



STREET TREE SEMINAR, INC.

Your Los Angeles/Orange Regional Urban Forest Council
P.O. Box 6415
Anaheim, CA 92816-6415



SAVE THE DATE:
September 17, 2015
PSHB Update w/ John Kabashima
 UCI- Calit2 Building Room 3008
 4100 Calit2 Building
 Irvine, CA 92697

2015 MEETING SCHEDULE

Sept. 17	PSHB with John Kabashima	University of California, Irvine Irvine, CA
Dec. 17	Annual Scholarship Awards & Officer Installation	Kellogg West Conference Center Pomona, CA
February 3	WTMS - Winter Program	Rothenberg Hall Huntington Library and Gardens

Interested in hosting a program in your community? We are interested in hearing from you!
Contact heather@streettreseminar.com

MISSION STATEMENT

"To promote the advancement of urban forestry and provide a forum for tree care professionals to share their experiences, knowledge, and expertise for the benefit of the membership and the enhancement of Southern California's community forests."

VISION STATEMENT

"To enhance the health and beauty of Southern California cities by improving the quality of our community forests."

Remember to email Ann Hope at ann@mauget.com with your reservation



STREET TREE SEMINAR, INC. - Your Los Angeles/Orange Regional Urban Forest Council

STS Newsletter

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WTMS Summer Program: The Human Side of the Urban Forest—Ann Hope

This was a great meeting with a full line up of great speakers and presentations.

Our first speaker, Dr. Kathleen Wolf from the University of Washington, presented on the health benefits that the Urban Forest provides for us. Dr. Wolf presented several studies detailing how having a nice Urban forest can help reduce fatigue, anxiety and reduce our stress levels.

Our next speaker was Frank McDonough from the L.A. Arboretum, who provided us with an overall review of the health and care of the trees at the Arboretum. After the discovery of PSHB in the Arboretum, they found that there had been at least 800-900 trees affected by this infestation, and many trees died. He also discussed the water management and transformation of the Arboretum. They have made several changes to reduce water consumption. The canopies have all been pruned up and mulch has been laid in the entire Arboretum to reduce not only water consumption, but as chemical weed control.

Jorge Ochoa from the Long Beach City College provided a Back to the Past presentation. This informative talk presented a view of previous tree care practices, several which were very abusive to the trees, and the poor pruning practices of days gone by. Jorge's presentation was funny and sad at the same time. Jorge showed us the difference between poor or no care for trees, to the standard we have today for maintaining and properly pruning trees.



Dr. Kathleen Wolf gave a great presentation on the benefits as related to trees can public health

Elizabeth Skrzat from the Center for Urban Forestry Research, provided us with an update of current college research projects in the Southern California area. One being the studies at Claremont Graduate University, Climate Change and the Change in trees, due to the weather.

Dr. Vivek Shandas from Portland State University, spoke about the Culture to Cost of Trees. He talked about how different cultures and their beliefs of trees and symbols they stand for shape the care of trees. He went on to explain how some trees are planted for health benefits and other for diseases. If you would like more information on this subject you can visit www.treesandhealth.org.

Our last speaker of the day was Donald Hodel from UC Cooperative Extension, Los Angeles County. He spoke about Art and Trees. He also had a very interesting presentation on the water use in the landscape. The landscape use of water is only 9% of the total water usage in the state. I was surprised at the 9% total landscape usage, as I would have thought it was more. Of the 9%, 7% is use in agricultural industry. It would seem that I'm not the only one to think this as we are being asked by the State government to reduce our landscape watering. We have been asked to remove our lawns and replace with artificial turf, which has its own problems.



It was a great day. We all came away with information that was beneficial to the communities we work in.

For links to available speaker handouts, visit our website: www.streettreseminar.com

Notes from our June 2015 Meeting

STS 2015 Golf Tournament was held at DeBell Golf Course in Burbank, CA

Past Presidents in attendance were: Wayne Smith

Prizes were donated by: Roy Boak, Wayne Smith, West Coast Arborists, Valley Crest, Landscape Consultants

Raffle Winners: Joe Oerum, Brandon Smith, Lee King, Heather Crippen, Brian Hannick, Noah Oerum, Mike Montoya, Greg Magallanes

Next Meeting: Please join us September 17th for a PSHB Update with John Kabashima.

Visit our website for more information or to register. www.streettreeseminar.com

Damage from Drought Can Kill Trees a Decade Later

It's obvious drought can kill trees. But a new Duke University study of nearly 29,000 trees at two research forests in North Carolina reveals it's not always a swift or predictable end.

This is the first research to show that declines in tree growth during a drought can significantly reduce long-term tree survival in Southeastern forests for up to a decade after the drought ends," said Aaron Berdanier, a Ph.D. student in forest ecology at Duke's Nicholas School of the Environment, who led the study

By identifying the species at highest risk and the environmental factors that shape the odds of survival, the new study may give managers better ways to recognize and reverse drought-induced declines in the region's forests before it's too late, said James S. Clark, Nicholas Professor of Environmental Science at Duke.

"Foresters and ecologists have long gauged the severity of drought from tree mortality that happens the same year. But the damage suffered during drought sets in motion a decline that can kill trees years later. This study identifies the symptoms that can mark an individual for later death," Clark said.

"As our future climate warms and droughts in the Southeast become more frequent and severe, this is going to be a major region-wide concern," Clark added.

As tree growth slows during a drought, it decreases a tree's ability to take in enough carbon to stay alive, Berdanier said. If the tree can't reverse this trend, its health progressively declines and over time it slowly dies.

These declines are more gradual and less explicit than the catastrophic die-offs that have become increasingly common after major droughts in the West and other regions, but the long-term impacts can be severe.

Berdanier said that of the trees that were affected by



This image shows a drought-induced tree death in the Southern Appalachians

drought and failed to recover, 72 percent were dead within the decade.

The findings appeared July 30 in the early online edition of the peer-reviewed journal *Ecological Applications*.

To conduct the study, Clark and Berdanier analyzed data dating back to 1993 on the annual growth rates of 28,879 individual trees from 35 species growing at the Duke University Forest in North Carolina's Piedmont, and at the Coweeta Long Term Ecological Research site in the state's western moun-

tains.

Both sites are forested primarily with mature stands of mixed conifers and hardwoods -- typical of forests found across much of the Southeast -- and both sites experienced major droughts in 2000-02, 2007 and 2010. Growth rates were determined by measuring year-to-year changes in tree trunk diameters.

"Averaged across species, we found that a tree's long-term mortality risk increases when its cumulative diameter growth falls below 54 percent of the growth of nearby trees of the same species," Clark said. "This gives scientists and forest managers a useful measure to monitor for."

Trees growing on normally wetter sites and those from drought-tolerant species -- including the wood and furniture industry staples, loblolly pine and white oak -- are better able to recover their pre-drought growth rates after a drought ends.

Thinning out competing trees from around an injured tree can reduce its risk of death.

"After a drought occurs, managers may have a couple of years to do something to prevent declines from causing a tree's death," Berdanier said. "Knowing what to do and what to look for can make a big difference.

Reprinted from materials provided by Duke University. Note: Materials may be edited for content and length.

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STS Golf Tournament— by Wayne Smith

This year's STS Golf Tournament was held in sunny Burbank at DeBell Golf Club.



Street Tree Seminar would like to thank DeBell Golf and their entire staff for hosting this year's Annual Golf Tournament and making it wonderful event. A big thank you also goes out to all the players for

coming and enjoying a great day of golf. A special thanks goes out to all of our sponsors and volunteers for making this event possible: Oakridge Landscape, T&D Electric, Foothill Soils, Tri-C Organics, Bryan Smith Landscape, Valley Crest, Roy Boak Tree Service, Epicenter Management, Landscape Consultants, WD Young, West Coast Arborists, Wayne Smith Consulting, and Four Seasons Landscape along with Heather Crippen & Christy Cuba for taking the time and volunteering.

Congratulations to this year's tournament winners:

Longest Drive: **Greg Magallanes**

Closest to the Pin: **Noah Oerum**

3rd Place winners: **Brandon Smith & Connor McPherson**

2nd place winners: **Mike Montoya, Lee King, Rob Thompson, Dave Cooper**

1st place winners: **Noah Oerum, Jeff Morrison, Joe Oerum, Wayne Smith.**



Hope to see you at next year's event!

Watering Your Trees During Drought

Save Our Water... And Our Trees!



Save Our Water
and Our Trees!
saveourwater.com/trees

Lawn trees can and must be saved during the drought.

What you can do:

1. Deeply and slowly water mature trees 1 - 2 times per month with a simple soaker hose or drip system
2. Young trees need 5 gallons of water 2 - 4 times per week.
3. Shower with a bucket and use that water for your trees long as it is free of non-biodegradable soaps or shampoos.
4. Do not over-prune trees during drought. Too much pruning and drought both stress your trees.
5. Mulch! 6 inches of mulch helps retain moisture, reducing water needs and protecting your trees.

Visit saveourwater.com/trees for more details