

Illinois Trees

The Quarterly Publication of the Illinois Arborist Association

The IAA Annual Conference is Around the Corner

The Illinois Arborist Association is proud to announce the 32nd Annual Conference and Trade Show on Tuesday and Wednesday, October 21st and 22nd. We have a very exciting and informative program planned for you! Back by popular demand is Dr. Lew Bender with *Managing Difficult People: A Different Perspective*. We have also added Dr. John Ball to the program. He will be speaking on *Tree Worker Safety and Emergency Response for Tree Workers*. Hope to see you all there.

Just like last year, we have additional programs available on Monday for those who would like to be certified in Project Learning Tree or Electrical Hazards Awareness Program (EHAP).

Project Learning Tree is an award-winning environmental education program designed for teachers and other educators, parents, and community leaders working with youth from preschool through grade 12. If you are looking for activities, classroom presentations, and outreach ideas for school groups or scouts, Project Learning Tree is a collection of award-winning activity guides filled with ready-made outreach activities for students in Pre-school through 12th grade and teaches students the importance of trees through hands-on activities and fun games. Drawing on history, math, science, and art, students learn concepts in tree biology, ecosystem management, tree health, disease, and tree planting. Participants will try activities from the guide, understand how to plan for an outreach event and learn engagement strategies for working with children of different ages. Each participant will receive the guide with 100 activities ready to go for your next event!



The Electrical Hazards Awareness Program (EHAP) from TCIA is a training program that helps employers meet OSHA and ANSI safety requirements. It is also a great way to train all municipal, commercial and residential tree workers to recognize the hazards of working around electricity.

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There is plenty more to choose from, including our Live Demonstration Tree, which will be located in the center of the trade show floor. For additional information, check out the conference agenda in this publication or on our website.



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Illinois Arborist Association Mission Statement

*"Foster interest, establish standards, exchange professional ideas
and pursue scientific research in Arboriculture"*



President's Message

Mark Simon

Dear Members,

Good morning all! It is Tuesday September 2nd, and I hope you all had an extended weekend. I did, kicked it off with the IAA golf outing on Friday, and the weather held, no rain! It was a rather "moist" day however; glad to see all of the participants stay so well hydrated... ;-)

Oh, by the way, congratulations to the team of TJ Blockhus, Kerry Anderson, Rob Spartz, and Mark Simon(that's me), they took the title with an 11 under score. An honest 11 under score, mind you...

Jack Mitz won the closest to the pin, Dave Sloan won the longest drive, Robert Spartz won the longest putt and Jordan Orwitz won the shortest drive.

Now that our summer events are over, it is time to look forward to the Annual Conference, which is October 21st and 22nd. April works really hard on the conference, all the way from setup to the sessions themselves. If you would like to see anything we don't have on the agenda, please speak up. If you don't tell us, we don't know. We try our best to have a well-rounded agenda, however we will always take into consideration things we might not think of. Also, we are in need of volunteers for the conference, as always. So feel free to call or email April, your service will be greatly appreciated.

My year is drawing to a close, and I would like to thank everyone for their help, and to all of our membership, please help out your future board members, they ultimately have your best interests at heart. Regardless of commercial, municipal, or utility arborist, we need to work together to continue the work that was started years ago, and to continue to serve you, our membership...

Sincerely, Mark

IAA Membership Form

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TITLE

COMPANY/ORGANIZATION/INSTITUTION

STREET OR PO BOX MAILING ADDRESS

CITY

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Membership Levels & Dues

- ☐ Active - Includes ISA and IAA memberships
\$175 per calendar year
- ☐ Affiliate - IAA membership only
\$45 per calendar year
- ☐ Student - Includes ISA and IAA memberships
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What Trees are Hankerin' for a Cankerin'? Are All Fungal Cankers the Same?

(by Stephanie Porter)

As I looked out the back window of my Mother-in-law's newly purchased home, I was reminded of the constant struggle that many trees have with fungal cankers.



Ever since the 2012 drought as well as many other stresses placed upon trees, it is no wonder that trees have been “hankerin’ for a cankerin’”. A canker is an area of localized necrosis, which often appears as a sunken area, on the bark and cambium of tree stems, branches, or twigs. These cankered areas on trees can be a result of abiotic issues as well as disease pathogens.

Most of the time, canker causing pathogens are fungi (ascomycetes or oomycetes); however, there are bacterial pathogens that can cause cankers on trees as well. Most of these fungal canker causing pathogens, attack hardwoods. But, we can't forget one of Illinois most famous cankers, *Cytospora* canker, which can be easily identified by the white oozing sap that streams from branches or trunks of older, stressed, spruce and pine trees.



Cytospora canker on spruce

After infection, fungal canker pathogens can grow by feeding on nutrients and carbon in the vascular system. Some produce toxins that kill host tissue, while others produce enzymes to degrade or decompose wood. The tree responds to these canker infections by producing callus tissue. Often times, secondary fungi move into older cankers and can cause additional rot and decay.

There is no canker pathogen known to infect or penetrate bark that is intact. Most infection occurs via a wound or (wet) branch cut that has left a stub. The exact infection site of a canker may be difficult to pinpoint, but fungal sporulation can occur within the callused tissue and canker mycelium is able to overwinter within dead bark in a saprophytic state. Reinfection of the canker fungi can occur if the host tree's defenses are down. Depending on the fungal pathogen or tree vigor, a tree may be able to continue living a normal life with cankers present; however, if a canker girdles a stem, branch, or twig; death may result beyond that point of infection.

Not all canker fungal pathogens are the same. There are different types of fungal cankers, and they can be grouped according to host, pathogen, and environmental stress levels. Canker groups are annual, perennial (persistent), diffuse, and opportunistic (conditional).

ANNUAL

Annual canker fungi are usually only active for one season, so it usually takes a year before the tree host sends out a response to inactivate the annual canker fungal infection. During this active fungal growth, necrotic areas are callused over, and there is no impact on tree growth, but lumber quality can be degraded. If you would look at the vascular tissue of a tree with an annual canker, you might see dark areas (fungal infection) on the rings of annual growth. If the tree continues to be stressed or injured, multiple cankers can develop – in some cases, hundreds of cankers may be present. These cankers can range from less than one inch to several vertical feet in length; however, most annual cankers are small. The fungal pathogens that cause annual cankers can attack a broad range of tree families as a result of stress and is often associated with the attack of secondary borer insects. A common example of an annual canker in Illinois is a *Fusarium* canker on walnut or oak.

(continued on page 8)

2014 Tree Climbing Competition

Come out and watch Illinois' best climbers compete in the 2014 Illinois Tree Climbing Competition at Salt Creek Park in Wood Dale. There is no cost to attend. Come out and watch all of the latest climbing techniques performed real time. There will also be food and beverages for purchase. Competition starts at 7:00am.



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What Trees are Hankerin' for a Cankerin'? Are All Fungal Cankers the Same?

(continued from page 6)



Fusarium canker - Credit: Robert L. Anderson
USDA Forest Service, Bugwood.org

PERENNIAL CANKERS

The fungal pathogens that cause perennial (persistent) cankers, also known as persistent cankers, can be active each dormant season. As a result, these fungal pathogens attack during the dormant months and a small amount of the tree hosts' cambium is destroyed each year. The tree host protects itself during the growing months by building up a callus barrier. It is a constant back and forth battle



Fusarium canker
Credit: Robert L. Anderson
USDA Forest Service,

with the tree host and this "battling" causes the development of a canker that appears as a "target". A perennial canker will rarely girdle the entire stem, but if the perennial canker enlarges faster than the radial growth of the tree, girdling or tree death can occur. The Nectria canker, is one example of a perennial canker and often has bright colored fruiting structures within cankers in the spring or early summer. The Thyronectria canker of honeylocust is common in Illinois after drought stress and can cause annual or perennial cankers. Another perennial canker is Botryosphaeria canker and it can attack several species (Serviceberry, Viburnum, Willow, Stone Fruits, Maple), but we often can see infections on oak in Illinois.

DIFFUSE CANKERS

Diffuse cankers are very aggressive canker pathogens and often times, the tree host has no time to build up a callus barrier or be able to defend itself against infection. It differs from a perennial canker because it can infect during the growing season. There can be rapid canker infection spread, which leads to necrosis, dieback, wilting, and death. One of the most famous diffuse cankers is Hypoxylon canker of oak, which often infects trees stressed by heat and drought. Phytophthora cankers are also examples of diffuse cankers and can occur on many trees such as European beech and appear as dark, black areas that bleed on bark. Sudden oak death is caused by Phytophthora ramorum, and is considered to be a deadly, invasive disease of many groups of higher plants.



Hypoxylon canker – Photo credit: Molly Giesbrecht, Texas A&M AgriLife Extension Service, Bugwood.org

OPPORTUNISTIC (CONDITIONAL) CANKERS

Opportunistic canker pathogens usually only infect via wounds or shedding twigs under specific conditions that consist of high stress (drought) or during poor tree health, when tree defenses are down.

(continued on page 14)

2015 IAA Tree Climbing Competition Prize Package

2015 ArborMaster Climbing Kit Prize Package

The Illinois Arborist Association is pleased to announce the 2015 ArborMaster Climbing Kit Prize Package for the Tree Climbing Champion (TCC), held in conjunction with the chapter's 2015 Tree Climbing Championship (TCC) event.

This climbing kit is being offered to each chapter champion (both man and woman, if applicable)! The package is intended to help equip the chapter representative(s) for the International Tree Climbing Championship (ITCC) Competition.

Each prize package includes:

- Helmet System with Hearing Protection, Husqvarna Axe and Wrap Chaps provided by Husqvarna
- Silky Tsurugi Curve Hand Saw
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2014 IAA Conference Agenda

8:30 —9:00 WELCOME Mark Simon, IAA President

ISA UPDATE — Jim Skiera

9:00 —9:15 IAA AWARDS AND ANNOUNCEMENTS OF NEW BOARD MEMBERS

GENERAL SESSIONS

9:15 —10:15 NEW TREE VARIETIES

Joe Rothleutner, The Morton Arboretum, Becky Thomas, Ornamental Growers Association, Mike Scheitz, Goodmark Nurseries
Joe Rothleutner, Tree Improvement Specialist with the Morton Arboretum will present the latest in new tree variety research from the Morton Arboretum & Chicagoland Grows programs. His presentation will highlight new tree varieties you should know about as well as look into the tree breeding process. He will be joined by OGA Growers Becky Thomas, Spring Grove Nursery, and Mike Scheitz, Goodmark Nurseries. They will lend a local grower's perspective on how some of the new tree varieties are growing in their fields.

10:15 —10:45 BREAK WITH EXHIBITORS

10:45 —12:00 STATE OF THE NURSERY INDUSTRY—STRAIGHT FROM THE GROWERS—PANEL DISCUSSION

Becky Thomas, Spring Grove Nursery, Mike Scheitz, Goodmark Nurseries, Roger Purcell, Roger Purcell Hort Sales, Dr. Phaedra Weiler, Arthur Weiler Nursery, Ryan Doty, Doty Nurseries. Join a panel of Growers as they discuss the reality of nursery supply for the upcoming years. The Growers will share their experiences of winter damage this past year, the state of nursery inventories today, production timelines to bring a tree to market, where the future is headed for tree supply in their fields, and how we can work together to assure municipality needs are met. In addition to a candid discussion from Growers, question & answer opportunities will round out this relevant topic every municipal arborist & forester needs to know.

12:00 —1:00 LUNCH/SHORT SESSIONS

Opportunities will be offered throughout the exhibit hall to take one or more short courses on Knots, Gear Inspection, Insects, Butt Rot, Tree Varieties. Each quiz is worth .5 CEUs...complete all four stations and receive a total of 2 CEUs.

MUNICIPAL SESSIONS

1:00 —2:45 MANAGING PROBLEM EMPLOYEES: A DIFFERENT PERSPECTIVE - Lew Bender, Ph.D.

The games they play, and why they play them. Why you often lose. How you can outplay, outwit and outlast your problem children. If you are spending the majority of your time, energy and frustration on your least productive and most trouble causing employees, then you won't want to miss this workshop. You will learn what games are actually being played and the why problem employees are motivated to play these games. You will also learn how to turn many of the negatives into positives for your team. In addition, you will learn: How to strengthen your team in spite of the influences of problem employees. How to interpret body language and other key communication concepts. How to regain your serenity in the middle of the problem child's game.

2:45 —3:15 BREAK WITH EXHIBITORS

3:15 —4:00 MANAGING PROBLEM EMPLOYEES—CONTINUED - Lew Bender, Ph.D.

COMMERCIAL SESSIONS

1:00 —2:00 MANAGING ANCIENT AND HISTORIC TREES - Guy Sternberg, Starhill Arboretum

Engage your imagination and talk about giant, ancient, and unique trees. We will examine what makes monumental and historic trees more than the renewable resources of forestry parlance, with some dramatic case studies showing how they should and should not be managed. Learn what you can do in your own neighborhood to help preserve a gift that is irreplaceable on the human time scale—our heritage trees.

2:00 —2:45 MANAGING ANCIENT AND HISTORIC TREES—CONTINUED - Guy Sternberg, Starhill Arboretum

2:45 —3:15 BREAK WITH EXHIBITORS

3:15 —4:00 PRUNING OAKS: TRAINING THE YOUNG TO ACHIEVE GRANDEUR - Guy Sternberg, Starhill Arboretum

Most trees need a little help to be the best that they can be. Oaks have special characteristics that, if addressed at a young age, can be molded into the venerable form and stature that we all think about when the word "oak" is mentioned. Learn the right, and wrong, ways to approach oak pruning during the early years of tree growth.

UTILITY SESSIONS

1:00 —2:00 EFFECTIVE VEGETATION MANAGEMENT PRINCIPLES WITH HERBICIDES - David Jay

We will discuss Vegetation Management principles using herbicides that include environmental impact, understanding a label, application techniques, herbicide products, herbicide safety, and how they all work together. Depending on what role you are involved in, having an understanding of all of the options that are available to achieve your long term goals.

2:00 —2:45 TBD

2:45 —3:15 BREAK WITH EXHIBITORS

3:15 —4:00 CHALLENGES WITH POWERLINES THROUGH FEDERAL LANDS - Phil Charlton, Utility Arborist Association

Philip Charlton will look at the challenges utilities face as a result of working on federal lands. He will provide an update on the status of the memorandum of understanding being negotiated between representatives of the industry and the various land agencies.

4:00 —6:00 TREE FUND RAFFLE AND REFRESHMENTS

Please stay and enjoy snacks and (limited) free beer while supporting the TREE.

2014 IAA Conference Agenda

GENERAL SESSIONS

7:00 —8:00 KNOW YOUR ANSI STANDARDS: ANSI A300 PART 8: ROOT MNGT. - ROOT & BUTT DECAY - Dr. Thomas Green

This session provides an introduction to the Root Management (part 8) ANSI Standard, with emphasis on major decay organisms. This talk provides basic information on decay fungi, types of decay (white rot, brown rot, soft rot), along with ID of major root and butt rot organisms and how it ties in with Part 9: Risk Management.

8:00 —8:15 ANNOUNCEMENTS

8:15 – 9:15 WOODY PLANT DISEASE UPDATE - Travis Cleveland & Phil Nixon, U of I Extension

An overview of plant diseases and insect problems submitted to the University of Illinois Plant Clinic during 2014.

9:15 – 10:15 TREE WORKER SAFETY: WHAT IS HAPPENING AND WHY - Dr. John Ball, South Dakota University

Tree work is among the highest risk occupations in the US and we are losing more tree workers to injuries every year. This session will cover the how's and why's for the most common tree worker injuries, and more important, what workers can do to avoid becoming next year's statistics!

10:15 – 10:45 BREAK WITH EXHIBITORS

10:45 – 12:00 EMERGENCY RESPONSE FOR TREE WORKERS - Dr. John Ball, South Dakota University

One of the key reasons a tree worker incident becomes a fatality is the lack of first aid training and skills of the crew. This session will cover the most common nonfatal injuries and how the crew needs to respond to work with EMS to ensure the survival of the injured worker.

12:00 – 1:00 LUNCH/ SHORT SESSIONS

Opportunities will be offered throughout the exhibit hall to take one or more short courses on Knots, Tree Varieties, Butt Rot, Climbing Gear Inspection, and Insects. Each quiz is worth .5 CEUs complete all four stations and receive a total of 2 CEUs..

MUNICIPAL SESSIONS

1:00 – 2:00 REGIONAL TREES INITIATIVE - Lindsay Darling, The Morton Arboretum Community Trees

Introducing Regional Trees Initiative programs that are getting underway.

2:00 – 3:00 IS IT YOU OR THE RESIDENT THAT NEEDS MEDICATION? - Steve Ludwig, The Village of Algonquin

In a world where things are moving faster than ever, the expectation of the customer are sometimes unreasonable. Steve will discuss some of the things we experience, some of the coping skills that prove effective, how to provide logical perspectives to the residents, and how to ensure that when they show up at a board meeting your actions are appropriate and defensible.

COMMERCIAL SESSIONS

1:00 – 3:00 TREES DON'T PAY US, PEOPLE DO! - Dr. John Ball, South Dakota University

All my years in business I was never paid by the tree and the only way I could help my patients, the trees, is if the owner allowed. This session explains why we are more into the people business than the tree business and some simple steps to increase our opportunities to work to improve the health of trees.

UTILITY SESSIONS

1:00 — 2:00 APPLYING ANSI A300 PART 9 TO UTILITY VEGETATION MANAGEMENT - Seth Reid

Conducting tree risk assessments revolves around managing expectations for yourself, the utility, and the public. When conducting utility tree risk assessments it is important to strike a balance between quality and production to achieve the goals provided by the tree risk manager (the utility). We will discuss how tree risk managers and tree risk assessors (the inspectors) can decrease the probability of a tree failure, while also limiting liability when unexpected tree failures occur.

2:00 —3:00 ELECTRICAL HAZARD AWARENESS - Tim Walsh

11 total CEUs not including exhibit hall stations.

13 CEUs when you include the exhibit hall stations

IAA COMMITTEES

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Norm Hall

Kevin Spiller

Todd Haefke

Program

Stephanie Adams

Peggy Drescher

Norm Hall

Grant Jones

Derick Vannice



2014 Conference Registration Form

Registration includes programs, lunch, coffee and refreshment breaks.

Advanced registration must be postmarked **September 29, 2014**

Registration Fees

Full Conference

- | | |
|--|----------|
| <input type="checkbox"/> Advanced Member | \$240.00 |
| <input type="checkbox"/> Advanced Non-Member | \$280.00 |
| <input type="checkbox"/> At-Door Member | \$260.00 |
| <input type="checkbox"/> At-Door Non-Member | \$300.00 |

Special Sessions (Monday)

- | | |
|---|----------|
| <input type="checkbox"/> EHAP Program | \$125.00 |
| <input type="checkbox"/> Project Learning Tree | \$40.00 |
| <input type="checkbox"/> Online Marketing for Arborists | \$75.00 |

Daily

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Full Time Student (must show ID)

Total: _____

- | | |
|--|---------|
| <input type="checkbox"/> Full Conference | \$50.00 |
| <input type="checkbox"/> Daily | \$35.00 |

* Food **NOT** included with **Monday** Special Sessions.

Membership to the Illinois Arborist Association is required for the member rates. Annual dues for the IAA are \$45 which may be paid at the time of registration to receive member rates. Send payment to: Illinois Arborist Association, PO Box 860, Antioch, IL 60002 or fax 262-857-6677. Confirmation of registration will be sent by e-mail or fax within 7 days after registration is received. Questions: Contact April 877-617-8887. You may fax this registration form to 262-857-6677.

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Email: _____ Phone: _____ Fax: _____

Current Member? ☐ Yes ☐ No

New Member dues (add \$45 to registration to receive member rate)? ☐ Yes ☐ No

Please select one type of registration

- ☐ Full Conference
☐ Tuesday Only
☐ Wednesday Only
☐ Spanish Session

Please select method of payment

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DEMONSTRATION TREE

Norm Hall from Arlington Power Equipment, Todd Kramer from Kramer Tree Specialists, and Don Roppolo from The Care of Trees, and Beau Nagan from the Morton Arboretum will be conducting two days of hands-on instruction in Climbing and Chainsaw Maintenance. A real tree will be erected in the center of the exhibit hall. Take advantage of this opportunity to experience the excitement of live demonstrations. 10.50 CEUs available

Tuesday, October 21

8:45-10:15	Chainsaw Basic Maintenance —"Live" video feed for optimal viewing
10:15-10:45	Break with Exhibitors (Attendees can use this time to take any of the short courses located in the exhibit hall)
10:45-12:00	Chain Ergonomics in Felling and Handling—"Live" video feed
12:00-1:00	Lunch
1:00-2:45	Work Positioning While in the Tree
2:45-3:15	Break with Exhibitors (Attendees can use this time to take any of the short courses located in the exhibit hall)
3:15-4:00	Basal Anchors for SRT/Ascending

Wednesday, October 22

8:30-10:15	Aerial Rescue from a Spar with no Laterals to tie into
10:15-10:45	Break with Exhibitors (Attendees can use this time to take any of the short courses located in the exhibit hall)
10:45-12:00	Aerial Rescue for a Pinned/Trapped Climber
12:00-1:00	Lunch
1:00-3:00	Rigging the tree down

SPANISH-LANGUAGE SESSION (SESION ESPANOL)

Eduardo Medina of the Davey Tree Experts, as well as Israel Garcia and Felipe Cornejo will deliver all of these sessions in Spanish.

Wednesday, October 22

9:15-10:15	Work in Trees or Care of Trees? Trabajando con arboles o cuidando arboles
10:15-10:45	Break with Exhibitors (Attendees can use this time to take any of the short courses in the exhibit hall)
10:45-11:30	Felling Techniques Técnicas de apeo
11:30-12:00	Dynamic vs. Static Climbing técnicas de trepa dinámica vs estática
12:00-1:00	Lunch
1:00-2:00	Driving Me Crazy (talk about commercial trucks) platica acerca de conducir camiones comerciales
2:00-2:45	Eduardo will translate the demonstration tree for the rest of the afternoon

**11 total CEUs not including exhibit hall stations.
14 CEUs when you include the exhibit hall stations**

Monday Sessions

Project Learning Tree - \$125.00

Looking for activities, classroom presentations and outreach ideas for school groups or scouts? Project Learning Tree is a collection of award-winning activity guides filled with ready-made outreach activities for students in Preschool through 12th grade and teaches students the importance of trees through hands-on activities and fun games. Drawing on history, math, science and art, students learn concepts in tree biology, ecosystem management, tree health, disease and tree planting. Participants will try activities from the guide, understand how to plan for an outreach event and learn engagement strategies for working with children of different ages. Each participant will receive the guide with 100 activities ready to go for your next event!

Electrical Hazard Awareness- \$40.00

23% of reported fatalities in the tree care industry in 2012 were due to contact with energized lines. The sad truth is that all of these fatalities were avoidable. TCIA's Electrical Hazards Awareness Program (EHAP) seeks to educate owners, managers and production personnel on how to identify, understand and avoid electrical hazards. The program focuses on the following areas:

Online Marketing Demystified for Arborists - \$75.00

Get more customers automatically - Your customers are looking for you online. Today, there are over 1 billion local searches done every month (80% of buyers search online first vs. print methods. If your business isn't showing up all over the first page of Google, there is a chance you are leaving money at the table - your competitors are getting your customers. In this session, you will learn how to become the #1 authority online in the Arborist's market in your geographical area by following our 5-point plan for Online Market Domination.

What Trees are Hankerin' for a Cankerin'? Are All Fungal Cankers the Same?

(continued from page 8)

Once trees are infected by opportunistic canker pathogens, they are often a part of a disease complex and may be more likely to succumb under stress conditions. Some examples of opportunistic cankers are *Cytospora*, *Leucostoma*, or *Valsa* Cankers. These fungal canker pathogens can infect many different hosts, but usually are mostly an issue on trees growing in a non-native site.



Cytospora canker - Michael Kangas, NDSU - North Dakota Forest Service, Bugwood.org

What can we do to help prevent or manage the infection of canker pathogens? The goal is to avoid tree stress!

Proper site – The best advice is to plant (disease-free) trees at the proper depth and with the proper spacing. In general, native trees species, if kept in good health, may be better equipped to avoid canker infection, when compared to non-native tree species. It is best to grow only trees species that are well suited for the area and site conditions. For example, some tree species need to be grown in sheltered locations, while others may need to be grown within the proper soil pH. There could be resistant species and cultivars that are available for certain types of canker diseases.

Proper pruning – If cankers only affect twigs or branches, they can be carefully removed. If you fear further plant pathogen spread during the growing season, pruning should be done when bark is dry. Ideally, pruning usually should be done in late winter or early spring, when trees are dormant. The key is to prune PROPERLY! Pruning cuts should be made in healthy bark and wood, several inches below the diseased or dead area. Pruning tools should be sharp and used in a manner that promotes a smooth cut to help with wound closure. Remember, when pruning an entire branch, wood

should be removed before it meets the collar. The branch collar should not be removed. All of the pruned material should be removed or burned.

It is very important that you disinfect machinery or tools after use in order to prevent plant pathogen spread. Disinfecting can be done with steam, hot water under pressure, or a 10% (1 part bleach to 9 parts water or 10% soak for 30 minutes). Some research institutions even recommend soap and water or rubbing alcohol for disinfection. No matter the disinfecting method, whatever you are cleaning should be allowed to dry. Remember that bleach can discolor metal or clothing. Corrosion of cutting tools due to disinfection via bleach is also a common complaint. One tip might be to rinse with water and treat the cutting tool with a light spray of cooking oil after it has come into contact with a bleach solution. Some new research compiled into a fact sheet that discusses other alternative options for the disinfection of cutting tools and can be found at the following link: http://puyallup.wsu.edu/~linda%20chalker-scott/horticultural%20myths_files/Myths/Pruning%20tools.pdf

Avoid and Treat Injuries – Avoid wounding the tree if at all possible. Keep the trunk base as dry as possible and free of grass, weeds, or other debris that may attract rodent injury. Mulching the base of the tree can help avoid mechanical injury. Thin barked trees should be wrapped prior to winter. Wounds can be treated by removing loose bark and splintered wood. Wounds may also be treated with an antiseptic, but covering a wound is not recommended because recent research indicates that this practice is of no value and might even accelerate wood decay.

Tree Surgery – Some trunk cankers (diseased bark and underlying diseased wood) that are less than half-way around the tree and serious girdling roots can be removed by an experienced arborist.

Maintain Good Vigor – Keep trees vigorous by applying fertilizer in the spring or fall. Water trees during times of drought greater than two weeks.

Chemical control - There are no general fungicides that can be routinely applied to trees that will control all canker diseases. If a tree is infested with defoliating insects or borers, a timely insecticide application may help to relieve stress to a tree. Avoid other chemical injury due to herbicides, salt fertilizers, and other chemicals that are not labeled for application.

Special Tree Volunteer Day at Lincoln's Tomb

December 13, 2014

During early May 2015, the 150th anniversary of Abraham Lincoln's death will be marked with a reenactment of the funeral. The massive, multi-day program will involve thousands of people and will culminate at Oak Ridge Cemetery in Springfield at the site of the original funeral in 1865. This will include reconstruction and use of the original cemetery gateway and accurate replicas of the original horse-drawn hearse and wood-burning funeral train, along with thousands of uniformed Civil War re-enactors lining the funeral parade route. See: The 2015 Lincoln Funeral Coalition, [Trees @ Oak Ridge](#), and <http://oakridgecemeteryfoundation.org/photos/>.

Approximately 80 mature trees, including some unique or historic specimens, near his tomb and in the surrounding cemetery grounds have felt the adverse effects of our recent climate extremes and are in critical need of arboricultural work or removal to prepare the site for this event. Our volunteer day is scheduled for Saturday, December 13, and Petersburg certified arborists Guy Sternberg and Alana McKean will coordinate activities on site.

The work will consist of structural pruning on some of the damaged trees and piecing down some dead trees located in positions where direct felling would be difficult. Local crews and other volunteers will be able to clean up the debris over winter in time for the funeral. We hope many arborist companies from here in Illinois will be able to join this effort. Great press coverage is expected, so be sure to bring bucket trucks, chipper trucks, and other equipment marked clearly with your company logo and contact information.



Please contact April at april@illinoisarborist.org or call 877-617-8887 if you are interested.

Proposed Changes to the IAA By-Laws (Please Read)

Dear IAA members,

In accordance with our by-laws, any amendments and changes to those by-laws, approved by the board must be sent to the members 30 days in advance of the annual member meeting. Those present at the annual meeting will then vote on the changes at the meeting.

Your board has faced some challenges from a strategic standpoint when it comes to utilizing the committees. Many of the committees are no longer used or play a strategic role in the organization. To stay in accordance with the by-laws and still operate strategically, your board has approved some changes to the by-laws that removes many of the committees. The changes also give your elected board the power to appoint volunteer driven committees as needed to achieve our strategic objectives. It is important to understand that these changes are not meant to change the importance of committees to the success of the IAA. These changes allow the board to appoint committees with the appropriate roles and responsibilities to get things done.

In order to make this process as painless as possible, we would like to approve all the changes with one vote. For your convenience, we have attached a marked up version showing the changes and the new changed version. Please feel free to contact me if you have any questions. We will vote at the annual meeting on October 21, 2014.

For more information go to the IAA website www.illinoisarborist.org



IAA Calendar of Events

Tree Risk Assessment Qualification (TRAQ) Springfield

Where: State Library

When: September 9 – 11 (8:00am – 5:00pm)

Illinois Tree Climbing Competition

Where: Salt Creek Park in Wood Dale, Illinois

When: September 13 (7:00am – complete)

Modern Rigging (Level 1)

Where: Cantigny Park, Wheaton, Illinois

When: September 16 – 17 (8:00am – 3:00pm)

Tree Risk Assessment Qualification (TRAQ)

Where: Lincolnwood Training Center

When: September 22 – 24

Arborist Certification Workshop

Where: Downers Grove Public Works Department

When: September 15th (6:30pm – 9:00pm)

* Runs 10 consecutive weeks

Arborist Certification Workshop

Where: Illinois State University, Normal, Illinois

When: October 11th (9:00am – 1:00pm)

* Runs 10 consecutive weeks

IAA Annual Conference & Trade Show

Where: Holiday Inn Convention Center, Tinley Park, Illinois

When: October 21 – 22 (all day)

* An additional day of training is available on Monday

Arborist Certification Exam

Where: Illinois State University, Normal, Illinois

When: November 15th (9:00am)

Arborist Certification Exam

Where: Downers Grove Public Works Department

When: November 17th (6:00pm)

Get TRAQ Certified Today!

TRAQ is an ISA qualification program that trains arborists how to use the methodologies outlined in the ISA Best Management Practices for Tree Risk Assessment. This qualification promotes the safety of people and property by providing a standardized and systematic process for assessing tree risk. The results of a tree risk assessment can provide tree owners and risk managers with the information to make informed decisions to enhance tree benefits, health, and longevity.

Obtaining the Tree Risk Assessment Qualification

The qualification consists of a 2-day educational course followed by a ½ day assessment that includes both a written and field component. It is required that you attend the course and successfully complete the assessment in order to receive this qualification.

Course Content

The course content includes Levels of Assessment, Target Assessment, Site Assessment, Tree Biology and Mechanics, Tree Inspection and Assessment, Data Analysis and Risk Categorization, Mitigation, and Reporting.

Qualification Period

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

TRAQ Fees

For events that are co-hosted by ISA and a local Chapter or Associate Organization, the participant fees are:

ISA Member \$625

Non ISA Member \$750

Exam Retake \$150

Need CEUs?

Check out our website for opportunities.

www.illinoisarborist.org

2014
NOV. 13-15

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KNOW WHAT HIT THEM.

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**HARTFORD, CT
NOV. 13-15, 2014**

Pre-conference
Wednesday, Nov. 12

REGISTER TODAY!

800-733-2622

EXPO.TCIA.ORG

Mac Swan and Eric Whipple, CTSP, are two of the expert instructors you'll find at TCI EXPO this year! Catch their SRT tree demo on Saturday, Nov. 15 - FREE with your trade show admission!

NO EXCUSES.

The World's Largest Tree Care Show and Conference

Join the IAA Certified Arborist Online Directory

Spring...the birds start singing, the trees leaf out, and the Illinois Arborist Association's phone starts ringing with residents concerned about their trees. We refer them to the IAA website to locate a certified arborist within their area and always suggest that they ask to speak to someone on staff that is certified and to call more than one company.

If you are a company that employs certified arborists, please fill out the form below, and fax it to April Toney at the IAA Office (262) 857-6677 to get your company listed on the IAA website.

If you are already listed on the IAA Online Directory, please periodically check your listing and inform the IAA of any updates.

If you have any questions, give April a call @ 877-617-8887.

☐ Yes, I would like to add my company to the IAA Certified Arborist for Hire Online Directory

Company Name _____

Street Address _____

City, State, Zip _____

Phone Number _____

Fax Number _____

E-mail Address _____

Website _____

Names of Certified Arborists _____

Certification Numbers _____

ISA Numbers _____

Customers often want to know which companies will perform a specific service. Please select the categories that apply to help specific audiences such as homeowners, municipalities or contactors.

☐ Tree Pruning

☐ Tree Planting and Moving

☐ Tree Fertilization

☐ Tree and Stump Removal

☐ Cable, Bracing, and Lightning Protection

☐ Insect and Disease Diagnosis and Control

☐ Consulting and Appraisal

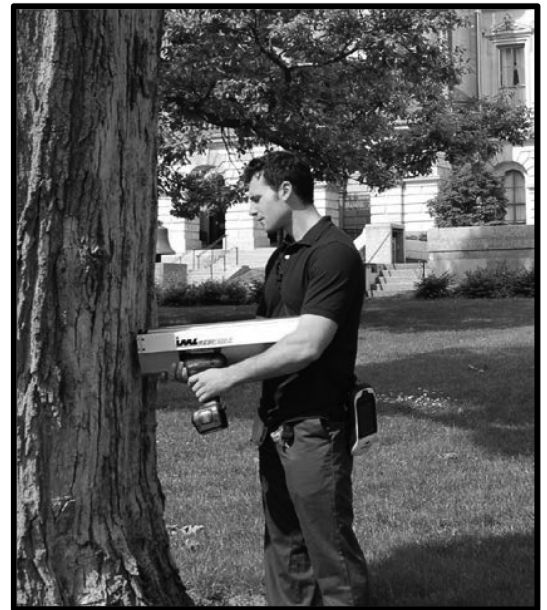
☐ All of the Above

Risk is about uncertainty...

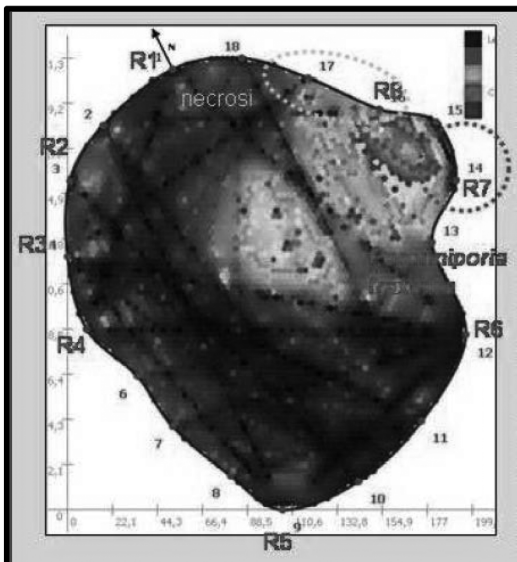


Natural Path Urban Forestry Consultants specializes in tree risk assessments and management. Are you uncertain of the structural integrity of a client's tree or a tree in a public space? Natural Path can work with you to inform the decision process to reduce uncertainty.

- ISA Board Certified Master Arborist
- ISA Tree Risk Assessment Qualification
- Tree Risk Assessments
- State of the Art Diagnostic Equipment
- Resistograph (Digital) and PICUS Tomograph
- Tree Risk Assessment Training
- Defensible Reports
- Tree Risk Policy Development
- Expert Witness



Capitol grounds in Springfield.



Tomograph cross section display

Risk assessment is our feature service for this issue of the IAA newsletter. Contact us to learn more about the range of services available. Schedule an on-site demonstration of the PICUS Tomograph. ISA CEUS available.

naturalpathforestry@gmail.com • (773) 699-7284
naturalpathforestry.com

Illinois Trees



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