President’s Branch
By Tyler Stevenson

Coffee with…
We are excited to finally announce the start of our Coffee with… Mentoring Program. Research has shown that mentorship programs benefit both the mentor and the mentee’s career commitment, satisfaction, and advancement. This program will seek to pair our members and students in need of career guidance with experienced professionals in arboriculture and urban forestry.

How it Works
• Mentors are invited to post a short biography to the mentor section of our website highlighting their career path, interests, and areas of expertise.
• Mentees will browse the bios of available mentors and request a meeting with a mentor through the webpage.
• Mentoring pairs will arrange a short one-hour meeting over coffee or happy hour drinks depending on arrangements that are agreeable to both parties.
• Our intent is to keep the program simple and informal so each person can determine whether they’d like to leave it at just the one meeting or extend the mentorship to include future meetups, email/phone contact, internship, job shadowing, etc.

How to Sign Up as a Mentor
• Mentors may submit a short biography highlighting their career path and areas of expertise to info@ohiochapterisa.org. Biography’s will be posted to the mentor section on a rolling basis.

cont. on page 2
THE BUCKEYE ARBORIST

President’s Branch Cont. from page 1

• Mentors will receive an email when a meeting request has been submitted. Background information on the mentee will be included.
• Mentor will contact the mentee directly to arrange a mutually agreeable meeting time and location.
• Mentors should have:
  o Expertise in any of the skill and knowledge-based facets of our industry. Other areas of interest include leadership, organizational skills, networking, work/life balance, or the hiring process.
  o The willingness to share insights in the profession to help guide the mentee.
  o Availability to meet a mentee for one hour.

How to Sign Up as a Mentee

• Browse the biographies of available mentors on our website to find Chapter members you think could provide guidance in an area of your interest.
• Click on “Schedule a Meeting” and fill out a quick questionnaire.
• Once we receive your request, the mentor will contact you to set up a meeting.

This is a great opportunity not only for people that are just entering the industry, but anyone that is looking to expand their professional network or explore a different sector of our industry. We really appreciate the willingness of our mentors to lend their expertise to aspiring leaders in our profession. If you're interested in participating as a mentor or mentee, check out our new Mentor section located under Programs on the Chapter’s website.
Increase your Client Base – Takes Less than 5 Minutes

By Mark A. Webber BCMA, CPH, LTE, MArborA, OCMNT, TPAQ, TRAQ

The Ohio Chapter ISA wants to connect you to the consumers and buyers of arboricultural services. Your membership in the Ohio Chapter can increase your exposure to potential consumers of your services and improve your financial bottom line. However, before new clients can find you, YOU need to be signed up to be seen and found by potential Ohio tree care clients.

Potential Buyers Are Looking For YOU… But How Will They FIND You?

In 2018, the Ohio Chapter adopted and initiated a marketing plan that successfully completed a difficult task by getting legislation passed in the Ohio General Assembly that our Chapter had its very own specialty license plate. That license plate is now being sold and placed on vehicles all over Ohio. The “Trees4Ohio.org” license plates are mobile billboards and are now being seen along Ohio roadways 24 hours a day, 7 days a week. Consumers also hear and see the Trees4Ohio.org message daily on radio stations all across the state, as well as on social media outlets. Your Ohio Chapter ISA is telling the story that proper tree care matters and that the best choice is an ISA Certified Arborist.

Increase Your Exposure To Potential Clients By Being Part of the Trees4ohio.org Message

If you are an ISA Certified Arborist, you have achieved and have exceeded the International Organization for Standardization (ISO 17024). To have earned an ISA Certified Arborist credential, you have been trained and are knowledgeable in all aspects of arboriculture. Your Ohio Chapter ISA marketing committee is spreading the word about the value of Ohio ISA Certified Arborists, and consumers are looking to find you. But, how do consumers of tree services find and choose you and your business over others who claim to be the so-called tree experts or qualified that are not members of the Ohio Chapter?

The answer for you to have more clients is…

Be a Part of the Ohio Chapter’s Marketing Message on Trees4ohio.org

No matter if you are a tree removal contractor, a consultant, utility line-clearance arborist, municipal arborist, plant health care provider, expert witness, an arborist, or a consulting arborist, consumers are hungry and looking for qualified, knowledgeable ISA Certified Ohio tree experts like yourself. The Ohio Chapter ISA wants to help you grow your business and help you advance in your profession by connecting consumers to YOU.

Signing Up for “Find An Arborist” is a Free Member Benefit

But to grow your business and connect you with potential customers, you need to enroll at the Ohio Chapters website (https://www.ohiochapterisa.org) so that potential clients can compare and find you by the click on an electronic device. Take advantage of your yearly $45 Chapter membership benefit that costs you just a mere 12 cents per day for YOU to be put forth as an industry leader and a “True” Ohio Tree Expert by being part of Trees4Ohio.org.
Certification Corner

ISA Certified Arborist Preparation

ISA credentials are valued and trusted because they let consumers know that you possess a high degree of knowledge about caring for and maintaining trees. ISA credentials build expert knowledge and reflect the professional skills sought by leaders from the public and private sectors, including training, academia and government organizations.

The Chapter offers courses throughout the year designed to provide a comprehensive education in arboriculture as well as prepare individuals for the ISA Certified Arborist exam. Note – exam registration is separate from course registration. Exam applications can be obtained at www.isa-arbor.com/certification/becomeCertified.

If you are ready to take your career to the next level, consider one of these courses:

- January 20-23 in Akron (4-day comprehensive course, 9 am – 4:30 pm each day)
- February 25-26 in Dayton (fast-track review course held during the Ohio Tree Care Conference)

ISA exams will be offered on January 24 and February 26. Visit the events calendar at www.OhioChapterISA.org for complete details and secure on-line registration.

Now Your Certified, What’s Next

All ISA certifications are valid for three years. To maintain your certification, you must earn a minimum number of ISA Continuing Education Units (CEUs) by the end of the three-year period and pay a recertification fee. Or, you can retake and pass the exam. The number of CEUs required depends upon the credential you hold:

- ISA Certified Arborist: 30 CEUs
- ISA Certified Arborist Utility Specialist: 6 Utility CEUs + 30 Arborist CEUs = 36 total
- ISA Certified Arborist Municipal Specialist: 12 Municipal CEUs + 30 Arborist CEUs = 42 total
- ISA Certified Tree Worker Climber Specialist*: 15 CEUs
- ISA Certified Tree Worker Aerial Lift Specialist*: 15 CEUs
- ISA Board Certified Master Arborist: 60 CEUs; 20 each in Science, Practice, and Management

*To recertify your ISA Certified Tree Worker Climber Specialist or ISA Certified Tree Worker Aerial Lift Specialist credential, you must provide proof of valid hands-on training in CPR, First Aid, and completion of a physical (practice) Aerial Rescue training within the past year.

Recertification Fees

Your renewal date is on June 30 or December 31, depending on the date of your original certification exam. Notification of your renewal date is mailed by the ISA one month in advance. Please make sure your contact information with the Ohio Chapter and ISA are current to ensure delivery of any mailed notices.

Retaking the Exam

If you do not meet minimum CEU requirements and/or pay the renewal fee, you must retake the certification exam and pay appropriate fees to recertify. Be sure to include your previously assigned ISA Certification number on the application to ensure the number is reassigned to you.

Only bona fide ISA credential holders are eligible to advertise ISA credentials. Until you have successfully passed the exam, you should refrain from advertising yourself as ISA Certified so as to not mislead the public and violate federal trademark law. Refer to ISA Ethics and Integrity for more information.

Need CEUs?

CEUs can be earned through a variety of continuing education and training opportunities. There are many other arboriculture...
Our advanced technology for tree treatment allows you to

INCREASE THE NUMBER OF TREES YOU TREAT IN A DAY!

◆ No drilling damage
◆ No mixing at job sites
◆ No guarding or return trips
◆ No waiting for uptake
◆ Treats most trees in five minutes or less!
◆ Successful and most profitable add-on service

Multiple injection tips designed for all types of trees, conifers and palms

Insecticides • Fungicides • PGRs • Antibiotics • MicroNutrients
resources through which CEUs can be earned. ISA encourages active participation in Chapters, Professional Affiliations, and Associated Organizations. Visit the Ohio Chapter’s website often for CEU opportunities around the state. On-line learning is also available through the ISA’s website. And don’t forget CEUs at Home offered in every issue of The Buckeye Arborist.

Tracking Your CEUs

ISA tracks how many CEUs you have and how many you need for renewal. Don’t wait until renewal time to check out how many credits you have and/or need.

Tree Risk Assessment Qualification (TRAQ)

The TRAQ credential is valid for five (5) years from the date it is earned. A credential holder is required to take the TRAQ Renewal Course and pass the exam every five (5) years in order to renew the credential. No CEUs are needed to maintain this qualification. However, ISA certification holders will be offered 14.5 CEUs for attending the full course and 5 CEUs for attending the Renewal Course.

The Chapter will offer one (1) Qualification Course and one (1) Renewal Course in 2020.

• March 3 Renewal Course - Current TRAQ holders can complete this abbreviated renewal course as early as 18 months prior to the expiration of their qualification. Upon passing the renewal exam, the expiration date will be adjusted to five years from the original expiration date. This means that if you pass the renewal exam four years into your credential, you will have six years until it expires. IF YOUR QUALIFICATION EXPIRES AFTER MARCH 3, 2020, this course is for you.

• March 4-6 Qualification Course - ISA’s Tree Risk Assessment Qualification (TRAQ) is an instructor-led credential that demonstrates professional knowledge in tree risk assessment through participation in a training course and passing its accompanying exam.

Register today for the course that’s right for you!
Arborist Exchange Program

Ever feel like you can’t see the urban forest for the trees? Get the wide angle view through the eyes of your colleagues!

The Arborist Exchange Program offers municipal foresters, utility arborists, and tree non-profit managers around the world the opportunity to engage with colleagues and experience urban forestry challenges and successes in varying political and cultural settings.

Participants will spend one week together in each other’s community learning about their jobs and how challenges are met under differing circumstances and with differing goals. Actual dates will be chosen by the participants. Exchanges include social time as well as working time. Partners are encouraged to host each other, but one-way exchanges are also acceptable. Cross-organizational exchanges are encouraged. Travel expenses are reimbursable.

Since 2003, arborists from the United States, Canada, Slovenia, Ireland, Brazil, South Africa, Italy, Germany, New Zealand and the United Kingdom have participated in the program. Here’s what some of them have to say:

“You get to see the same things, the same problems, but from a different perspective, through the eyes of someone doing the same job as you. For me it gave me a sense of detachment—a sort of arborist out-of-body experience, from which I could observe and learn.” — Andy McCutcheon, 2006

“The exchange far surpassed my expectations. Not only did I have glorious weather—more representative of a southern California spring than winter—but the friendships I developed are of immeasurable value to me. For me, the exchange was more valuable than any conference I’ve attended in my 16 years of practicing urban forestry.” — John McNeil, 2005

“With everyone I talked to, rode along with, or learned from, I noticed one commonality: passion. Passion to inspire the young, to maximize tree survival, to increase canopy—but perhaps most importantly, true passion for the people and trees of Washington DC.” — Matthew Stephens, 2015

To learn more about the Arborist Exchange Program and to apply, visit:

www.urban-forestry.com

Applications are due by December 2, 2019.

You will have the opportunity to:

- Dig deep into urban forestry as seen by a municipal arborist, utility arborist, or non-profit professional.
- Understand tree management from another seat, and test your assumptions.
- Share successful collaborative projects between municipal and utility arborists.
- Experience peer-to-peer learning not offered anywhere else.
- Learn new techniques and solutions to shared challenges.
- Expand your professional network.
- Share your successes and promote your program.

Toours

C2

Arbor Day Foundation

The Arborist Exchange Program is a partnership between the Society of Municipal Arborists, the Utility Arborist Association, the Alliance for Community Trees, Cities4Forests, and the Arbor Day Foundation.
TREE CARE INDUSTRY ASSOCIATION

YOUR ROAD MAP TO A SUCCESSFUL TREE CARE BUSINESS

BUSINESS ACCREDITATION
ONLINE RESOURCES
TCI EXPO & OTHER EVENTS

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THE ROUTE TO BUSINESS GROWTH BEGINS HERE!
The Buckeye Arborist November/December 2019

TREEdesTrees Wrap Up
By Kevin Jones

Greeting Ohio Chapter ISA! For this issue we have a recap of this year’s annual Tour des Trees to benefit the TREE Fund! This year’s tour was a 5-day cycling event that covered more than 450 miles through beautiful Tennessee and Kentucky. Team Ohio was comprised of 5 veteran riders including Lisa Meranti of Cleveland, Laurie Skul of Canton, Dave Staats of Columbus, Jeff McMullen of Middletown, and yours truly of Hudson. We thought that the best way to recap the tour would be to give you a day by day account of the tour as experienced by our riders.

Day 1 – Nashville to Bowling Green, KY – Kevin Jones

2019 is my 10th Tour des Trees, and as a veteran rider, I have developed a weeklong strategy to help maximize my enjoyment during the multiple days spent on my bike. The first principle of that strategy is to stay calm, resist the temptation to ride all out with the fresh legs, and take it VERY easy on our first day of riding. The rest of the week is much less enjoyable if you are already super sore or achy already on day 2.

The historical record high temperature for Nashville on September 16 was 98°F. This year it was observed at 97, and we saw the dial hit 100. The heat we had this year completely negated my clever strategy. There is no “taking it easy” while riding 97 miles in that heat. We started out of Nashville at 8 am and had about 60 minutes of pleasant riding temperatures before the sun began cooking the Tennessee pavement. My riding group did a great job of looking out for each other in the heat, which can be mentally deceiving. As many of you know, by the time you realize you have heat exhaustion, it’s already too late.

The Tour support team was on high alert to make sure all riders made the journey safely. The tree care industry takes safety extremely seriously, and the Tour des Trees is no exception. The support team created extra roadside stops for the riders to make sure that we had plenty of water and the encouragement of our friends at Vermeer), then off to bed to get ready for day three! Hmmm... cooler temps, I hope!

We made it, safe and sound to Owensboro Kentucky! Unfortunately, we were too late to make it to the Saluting Branches Program. Saluting Branches is an opportunity for tree care professionals to donate their time to help maintain veteran cemeteries. It is an annual event and it happened to fall in the middle of this year’s Tour des Trees. Some of the Tour riders took an opportunity go to the local VFW Hall in Owensboro to educate its members about the program. While the Tour is certainly a bike ride, it is really SO much more. We welcome opportunities to reach out to the communities who host us and spread the word about the TREE Fund and our tree love wherever we go!
Day 3 – Owensboro to Pennyrile State Forest - 95 miles by Laurie Skul

Nope…. temperatures are NOT cooler! OK, we are accustomed to this by now, right? Well… sort of! We definitely learned to enjoy the more temperate morning temps and I was REALLY looking forward to rolling into Pennyrile State Forest! Our first stop was only a couple of miles out of Owensboro where we stopped to view the largest known Sassafras tree in the world. WOW! What an AMAZING tree. We took an opportunity to give the tree our unique Tour des Tree blessing and we headed out to try to beat the heat.

Throughout the Tour, our rest stops were usually about 20 miles apart. Given the heat, many of us needed water prior to the next stop, so our awesome support crew got into the habit of setting up “pop-up” water stops between our scheduled stops. I began to look forward to the unexpected oasis of a support truck, parked at some random spot on the road, full of smiling faces and lots and lots of cold water and ice! They seemed to ALWAYS find the perfect spot! Somewhere between lunch and our next stop, my group of four riders hit some pretty big hills. We struggled to the top and noticed that we were all low on water. We started looking for that support van. We know they had to be out there…

“Where ARE they?”
“Did they forget about us?”
“Should we call them?” Hmmmm…
“Wait, what is that up the road? Is it? Yes, it is?”

This was the best most welcome water stop EVER! Full of smiles and that cold, cold water! These support people are AMAZING! And oh… that cold, cold water…SO GOOD! Yep – we are going to make it now!

Now the ride into Pennyrile State Forest! Yep, as beautiful as I had hoped!

Day 4 – Pennyrile State Forest to Clarksville, TN by Lisa Meranti

We woke up to a mist covered lake at Pennyrile State Park Lodge. The cool air was something to savor as we had another warm day and 90 hilly miles ahead of us to Clarksville. I got to soak it all in with a short solo hike and yoga before a hearty breakfast and a steep climb out of the lodge. At the top of the hill, we were greeted by more hills and for me the thrill of riding in a 30-person paceline. Lucky, for this tour newbie, I got some good coaching and practice earlier in the week with a smaller group. The real thrill of riding in this line was riding with many of the team Ohio riders for miles. And the main highlight of the tour was not just riding next to, but ahead of, Ohio rider Laurie Skul. That’s right this newbie got to set the pace for the fast and furious Laurie—my endurance role model. As we rode on and the group thinned out, I got more chances to experience just what a special community and tree family is on the tour. Each stop provided the Tour des Trees special treatment from blessing a mature tree with the local Lions to having lunch with the church ladies in Bumpus Mills to an ice cream stop with the ACRt team to a spacious bathroom at the Duttonsville Community Center. For me this day will be forever engraved in me for the people I got to ride with and be supported by. My tree heroes for the day were the two ‘big dawg’ riders (their term, not mine) that I biked 71 miles with as they shielding me from headwinds and passing traffic, the amazing support volunteer Karen that shuttled us ahead between the last two rest stops of the day, and the phenomenal masseuse Denise that treated me to a relaxing post-ride massage. To round out the night, we all had dinner at various places throughout the charming downtown of Clarksville.

Tree Fund Cont. from page 9
Day 5 – Clarksville to Nashville by Lisa Meranti

Tour des Trees is so much more than fundraising and biking, it is tree friend-raising. To gain the full experience of the Tour, I spent the day with the tree-mendous Professor Elwood Pricklethorn (P.E.P.). We started off at Moore Magnet STEM School where the third and fourth graders soaked up all the tree knowledge and fun at the P.E.P. Rally. By the end of the Rally, these kids knew the value of trees and how to plant the right tree in the right place. The second P.E.P Rally was a treefecta program at Hull-Jackson Montessori School. I started the program off priming the kids for the Professor with breathing like a tree, then they participated in the Professor’s award-winning P.E.P Rally, followed by field tree games with a rider parade, and a tree dedication. What a great way to finish up the tour!!!

With that, the 2019 Tour des Trees is a wrap! Team Ohio would like to thank the members of our Chapter for the amazing support that you provided to us. Our fundraising efforts yielded $27,765.49 that will go directly to research projects and scholarships administered by the TREE Fund. We were the second-place fundraising team on the tour, just behind the Southern Chapter who hosted this year’s event. This is a great accomplishment by our riders and couldn’t be done without all your generous support. Our chapter is second to none over the last few years in supporting the TREE Fund and we are very grateful to be able to represent Ohio on the Tour. THANK YOU!

Photo credit: Coleman Camp
Risk management is an important component of safety both in the public and private world. Risk is defined by risk managers as deviation from the expected result. “The presence of risk is not intrinsically harmful: risk is implying a measurement of potential for deviation from an expected outcome, and the consequences of this deviation may be either good (resulting in opportunity) or bad (resulting in loss).” (Reiss 2004) We often consider risk as it relates to the potential cause of harmful effects to people and or property. As arborists, we relate this to trees.

We will discuss four steps in the risk management process. These steps are:

- Defining Acceptable Risk
- Assessment of the Risk
- Risk Control
- Risk Communication

In order to create a risk management plan, one must first define what the acceptable threshold for risk is. This is the level of risk that you, your city, or business, is willing to undertake. This can vary greatly amongst institutions and individuals. In the public sector, the threshold for risk is generally much lower than other areas as the concern for public safety is high and the budget amount for insurance is also a limiting factor. Higher risk requires higher insurance costs. Private companies often times take on higher levels of risk but will back it up with the proper safety requirements to meet or exceed industry standards. There is a benefit and a cost to both directions one can go on the threshold scale. Either direction you go, one should consider the safety of the public as well as the safety of the people doing the work. Often taking a higher risk threshold can put your employees at a higher risk to their own safety and welfare. A lower risk threshold may limit the ability you have to deal with high risk situations.

The assessment of risk should be completed by qualified and experienced personnel. As it relates to trees themselves, TRAQ (ISA Tree Risk Assessment Qualification) is an all too important asset experienced personnel. As it relates to trees themselves, TRAQ (ISA Tree Risk Assessment Qualification) is an all too important asset.

The final step in risk management I am going to discuss is the communication of the risk. It is the duty of the risk assessor to notify and report on risk found in a given subject area. Tree owners or crew leaders need to be made aware of any risks that may meet or exceed the acceptable threshold that is established. Other “lesser” risks should be reviewed with the concerned parties as well. The assessor should provide as complete of a picture as possible about the risk. This should include all certainties and uncertainties, costs and benefits, and other relevant management issues. Your goal with this communication should not be to come to an agreement on the issue, but to adequately inform and educate the concerning party of the potential risk at hand. Remember… safety first!

The new specialized interest plate is available under Organizational Plates at https://www.bmv.ohio.gov/vr-sp-organization.aspx.

Show your support by purchasing new plates and don’t forget to update your profile so that consumers can find you!

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**Preserve Ohio’s Greatest Green Resource – Trees!**

By purchasing a Trees4Ohio specialized interest license plate for your vehicle, you help underwrite educational programs and services that directly benefit the trees of Ohio.

The plate provides one of the best member benefits; it directs readers to Trees4Ohio.org. This site is designed for consumer’s looking for everything from proper pruning and mulching to how to find and hire an Ohio tree care professional. Chapter members must login to OhioChapterISA.org and update their profile. You must check “available for hire” and each of the services you provide. Your email address associated with your membership record is your user name. If you forgot your password or have not logged in before, use the “forgot my password” and an email will be sent to you with instructions. If you have questions or problems logging in, please contact the Chapter office.

By Brian Goodall

The Buckeye Arborist November/December 2019
Pioneer Profile – Where are they Now?

Larry Holkenborg was born in Cleveland (1934) but lived in Olmstead Falls until the age of 10. His family then moved to a farm in New London. Nancy was born in Elyria (1936) and lived in Elyria until she moved to Oberlin where she lived until the two were married.

Larry does not really have a favorite tree. He learned early on and promoted that you should plant the proper tree in the proper place. He enjoyed looking at trees with fellow arborists and discussing how they look and thrive where planted. However, Larry would like to have a Sugar Maple shade over their grave sites if that is possible.

Larry and Nancy were owners and operators of Larry Holkenborg Nursery specializing in the planting and care of trees, shrubs and lawns. Larry actually enjoyed and did more tree work than anything else.

He hates to admit it, but it now seems like Larry and Nancy spend half of their time going to doctors and trying to stay healthy by exercising and eating properly. They are active in many ways:

- OSU Erie County Alumni
- Serving our Seniors (an organization of seniors serving seniors)
- Grady White Boat Club
- Winnebago RV Clubs
- Heritage Society of Erie County
- Several other Antique Clubs

They also still enjoy looking at trees and miss being involved in the tree care industry.

Larry grew up on a 220-acre farm in New London and went to work for Salo Tree Service after high school in September of 1953. He wanted to farm but needed to pay for the farm equipment he bought. Two years later, Larry enrolled at OSU to study landscape horticulture under L.C. Chadwick. He decided to go to college to learn more about trees and landscape work after meeting Nancy, whom he has now been married to for 61 years. Nancy went to Oberlin School of Commerce and worked at both Oberlin College and OSU until Larry graduated from OSU.

Receiving the ISA Award of Achievement in 1998 was a most rewarding experience for Larry. Starting and chairing the foreman training meetings for approximately 18 years was also fulfilling. Larry recalls more than 100 tree men showing up every year for the training. The training low keyed the word SAFETY but showed, talked, and promoted it without hardly mentioning the word.

The most inspiring people for Larry were Dr. L.C Chadwick, Bob & Pat Felix, Bill Lanphear, John Duling, Van Wormer, Ken Reisch, and Elton Smith, to name just a few.

Larry’s advice to readers, “Tree care is a great way to make a living. You must work smart, physically and mentally, to live a long, healthy, and rewarding life. Working smart physically will strengthen your body for older age and also working smart mentally keeps you alert as you age. Save and invest wisely. Usually working by the hour or for a wage alone doesn’t make for a good retirement. In other words, invest wisely for the future and GET INVOLVED!”

“My time is all without pay now. I just play with my toys. Motor Home - Boat - Old Tractors - Tree Sprayer (John Bean Royal 35 built prior to 1941) - Stumper (Vermeer model 6) - Chainsaws (1954 Diston DA211 and 1953 Pioneer RA) and on and on.”

Larry said he would not be surprised to see trees being pruned with drones in the future and/or from the ground remotely. He believes that there is a lot of need for improvement in the planting and proper care of trees in relationship to power lines.

In closing, Larry added, “Where would Larry and Nancy be without Larry and Nancy?”

Local Roots, Global Reach
Ohio Tree Care Conference
February 25 - 27, 2020
Dayton, OH
### Ohio Tree Care Conference Schedule

#### Ohio Tree Care Conference Program

**Monday, February 24, 2020**

- **1:00 pm - 6:00 pm**: Optional Altec Field Day (Off Site)
  - ISA A-5, U-5, M-5, Bp-5, TWc-5, TWa-5

**Tuesday, February 25, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am - 12:00 pm</td>
<td>Certified Arborist Review / Arboriculture Plus Room 305</td>
</tr>
<tr>
<td>8:30 am - 9:45 am</td>
<td>Tree Biology &amp; Anatomy Jim Chatfield ISA A-1.25, U-1.25, M-1.25, TWc-1.25, TWa-1.25</td>
</tr>
<tr>
<td>9:45 am - 10:20 am</td>
<td>Tree Diagnostic &amp; Plant Disorder Jim Chatfield ISA A-0.5, M-0.5, Bp-0.5 TWc-0.5, TWa-0.5</td>
</tr>
<tr>
<td>10:20 am - 10:50 am</td>
<td>Tree Soil &amp; Water Management Jim Chatfield ISA A-0.5, M-0.5, Bp-0.5</td>
</tr>
<tr>
<td>11:00 am - 11:45 am</td>
<td>Tree Identification Dawn Sherman ISA A-0.75, U-0.75, M-0.75, Bp-0.75, TWc-0.75, TWa-0.75</td>
</tr>
<tr>
<td>11:45 am - 12:00 pm</td>
<td>Tree Selection – Part 1 Dawn Sherman ISA A-0.25, M-0.25, Bp-0.25</td>
</tr>
<tr>
<td>12:00 pm - 12:30 pm</td>
<td>Lunch – Room 306</td>
</tr>
<tr>
<td>12:30 pm - 12:50 pm</td>
<td>Tree Selection – Part 2 Dawn Sherman ISA A-0.25, M-0.25, Bp-0.25</td>
</tr>
<tr>
<td>12:50 pm - 1:30 pm</td>
<td>Plant Health Care Dawn Sherman ISA A-0.75, M-0.75, Bp-0.75</td>
</tr>
<tr>
<td>1:30 pm - 2:30 pm</td>
<td>Tree Pruning, Tree Installation &amp; Establishment Andrew Petraca ISA A-1, U-1, M-1, Bp-1, TWc-1, TWa-1</td>
</tr>
<tr>
<td>2:30 pm - 3:00 pm</td>
<td>Trees &amp; Construction Andrew Petraca ISA A-0.5, M-0.5, Bm-0.5</td>
</tr>
<tr>
<td>3:00 pm - 3:45 pm</td>
<td>Tree Nutrition &amp; Fertilization Brian Kralovic ISA A-0.75, M-0.75, Bp-0.75</td>
</tr>
<tr>
<td>3:45 pm - 4:30 pm</td>
<td>Tree Risk Assessment &amp; Management Brian Kralovic ISA A-0.75, U-0.75, M-0.75, Bm-0.75, TWc-0.75, TWa-0.75</td>
</tr>
<tr>
<td>4:30 pm - 5:15 pm</td>
<td>Urban Forestry Brian Kralovic ISA A-0.75, M-0.75, Bm-0.75</td>
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<tr>
<td>5:00 pm - 7:00 pm</td>
<td>Grand Opening of Exhibit Hall – Hall 102</td>
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**Wednesday, February 26, 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am - 7:00 pm</td>
<td>Certified Arborist Review / Arboriculture Plus Continued Roy Montan ISA A-1, U-1, M-1, Bp-1, TWc-1, TWa-1</td>
</tr>
<tr>
<td>8:30 am - 9:15 am</td>
<td>Tree Support &amp; Lighting Protection Andrew Petraca ISA A-0.75, M-0.75, Bp-0.75, TWc-0.75, TWa-0.75</td>
</tr>
<tr>
<td>9:30 am - 10:30 am</td>
<td>Tree Climbing &amp; Tree Work</td>
</tr>
<tr>
<td>9:00 am - 10:30 am</td>
<td>Keynote Presentation – Room 106 The Future of Urban Forestry David Nowak ISA A-1, M-1, Bm-1</td>
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<tr>
<td>10:30 am - 12:00 pm</td>
<td>Tree Worker Safety &amp; First Aide Roy Montan ISA A-1.5, U-1.5, M-1.5, Bm-1.5, TWc-1.5, TWa-1.5</td>
</tr>
</tbody>
</table>

**Trade Show Open (Breakfast Pastries) – Hall 102**

- **Certificate Arborist Review / Arboriculture Plus Continued**
  - Roy Montan ISA A-1, U-1, M-1, Bp-1, TWc-1, TWa-1
- **Tree Support & Lighting Protection**
  - Andrew Petraca ISA A-0.75, M-0.75, Bp-0.75, TWc-0.75, TWa-0.75
- **Tree Climbing & Tree Work**
- **Keynote Presentation – Room 106**
  - The Future of Urban Forestry David Nowak ISA A-1, M-1, Bm-1

**Break – Hall 102**

- **Commercial Room 305-306**
- **Municipal Room 307-309**
- **Utility Room 302-204**
- **Climbers’ Corner Exhibit Hall 102**

**Compatibility… Good Functional Interaction Part 1**

- **Wildlife Awareness Geoff Kempter ISA A-1, U-1, M-1, Bm-1, TWc-1, TWa-1**
- **The Use (and misuse) of Tracked Lifts in the Tree Industry Mike Hrycak ISA A-1, U-1, M-1, Bm-1, TWc-1, TWa-1**
- **A New Method to Compensation for Tree Loss David Nowak ISA A-1, M-1, Bm-1**

**Monday, February 24, 2020**

- **Diagnostic Challenges:**
  - OHIO TREE CARE CONFERENCE PROGRAM
  - Tree Climbing & Tree Work
  - Tree Worker Safety & First Aid
  - Tree Diagnostic & Plant Disorder
  - Certified Arborist Review
  - Tree Soil & Water Management
  - Certified Arborist Review / Arboriculture Plus

**Tuesday, February 25, 2020**

- **Certified Arborist Review / Arboriculture Plus:**
  - Room 305
- **Tree Biology & Anatomy:**
  - Jim Chatfield
  - ISA A-1.25, U-1.25, M-1.25, TWc-1.25, TWa-1.25
- **Tree Diagnostic & Plant Disorder:**
  - Jim Chatfield
  - ISA A-0.5, M-0.5, Bp-0.5
  - TWc-0.5, TWa-0.5
- **Tree Soil & Water Management:**
  - Jim Chatfield
  - ISA A-0.5, M-0.5, Bp-0.5
- **Tree Identification:**
  - Dawn Sherman
  - ISA A-0.75, U-0.75, M-0.75, Bp-0.75
  - TWc-0.75, TWa-0.75
- **Tree Selection – Part 1:**
  - Dawn Sherman
  - ISA A-0.25, M-0.25, Bp-0.25
- **Tree Selection – Part 2:**
  - Dawn Sherman
  - ISA A-0.25, M-0.25, Bp-0.25
- **Plant Health Care:**
  - Dawn Sherman
  - ISA A-0.75, M-0.75, Bp-0.75
- **Tree Pruning, Tree Installation & Establishment:**
  - Andrew Petraca
  - ISA A-1, U-1, M-1, Bp-1, TWc-1, TWa-1
- **Trees & Construction:**
  - Andrew Petraca
  - ISA A-0.5, M-0.5, Bm-0.5
- **Tree Nutrition & Fertilization:**
  - Brian Kralovic
  - ISA A-0.75, M-0.75, Bp-0.75
- **Tree Risk Assessment & Management:**
  - Brian Kralovic
  - ISA A-0.75, U-0.75, M-0.75, Bm-0.75
  - TWc-0.75, TWa-0.75
- **Urban Forestry:**
  - Brian Kralovic
  - ISA A-0.75, M-0.75, Bm-0.75
- **Grand Opening of Exhibit Hall – Hall 102**

**Wednesday, February 26, 2020**

- **Certified Arborist Review / Arboriculture Plus Continued:**
  - Roy Montan
  - ISA A-1, U-1, M-1, Bp-1, TWc-1, TWa-1
- **Tree Support & Lighting Protection:**
  - Andrew Petraca
  - ISA A-0.75, M-0.75, Bp-0.75, TWc-0.75, TWa-0.75
- **Tree Climbing & Tree Work**
- **Keynote Presentation – Room 106**
  - The Future of Urban Forestry
  - David Nowak
  - ISA A-1, M-1, Bm-1
- **The Use (and misuse) of Tracked Lifts in the Tree Industry**
  - Mike Hrycak
  - ISA A-1, U-1, M-1, Bm-1, TWc-1, TWa-1
The Buckeye Arborist November/December 2019

Thursday – February 27, 2020

8:00 am - 9:30 am  
Annual Breakfast Meeting & Speaker - Room 103

9:00 am - 1:00 pm  
Trade Show Open - Hall 102

11:30 am - 1:30 pm  
Lunch with Exhibitors – Hall 102

12:30 pm - 4:00 pm  
ISA Certification Exams - Room 310

1:30 pm - 2:30 pm  
Diagnostic Challenges: A Series of Unfortunate Events  
Joe Boggs  
ISA A-1, M-1, Bp-1

On the Front Lines: Dealing with Difficult People  
J immes Lassiter III  
ISA A-1, U-1, M-1, Bm-1

Right-of-Way Disease Management  
Jim Chatfield  
ISA A-1, U-1, M-1, Bp-1, TWc-1, TWA-1

Compatibility ... Good Functional Interaction Part 2  
Timothy Bushnell  
Philip Kelley  
ISA A-1, U-1, M-1, Bp-1, TWc-1, TWA-1

2:30 pm - 3:30 pm  
Incidental vs Utility Line Clearance: Updates in the ANSI Z133 Part I  
Craig Murk  
ISA A-1, U-1, M-1, Bm-1, TWc-1, TWA-1

Fundamentals of Gear Inspection Part 1  
Timothy Bushnell  
Philip Kelley  
ISA A-1, U-1, M-1, Bp-1, TWc-1, TWA-1

3:30 pm - 4:00 pm  
Break - Hall 102

4:00 pm - 5:00 pm  
User-Friendly Tools for Predicting Pest Phenology Based on Degree-Days and Biological Calendars  
Dan Herms  
ISA A-1, M-1, Bp-1

Tree Risk Management Plans for the 21st Century  
Grant Jones  
ISA A-1, U-1, M-1, Bm-1

Fundamentals of Gear Inspection Part 2  
Timothy Bushnell  
Philip Kelley  
ISA A-1, U-1, M-1, Bp-1, TWc-1, TWA-1

4:30 pm - 5:00 pm  
UAA Meeting

5:00 pm - 7:00 pm  
Buckeye Beer Bash – Hall 102 & Tree Care Inc.

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**CEU Legend**  
ISA A - Arborist; M - Municipal; U - Utility; TWc - Tree Worker Climber Specialist; TWa - Tree Worker Aerial Lift Specialist;  
Bs - BCMA Science; Bp - BCMA Practice; Bm - BCMA Management

CTSP and Ohio Commercial Pesticide Recertification pending; OCNT 1 credit per day/self-reported; BTE - New Jersey Board of Tree Experts
Ohio Tree Care Conference
February 25-27, 2020

Program

Monday, February 24
1:00 pm – 6:00 pm
Optional Workshop
Altec Field Day
Field equipment demonstration and training with Mike Poor, “Godfather of Kboom use in Arboriculture”.

Tuesday, February 25
8:30 am – 5:00 pm
Electrical Hazard Awareness Program (EHAP)
Presenter: Ernie Brinker
Electricity is a serious and widespread hazard to arborists. In fact, electricity causes about 15 percent of all fatalities in the tree care industry, making it the leading cause of worker fatalities. EHAP helps you meet the OSHA 1910.269 safety standard, which requires employer-certified training and on-the-job training and verification. Employers must certify that employees who work 10 feet or closer to energized conductors are trained in the special hazards involved in such work. EHAP training also meets the ANXI Z133.1 training requirements. This session is not available for municipal employees.

8:30 am – 5:15 pm
Arboriculture Plus / Certified Arborist Review Course
8:30 am - 9:45 am
Tree Biology & Anatomy
Presenter: Jim Chatfield, Ohio State University Extension
Overview of terminology, structures and functions of the buds, leaves, wood, and roots of trees. The concept of Compartmentalization of Decay in Trees (CODIT), and various other aspects of biology and anatomy.

9:45 am - 10:20 am
Tree Diagnostic & Plant Disorder
Presenter: Jim Chatfield, Ohio State University Extension
Overview of terminology, plant problems (caused by living and nonliving disorders), diagnostic principles, and a systematic approach to plant diagnostics.

10:20 am - 10:50 am
Tree Soil & Water Management
Presenter: Jim Chatfield, Ohio State University Extension
Overview of terminology, how water influences plant growth/ health, transpiration, and irrigation advantage/disadvantage plus other aspects of tree water management.

11:00 am - 11:45 am
Tree Identification
Presenter: Dawn Sherman, Werbrich’s Landscaping
Tree Identification, chapter overview of terminology, plant classification, leaf arrangement, and morphology. Identification of trees without leaves using various parts of trees.

11:45 am - 12:00 pm
Tree Selection – Part I
Presenter: Dawn Sherman, Werbrich’s Landscaping
Chapter overview of terminology, and benefits of trees in the landscape, site characteristics, selection of healthy vigorous planting stock.

12:00 pm - 12:30 pm
Lunch provided for all-day class participants only.

12:30 pm - 12:50 pm
Tree Selection – Part II
Presenter: Presenter: Dawn Sherman, Werbrich’s Landscaping

12:50 pm - 1:30 pm
Plant Health Care
Presenter: Dawn Sherman, Werbrich’s Landscaping
Overview of terminology, philosophy of Plant Health Care (PHC), its relationship to/with Integrated Pest Management (IPM). Identification of the pest management options and the advantage and limitation of each.

1:30 pm - 2:30 pm
Tree Pruning, Tree Installation & Establishment
Presenter: Andrew Petrarca, Petrarca Landcare
Overview of proper tree installation, establishment, and tree pruning.

2:30 pm - 3:00 pm
Trees & Construction
Presenter: Andrew Petrarca, Petrarca Landcare
Overview of terminology, instruction on how trees can be injured or killed as the direct or indirect result of construction, and steps for preservation of trees during construction.

3:00 pm - 3:45 pm
Tree Nutrition & Fertilization
Presenter: Brian Kraalovic, LaRoche Tree Service
Overview of terminology, essential elements needed by trees, and fertilizer advantages/disadvantages.
3:45 pm - 4:30 pm  
**Tree Risk Assessment & Management**  
Presenter: Brian Kralovic, LaRoche Tree Service  
Overview of tree risk assessment and risk management.

4:30 pm - 5:15 pm  
**Urban Forestry**  
Presenter: Brian Kralovic, LaRoche Tree Service  
Overview of key elements and components of urban forestry practices and methodology.

1:00 pm – 4:00 pm  
**General Session: I-Tree**  
Presenter: Dr. David Nowak, United States Department of Agriculture  
i-Trees (www.itreetools.org) is a suite of freely available software tools developed through a collaborative public-private partnership. The tools are designed to be accessible and easy-to-use, aiding urban and rural land managers, and the general public, in:
- Assessing and monitoring their local forest resource
- Understanding the services and values provided by trees and forests
- Evaluating risk to forest and human populations
- Developing sustainable forest management plans
- Improving environmental quality and human health
- Selecting appropriate tree species and locations
- Engaging stakeholders and public audiences
The vision of this program is to improve forest and human health through easy-to-use technology that engages people globally in enhancing forest stewardship and resiliency.
This presentation will present the latest information on the various i-Trees tools, including how and why to use these tools.

5:00 pm – 7:00 pm  
**Trade Show Grand Opening**

**Wednesday, February 26**

8:00 am – 7:00 pm  
**Trade Show Open**

8:30 am – 12:00 pm  
**Arboriculture Plus / Certified Arborist Review Course Continued**  
**Tree Support & Lightening Protection**  
Presenter: Andrew Petrarca, Petrarca Landcare  
Overview of terminology, tree installation support, limitation of cabling/bracing, and the usages of lightening protection.

9:30 am - 10:30 am  
**Climbing & Working in Trees**  
Presenter: Roy Montan, Davey Tree Experts  
Overview of terminology, current industry standards and safety regulations. Includes knots, appropriate tools and their usages, principles of rigging techniques/equipment, etc.

10:30 am - 12:00 pm  
**Tree Worker Safety & First Aid**  
Presenter: Roy Montan, Davey Tree Experts  
Overview of tree worker safety and first aid.

9:00 am – 10:30 am  
**Keynote Presentation: The Future of Urban Forestry**  
Presenter: Dr. David Nowak, United States Department of Agriculture  
Urban forests are constantly changing and will face various threats in the coming years. This presentation will discuss various forces of change, projections of urban forest change, and 10 things that urban foresters and arborists could do to help urban forests become more relevant to society. Enhancing the relevance of urban forests will be essential to sustaining these forests and their ability to improve human health and well-being.

11:00 am – 12:00 pm  
**Compatibility ... Good Functional Interaction – Part 1 (Climbers’ Corner)**  
Misconfigurations are becoming more common as the variety of ropes, connectors, arborist saddle hardware and pulleys continues to increase. We’ll set up the common misconfigurations, discuss the reason and review alternatives. This session will be interactive and fun.

11:00 am – 12:00 pm  
**The Use (and Misuse) of Tracked Lifts in the Tree Industry (Commercial Track)**  
Presenter: Mike Hrycak, Tracked Lifts Inc.  
Tracked lifts have become normal tools in the tree industry in the past few years. They offer versatility, expand capabilities, and can greatly increase the safety of arborists needing to access hazardous trees in backyards and other difficult access areas. However, the misuse of these valuable tools is also on the rise leading to expensive repairs, injuries and even fatalities. In this session, learn the do’s and, more importantly, the don’ts of tracked lift use in your operation.

11:00 am – 12:00 pm  
**A New Method to Compensation for Tree Loss (Municipal Track)**  
Presenter: Dr. David Nowak, United States Department of Agriculture  
When healthy trees are removed, common methods of compensation are either monetary or replanting new trees. Accurate monetary compensation for large healthy trees is difficult to ascertain and often uses formulas based on tree attributes such as species, size, location and condition. Compensation based on leaf area is more direct as most tree values are related to healthy leaf area. Using leaf area, a tree compensation rate can be determined (how many new trees are needed to compensate for the removal of a healthy tree). However, compensation also needs to consider the future benefits provided by both the removed tree and newly planted trees. This presentation discusses a new method of tree compensation based on comparing the net present value of leaf area between a removed tree and planted replacement trees.
Ohio Tree Care Conference Cont. from page 17

11:00 am – 12:00 pm  **Wildlife Awareness** (Utility Track)
Presenter: Geoff Kempter, Asplundh
Utility arborists work wherever the power lines go. The vegetation we work on is often habitat for wildlife. This often brings utility arborists close to – or too close to – wildlife, from ticks the size of a period to a 1,500-pound bull moose. This presentation describes safety concerns and legal obligations when utility arborists encounter animals while on the job.

11:30 am – 1:30 pm  **Lunch with Exhibitors**

12:30 pm – 4:00 pm  **ISA Certification Exams**

1:30 pm – 2:30 pm  **Compatibility … Good Functional Interaction – Part 2** (Climbers’ Corner)

1:30 pm – 2:30 pm  **Diagnostic Challenges: A Series of Unfortunate Events** (Commercial Track)
Presenter: Joe Boggs, Ohio State University Extension
Plant problem diagnostics is a high-pressure proposition. An accurate diagnosis fulfills your client's expectation; after all, you're the "plant professional." An incorrect diagnosis can threaten your credibility and lose clients. Fact is, even the most seasoned plant professional has made diagnostic mistakes; it's part of gaining hard-earned knowledge through experience. This “been there, done that” presentation uses real-life diagnostic case studies to illustrate diagnostic pitfalls and lessons learned. As Einstein said, "The only source of knowledge is experience."

1:30 pm – 2:30 pm  **On the Front Lines: Dealing with Difficult People** (Municipal Track)
Presenter: James Lassiter III, Cleveland Metroparks
20 Expert tactics for dealing with difficult people.

1:30 pm – 2:30 pm  **Right-of-Way Disease Management** (Utility Track)
Presenter: Jim Chatfield, Ohio State University Extension
Managing plant diseases involves utilizing an understanding of the disease triangle: What is the host range of the pathogen, what is the biology and virulence of the pathogen, and what are the environmental conditions conducive to disease? From a range of importance of oak wilt to tar spot of maple, we will cover a wide range of disease problems, their diagnosis, and how to utilize the power of the disease triangle.

1:30 pm – 2:30 pm  **Fundamentals of Gear Inspection – Part 1** (Climbers’ Corner)
When inspecting tree climbing equipment, if you can’t say “YES” to passing a component or assembly, then the answer is “NO”. It is important to educate yourself as much as possible; because a high level of gear inspection knowledge often leads to an increased ability to say “YES”. Believe it or not, we can have fun talking about gear inspections.

2:30 pm – 3:30 pm  **Be Alert to BYGL: A Look Back to Look Forward** (Commercial Track)
Presenter: Joe Boggs, Ohio State University Extension
The top tree and shrub pests reported through Buckeye Yard and Garden Live (BYGL) Alerts in 2019 with an eye towards 2020. It's a look back to look forward! Management strategies will be presented with a focus on what works, and what doesn't work! Learn what you need to know to get prepared for the upcoming season.

2:30 pm – 3:30 pm  **What You Need to Know About Ticks** (Municipal Track)
Presenter: Glen Needham, The Ohio State University
Arborists and those caring for trees are at some risk of being exposed to tick bites. Blacklegged ‘deer’ ticks are now well established in many Ohio locations but especially in deciduous forests and wood lots. This tick’s requirements for high humidity (provided by canopy and abundant leaf litter) and hosts (rodents and deer) make you especially at risk for being infected with Lyme disease following a tick bite. This species is active 12 months out of the year so there is no ‘off season’. Most folks get Lyme disease in the summer months from a poppy-seed sized nymph that feeds for only three days. So what is your personal risk in the state and locally? How do you protect yourself, your family and pets? I will dispel one myth about ticks jumping out of trees. Come get the latest information so you can function with confidence in outdoor Ohio.

2:30 pm – 3:30 pm  **Incidental vs. Utility Line Clearance** (Utility Track)
Presenter: Craig Murk, ACRT
This presentation will walk attendees through ANSI Z133 2017 Section 4 in detail and discuss some of the changes made from prior publications.

4:00 pm – 5:00 pm  **Fundamentals of Gear Inspection – Part 2** (Climbers’ Corner)
One hour is not enough time for this complex topic…so let’s continue the conversation for another hour.

4:00 pm – 5:00 pm  **User-Friendly Tools for Predicting Pest Phenology Based on Degree-Days and Biological Calendars** (Commercial Track)
Presenter: Dan Herms, The Davey Tree Expert Company
Plant phenology can track degree-day accumulation and predict insect development. Research has shown that the phenological sequence of insect emergence and blooming of trees and shrubs varies little from year-to-year regardless of variation in the weather. Degree-day models for each species generated the “Growing Degree-Day and Phenology for Ohio” website (www.oardc.ohio-state.edu/gdd), which provides real-time or historical degree-day data and phenological predictions for any location in Ohio. By scrolling up or down the Biological Calendar, it is possible to see what events have occurred, and what has yet to occur. The phenological sequence provides a user-friendly Biological Calendar for anticipating and timing pest management decisions for the diversity of pests affecting trees in Ohio.
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>4:00 pm – 5:00 pm</td>
<td>Tree Risk Management Plans for the 21st Century (Municipal Track)</td>
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<td>Presenter: Grant Jones, City of Bowling Green</td>
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<td>The City of Bowling Green created a Tree Risk Management Plan based on TRAQ principals for three years to help manage the risk of their city trees. Those attending will learn the components of Bowling Green’s plan and considerations made during its creation, how the plan was implemented, and lessons learned during its three years of use. These experiences will be beneficial for other communities as they consider developing their own tree risk management plans.</td>
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<td>4:00 pm – 5:00 pm</td>
<td>Incidental vs. Utility Line Clearance: Updates in the ANSI7133 Part 2 (Utility Track)</td>
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<td>Presenter: Craig Murk, ACRT</td>
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<td>5:00 pm – 5:30 pm</td>
<td>UAA Member Meeting</td>
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<td>5:00 pm – 7:00 pm</td>
<td>Buckeye Beer Bash at Tree Care Inc.</td>
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<tr>
<td><strong>Thursday, February 27</strong></td>
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<tr>
<td>8:00 am – 9:30 am</td>
<td>Annual Member Meeting Breakfast</td>
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<td>9:00 am – 1:00 pm</td>
<td>Trade Show Open</td>
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<td>10:00 am – 11:00 am</td>
<td>Tie In Points and Certifying Anchors for Life Support (Climbers’ Corner)</td>
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<td>An in-depth discussion on what qualifies a life support anchor and how we differ from other industries when doing so!</td>
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<td>10:00 am – 11:00 am</td>
<td>Oak Wilt &amp; Other Diseases (Commercial Track)</td>
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<td>Presenter: Jim Chatfield, Ohio State University Extension</td>
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<td>Oak wilt disease is present in Ohio. We will discuss management strategies, the biology of oaks and their susceptibility, the biology of the fungal pathogen and of the insect vectors and other modes of transmission of the pathogen. We will also cover other oak diseases in Ohio, from Tubaki leaf spot, anthracnose and oak leaf blister, and oak disease not in Ohio, such as bur oak blight and sudden oak death.</td>
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<td>10:00 am – 11:00 am</td>
<td>Navigating in Municipal Government: Uncharted Waters or Smooth Sailing Ahead? (Municipal Track)</td>
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<td>Presenter: Stephanie Miller, Ohio Department of Natural Resources Division of Forestry</td>
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<td>Stephanie will look at some current trends in urban forest management and their potential implications.</td>
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<td>10:00 am – 11:00 am</td>
<td>Customer Relations and Customer Service (Utility Track)</td>
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<td>Presenter: Geoff Kempter, Asplundh</td>
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<td>Utilities spend billions of dollars on maintaining trees to maintain a safe and reliable supply of electricity to the public. The benefits of these efforts to our economy and in prevention of injuries and death are immeasurable, yet utility arborists are frequently the targets of media scrutiny and public scorn. This presentation examines how utilities and contractors can improve public acceptance of utility vegetation management activities.</td>
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<tr>
<td>11:00 am – 12:00 pm</td>
<td>How Does Component Interaction/Compatibility, Gear Inspection and Tie In Points Pertain to Aerial Rescue (Climbers’ Corner)</td>
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<td>We will wrap up with discussion on how the previous sessions pertain to aerial rescue.</td>
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<tr>
<td>11:00 am – 12:00 pm</td>
<td>Soil Management and Tree Health (Commercial Track)</td>
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<td>Presenter: Dan Herms, The Davey Tree Expert Company</td>
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<td>Healthy trees require healthy soil, and soil health is strongly dependent on organic matter and its effects on soil microbes, which in turn regulate nutrient cycling. This presentation will explore effects of organic matter on microbial activity, nutrient cycling, and tree physiology, including implications for integrated pest management. General principles are developed that can be used to predict how organic matter and fertilization practices influence ecological processes and plant health, with an eye towards sustainable landscape management.</td>
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<tr>
<td>11:00 am – 12:00 pm</td>
<td>Comprehensive Urban Forestry and Other Duties as Assigned (Municipal Track)</td>
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<td>Presenter: Jennifer Milbrandt, City of Strongsville</td>
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<td>Limited budgets and manpower are often an issue in municipalities. As urban foresters we are being pulled in more directions and asked to wear more hats. Jennifer will be sharing her experience and some others from around the state.</td>
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<td>11:00 am – 12:00 pm</td>
<td>Relationship Management: Utilities and Municipalities (Utility Track)</td>
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<td>Presenter: Stephanie Miller, Ohio Department of Natural Resources Division of Forestry</td>
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<td>Finding common ground with local communities and officials is helpful in building support and avoiding conflicts. Stephanie will discuss some of the shared and diverging concerns of local governments and utilities and actions that bring them together.</td>
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<tr>
<td>12:00 pm – 1:00 pm</td>
<td>Lunch with Exhibitors</td>
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<tr>
<td>1:00 pm – 2:00 pm</td>
<td>Emerging Invasive Insects: Pests of Trees (All Tracks Combined)</td>
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<td>Presenter: Dan Herms, The Davey Tree Expert Company</td>
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<td>We are all familiar with the devastation wrought by EAB. But there are other invasive insects that also threaten Ohio’s urban forests and landscapes. These include hemlock woolly adelgid, spotted lantern fly, and Asian longhorned beetle. This presentation will provide updates on the biology and management of these and other emerging pests.</td>
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Meet the Presenters

Joe Boggs specializes in tree and shrub diagnostics and pest management. He averages over 100 teaching presentations per year and has published articles in the Tree Care Industry Association magazine, Landsculptor (Michigan Green Industry Association), The Buckeye Arborist, the Society of Commercial Arboriculture newsletter, and the Canadian Groundskeeper. He is a frequent contributor to the Buckeye Yard and Garden Live (BYGL) blog [bygl.osu.edu]. His weekly radio segment, “Buggy Joe Boggs Report,” runs from April through October on the Saturday morning show, “In the Garden with Ron Wilson,” (iHeartRadio: WKRC, Cincinnati; News Radio 610 WTVN, Columbus). The Cincinnati show is syndicated to 34 radio stations in 12 states.

Tim Bushnell started in the tree care industry in 1985 and with Davey in 2018. He's been an ISA Certified Arborist since '92 and is a TCIA Certified Treecare Safety Professional. Tim chairs the ANSI A300 committee, participated as a voting member for the current and 2012 editions of the Z133 and sits on several ANSI Z133 tasks groups. Tim was head technician from 2005-2011 for ISA's International Tree Climbing Championship and has been certified by Petzl America as a competent person regarding personal protective equipment (PPE). He is also a competent person in climbing/ rigging gear inspections to the United Kingdom standards and North American Training Solutions recognizes Tim as a qualified chainsaw technician and trainer. Tim brings with him an unparalleled passion for trees and safety. Jim Chatfield is an associate professor and extension specialist at The Ohio State University Extension. He provides extensive green industry extension workshops throughout the United States. Topics include but are not limited to plant problems, diagnostics, plant materials, plant selection, and plant pathology.

Dan Herms is vice president of research and development for The Davey Tree Expert Company. Prior to joining Davey, Dan was a professor in the Department of Entomology at The Ohio State University from 1997-2017. His research and outreach programs focus on the ecology and management of trees in forests, urban forests, and ornamental landscapes, including interactions with insects, soils, and climate. He received his B.S. in Landscape Horticulture from Ohio State University, his M.S. in Horticulture and Entomology from Ohio State University, and his PhD from Michigan State University in Entomology. Prior to joining Ohio State University, he worked at The Dow Gardens in Midland, MI for 13 years where he directed the pest management program. He has been elected a Fellow of the Entomological Society of America and the American Association for the Advancement of Science.

Grant Jones is the arborist for the City of Bowling Green. He oversees the management of trees on city properties, parks and rights of ways. Additionally, he manages line clearance operations for the city's electric utility. He is a Board-Certified Master Arborist and has his Tree Risk Assessment Qualification. Previously, he worked as the IPM specialist at Longwood Gardens and was a technical advisor for The Davey Tree Expert Company. He has a master's degree in Horticultural Science from Michigan State University and a bachelor's degree in Agricultural Science from the University of Nebraska-Lincoln. He is a member of the Ohio Chapter ISA, the International Society of Arboriculture, Society of Municipal Arborists, and the American Society of Consulting Arborists.

Phillip Kelley started his arboriculture career at Wright Tree Service in 1994 performing line clearance in northeast Iowa and worked up the management ranks before moving to Georgia in the year 2000 where he served as operation manager and safety coordinator for Arborguard Tree Specialists and Downey Tree Service. In 2009, Phil joined North American Training Solutions and served as vice president there until coming back to Wright Tree Service in the Spring of 2018 where he is leading the safety training and field development of the company. He has 25+ years in the industry including serving as head judge of the North American Tree Climbing Championship (2014-present) and served as the head judge/technician for multiple ISA chapter tree climbing championships.

Geoff Kempter is technical services manager for Asplundh with 30 years of experience. He is co-author of Utility Arboriculture, the Utility Specialist Study Guide, and author of the ISA BMP for Utility Pruning. Geoff teaches tree risk assessment qualification (TRAQ) for the ISA. He is currently vice president of the Utility Arborist Association, a member of the ANSI A300 committee, and has served on the ISA board of directors, the TREE Fund board and as ISA certification chair. He holds a degree in Natural Resources from the University of Michigan. Brian Kralovic is an ISA Certified Arborist and Municipal Specialist. He was formerly with the City of St. Clairsville as their city arborist where he managed the city vegetation in the public right-of-ways. He is currently employed by LaRoche Tree Service. Brian is skilled in public speaking, contracting, tree trimming, tree removal, stump removal, storm cleanup and plant healthcare.

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James Lassiter, III is currently and has been forestry manager with the Cleveland Metroparks for the past 8 years. He holds an MBA in Business Administration with a concentration in Applied Management from Indiana Wesleyan University. James also holds a BA in Business Administration from Defiance College. He has been an ISA Certified Arborist since 2005 and TRAQ since 2017 and has been a CDL instructor at Cuyahoga Community College since 2015. James' experience spans 24 years in the arboriculture field; specifically, 2 years in the private tree care industry and 22 years in the public or government sector of the tree care industry.

Tom Macy is the forest health program administrator for the Ohio Department of Natural Resources Division of Forestry. In this role, he oversees monitoring, surveying, and management of insect, disease, and invasive species pests impacting Ohio's forests and trees, as well as education and outreach. Tom earned his bachelor's and master's degrees in Forest Science from Ohio State University. He has previously worked with invasive species in positions with the U.S. Fish & Wildlife Service and USDA Forest Service Northern Research Station.

Jennifer Milbrandt is the coordinator of natural resources for the City of Strongsville. She is an ISA Certified Arborist, Tree Risk Assessment Qualified and FEMA – USFS Strike Response Team.

Stephanie Miller is the northwest Ohio regional urban forester with the Ohio Department of Natural Resources Division of Forestry. Most of her time is spent providing technical and organizational assistance to communities in her 19-county region. She is originally from central Indiana where she learned to love the outdoors. After receiving her BS in Forestry from Purdue University, she worked as a utility forestry supervisor in Michigan for ACRT. Her marriage to Greg brought her to northwest Ohio in 1993 where she continued in the utility and urban forestry private sector. Stephanie began her career with the Ohio Division of Forestry in 1997 as a service forester working one-on-one with private forest landowners. A year and a half later, she transferred into the urban forestry position. She is an ISA Certified Arborist, Municipal Specialist and is active in the Society of American Foresters and International Society of Arboriculture.

Roy Montan is a senior regional safety specialist with The Davey Tree Expert Company. He has over 29 years of service with the past 13 years in safety. Roy is a Certified Tree Care Safety Professional (CTSP) and a Certified Red Cross First Aid/CPR Instructor.

Craig Murk has been involved in the tree care industry since the early 1990’s. Starting in residential/commercial tree care, he transitioned to line clearance in 2001, and earned his journeyman card in 2003. Shortly thereafter, he took a job as a vocational instructor with ACRT, and taught tree-trimming as a vocation for the Job Corps for almost eight years. He returned to line clearance in 2010, and after a short stint running a crew, became a general foreman. Disheartened by the perpetual gloom of the PNW, he and his family moved to Arizona in 2012, where he continued in line clearance, but took a brief break to run a mule string in the Grand Canyon, before returning to instruction for ACRT full-time in 2016.

Glenn Needham is an OSU associate professor emeritus where he was on the faculty for 35 years, retiring in 2013. A year later, the US Air Force at Wright-Patterson AFB hired him to help validate a DNA test for multiple tick-borne pathogens. His formal education was in entomology, earning a Masters and Ph.D. from Oklahoma State University where he studied tick salivary gland physiology. Glenn is past president of the Acarological Society of America, co-organized an annual OSU Acorology Summer Program, and is a member of the Ohio Public Health Association. He is a co-author of more than 50 tick-related publications and co-edited three books on mites and ticks. In 2010 he found the first established Ohio population of blacklegged ‘deer’ ticks in Coshocton and Ashtabula counties. Since then he has been raising awareness about the emergence of tick-borne diseases in the state.

David J. Nowak is a senior scientist and team leader with the USDA Forest Service in Syracuse, NY. Dr. Nowak received a B.S. and M.S. from SUNY College of Environmental Science and Forestry, and a Ph.D. from the University of California, Berkeley. His research investigates urban forest structure, health, and change, and its effect on human health and environmental quality across the world. He has authored over 325 publications and leads teams developing the i-Tree software suite that quantifies the benefits and values from vegetation.

Andrew Petrarca, Petrarca Landcare, Inc., is an ISA Certified Arborist. He is skilled in cabling/bracing, landscape services, tree pruning, tree protection, pruning and tree removal.
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START THE NEW YEAR OFF STRONG!
JANUARY IS CREW LEADER MONTH!

During the month of January 2020, TCIA encourages companies to help crew leaders improve their leadership skills by earning the Crew Leader Qualification!

ARTICLES
Be on the lookout for crew leader-specific articles in The Reporter and Treeworker newsletters and in TCIA Magazine. This is a great opportunity for self-study and company training.

DISCOUNTS
Benefit from FREE shipping on our Tree Care Academy Crew Leader manual during November, December 2019 and January 2020.

Note: Completion of passing the test in this manual is a requirement to attend the workshops.

WORKSHOPS
We’re offering multiple workshops in January throughout the U.S. See the listing below and register online at tcia.org/crewleader.

Buy your Crew Leader manual and complete the tests so you can attend a workshop in these metro areas*:

Tuesday, January 7 - Austin, TX
Wednesday, January 8 - East Windsor, NJ
Thursday, January 9 - Mequon, WI (Milwaukee area)
Tuesday, January 14 - Atlanta, GA
Thursday, January 16 - Littleton, MA
Wednesday, January 22 - Asheville, NC
Thursday, January 23 - Minnetonka, MN

* Dates and times subject to change
By Guy Meilleur, Practicing Arborist, Aerial Consultant

In Part I, we reviewed some of the research that took place at Biomechanics Research Week from 2010 to 2016. In Part II, we will start with some background, look more closely at work done in 2016, then look at some of the results observed, and new work done, in August of 2019.

Background: Crown reduction pruning can be the best thing to do for a tree or the worst thing. Excessive crown reduction is known as topping, “large internodal cuts without regard to tree health or structure.” This study uses specified nodal cuts (made at growth points) that do not exceed four inches in diameter. “Smaller cuts shall be preferred”, is the wording in ANSI A300 Part 1, Pruning.

All A300 Parts state that “The arborist shall establish the objective.” The “shall” makes this a requirement; “should” means recommendation. The arborist considers the owner’s goals in light of potential arboricultural treatments and plans the work to achieve the owner’s goals to the fullest extent possible. We adapted the default objective in the German standard, which applies to most of our work: “Maximize health, safety, and value. Minimize risk and expense.” Like all the informational, supporting language in the British and German standards, the works are italicized. The ANSI A300 does not include informational guidance in the body of the document.

A heading cut is defined as either an internodal cut, a cut to a bud, or a cut to a small lateral. While managing both hollow and storm-damaged trees, arborists have found that the size of the remaining lateral is less important than size of wound, light exposure, and other factors. Observing 60” dbh trees in Sweden with 3-4” shell walls, Dr. Ed Gilman noted that “We remove too many trees and prune too few.” Heading cuts are often made after storms; indeed, the concept of “heading cut” is only relevant to pruning younger trees.

In 2016, Silver Maples, Pin Oaks, Red Maples, and sweetgum trees were cut back with 2-4 inch maximum cuts, depending on tree size. The specification called for a dose up to 50% of the leaves removed. In 2018, we measured the response in both the callus growth closing the wounds and the sprouting at or below the wounds. Callus was fairly uniform. Where the “donut” of tissue was uneven, that was related more to vascular flow than the location of the cuts.

New branch extension growth averaged close to 16” in 2017 and 10” in 2018. With cut size limited to the maximum in the European standards, in pin oaks there was no sprouting at the cut surfaces. That means the regrowth should be better attached and conforming to the trees’ natural growth habit. Overall, Sprouting after specified reduction pruning is typically located at interior nodes, and gradual.

The maples and sweetgums responded differently. There were more sprouts at the cut surface. Some of the regrowth was wild and unnatural in appearance, in comparison with the oaks. Ryan Redvers of Ontario, a soft maple specialist, initiated a study in 2019 on silver maples using cuts smaller than 2”. Redvers’ system of regular pruning at the same nodes could be considered a variation of pollarding. Based on his experience, natural growth form can be maintained with a lighter dose. Redvers pruned 3 trees with a lighter dose, 3 with a heavier dose, and left 3 as controls.

Pruning included bark in forks. Included bark is “embedded in a union between branch and trunk or between codominant stems. It causes a weak structure” (ISA) so it is widely viewed by tree risk assessors as a major concern that can substantially increase the likelihood of failure. And the failure of unions with included bark often have catastrophic consequences.

Current treatments for this condition include subordination pruning and supplemental support. Both treatments provide short-term mitigation, but both involve ongoing expense, and do not fix the basic problem or “defect.” Pruning out the included bark provided a permanent cure for one oak and several pears, so new research is underway to learn whether those results can be replicated.

A white oak (Quercus alba) tree has a single stem from ground level up to 90 cm. At that point, two codominant stems, each with a 25 cm (10 inch) diameter, split off. Their union had included bark, end to end. In 2012, a saw and a chisel were used to carefully remove the included (black and brown) bark, down to the point where living (tan and white) tissue could be seen on both sides of the Union. Over a period of 3 growing seasons regrowth was monitored, and bark that was included was removed. By the end the third year, a branch bark ridge was formed from one end to the other. No included bark remained.

Similar anecdotal results had occurred by similar methods carried out on small branches of Pyrus calleryana ‘Bradford’ in Columbus, Ohio. In 2016 the same kind of bark tracing was done on a variety of species, including silver maple, sugar maple, white pine, and pin oak. We used a straight hand saw for the smaller forks and a narrow-gauge chainsaw for the larger forks. Care was taken to avoid cutting into living (tan or white) tissue, but unlike surgery with chisels, that was difficult to avoid. Closure was documented in 2019, and some re-included bark was pruned. As the tree responds to this pruning, the tissue from one codominant merged with the tissue of the other codominant and turned upward, occluding the union and forming a branch bark ridge.

Pruning compacted bark under stem girdling roots. In closing we will briefly describe a related surgical study on removing compacted bark from stems that have been girdled by roots. This compacted bark has been observed to continue the girdling effect for years by restricting the outward expansion of phloem tissue after the removal of stem-girdling roots. Previous anecdotal results after tracing strips of this compacted bark have shown that phloem can expand rapidly after the compaction is removed.

When girdling roots are removed, often we see black plates of bark that have been compacted on the stem. Too often, the expansion of phloem above the girdle rolls over this compacted bark, including it. This structural defect can be avoided by scraping off the compacted bark, so the phloem beneath that can expand outward before the tissue above rolls over it.
Ryan Redvers describes his pruning research to interested observers at the Field Day.

Regrowth is struggling on this silver maple; was 4” an unkind cut?

This silver maple trunk was reduced to buds. No sprouting yet; we’ll check back in 2022.

The dark included bark was pruned away. It was deep in the middle, so the pruning was not thorough.

Regrowth on this silver maple conforms to the natural growth habit.
This fork has included bark from end to end; a candidate for correction!

Dr. Jake Miesbauer’s study involved 6”+ cuts on silver maples. All the cuts failed to compartmentalize.

Compacted bark was pruned away after the girdling strap was removed.
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You must be a current member of the Ohio Chapter ISA for your CEU test to be processed. You will be notified only if you do not pass. If you do not pass, you may not re-take the test. This test qualifies for the following CEUs.

ISA Credits: Certified Arborist-0.5, Utility-0.5, Municipal-0.5, TW Climber Specialist-0.5, TW Aerial Lift Specialist-0.5, BCMA Practice-0.5

ISA Credits Requested

1. Pruning is which Part of the A300 Tree Care Standard?
   a. 1
   b. 2
   c. 3
   d. 4

2. The objective is formed when
   a. The owner or manager tells the arborist what to do
   b. The arborist plans the work to achieve the owner’s goals
   c. The purchase order is signed
   d. The check is in the mail

3. A basic principle of pruning mature trees is
   a. Reduce to laterals at least 1/3 the diameter of the parent branch
   b. Remove large limbs with perfect collar cuts
   c. 90-3-90: the less cuts the better
   d. The smaller the wound, the better

4. A heading cut is defined as
   a. an internodal cut
   b. a cut to a bud
   c. a cut to a small lateral
   d. all of the above

5. Observing 60” dbh trees in Sweden with 3-4” shell walls, Dr. Ed Gilman said
   a. “They have ticking time bombs all over the place,”
   b. “We know a great deal about tree biomechanics,”
   c. “We remove too many trees and prune too few,”
   d. “Hazard tree removal is the essence of arboriculture.”

6. After the storm, _____ for better form
   a. Make all cuts just outside the collar
   b. Wait and see
   c. Head (Make heading cuts)
   d. Make coronet cuts

7. When pruning (tracing) included or compacted bark, remove_____ bark and avoid damaging _____ tissue.
   a. grey or black, orange or yellow
   b. grey or black, orange or white
   c. black or orange, tan or white
   d. black or brown, tan or white

8. Ryan Redvers’ system of regular pruning at the same nodes is a variation of
   a. Topiary
   b. Pollarding
   c. Espalier
   d. Topping

9. Sprouting after prescribed reduction pruning is typically
   a. Located at the cut surface, and fast
   b. Located at the cut surface, and gradual
   c. Located at interior nodes, and fast
   d. Located at interior nodes, and gradual

10. Informational text in the body of the UK and German standards is signified by
    a. Bolding
    b. Underline
    c. Italics
    d. Standards do not include informational text

SUBMIT ONLINE - INSTANT RESULTS
Mark Your Calendar

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