state.ma.us">mollie.freilicher@state.ma.us</a>
<b>January 9-10 2018</b>	<b>MTWFA 105th Annual Conference Sturbridge, MA</b>	<a href="http://www.masstreewardens.org">www.masstreewardens.org</a>