



BARK

Organized for the Protection and Preservation of Trees • March 27, 1913 • Dr. George E. Stone, Founder

See you on the flip side: Eric Seaborn of DCR announces he's taking on a new challenge

A Message from Eric

Hello Folks - I am writing to let you know that I am leaving my position as the DCR Urban Forestry Coordinator. I have accepted a position with National Grid as part of their Vegetation Strategy team and I will be focusing on issues related to Emerald Ash Borer and other invasive pests. I am excited about this new opportunity to advance my career. I want to say to you all that it has been a distinct honor to work with each of you over the years. I have learned so much from you individually and from the wonderful collective that is the Massachusetts urban and community forestry community. I don't think it is a show of conceit to state that together we have accomplished a great many good works. I thank you all for your encouragement and support over the years and for your unwavering dedication to the forests and trees of our state. I consider myself blessed to have worked with you. My last day at DCR will be October 11th. The program will be left in the very capable hands of Mollie Freilicher who, I am certain, will take it to new heights.

Thanks Again All and I wish you nothing but the best. —Eric

*MTWFA extends sincere congratulations and good luck to Eric in his new position. We console ourselves somewhat that we'll "see you on the flip side," as Eric so nicely stated in an email title to us. Nevertheless, we echo what Mollie wrote in the DCR newsletter: **"There is no space large enough for all the thanks and appreciation. We will miss you!"***



Above: Eric Seaborn using Biltmore stick at the recent USFS Urban Forest Strike Team training in Springfield.



Left: The most recent "graduating class" of Urban Forest Strike Team Task Specialists completed their training on September 24-25 in Springfield, MA. More pictures on page 18.

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NEWSLETTER EDITOR

Karen Doherty, MTWFA Executive Director

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P.O. Box 326
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From the President



I hope everyone had a good summer. It seems like yesterday that we were gathering at UMass for the 100th anniversary celebration. Fall is here and for many of us, that means tree planting. The weather has been beautiful but marked by a lack of rain, and that means plenty of watering!

On September 12, I joined Rick Harper of UMass to present the first tree-planting workshop in the Professional Development Series (PDS). The workshop, *Establishing Trees in the Urban Environment*, was fully subscribed, and attendee evaluations indicated that it was a great learning experience. The outside demonstration was a revelation for many. You can view our indoor slide presentations, along with many outdoor pictures, at our website, www.masstreewardens.org.

Thank you especially to our members in Wellesley for hosting this first planting session at their new DPW training facility. The association plans to hold this successful program once or twice a year at various locations throughout the state. We are always looking for new workshop sites, especially outside the Boston metro region. Please contact us if you know of a possible location or if you have one we might consider.

Summer is usually a fairly quiet time for the association, and we took advantage of the hiatus to formulate and launch a sharp new website. Be sure to check it out! Karen Doherty worked closely with the website developer to create and organize the overall structure, menu headings, and webpages. Karen herself has written a great deal of new material for many of the pages.

One great feature of the new website is a forum section where members may post questions and exchange ideas. When you sign up, and before you can actually log in to the members-only forum, an email goes to Karen to confirm that you qualify as a current member. She will email you right away when you are in.

More great website features include the home page blog, where Karen can post regular updates on association and industry happenings; and the "Upcoming Events" on the right side of every page. We're working on regular postings on Facebook as well. If you haven't

already done so, please "like" us on Facebook at www.facebook.com/masstreewardens.

I would like to thank Melissa LeVangie for her many years of hard work and dedication on behalf of the association and especially on the previous website. Melissa created our very first website in 2002, and she continued to maintain it until just this past June.

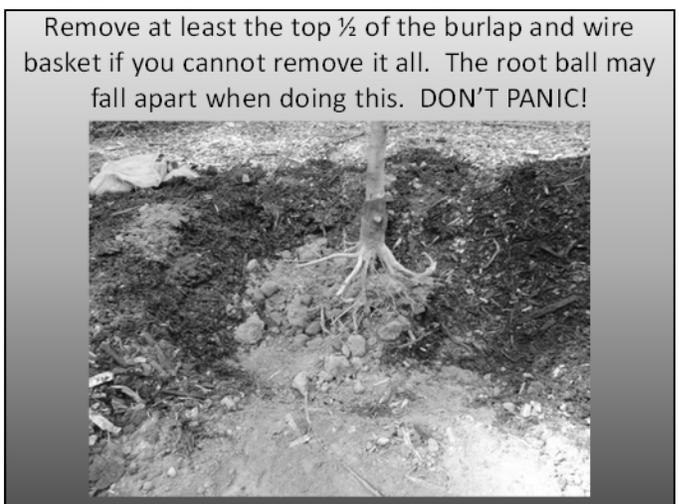
The Tree Warden Exchange process is currently underway and we hope to have some stories to share in the next issue of the *BARK*.

Finally, whether you have been a member for a long time or just joined, the association is always looking for new members to step up and help. If you are interested in getting involved on a committee or the executive board, please let us know. Committee information and members are listed (you guessed it) on the new website, at www.masstreewardens/members/get-involved.

I hope you all have a good fall and I look forward to seeing you at the annual conference on January 14-15, 2014. Save the dates – it will be here before we know it!

David Lefcourt, MCA
MTWFA President 2013-2014

Below: A slide from Dave Lefcourt's presentation at the September PDS workshop on urban tree planting and establishment. The entire presentation can be viewed via links at www.masstreewardens.org/professional-development-series/. See page 15 for pictures of the workshop.



Springfield Recognizes Sturbridge Tree Warden Chamberland

The City of Springfield recently honored Sturbridge Tree Warden Tom Chamberland for his assistance in the aftermath of the June 1, 2011 tornado.



L.to r., ReGreen Springfield President David Bloniarz, Springfield Parks & Recreation Director Patrick Sullivan, Sturbridge Tree Warden Tom Chamberland, Springfield City Forester Edward Casey, Springfield Assistant City Forester Alexander Sherman and Springfield Forestry Student Intern Timothy Ryan.

Mr. Chamberland is a volunteer trainer with the U.S. Forest Service Urban Forestry Strike Team and assisted with their response in August of 2011. The Urban Forestry Strike Team helped the City with tree damage assessment and aided in the development of a replanting plan in the tornado zone.

A plaque highlighting Mr. Chamberland's dedication and commitment was presented at Watershops Pond Bridge in Springfield, where he spent countless hours volunteering and assisting with the design of a new trail and bridge as part of the tornado recovery effort.

"I was quite surprised to hear about this recognition," Mr. Chamberland said. "Following the tornado, many communities reached out to each other for assistance and I was glad to be able to help the City of Springfield. The damage in scale was far worse than in Sturbridge, although just like Springfield our community continues to recover. Planting trees, building trails and bridges all help a community get back to some normalcy. This bridge project, to see it now finished, is a great thing and I'm humbled to be so honored."

In addition to serving as tree warden for the Town of Sturbridge, Mr. Chamberland is a member of the Sturbridge Trail Commission. He also serves as chairman of the Regional Grand Trunk Trail Committee, part of the statewide Titanic Rail Trail spanning Palmer to Franklin.

Worcester Telegram, Wednesday July 17, 2013
(Retrieved and adapted from www.telegram.com)

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ASSOCIATION NEWS AND NOTES



Welcome New Members

Jamie Magaldi, Town of Wilmington
Winslow Mulry, Town of Wenham
Christopher Okafor, Town of Maynard

Bob Childs Update

Currently on leave from his UMass teaching and extension duties, Bob continues his treatments and reports that the test numbers show signs of improvement. There is a wonderful picture of Bob and his family at Fenway Park on the Facebook page for New England Grows www.facebook.com/NewEnglandGrows.

Gordon King: On the Move Again

Dennis Ryan reports that Prof. King has moved from Springfield, MA to his granddaughter's house in Castleton, NY, where he has his own apartment and private phone. He loves to get calls.

Resilient beyond belief and smiling a lot, Gordon celebrated his 95th birthday in September. He enjoys visitors, but it is advisable to call first to make sure he is not out gallivanting around. He goes wherever the clan goes, and on Mondays and Fridays, he goes to therapy. His mind is still sharp and he can play cribbage with anyone.

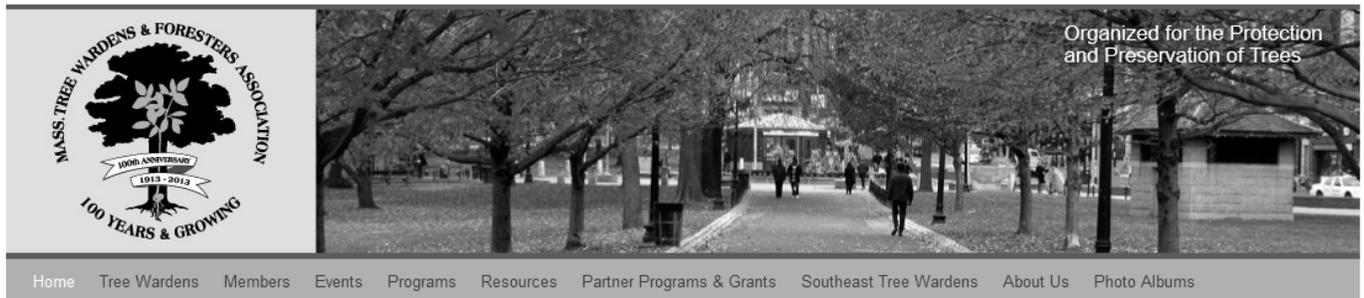
Professor Gordon King
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Castleton, NY 12033
518-739-5108

Arboriculture Careers Presentation

Thank you to Vice-President Bob LeBlanc for representing the MTWFA with a presentation at the 5th Massachusetts Green Careers Conference on October 4 in Marlborough. There is a link to the slide show at www.masstreewardens.org/job-postings.

THE MTWFA WEBSITE HAS A NEW LOOK! www.masstreewardens.org

Massachusetts Tree Wardens & Foresters Association



Urban Forest Strike Team adds new members to roster

Posted on October 2, 2013 by Karen Doherty



Twenty-two arborists and foresters recently completed the Urban Forest Strike Team training for task specialists in Springfield MA. The two-day workshop included both indoor presentations and outdoor field exercises. The latest task specialist training was a joint effort of the U.S. Forest Service, Massachusetts DCR Urban & Community Forestry Program, MTWFA, and City of Springfield Forestry. The training session was funded with federal money under a four-year cooperative agreement between the U.S. Forest Service Northeastern Area and MTWFA.

Upcoming Events

MTWFA Executive Board Meeting
October 9

Sustainable Land Use: Tools for
Communities
October 10 @ 8:30 am - 12:00
pm

Mass. DCR Tree Stewards Training

Motorcycles and Trees

H. Dennis Ryan, MCA, Arboriculture & Community Forestry, UMass

There are a lot of similarities between working in the tree care industry and riding a motorcycle. In both situations there is an element of risk that most people do not live with, but in both cases there are rewards, that again most people would not understand.

Just as TCI and Arborist-News always have an article on how to work safely, so do the five motorcycle magazines that I subscribe to. In the last fifty years there have been a lot of safety upgrades to motorcycles, anti-lock disk breaks, better tires, the same is true with tree care, safer chippers and bucket trucks, climbing lines that have a breaking strength of 8,000 pounds and are made of Dacron. So the question to ask is why are we having so many major accidents? There are two key points that the motorcycle safety authors always emphasize -ATGATT and situational awareness.

ATGATT- stands for All The Gear-All The Time; in arboriculture we call it PPE, Personal Protective Equipment. The very first course that the UMass Stockbridge Arboriculture & Community Forestry students take (<http://stockbridge.cns.umass.edu>) is Principles of Arboriculture. The course emphases are on arboricultural safety; the ANSI-Z-133 Arboricultural Safety Standard is an important component of the course. To introduce safety, I ask the students how many ride a motorcycle? In a class of 100 there are always a few. I then ask them to raise their hand and to keep it up until they cannot say yes to the following questions:

How many of you always wear a motorcycle helmet?

How many of you always wear a motorcycle jacket?

How many of you always wear a motorcycle boots?

How many of you always wear a motorcycle gloves?

By the time I get to gloves most of the hands are down! I then ask one more question, if you knew that you were going to have an accident and slide down the road, what gear would you have on?

If you knew that you were going to have an accident you would not get on the bike, the same is true at work in the tree care industry. If you knew that you were going to have an accident while working on the next tree, would you do it? Would you stop and re-evaluate the situation? What PPE would you put on? Lets just look at what is required for a ground-person using a chain saw and feeding a chipper. The Z-133 is very detailed on what PPE needs to be used **at all times**.

3.4 Personal Protective Equipment (PPE)

- 3.4.1 Personal protective equipment (PPE), as outlined in this section, shall be required when there is a reasonable probability of injury or illness that can be prevented by such protection.
- 3.4.4 Workers engaged in arboricultural operations shall wear head protection (helmets) that conforms to ANSI Z89.1. Class E helmets shall be worn when working in proximity to electrical conductors in accordance with ANSI Z89.13.4.5 Face protection shall comply with applicable federal regulations as well as with ANSI Z87.1.
- 3.4.6 Clothing and footwear appropriate to the known job hazards shall be approved by the employer and worn by the employee.
- 3.4.7 Respiratory protection shall comply with applicable federal regulations as well as with ANSI Z88.2. (Author's note, this would be required if chipping something very dusty, like LP or Sycamore when in leaf)
- 3.4.8 Hearing protection provided by the employer shall be worn when it is not practical to decrease or isolate noise levels that exceed acceptable standards. The employer shall provide employees protection against the

effects of noise exposure when sound levels exceed an 8-hour, time-weighted average (TWA) of 85 decibels (dB).

3.4.9 Eye protection shall comply with ANSI Z87.1 and shall be worn when engaged in arboricultural operations.

3.4.10 Cut-resistant leg protection shall be worn while operating a chain saw during ground operations.

In reviewing the Z-133, the ground-person needs to have on at all time, appropriate boots and clothing, a hard hat, safety glasses, hearing protection and chain saw leg protection, ATGATT. The question is, how well does the tree care industry follow the Z-133 requirement for PPE and ATGATT?

Ms. Alex Julius, working as a graduate student under the direction of Dr. Brian Kane, completed a thesis titled "Investigation of Compliance with the ANSI Z-133 Safety Standard in the New England Tree Care Industry" what she found was not encouraging.

Overall, companies were just 64% compliant with the Z-133; workers were most compliant with bucket truck safety (96%) (utility line clearance workers) and least compliant with chainsaw safety (49%). The two aspects of chainsaw safety that workers least complied with were drop-starting (0% compliant) and wearing chainsaw protective pants (29% compliant). In regards to chipper safety, workers were least compliant with body positioning around the chipper, including feeding the chipper from the side (16%) and standing curbside (29%).

Julius findings of low Z-133 PPE compliance was consistent with what other researchers found on the use of personal protective equipment. Federal OSHA has identified PPE non-compliance to be the fourth most frequently cited OSHA violation, accounting for three of the major injury categories, including eye injury, caught-ins, and bodily reaction and exertions.

Situational awareness is the second issue that the motorcycle experts stress is important in avoiding accidents, motorcycles are small and fast, people do not see them. Therefore the rider needs to be aware of what is happening all around him / her. The rider needs to see the oncoming car that might turn left and cross his / her path. Failing to see the car could result in a major accident injury to the rider.

The same is true with tree work; Dr. John Ball reports that "struck-bys" are a major cause of accidents in the tree care industry. Struck-bys can be a tree falling on a worker or a dropped limb that strikes a ground person working under a tree. But why is this such a common accident? It happens because someone is not paying attention to the situation. The tree worker up in the tree or in the bucket truck does not check the ground before making the cut and/ or the ground person does not stop and see why the chain saw is running. If a saw is running, something is being cut, a tree or a limb, where will it fall?

Paying attention to the job site, and what your fellow workers are doing, could save your life or the life of your co-workers. It is not enough to look; you need to see what is going on! A major distraction today is cell phones, I know of one case where a ground worker walked under a bucket truck to pick up a dropped phone and a 6-foot long limb was dropped on him, resulting in death. The bucket truck operator using the chain saw did no look to check the drop zone and the ground worker did not check to see what was being cut. In this case there were two major situational awareness errors that resulted in a death.

While many tree care industry companies talk about safety, way too many do not follow the rules. PPE can and does reduce injuries. Lost time injuries can and do affect your comp insurance rate. Worker compensation insurance works just like vehicle insurance. If you do not have any moving violations, you vehicle insurance goes down, have an accident or a speeding ticket and it goes up. As an example, one tree company in a neighboring state had a serious accident; their comp rate is now 2X the base state rate, the owner has reduced his crew from 8 to one. He cannot build up his crew again for three years; in a word he cannot afford the insurance, because of one accident!

Just like when riding a motorcycle, you need to know the situation and you need to wear all of your PPE because you do not know what the challenges of the day will be. Ride Safe - Climb Safe.

Reprinted from UMass Extension Hort Notes – July 15, 2013

Financing Urban Forestry

By Alexandra Kay, on August 9th, 2013

Retrieved from <http://efc.web.unc.edu/2013/08/09/financing-urban-forestry/>

Lexi Kay is the Marketing and Outreach Coordinator at the Environmental Finance Center at the University of North Carolina.



Before joining the staff at the Environmental Finance Center at UNC, I spent a lot of my time in graduate school exploring another passion: urban forestry. After all, what's not to love about trees, and shouldn't all cities have lots of them? I think so, and so do lots of other people out there. But coming to the EFC inspired me to think about urban forestry in a new light: here at the EFC, we love to ask "how do you pay for it"? So it seems natural that I should explore how cities in the US are paying for the maintenance and improvement of their urban forests and how we can ensure that urban forestry programs are financed in a sustainable way.

Last October, our Director Jeff Hughes wrote about using [urban forests as local government infrastructure](#), explaining that urban trees can be seen as an investment, just as improvements in water and sewer infrastructure are. A large body of research has shown that investments in urban forests lead to real benefits. That's because trees do lots of great things: they save energy; they improve air and water quality; and finally, they carry important social benefits. City trees enhance property values, lower energy bills, defer street maintenance costs, increase commercial activity, and reduce healthcare costs. For example,

according to a [2006 report by ICLEI](#), properties with trees are valued 5% to 15% higher than comparable properties without trees. However, despite these benefits, urban forestry is too often the low man on the totem pole when it comes to municipal spending.

On the national level, limited funding for urban forestry is provided through the US Forest Service. In 2007, \$30.1 million was financed to the 50 state [Urban and Community Forestry](#) programs. That federal program is currently being redesigned, though the 2014 Urban Community Forestry Advisory Council currently has an [open RFP](#) to dole out \$900,000 for new programs. Widespread decreased funding (not just at the federal level) and competition with other public services is likely the greatest challenge to urban forest advocates today.

This leaves room for states and municipalities to get creative in financing their urban forestry initiatives. Managing the urban forest is expensive in and of itself; according to a [2007 American Public Works Association report](#), almost 75% of spending on urban forests goes toward maintenance and management. That leaves a small portion for actually planting new trees, which is what most cities really need.

In the face of funding challenges, cities that are interested in increasing their budgets for urban forestry have several options. For example, the [City of San Francisco is considering a wide range of financing options](#) to fund its goal to plant 5,000 trees/year for the next 20 years at a cost of as much as \$38 million, including:

- Establishing a **Landscape and Lighting Assessment District (LLAD)**, a tool used widely throughout California to fund public improvements including street trees, street lights, and recreational facilities. The establishment of a LLAD would require approval from a majority of property owners within the LLAD.
- Creating a **Parcel Tax**, or a special tax levied to provide specific benefits. The parcel tax would create a dedicated funding stream for street trees. It must be approved by two-thirds of all voters, rather than just property owners.
- Issuing a **General Obligation Bond** that would be retired through the general tax revenues that could be used to fund the capital costs of tree planting

and establishment, but could not be used for maintenance. This also would need to be approved by two-thirds of all voters.

Certainly there is no one-size-fits-all solution for urban forestry programs. In addition to the above examples being considered by San Francisco, cities may opt to use other financing techniques, many of which are detailed in the aforementioned APWA report.

Financing Instruments:

- General Fund and Departmental Funds
- Federal, State, and Private Foundation Grants
- Taxes, Special Assessments, and Special Tax Districts
- Capital Improvement Budgets

Revenue Streams:

- Tree Work Permit, Development, and Inspection Fees
- Compensatory Payments and Environmental Fees
- Utility Bill Donations
- Memorial and Honor Trees
- Promotion of Federal Tax Incentives to Citizens
- Carbon Trading
- Sale of Municipal Wood Products
- Private Donations/Corporate Sponsorships

The EFC has been thinking a lot about the broader idea of green infrastructure, which includes urban forestry, other strategies to manage stormwater like green roofs, green streets, rain gardens, and more. We're interested to learn more about what financing strategies are being and can be applied to design the most sustainable green infrastructure programs possible.

Editor's Note: Thank you to the *Massachusetts DCR Citizen Forester*, October 2013 issue for bringing this article to our



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Snips and Clips

Retrieved from *The NASF Washington Weekly Report*

Published online by the National Association of State Foresters

Climate change is aging trees

Friday, September 20, 2013

A study, led by Duke biologists, found that many trees aren't shifting their ranges northward in response to warmer temperatures as quickly as was previously expected. Instead, the trees were speeding up their life cycles, with younger trees replacing older trees at a higher rate.

The study's findings suggest that most young trees have higher optimal temperature and precipitation levels than older trees, which mean they thrive more in warmer, wetter climates than older trees do. Overall, the Duke study and other research suggest the future looks uncertain for trees. Some, like the giant sequoia seem to be adapting well, but others face challenges.

'Forest bathing' increases wellbeing

Friday, September 20, 2013

In recent years, evidence has been mounting of the positive effects of contact with nature on our physical, emotional and mental wellbeing. Some of the most interesting evidence of the health benefits of nature is coming out of Japan, and revolves around the popular practice of 'Shinrin-yoku' or 'forest bathing'.

The practice was introduced in 1982 in a prescient move by the Forest Agency of Japan to encourage a healthy lifestyle and decrease stress levels. Forest bathing has now become a recognized relaxation and stress management activity in Japan—but studies conducted in the last few years shows forest bathing is also increasing a component of the immune system that fights cancer.

Service Forester's Handbook now available

Friday, October 4, 2013

The Service Forester's Handbook is a highly sought after book used by foresters and natural resource professionals working in the field. This convenient pocket guide <http://sref.info/projects/the-service-foresters-handbook> is a quick-reference for basic forest and land measurements, volume tables, silvicultural recommendations and more.

IN MEMORIAM

Stephen J. Golledge, 51, passed away on August 3, 2013 while vacationing in Thornton, New Hampshire. A Waltham resident for the past twenty years, he worked as the tree warden and arborist for the City of Waltham. Before that he owned and operated Golledge Tree Service for a number of years. Steve was a member of the Massachusetts Arborists Association.

Glenn L. Belloli, 65, of Popple Camp Road, Peter-sham, died unexpectedly at home on September 12, 2013. An employee of Massachusetts Electric (National Grid), Glenn started with the company as a meter reader and worked his way up to become a Division Arborist. He retired in 2003 after 33 years.

The Southern Regional Forester staff, working with experts in the field, have updated and organized all existing information, including modern, state of the art approached to forest management, to redesign the overall look and feel of the book.

Note from <http://sref.info/projects/the-service-foresters-handbook>: The Service Forester's Handbook is a highly sought after tool used by foresters and natural resource professionals working in the field. This convenient pocket guide is a quick-reference for basic forest and land measurements, volume tables, silvicultural recommendations, site index curves, forest measurement formulas and more. The handbook, last updated in 1986, has had a content and delivery update, thanks to the office of the Southern Regional Forester.

Emerald ash borer spotted in Colorado

Thursday, October 3, 2013

Agriculture officials say an invasive insect responsible for the death of tens of millions of ash trees in almost two dozen states has been detected for the first time in Colorado. The Colorado Department of Agriculture says the emerald ash borer, a green metallic beetle, was found by Boulder forestry staff Monday.

The beetle, originally from Asia, was first detected in North America in 2002 in southeastern Michigan and has since killed more than 50 million ash trees across the country. It has now been detected in 21 states—Colorado being the westernmost. 🐞



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Promoting Urban Forestry in Amherst

Editorial: In time, having it made in the shade

Thursday, June 27, 2013
(Published in print: Friday, June 28, 2013)

Source URL: <http://www.gazettenet.com/home/7197907-95/editorial-in-time-having-it-made-in-the-shade>

When Andy Cox of Sunderland gets back to classes this fall at the University of Massachusetts, he will bring a most unusual report on what he did during his summer vacation.

Cox is one of the Stockbridge School of Agriculture students helping Amherst remake an aspect of urban infrastructure that gets little attention and investment: its shade tree canopy. But Amherst is spending serious money to build its inventory of shade trees. Over the next three years, the town will allocate \$612,000 to plant 2,000 shade trees on roadside rights of way.

Amherst has worked hard to catch up on deferred road maintenance. Preserving its tree canopy is in keeping with that goal of maintaining infrastructure, with one notable difference: Trees may be the only infrastructure asset that improves with age.

In tough times, it can be hard to persuade citizens that tree-planting is a good investment. But members of Amherst Town Meeting thought enough of it last year to vote to back the town's ambitious planting project. We hope officials in other towns are taking notes, for Amherst is leading the way here. This month, members of the Amherst Public Shade Tree Committee received an award for its visionary projects at a Tree City USA ceremony in Brookline.

Aside from the beauty and natural cooling they provide, trees help reduce carbon dioxide in the atmosphere. As our planet warms, that benefit will become more and more valuable. Amherst expects to plant about 500 trees in the coming year through the program.

Under Tree Warden Alan Snow's guidance, the trees are placed to ensure their future growth. The team he

supervises on behalf of the town Department of Public Works can plant about 10 trees a day, using a truck that lets the crews move root balls and trunks and then give them a hearty watering from an onboard 200-gallon tank. You can see their labors popping up all over Amherst in the form of newly planted horse chestnuts, sweet gums, oaks, sugar and red maples, Japanese scholars and lilacs.

Separately, the shade tree committee led by Hope Crollius is fighting the good fight. It conducts a monthly tree-planting project in town neighborhoods. On its section of the town website, the committee lets people apply to receive a tree and encourages recipients to gather friends and family members to help plant it.

That's a nice way to welcome these spindly newcomers to the neighborhood. The trees must be planted on the public rights of way that border most streets. While living in a town of abundant, healthy trees has aesthetic advantages, an important gain for all is to have shade from newly planted trees fall on public property.

The shade tree committee is zeroing in on a neighborhood to feature with its fall Amherst Neighborhood Tree Stewards program, in which one area in town is selected to receive about 20 trees. Residents of the area agree to care for the trees for three years.

The panel is also preparing to bring a revised version of tree bylaws to Town Meeting this fall. It will update policies, spelling out concerns about invasive species and putting new teeth into who pays, and when, for replacement trees.

Snow's guidance of tree issues no doubt helped get the big project through Town Meeting. In January, he was named the state's tree warden of the year by the Massachusetts Tree Wardens & Foresters Association. Snow is known and respected for his steady, calm manner and what Crollius calls his "cellular self-restraint." You might say that as an authority on trees, Snow casts a long shadow, just like the plants he so loves.

Editor's Note: Thank you to the *Massachusetts DCR Citizen Forester*, July 2013 issue for bringing this article to our attention. 🌳

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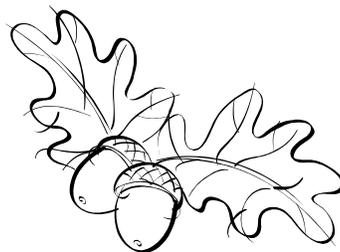
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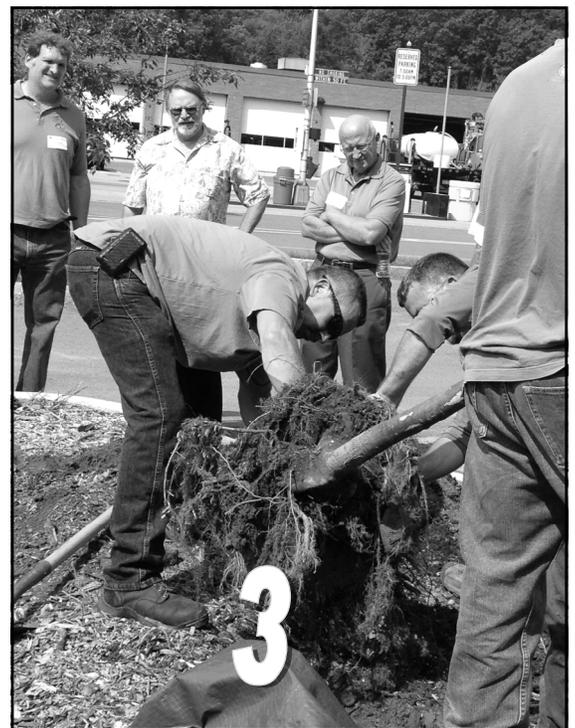
September 12, 2013 · Wellesley DPW



Left: Classroom practice using soil testing kits
Below: Rick Harper demonstrates methods and tools for planting site assessment



Photo 1, left: Dave Lefcourt starts scraping soil away from root ball in search of trunk flare. Exposing the trunk flare removes so much soil that the root ball falls apart.
Photo 2, below: Rick Harper measures depth from top of root ball to base of trunk flare.
Photo 3, below: Dave and others remove all soil in preparation for bare root planting.



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Above: UFST Team Leader and trainer Fred Borman of UNH Extension shows slide of typical storm damage.
Above left: John Haines, Rick Harper
Center left: Julie Coop, Ted Bubbins
Below left: Assessing tree canopy
Photos courtesy of Mollie Freilicher



Left: Tom Brady, Bob Berner

Below: Dennis Ryan, Alison Litchy, Jake Thompsom



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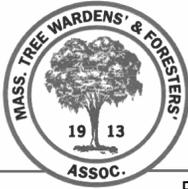
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