



MEMBERNEWS

Improving San Diego's quality of life through proper tree care.

JULY 2020

27537 Commerce Center Drive, #107 | Temecula, CA 92590

PTCA SUMMER TREE WALK SERIES

Last Opportunity! PTCA Summer Self-Guided Tree Survey

This program will be mentored by Dan Simpson. ISA-CA #0571 and PTCA Education Committee Chair.

The COVID-19 crisis forced the PTCA to make many changes in daily routines, especially those activities with educational components. The purpose of these self-directed tree walks for the summer of 2020 was to encourage people to get out on their own and apply their own knowledge to develop skills for their arboriculture career. It was also to provide an opportunity to earn CEU's. I had planned to send the tree survey results to Dr. Ritter in support of an urban forestry project.

The exercise opportunity was to use your tree guy skills for identifying tree species and estimating tree sizes like diameter, height and canopy spread. The trees general health condition assessment was to be based on density of leaf canopy, color and size of foliage. Anyone who works with trees would have enough ability to conduct this type of basic survey.

Unfortunately, since June, I have received no contact, inquiries, input or results from any tree survey by anyone. This is a shame. It appears that there is not enough interest to make these activities worthwhile. This month will be my last attempt to organize a tree walk activity. The responsibility for conducting future tree walks will be handled by someone else. Let the PTCA Board know if you are interested.

Self-Guided Tree Walk Instructions

Tools necessary: clipboard, pencil, data sheet to complete, measure tape, camera phone.

Choose a park and provide the name and address.

Using the data form provided, record the following data:

Tree species: Try to use three visible traits to confirm. This process will promote discussion.

Common name: Most widely used in our region

Measurements: Measure the trunk diameter at 54 inches (4.5 ft) above ground. Diameter is side to side. Circumference is all the way around. Radius is center to outer edge. Estimate diameter in 6-inch increments. For example, if over 6 inches and less than 12 inches, record as 6 – 12 inches.

Overall tree height: Estimate within 5 feet; use person of known height and count increments on tape.

Canopy spread: Within 5 feet; pace this one out from trunk of tree.

Tree Condition: Based on a visual tree assessment. Foliage size and color? Density of canopy? Any decay seen? Broken limbs in the canopy? Any health disorders? i.e. Anthracnose, Fireblight, etc or other questionable traits observed.

Specify trees you suggest get a follow-up inspection. Please indicate any markers placed to identify significant trees of historic, heritage, or memorial nature.

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PTCA GENERAL MEETINGS

Update on Status of Fall PTCA General Meetings

For those who regularly attend our monthly General Meetings, you know how the COVID situation scrambled our plans for several months. We had to cancel several of our Spring meetings, either postponing or cancelling our scheduled speakers. Several of the topics were seasonal, so a simple postponement or monthly swap of topics does not really work.

I am not yet sure how many of our previously scheduled speakers will be willing to resume a speaking schedule this Fall. I would truly like to list the topics and speakers for our fall meetings, but that will need to wait until we see what the future holds.

Any meetings and gatherings will be based on compliance with the public safety restrictions in place at that time. Please be patient. We may need to make

changes to our usual meeting schedule and location.

We should also remember that change is happening on a constant basis and not just with the COVID crisis. Change is a part of life. Our summer seminar is an example of adapting to meet the challenge. We can adjust to new situations and obstacles if we do so with a well thought out plan. That sort of proactive focus is always better than a quick frantic response.

As soon as I can establish topics and speakers, I will get the information placed on the website and on the postcard mailers. Please watch the PTCA website for any updates on meetings, potential workshops, and alternative activities.

Be patient and if you have any suggestions, please send me an email at dsimpson.tree01@gmail.com.

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For membership applications
Please make request via e-mail
at ptca@epicentermgmt.us

About the PTCA of San Diego

OUR MISSION is to improve our community's quality of life by making our urban forest safer and more beautiful through education and proper tree care.



.....
EDUCATIONAL MEETINGS are held on the first Tuesday of each month. During the summer months, arboricultural tours ("Tree Walks") are featured throughout San Diego County.

We are in the process of selecting a new meeting location. Until a permanent venue has been chosen, we will meet at Filippi's Pizza Grotto (Scripps Ranch), located at 9969 Mira Mesa Blvd, San Diego.

The cost to attend general meetings is \$25 for members, \$30 for non-members. Summer Tree Walks are free of charge.

Information for upcoming meetings is available at our website at www.ptcasandiego.org, and in our monthly newsletter.

CEUs are available!

.....
PTCA ANNUAL SEMINAR & FIELD DAY is held every August, featuring industry experts bringing the latest research and information to San Diego's historic Balboa Park. Cosponsored by the Professional Tree Care Association of San Diego and City of San Diego Parks and Recreation Department, this is your best local opportunity to get information or training in your field of tree care.

Have an event for our calendar?

Submit it to:

kathleen@epicentermgmt.us

Interested in Advertising?

Please Contact:

heather@epicentermgmt.us

VISIT US ON THE WEB!
ptcaosd.wildapricot.org

2020 Vision of Arboriculture: Now Online



The Professional Tree Care Association and the City of San Diego Park and Recreation Department are co-sponsoring the

2020 VISION OF ARBORICULTURE

August 21, 2020

PRESENTED VIA ZOOM

COVID 19 UPDATE - After careful consideration and several weeks of discussions with the City of San Diego, PTCA Board and Seminar Committee, PTCA has decided to forgo our seminar and field day for 2020. We are already permitted at the Balboa Park Club for August 20 and 21, 2021. We will be back stronger than ever next year. In the meantime, we have put together a condensed online version of our educational program. We are excited about the prospects of reaching so many Arborists in San Diego in this new format during these unprecedented times. Please join us on August 21st for a 2020 Vision of Arboriculture with presentations by Dr. Matt Ritter, Dr. Mark Hoddle, Scott Paul (Taylor Guitars) and Dr. John Ball.

- 9:00 Welcome and Introductions
- 9:15 KEYNOTE: Climate-ready trees: Predicting urban forest responses to climate-change, Dr. Matt Ritter, Cal Poly SLO
- 10:30 Morning Break
- 10:40 Update on the current efforts with South American Palm Weevil: Mark Hoddle, University of California at Riverside
- 11:40 PTCA Awards Presentation
- 11:50 Mid-day Break (Vendor Opportunity)
- 12:10 Sustain and sustainability: Why a Guitar Company's 100 year plan includes urban wood.: Scott Paul, Taylor Guitars
- 1:10 Afternoon Break
- 1:20 Arborist Safety A to Z: John Ball, University of South Dakota
- 2:30 Adjourn

Event Costs

PTCA Member-\$60.00/Non-Member - \$75.00

Continuing Education Units for: ISA:

4.0 Arborists and Tree Workers
DPR: PCA, QAC, and QAL & TCIA: Certified Tree Care Safety Professionals Applied for

Registration Information

Please fill out and Mail or email the form below with your check or payment information to the PTCA by August 5, 2020. For more detailed information see the PTCA website at www.ptcasandiego.org Questions? Call (714) 639-6516 or email ptca@epicentermgmt.us

Business/Organization: _____ Contact Person: _____

Address: _____ City _____ State ____ Zip _____

Best Contact Phone: _____ Email: _____

Attendee Name/Email:

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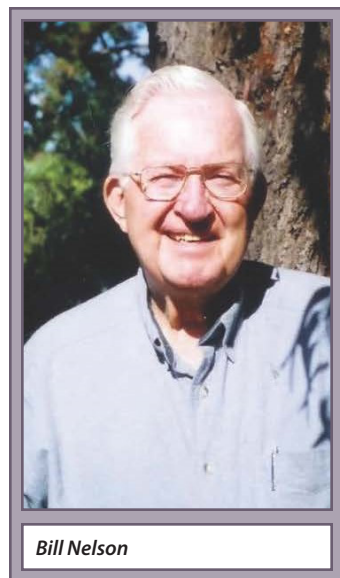
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Email: ptca@epicentermgmt.us Fax: 714.639.6746

Online registration - www.ptcasandiego.org Online registration may be subject to a transaction fee

All registered attendees will receive a confirmation email (receipt) and a separate email with a link to the Zoom Webinar. An email reminder will be sent via zoom the day prior to the event.

Bill Nelson, Arboriculture Legend of San Diego



San Diego county has been home for many generations of dedicated tree professionals. One of our local legends of arboriculture is Bill Nelson. If the name is not immediately familiar, think Pacific Tree Farms. Bill was the founder, nurseryman, and elder arborist of this popular nursery. His goal was to grow a great variety of trees for tree enthusiasts.

Bill did not start out in the green industry. He originally spent two decades as an optometrist in Chula Vista. His second career was due to a project he started to grow and donate tree seedlings for local fourth graders.

This was to enrich their appreciation for nature. That humble beginning lead to his 36-year career with trees and the founding of a nursery that became a frequent source of unusual trees for those who wanted more than standard tree species. Bill was an arborist and a nurseryman with a very generous side. Not only did he donate trees for many community projects but he also helped design the world class conifer collection at the San Diego Zoo Safari Park. Those of us who visited there during a tree walk in 2017 certainly saw how those conifers had grown over the years. I can personally attest to his propagation skills since I dealt with quite a number of tree species that he provided to the San Diego Zoo. I even recall one visit to the nursery when he showed me the *Ficus lutea* he was propagating from leaf cuttings. The mid rib of the big thick leaves had begun growing an apical meristem. Wow!

The following is Bill Nelson's own account of the path he followed to become the local legend we all know. Thank you, Bill, for producing this narrative on your history and experiences as you began your work life and journey to the field of horticulture. This account is from when he received the 2007 Horticulturist of the Year award from the San Diego Horticulture Society.

Bill Nelson had an interesting childhood. Born in Livingston, Montana, he began working at an early age delivering papers and mowing lawns when the snow shovels were put away. Then came work at a grocery store, egg candling, and a couple of summers spent as a ranch hand. Two more summers found him in Yellowstone Park on a road crew and in a service station pumping gas.

His grandparents, Chris and Effie Teters, gave Bill a loving home and served as good examples and role models. Concerned that he might spend his life trout fishing and trapping muskrats, they sent him to Kemper Military in Missouri for the last two years of high school. It was a good decision and broadened Bill's outlook a great deal.

With the aim of saving for college, he worked for the

Northern Pacific Railway for a year on the Bridges and Building crew. Repairing bridges over a frozen river at ten degrees below zero convinced him that his college goal was sound.

The next six years were spent at Pacific University in Oregon, where he graduated with a Doctor of Optometry degree. During that time, he worked at many jobs, but the best one of all was in the university cafeteria where he met his future wife, Louise. They married in 1952 and soon moved to San Diego. Bill practiced optometry for twenty-five years in Chula Vista, where they raised two sons, Geoffrey and David. Active in many community groups, Bill came up with an idea that would change his and his family's life.

Bill felt the need to enhance the appreciation of life and nature for children. He planned a project to give tree seedlings to the fourth graders in Chula Vista. With the help and support of the Boy Scouts and the Kiwanis Club, 2,000 pine seedlings were distributed. Many of the trees thrived and it was a great moment for Bill when he received many letters from the children describing their tree, which often contained drawings and the name given to it.

For some time, the Nelson family had been using live conifers for their Christmas trees. Finding different species proved to be a problem, so Bill reasoned that a nursery offering a wide range of container-grown trees would meet a need. Thus was born the idea for Nelson's Pine Patch. How many of us remember that name? The venture was moderately successful, but along the way they learned why many species were not good candidates for living Yule trees – only a mother could love some of them.

A number of other fruit and flowering trees began to pique Bill's interest. Bill and Louise bought more land and changed the name to Pacific Tree Farms. He propagated and brought in many rare and unusual species. Before long, they began to ship trees throughout the U.S. and around the world.

Thanks to suggestions from Louise, early on Bill began to use insect control methods that did not include pesticides. With the help of other nurseries, Bill was able to raise funds for a University of California program to release tiny wasps to control a serious outbreak of pine tip moth. The plan was very successful and was the forerunner of many other predator releases at Pacific Tree Farms.

A pleasant memory for Bill was the time when an inspector from the Department of Agriculture came to the nursery looking for tip moth. He found a damaged tip on a pine tree and announced that the entire crop of several thousand trees would have to be sprayed. Bill broke off the dead tip and out flew a wasp: no spraying was required and Bill silently thanked Glenn Scriven, the U.C. researcher in charge of the state project. What a great example of early IPM!

Another problem during the early days of the nursery was watering the trees and plants correctly. Overhead irrigation was wasteful and caused erosion. Various emitters and

systems were tried, but all had serious defects. One night, Bill came in voicing his frustration with watering problems. Louise suggested that he design a better one. When Bill asked what she had in mind, she replied, "Oh, some sort of a ring with holes in it." Later, Bill thought about her idea and said to himself, "By golly, she has it!" Shortly after, he began making the Trickle Flow Rings. They were rings made from small diameter plastic tubes which were perforated in several places with a belt punch. They were very effective and several other nurseries adopted the idea.

In the late 70's the nursery's inventory and sales were increasing well and it gave Bill a chance to share some of the trees. He donated hundreds to parks, schools and camps. Working with Jim Gibbons, the horticulturist at what was then the Wild Animal Park, Bill helped design the Nicholas T. Mirov World Conifer Collection. This section of the Park is now well-established and is probably the finest mild-climate conifer forest in the world.

One area which Bill felt needed more emphasis was the matter of drainage for trees and plants. His lectures usually included some mention of this vital aspect of cultivation. Work done at Purdue University and the University of California helped him to produce an instruction sheet on transplanting and drainage correction. In 1991 Bill became a Certified Arborist. Since then, he has made several hundred tree reports and appraisals. Sometimes, these matters ended up in litigation, where he served as an expert witness. Of his experiences in court, Bill said, "We didn't win them all, but the challenges were great and I developed a real appreciation for our legal system."

Early in 2006, Bill decided to retire. One future plan for retirement included growing conifers for the fire victims near Julian. He accomplished that by producing many seedlings of a few native species. Those free trees were enthusiastically received by Julian residents when Bill delivered them to the distribution event. He went to personal expense and effort to provide this public benefit. As noted, he has a history and reputation of being a very generous person. He also has planned to help develop an arboretum and botanic garden in Montana. Bill has said that his 36 years as a nurseryman and arborist have been very enjoyable. He thanks the many people in horticulture who have given him advice and inspiration.

Our PTCA records are a bit scrambled but after some discussion, the consensus is that Bill was a PTCA member for at least 10

years. Kurt Peacock is a PTCA member who worked with Bill for many years. He remembers some of the other innovations Bill created from specialized pathogen free soil mixes to refining fertilizer injection. Kurt considers Bill to be the single most important teacher and mentor of his career to date. In addition to all of the trees he raised and donated for community projects, part of Bill's legacy is the mentoring he provided to some of our colleagues like Kurt Peacock and Tom del Hotal. If you ever have the chance to talk with them about Bill's influence, I am sure they have some fine memories to share.

I hope some of our members will find this biography to be a source of inspiration. I plan to continue to tell the stories that will celebrate some of our elders in the local tree trade.

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The Fisherman's Friend, *Catalpa speciosa*

For August, our tree of the month selection, *Catalpa speciosa*, is not a widely planted tree species for our area but it is worth thinking about since it provides more than shade during sunny summer days. I have seen them in several locations around the county but usually in an arboretum or in rural settings that offer room to grow. The *Catalpa speciosa*, often just called *Catalpa*, has several common names which seem to vary based on where it is growing. So Northern Catalpa, Western Catalpa, or Hardy Catalpa could be correct just about anywhere, although it is native to the central United States. It is a member of the large Bignoniaceae family, which has a tropical to subtropical range. You will notice shared traits among the other bignonia tree species like Jacaranda, Kigelia, Tecoma, and Spathodea. Plus this family has a number of large woody vine species, referred to as Trumpet creepers. Most of these vine species produce colorful masses of trumpet shaped flowers and grow well in our area.

Our Western Catalpa produces large apical panicles of white trumpet shaped flowers that have a splash of yellow and purple streaks on the lower lip of each individual blossom. These flowers are

about two inches wide and appear in late spring to early fall. The large heart-shaped leaves of a medium green color are quite large and can be up to a foot in size. The flowers are followed by long bean like fruit that can be over a foot long and contain papery seeds that are usually distributed by the wind after the pod matures and dries before it splits. These long bean like seed pods have sometimes led to a common name of cigar bean tree. The bark is not smooth and is a medium gray with mild furrows to a slightly scaly texture.

Catalpas have soft brown wood often used for carving.

Some of you might remember the shortage of toilet paper at the beginning of the COVID crisis. Dr Ritter provided a list of urban tree foliage that could be useful as substitute material. In my early years I heard lots of old guys tell me about trees when they were young. One story was about how the outhouses all had a Catalpa tree planted next to it. It seems these trees were a safeguard against future shortages. Also it seems there is a notable difference between the *C. speciosa*, our Western Catalpa, and the *C. bignonioides*, Common Catalpa. Our Western Catalpa does not have fragrant

leaves like the Common Catalpa. When I think of all the times I heard how this was planted next to outhouses in the southeast part of the United States, I can't help but wonder if this was an inspiration for scented toilet paper.

A few other notes on this species are : the wood is often used for carving and it is a significant host for the caterpillars or larvae of the Ca-

talpa spinx moth. These larvae can get so severe they will defoliate a tree. On a more positive note these caterpillars are fantastic fish bait. They are known to be irresistible to catfish. Folks are advised to get permission before they attempt to harvest them since the larvae laden tree may be owned by an avid fisherman. The old guys always called them Catawba worms and swore they could quickly fill their stringer with catfish if they had enough of this bait.

As a shade tree, *C. speciosa* has a broad spreading shape that ranges from 20 to 40 feet wide with a height of 40 to 60 feet. The California Big Tree Register lists our biggest *Catalpa speciosa* as being in San Jose. It is 46 feet tall with a crown spread of 50 feet and a trunk circumference of 49 inches. With a quick calculation that shows as only about a 15 inch diameter. Despite the fast growth rate from 24 – 36 inches annually, this species has a life span of 40 to 150 years. This is always dependent of site conditions. Taking all of this into consideration someone should be able to find a bigger specimen and get it documented for submittal to the big tree register.

As an ornamental they have good value for a larger landscape with room for canopy and root spread. These specimens will drop some litter, usually its their large leaves, spent pods and small twigs. As far as disorders they have some susceptibility to powdery mildew, verticillium, anthracnose. I have not heard about any damage from the Invasive Shot Hole Borers so if you find them invading any Catalpa's please let me know so I can add it to a host list.

So if you want to prepare for retirement activities like whittling and wood carving as well as raising your own fish bait and sitting in the shade, I suggest that you find room for a catalpa tree and get one growing so it provides for any future personal needs.

As always you can find tree images and additional information on the select-tree website at <https://selecttree.calpoly.edu/tree-detail/catalpa-speciosa>.





WESTERN CHAPTER ISA MONTHLY WEB SERIES

1st Wednesday of each month May through December

- August 5** Utility Vegetation Management in our time of the New Normal
Vince Mikulanis, Davey Resource Group, Inc., San Diego, CA
- September 2** Take it all off? [The bare-root way to plant trees]
Linda Chalker-Scott, PhD, Editor, *Western Arborist*, Washington State University, Puyallup, WA
- October 7** Weeds and soils: common weeds as indications of (equally common) soil problems, and some ideas for non-chemical management techniques
Igor Lacan, Ph.D., UCCE, Half Moon Bay, CA
- November 4** Proper Pruning
James Downer, Ph.D., UCCE Ventura, Ventura, CA
- December 2** Field Soil Testing for Arborists
Tracey Takeuchi, Agricultural Advisor, Norco, CA



DETAILS:

1. All sessions are scheduled from 11:00AM -12:30PM. 1 hour of instruction / .5 hour for Q & A
2. You must register to attend the sessions.
3. All registered attendees will receive a confirmation email (receipt) and a separate email with a link to the Zoom Webinar. An email reminder will be sent via zoom the morning of the session.
4. 1 Continuing Education Unit (CEU) will be given for live presentation only.
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Social Needs and Necessary Nature Connections

During Our Current COVID crisis many of us may be feeling a lack of connection with our social circles. We may not realize the diversity of the elements within our social circles. Our circles contain more than just people. Thank goodness, it appears that others have identified a solution and shared it. Become a Tree Hugger.

Yes, it appears from news reports around the world that several countries have launched a campaign to embrace trees. The simple act of hugging a tree seems to satisfy a basic need to connect. When we connect with nature, we are actively engaging with some of our primal connections to the natural world. The author Richard Louv wrote a book titled "The Last Child In The Woods" which brought attention to the nature deficit among our children. This one book launched a very successful global movement to connect children to nature. Parents, teachers and health care professional have all recognized the value of the natural world for health and well-being.

Those of us who are true tree people have always felt a connection to the world of nature. We watch birds that are flying and chirping in the trees. We feel how the trees shade us and cool the air. We listen to the wind as it moves through a canopy and makes the leaves flutter and murmur. If we pause, we can hear the different voices and sounds of nature. There is a sense of calm when our senses experience these things. Those of us who have climbed or rested in the shaded canopy of a tree know these things intuitively. We feel those things every day. Now we ponder why it has taken others so long to

lockdown and have a longing for intimate social contact, there is a simple solution. Hug a tree! Take a pause for the cause and hug a tree. Relax and try to feel the energy of nature. This should not be a quick grasp. A long slow hug with a tree? It may be just what some of us need to re-connect with nature and restore our sense of social belonging. This simple act may work wonders for our emotional

well-being in these confusing times. Mask up, find a tree and reach out! As Dr. Shigo used to say, "Touch Trees!"

P.S. Here is an interesting bit of history on tree huggers that I found on the internet. The term "tree hugger" was first used in the year 1730. Back then 294 men and 69 women of the Bishnoi branch of Hinduism physically hugged the trees in their village. This was to prevent the trees being cut down and used to build a palace. Those tree huggers were killed by the foresters who were cutting down the trees. The loss of life resulted in a royal decree that prohibited cutting down trees in Bishnoi villages. Those heroic villagers inspired another similar action in 1974 by a group of peasant women in India. Those women hugged trees as a physical barrier to protect them from being felled. This practice became referred to as "tree satyagraha" and spread throughout India later becoming the Chipko (meaning "to cling") movement. The protective action led to deforestation reforms and benefitted trees throughout the Himalayan region.

Source:

http://www.alternet.org/story/153703/the_fascinating_history_of_'tree_huggers'; The history of tree-hugging, and the future of name-calling



WEIRD TREE FACTS!

Teeth-Brushing with Trees

Traditionally, slender tree twigs (called datun) are first chewed as a toothbrush and then split as a tongue cleaner. This practise has been in use in Pakistan, Africa, and the Middle East for centuries.

In India, the Dahlbergia sisoo, aka Indian Rosewood or sheesham, have been used in Siddha medicine system for skin disorders and stomach related issues.

Many of India's 80% rural population still start their day with the teeth cleaning twig either with *Salvadora persica* or *Azadirachta indica*. In other parts of the world sheesham twigs are still collected and sold in markets for this use in rural areas.

discover that wonder we get to feel during our daily tasks.

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INDUSTRY UPDATES

TCIA Virtual Summit: January 13 - 15, 2021

The Tree Care Industry Association (TCIA) is going above and beyond to utilize the virtual realm and create an experience for you like no other! With more than 82 years representing the tree care industry, we are uniquely qualified to help you navigate this ever-changing world.

We recognize that many of our members cannot make in-person workshops or events due to travel, cost, or timing. And yet – education and networking are critical components of your business. We are confident that the TCI Virtual Summit will give you access to the quality resources that you expect and need from us.

Here's some of what you can expect:

- **EDUCATION** - Participate in sessions led by the best speakers in the industry, from literally anywhere in the world. In real-time or on your time. CEUs will be available!

- **EXHIBITS** - Our virtual exhibits, from equipment to service providers, are designed to bring your skills and business to the next level.
- **CONNECTIONS** - Engage with other like-minded individuals, compare notes, meet-up, and talk about the business of trees! We will be using our TCIA Mobile App to compliment the TCI Virtual Summit and keep the important conversations going even after the show ends.

And, of course, TCIA will bring fun and excitement with competitions, prizes, and hang-outs.

Use the sign-up form on the TCIA Website at summit.tcia.org; we will make sure that you get all of the latest news and information as we grow our conference daily.

We can't wait to see you at TCI Virtual Summit 2021, January 13 – 15!

INDUSTRY UPDATES

TREE Fund Free Webinar Series

The TREE Fund is proud to partner with the Alabama Cooperative Extension System to bring you free education offerings. Mark your calendars for these upcoming free webinars from TREE Fund:

Soil Assessment for Urban Trees: Part 2 Action Plans

Tuesday, September 29, 12 p.m. Central
Bryant C. Scharenbroch, PhD
University of Wisconsin – Stevens Point

Measuring Multi-stemmed Trees

Tuesday, October 13 at 12 p.m. Central
Yasha A. S. Magarik
Yale School of Forestry and Environmental Studies
Lara Roman, PhD
USDA Forest Service, Philadelphia Field Station,
Northern Research Station

TREE Fund's 1-hour webinars are free and offer 1.0 CEU credit for live broadcasts from the International Society of Arboriculture, the Society of American Foresters, the National Association of Landscape Professionals and sometimes the Landscape Architecture Continuing Education System. Registration information becomes available on our website approximately one month before webinar date. Missed a webinar? Watch it anytime on our webinar archive page

INDUSTRY UPDATES

Improve Your Pruning Skills with the BMP – Utility Pruning of Trees

ISA offers a variety of educational materials to help arborists improve their arboricultural knowledge. Each week we will feature a product, or group of products that will enhance your arboriculture education. This week, ISA is featuring Best Management Practices (BMP) - Utility Pruning of Trees by Geoffrey P. Kempter.

This resource can assist utility arborists in enhancing their pruning abilities by describing current best practices in utility tree pruning based on scientific research and proven methodology for the safe and reliable delivery of utility services, while preventing unnecessary injury to trees to the greatest extent possible.

The BMP – Utility Pruning of Trees covers topics that include utility pruning safety, tools and equipment, pruning methods and practices, pruning in remote and rural environments, emergency service restoration and much more.

Check out this publication and more at the ISA Store: www.isa-arbor.com.



WESTERN CHAPTER
INTERNATIONAL SOCIETY OF ARBORICULTURE

New Dates! NOVEMBER 9-12, 2020

Reach your Highest Peak
86th Annual Conference & Trade Show
More details coming soon
Resort at Squaw Creek
Olympic Valley, CA
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ISA ANNUAL INTERNATIONAL CONFERENCE & TRADE SHOW 15-17 DECEMBER 2020



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INDUSTRY UPDATES

IPM for Tree Pests and Diseases

Live Webinar

July 30, at 1.30 p.m - 3.00 p.m.(Pacific Time)
1.5 CEU, CREDIT - ISA AND CDPR (for live event only)
1.5 CEU CREDIT - APLD, PGMS, NALP QWEL
IA CEU CREDIT - .375
\$35.00

Dawn Fluharty currently serves as a Regional Technical Manager for Arborjet, of Woburn, MA, and an ISA national member. In her current role, Dawn provides training and support to arborists, foresters, municipalities and industry leaders, who are evaluating treatment options for tree pests & diseases across the northwestern United States.

Dawn will start the webinar with a brief introduction to what Integrated Pest Management entails as defined by the Department of Pesticides Regulations.

She will review the different technologies used to treat trees including Canopy Spray, Bark Spray, Soil Injection, Soil Drench, Trunk Injection, and Removal and will then discuss the pros and cons of each technology

Treatment plans for the following common trees pests and disease in the area will be reviewed and worked through: Scale, Aphids, Mites, Whitefly, Thrips, Anthracnose, Fire blight, Sawfly, Caterpillars, Powdery Mildew, Phytophthora.

Dawn will review and work through treatment plans for invasive pests and disease in or potentially coming to the area: Pine Bark Beetles, South American Palm Weevil, Invasive Shot Hole Borer.

There will be an introduction to plant growth regulators and how they work and expected results for: Growth reduction, drought resistance, root development and disease resistance.

Label review of application methods, dosing and PPE after which there will be a review of best treatment practices.

Reviewing how to read chemical labels, knowing PPE and proper maintenance and cleaning of equipment

Review of what makes a tree healthy and less susceptible to pests & diseases, water requirements, nutrient needs, sun/light, air quality.

Lastly, review of water management tools designed for trees.

Please note if you wish to obtain your ISA AND DPR CEU Credit, you must complete this live class in its entirety and be expected to answer a quiz.

You can register for this webinar through the Landscape Expo Academy. Visit their website for more details at: www.landscapeexpo.com.

www.isa-arbor.com/conference