

Summer 2017  
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## 'Gloom' and Doom When These Insects are on Hot, Dry Red Maple Trees

By: Brad Buck

GAINESVILLE, Fla. — They are known as gloomy scales, and these insects can make a red maple tree's life downright dreary. This is because the arthropods feed and thrive on them, especially in warm and dry urban landscapes, a University of Florida Institute of Food and Agricultural Sciences researcher says.

*Melanaspis tenebricosa*, or gloomy scale insects, reproduce more, especially when the trees they live on are under the stress of heat and drought, according to new study led by UF/IFAS entomology assistant professor Adam Dale.

Dale's new research is important as residents and urban landscapers decide when and where to plant red maple trees, which are native and widely distributed in North America from Florida to Canada and whose canopy helps cool urban areas.

Dale conducted the study in Raleigh, North Carolina when he was a doctoral student at North Carolina State University. He wanted to know how the gloomy scale, an

*[Gloom continued on page 4](#)*



# A Message From the President



Dear Florida Chapter ISA Members,

Trees Florida is the place to be “Hangin Out in Natural Florida”. Our annual conference will be held at the beautiful Hammock Beach Resort in Palm Coast Florida June 5 – 7. As chair of the Education Committee, I know firsthand that this year’s speaker lineup is one not to miss. Bill Armstrong, chair of this year’s conference, along with his committee has planned an expanded trade show and scheduled

great social and networking events. If you are planning on attending and I have had the pleasure of meeting you in the past please stop and say hello. If not, please be sure to introduce yourself.

Our February and April board meetings proved to be as productive as the first. At the February board meeting it was announced that ISA International is interested in becoming involved in the process of the new Pruning Credential with intent to expand it to an international market. The purpose of this credential is to instruct those who touch trees how to prune trees according to research and industry standards. The hope is to offer this credential not only to improve tree work but to also provide a more universal program that all municipalities could use as requirements in their municipal boundaries. We had the pleasure of having Jonathan Frank occupy the “Empty Chair” at the February meeting. Jonathan shared his experience at the February Outdoor Tree School (OTS) and Florida Tree Climbing Championship (FLTCC) and described it as a great success. I too was fortunate enough to attend and couldn’t have been more pleased in how the event represented the overall skills, athleticism and sportsmanship of the climbers in our industry. I also had the opportunity to conduct a focus group meeting with several attendees and received feedback on what the Chapter can do for this division of our industry. Please consider joining us for the next OTS and FLTCC which will be held in October.

At the April board meeting, appropriately held on National Arbor Day, a Climber Committee was appointed with Carson Smith as the chair. The purpose of this committee is to address the needs of this division of our industry starting with feedback received at the focus group meeting conducted at the OTS. It was reported by chair, Dr. Ed Gilman, the Grant Committee would soon be starting the review and approval process of the second round of grant applications. The last round of grants was awarded for research including ganoderma and tree stability. Our April “Empty Chair” participant was John Burns who participated in many discussions offering positive and productive feedback. Our At Large board members are not wasting any time getting involved nor should you. Matt Anderson volunteered to be the chair of the Specialty License Plate Marketing and Revenue Committee. Initially, Matt will be focusing his efforts on the Trees Are Cool

license plate campaign. The funds from the plate represent approximately \$100,000 a year which is allocated to research and education for our members. If you don’t already have a Trees Are Cool plate, what are you waiting for? Jeremy Chancey volunteered to be the chair of the Loren Westenberg Workday. He will be organizing his committee and getting prepared for the next workday to help non-profits in need of tree care.

I, and the Florida Chapter Board of Directors, invite you to get involved and see what the Chapter has to offer. Come to a board meeting, attend Trees Florida 2017 or come out and watch our climbers at the Fall 2017 Florida Chapter TCC event. You will find board members at all events that are open to discuss your questions and ideas.

*Lori Ballard*

President, Florida Chapter ISA

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# Trees Florida 2017

## June 5 - 6 - 7, 2017



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[Gloom continued from page 1](#)

insect widely distributed around the eastern and southeastern U.S., would respond to hot, dry weather – conditions typical for urban trees. Researchers studied urban red maple trees at various temperatures around the city. Then they irrigated half the trees twice a week during the summers of 2014 and 2015.

At the end of 2015, they collected gloomy scales from each tree, measured their body size, dissected them and counted the number of eggs the insects produced, Dale said. They then looked at the relationship between the temperature in the tree’s canopy and whether the tree was irrigated. Scientists wanted to see if either factor had an effect on the insects’ body size or egg production.

The hotter and drier the trees were, the more eggs the gloomy scales produced.

“This insect is drastically more abundant on urban than rural trees throughout the southeastern U.S.,” Dale said. “It reduces the health of these trees along with the services they provide to people and the environment.”

In many ways, this native pest acts like an invasive insect when it is in urban landscapes, he said.

“This pest can severely damage and kill trees that it feeds on,” Dale said. “Plus, its favorite host tree is the most common urban landscape tree in the eastern U.S. Since the gloomy scale benefits from warming and drought — two features common to urban landscapes — and urban landscapes are rapidly expanding, there is a potential for this pest to proliferate and cause even more problems in the future.”

Urban foresters and landscape architects can use the study’s findings by selecting more appropriate trees to be planted where heat and drought stress may be likely, Dale said. The research holds practical implications for urban residents, too.

“Sites that are surrounded by more impervious surfaces — roads, parking lots, buildings and more — and thus warmer and drier, are not the most suitable sites for these trees,” Dale said. “If they are in such sites, irrigating during the warmest months to reduce drought stress can help manage these pests.”

Dale’s study is published in the online journal PLOS ONE.

Dale will continue to work on this research in Gainesville, Florida, with scientists from N.C. State and the U.S. Forest Service in Gainesville during the next few years, with funding from the U.S. Department of Agriculture. ❖

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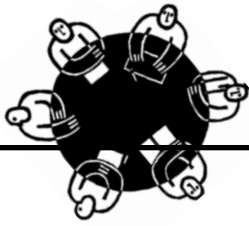


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# Florida Chapter Board Updates

## BOARD SHORTS:

### NEW CLIMBER COMMITTEE CREATED



President Lori Ballard has created a new Climber Committee to enhance the communication between the board and the climbers in the Florida Chapter; the Committee Chair is Carson Smith. If you have questions or concerns regarding subjects or events within the climber community contact Carson at [carson@oneilstreeservice.com](mailto:carson@oneilstreeservice.com)

### PATRON SPONSORSHIP



The Trees Florida 2017 Committee created a new sponsorship level for families and individuals who wish to support the Trees Florida event. [Click here for the form](#); mail, fax, or scan/email it to Florida Chapter ISA office. Patron Sponsors will be included in the conference program, PowerPoint and on thank-you signage. Remember, individuals or families only; for businesses, please consider becoming a corporate sponsor by [clicking here](#) for the corporate sponsorship form .

### CHANGE OF BOARD MEETING SCHEDULE



The November board meeting for the Florida Chapter has been rescheduled to Monday November 13, 2017 at the UF-IFAS Orange County Extension office in Orlando.



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## UF study: Cloning Insect-Fungus Duo Kills 500 Million Trees

By: Ellison Langford, University of Florida

GAINESVILLE, Fla. — Laurel wilt disease has killed as many as half-a-billion trees. And, a new study by a researcher with the University of Florida Institute of Food and Agricultural Sciences suggests it may have been spread by a single insect cloning itself.

“In biology, there is no evidence of a single strain pathogen killing so many hosts in such a short period of time,” said Jason Smith, an associate professor in the UF/IFAS School of Forest Resources and Conservation.



According to Smith, the purpose of the study was to determine the genetic diversity of the pathogen and its beetle vector, and to provide an estimate of how many trees laurel wilt has claimed.

Laurel wilt is caused by a fungal organism that latches onto the redbay ambrosia beetle. Native to Southeast Asia, the beetle transmits the disease to trees in the Lauraceae family and uses wilted trees as sites for reproduction. Members include sassafras and avocado, but the chief victim has been the redbay.

Research indicates that laurel wilt has killed about 320 million redbay trees since its introduction in 2002 in Eastern Georgia— or 30 percent of the species’ population. The disease has spread throughout Florida, up to North Carolina and west into Texas.

“We think it could potentially get to Mexico and Central America where the Lauraceae is a dominant plant species,” Smith said.

Florida has an annual \$100 million avocado industry, and Central America is a world leader in avocado production, he said.

The disease is transmitted when the beetle bores into the tree and deposits spores into the tree’s vascular system. As the spores are carried along, the tree’s defense system reacts, and shuts down the vascular system.

“Trees are dying as a result of overreaction to the fungus, rather than the fungus actually doing anything to kill the trees,” Smith said.

The disease has a 95 percent mortality rate. In hot weather, trees can die within weeks. The death of so many trees has wreaked havoc on local ecosystems.

“Redbay is a very important plant for many organisms, including bears, lots of birds, butterflies,” Smith said. “[Certain] butterflies depend of members of the Lauraceae for food during their larval development.”

Also, the disease has devastated swamp bay populations in the Everglades.

“That’s what’s really so amazing about it this,” Smith said. “A beetle no larger than Lincoln’s nose on penny could have led to the death of half-a-billion trees and counting and all of the radiating effects at the multiple trophic levels.”

Researchers suggest the insect’s unusual capabilities may be the key to redbay restoration.

The odds of not only the insect being clonal, but also the pathogen it carries, are astronomical, Smith said. “However, this means that the red bay beetle will be hard-pressed to make the adaptations necessary to continue infecting disease-resistant redbays as they are re-introduced,” he said.

The study is published in the journal *Biological Invasions*. [Click here to read the study.](#)

## Walking Among Trees Makes Us More Relaxed, Nicer People

Jaymi Heimbuch

It should come as no surprise by now that walking among trees has health benefits. Shinrin-yoku or “forest bathing” is a practice in Japan, where people are encouraged to visit and spend time in a forest to improve their health.

“Studies have confirmed that spending time within a forest setting can reduce psychological stress, depressive symptoms, and hostility, while at the same time improving sleep and increasing both vigor and a feeling of liveliness,” reports Mother Earth News. “These subjective changes match up nicely with objective results reported in nearly a dozen studies involving 24 forests—lower levels of cortisol and lower blood pressure and pulse rate.”

Just the smell of trees has health benefits. “Chemicals secreted by trees, known as phytoncides, have been linked with improved immune defense as well as a reduction in anxiety and increase in pain threshold,” reports Slate in an article on the health benefits of nature. Studies have

also shown that children with ADHD who play in a green outdoor environment, rather than an indoor or constructed environment, show a decrease in their symptoms. Even just living around more trees means a healthier overall mental state. A recent study showed that Londoners who live near trees take fewer antidepressants.

Of course, being in a forest also means there’s a certain amount of exercise going on. Exercise is a proven solution for many ailments including fatigue, depression, anxiety and of course obesity. Combining the benefits of movement with the benefits of a forest setting is an extra-strong prescription for many health issues.

If there is one good thing you’re going to do for yourself today, perhaps it should be heading out the door to go take a walk in a forest or a tree-lined park. ❖





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## The Problem Expands for Avocado Growers: 9 Beetle Species Carry Deadly Fungus

University of Florida Institute of Food and Agricultural Sciences: April 2017

Many people love their avocados – not to mention guacamole dip. So it was bad enough when scientists said a beetle was ravaging avocado trees in South Florida. Then scientists found out that the redbay ambrosia beetle -- originally determined to transmit laurel wilt -- is rare in avocado groves but that six other beetle species could carry the laurel wilt pathogen.

That's more species for scientists to track down and study. University of Florida Institute of Food and Agricultural Sciences economists have estimated avocados bring a \$100 million-a-year economic impact to South Florida.

In a new study, UF/IFAS plant pathology professor Randy Ploetz said scientists found three more types of beetles that can carry the pathogen that can kill avocado trees.

Scientists say they still don't know how many species of ambrosia beetle transmit the fungus that causes laurel wilt, also known as *Raffaelea lauricola*. To serve as a "vector," the insect must interact with the tree and the pathogen, and that interaction is hard to study, said Ploetz, a faculty member at the UF/IFAS Tropical Research and Education Center in Homestead, Florida.

Ploetz and his colleagues collected hundreds of beetles. Then they put them through a lab procedure to grow the laurel wilt pathogen. The test showed scientists how many spores of the fungus were in each beetle. That data guided them to the number and types of beetle species carrying the fungus.

"Several beetles other than redbay ambrosia beetle carry the pathogen," Ploetz said. "However, it will be

*Avocado continued on page 11*



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*Avocado continued from page 10*

important to determine their roles in the spread of this disease. Again, that is not easy. But the results suggest that focusing on the redbay ambrosia beetle regarding the avocado situation may not be a good idea.”

Once this was clear, the research focus changed from the original beetle species to these other species. That way, scientists could determine such traits as their life cycles, habits and transmission capabilities, Crane said. Now, scientists and growers can try to find better strategies for the laurel wilt-transmitting beetles.

“So knowing laurel wilt’s other vectors changes things, and knowing it has potentially multiple vectors adds additional concern for producers,” Crane said. ❖



Daniel Carrillo, an entomology assistant professor and colleague of Ploetz’s at the Tropical REC, found over 14 different ambrosia beetles may infest avocado trees, and he is studying these beetles to identify key players in the spread of this disease and working on ways to control them. But, it’s too early to issue a best management practices manual for these beetles, scientists said.

“Avocado producers have known for some time that other ambrosia beetle species besides the redbay ambrosia beetle are transmitting the pathogen to avocado in their groves,” said Jonathan Crane, a tropical fruit Extension specialist at the Tropical REC.

## JOHN P. WHITE MEMORIAL SCHOLARSHIP



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## JOHN P. WHITE MEMORIAL SCHOLARSHIP FUND APPLICATION



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John P. White is remembered for his generous giving spirit as both the Florida Chapter ISA's Tree Fund Liaison and a dedicated member of the Florida Urban Forestry Council's Executive Committee as well as for his contributions to the annual Trees Florida Conference. He had a zeal for life and steadfast passion for arboriculture and urban forestry. It is our organizations' desire that the recipient of this scholarship will reflect John's passion and continue to carry the torch on behalf of these fields.

The John P. White Memorial Scholarship was established to support education in the arboriculture/urban forestry industry through scholarships in the sum of \$1250.00 per semester for qualifying students. It is hoped that the John P. White Memorial Scholarship will provide deserving students the opportunity to develop into a new generation of dedicated individuals for the arboriculture and urban forestry industries of tomorrow.

### Purpose Statement

The John P. White Memorial Scholarship was created to encourage students to pursue careers in Florida's arboriculture/urban forestry industry or a related field by providing financial assistance for undergraduate, postgraduate or other advanced education programs. The intent is to provide financial assistance for qualified students to gain expertise and experience, earn post high school degrees and become active members and leaders in the industry.

### Eligibility

Applicants may be an incoming freshman, sophomore, junior, senior, or graduate student planning to or currently attending a community college, college or university. The student must be enrolled full-time, part-time or place-bound in an arboriculture or urban forestry program or related field with the intent to graduate in that field. Awards recipients are eligible to reapply for the scholarship each semester.

### Requirements

Students must return all of the following to the John P. White Memorial Scholarship Committee by the deadline of June 15th for the fall term and November 15th for the spring term. Recipients will be notified of selection by July 31st for the fall term and January 1st for the spring term.

1. Completed scholarship application.
2. Two letters of recommendation from someone on the faculty of your school who will evaluate your abilities as a student, from a professional member of the arboriculture/urban forestry industry or related field or from someone you have worked for.
3. Biographical essay (maximum 500 words) that includes the following: work or classroom experience with arboriculture/urban forestry or related field, what area of arboriculture/urban forestry or related field that you are interested in pursuing, what you plan to do after graduation, and why you are qualified to receive the John P. White Memorial Scholarship.

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8

93

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# TCC WINNERS... THE RESULTS!

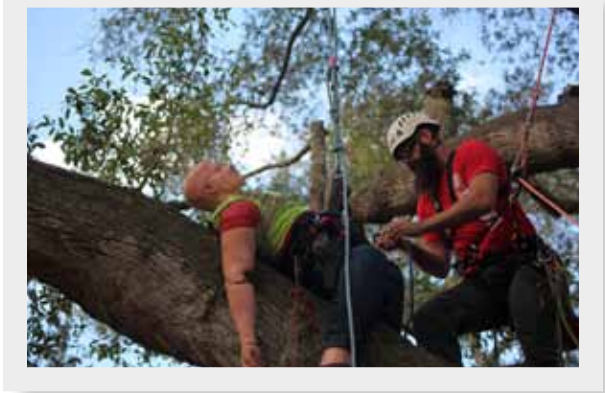
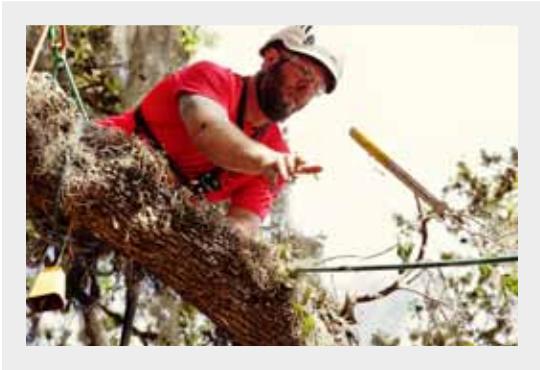
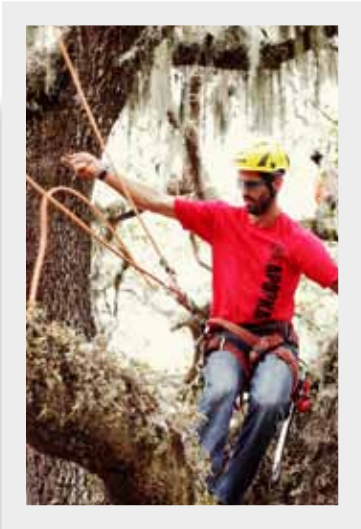
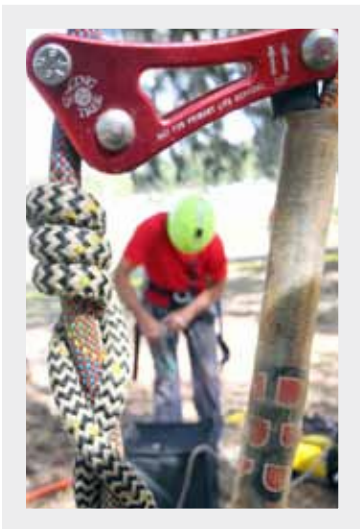
**Jason Gerrish - 2017 Florida Chapter TCC Men's Winner**  
**Alisha Amundson - 2017 Florida Chapter TCC Women's Winner**

Congratulations to Alisha Amundson of Tree Girl Designs in Oviedo and Jason Gerrish of Tree Huggers in Miami for their wins at the spring Florida TCC Championship in Apopka, FL. Both Alisha and Jason will represent the Florida Chapter at the International TCC that will be held at the US National Arboretum in Washington DC July 28-30, 2017. Good luck to you both at the International event!

The Florida TCC event in Apopka was held at Kit Land Nelson Park. The five preliminary events were held on Saturday February 18, 2017; the Master's Challenge was held on Sunday the 19th. There were 35 competitors who travelled from near and far to participate. The Florida TCC Chair, Adam Jackson (Davey Tree) and his energetic crew of prep volunteers, judges and timekeepers devoted much time and effort to organize and run the event.

In addition to the winners of the preliminary events ([see list on page 15](#)), the winner of the Florida Chapter Sportsmanship Award (honoring climbers who are no longer with us) was Chris Coates. The Bruce Smith Pay-It-Forward Award was presented to John Freeman. A special thanks to the parents of climber Ron Price for attending the competition and accepting an honorary Remembrance Award on behalf of Ron.

Once again, congratulations to Alisha Amundson and Jason Gerrish for winning the 2017 Florida TCC, and thank you to all the climbers who travelled and participated in the Florida TCC.



# Florida Chapter TCC Congratulations!



The Florida Chapter would like to congratulate the following Master's Challenge climbers for participating and giving it your "all" for the chance to represent the Florida Chapter at the International TCC in Washington DC – in alphabetical order:

## MASTER'S CHALLENGE

- 1 Alisha Amundson (female winner)
- 2 Chris Coates
- 3 Jason Gerrish (male winner)
- 4 Trevor Hill
- 5 Paul Lloyd-Jones
- 6 Tim Walters

## PRELIMINARY WINNERS

Congratulations to the following top 3 winners in each event:

### Aerial Rescue:

- 1 Tim Walters
- 2 Carson Smith
- 3 Doug LaFortune

### Throwline:

- 1 Paul Lloyd-Jones
- 2 Tim Walters
- 3 Christopher DeNoma

### Belayed Speed Climb:

- 1 Jason Gerrish
- 2 Paul Lloyd-Jones
- 3 Anthony Duffey

### Work Climb:

- 1 Chris Coates
- 2 Doug Roy
- 3 Forrest McCullough

### Secured Footlock:

- 1 Chris Coates
- 2 Jason Gerrish
- 3 Trevor Hill

See you in October! Watch for announcements for the Fall 2017 Florida Chapter TCC. The event will be held in Orlando on October 28-29, 2017.



## Consultant's Corner

by Joe Samnik, Consulting Arborist



### MY NEIGHBOR'S TREE

Ownership of a tree is not relegated to the realm of rocket science. What the tree does to your neighbor or what your neighbor's tree does to you is rocket science. And the laws that govern these incidents vary from state to state.

Using England common law, where much of our law originates, the ownership of a tree started with the origin of the tree's roots. We have learned over time however that roots tend to grow and spread. The tree roots which started in one yard quickly spread to other yards or encroach into areas not belonging to the owner of the tree. In an effort to rid the court system of nuisance claims and those claims which took up much of the court's time, the concept of self-help originated.

In Florida, and other states, the ownership of a tree is determined by the location of the trunk. If a tree trunk is located entirely on the property owned, that party is the owner of the tree. Of course tree trunks can be large and wide and that's where the trouble begins. Often a tree finds itself in the property line between or

among other people's land and those boundary trees then become under the ownership of all people's properties who share ownership of that boundary tree as tenants in common. Ownership of the tree defines owner's rights, maintenance responsibilities, and of course, liability.

We are all faced with the commonality of a neighbor's tree canopy overhanging a property line or growing above the neighbor's home or personal property. This situation becomes exacerbated when the tree in its entirety or part is in danger of falling or failing. As we are all aware, the roots of trees can also do extensive damage to neighboring improvements and property. This encroachment dilemma includes killing vegetation as well as the obvious destruction of sidewalks, driveways, pool decks and house foundations.

This is where self-help comes in (see *Galo v. Heller*). In this Florida landmark case, the courts basically said that if a neighbor's roots or parts of a tree are encroaching or causing problems, then the person to whom the damage may or is occurring has the right to self-help or remedying the problem without permission of the owner of the tree. That is where the real mischief begins. The question of the irreparable damage caused to a tree by self-help is usually decided in a court of law. Of course when implementing self-help one cannot trespass onto another's property. Most states have adopted one of the following approaches to resolution: the Massachusetts Rule, the Restatement Rule; the Virginia Rule, and the Hawaii Rule.

Under the Massachusetts Rule, a landowner's sole remedy is self-help. In this instance, it is the neighbor who has the responsibility of ensuring that nothing happens to his property from an adjoining neighbor's tree. Kentucky, Maryland, the District of Columbia and Florida have adopted the Massachusetts Rule. Left to the courts are deserving property owners whose neighbor's trees have caused damage or injury by encroachment of trees in part or in whole. The Restatement Rule has only been adopted in a few places and imposes an obligation on a landowner to control its artificial landscape trees but not natural vegetation or trees. In these instances if a tree grew naturally and caused damage to a neighbor there would be no liability on the person owning the tree. However, if the tree had been installed and maintained there would be liability if that tree caused damage to a neighbor's property.

*Tree continued on page 17*





*Tree continued from page 16*

The Virginia Rule states that encroachments of a tree or other plant material that are not noxious in nature cannot be legally held responsible for encroachment which leaves the landowner held to the option of self-help. As you might imagine the rubber meets the road over the definition of what vegetation is noxious and which is not. Is noxious defined by genetic poisonous parts or because it causes or could cause an injury? Thus, the conclusion is that most states do not function under the Virginia Rule.

The Hawaii Rule states that living trees and plants are ordinarily not nuisances but they can become so when they cause actual damage or injury or pose an imminent threat of actual harm to the neighbor. It seems that the Hawaii Rule makes more sense to several states including of course Hawaii, Indiana, Illinois, Minnesota, New Mexico, Ohio, Oklahoma, New York and others.

The approach to resolution of a neighbor's tree seems in part to be found in self-help. However, the cost of self-help is the responsibility of the neighbor who does not

own the tree. It makes logical sense that if my neighbor is not taking care of the tree which they own why must I be burdened with the cost of doing so? The answer is that if you want to impose self-help you are stuck with the cost of doing so. The alternative is to approach your neighbor and explain the situation hoping that goodwill will prevail. If it does not, then court seems to be the likely remedy over self-help.

As arborists we must exercise extreme caution to ensure that any work we do on a tree belongs to the person who has retained us to do the work. Many arborists are so sensitive to this matter that they want to see a survey which shows the subject tree marked and belonging to the person who is retaining the arborist to do the work. A neighbor giving verbal permission to work on his tree is not enough security that you, the arborist, will not find yourself joined in a lawsuit in the after situation of your work. Get the neighbor's permission to prune in writing. Make certain that the neighbor has a written copy of the specificity you are going to use in pruning the tree. It is on that specificity that the neighbor is signing off. Never take the word of your client that a tree obviously

*Tree continued on page 20*

## Preserve Florida's Greatest Green Resource - Trees!

Buy a TreesAreCool plate!  
Send in your receipt and  
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1-day seminar -  
promotion is going on now!

Through your purchase of the TreesAreCool License Plate for your vehicle, you help benefit our Florida urban tree environments through:

- Tree research
- Scholarships
- Ongoing education of tree-care practitioners
- And provide public education programs about tree care and preservation.

*The Tree Tag...Get it Today!*



WEB: [www.floridaisa.org](http://www.floridaisa.org) P: 941-342-0153 E: [jan@floridaisa.org](mailto:jan@floridaisa.org)

The Florida Chapter of the International Society of Arboriculture (ISA) is a non-profit organization committed to serving the needs of Florida's professional arborists and tree-care consumers.

## From Your TREE Fund Liaison Chair - Eric H. Hoyer

### TREE Fund Awards Over Half a Million Dollars in New Grants in 2016

*Historic level of funding empowers tree research and education programs across the globe .*

TREE Fund is pleased to announce its final round of 2016 grant awards for urban tree research and education. With these grants, the 501(c)3 charity reached a record-breaking ~\$550,000 in new awards in 2016, bringing its total disbursement of funding to nearly \$3.2 million since its inception in 2002.

“We achieved this higher level of grant-making in 2016 by increasing both the number and the value of several of our grant lines,” explains TREE Fund President and CEO J. Eric Smith. “We are proud and excited to be able to empower a larger body of new work, all through the tremendous international support we receive from our individual and organizational partners.”

Grants issued in the latter part of 2016 included an important long-term utility arboriculture test program in California; three grants supporting research on safe rigging, accurate tree surveying, and proper root removal; and TREE Fund’s signature Research Fellowship designed to cultivate emergent lines of inquiry in the field. Two Jack Kimmel International Grants, supported by Canadian TREE Fund and its riders in the STIHL Tour des Trees outreach and fundraising event, will fund essential work on soil cell technology and climate change.

#### 2016 Research Fellowship Grant recipient:

Mitchell Pavao-Zuckerman, PhD (University of Maryland) and Co-Investigator Dr. Raymond Weil (University of Maryland)

#### 2016 Utility Arborist Research Fund Grant recipient:

Christopher M. Halle, PhD (Sonoma State University) and Co-Investigator Claudia Luke, PhD (Sonoma State University)

#### 2016 John Z. Duling Grant recipients:

- Adam Berland, PhD (Ball State University) and Co-Investigator Jess Vogt, PhD (DePaul University)
- Justin Morgenroth, PhD (University of Canterbury, New Zealand) and Co-Investigator Andrew Koeser, PhD (University of Florida)
- Brian Kane, PhD (University of Massachusetts Amherst) and Co-Investigator Mark Reiland (University of Massachusetts Amherst)

#### 2016 Jack Kimmel International Grant recipients:

- Francesco Ferrini, PhD (University of Florence, Italy) and Co-Investigator Simone Orlandini, PhD (University of Florence, Italy)
- Camilo Ordóñez, PhD (Ryerson University, Canada) and Co-Investigator Andrew Millward, PhD (Ryerson University, Canada)

#### 2016 Ohio Chapter ISA Education Grant recipient:

The Holden Arboretum (Kirtland, Ohio)

#### 2016 Scholarship recipients:

Thomas McNulty, Penn State University  
Allison Wilson, Penn State Mont Alto  
Conor Smith, University of New Hampshire ❖



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# Growth Rings in the New Year

What would the TREE Fund's 2016 annual growth ring tell you about our nonprofit organism if you peeked inside?

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Adding more programs

Opening the circle to new donors

Injecting new revenue streams



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**Donate to the TREE Fund today!**

Online: [www.treefund.org](http://www.treefund.org)  
By phone: 630-369-8300

By mail: TREE Fund  
552 S. Washington St. Ste. 109  
Naperville, IL 60540

We're setting the stage for transformative growth in 2017. With your support, growth can ring in the New Year from day one.



*Tree continued from page 17*

not on his property was given the owner's permission to remove or prune.

In August the Florida Chapter, ISA, will conduct a seminar on Trees and the Law designed for the owners of tree companies and supervisor level staff. Featured as speakers will be attorneys whose expertise in writing contracts and staying out of legal problems will be presented. These two topics alone are worth the price of admission. I do hope to see you there. ❖



To advertise in the Florida Arborist contact the Florida Chapter office at 941-342-0153.

*Our electronic version of the Florida Arborist allows for an active link directly to your website!!*

Single Issue advertising rates are as follows:

- Full Page - \$250/issue
- Half Page - \$200/issue
- Quarter Page - \$150/issue
- Business Card - \$75/issue
- Classified Ad - \$25/issue

Discounts for a commitment of 4 consecutive issues:

- Full Page - \$200/issue
- Half Page - \$150/issue
- Quarter Page - \$100/issue
- Business Card - \$50/issue
- Classified Ad - \$25/issue

Prices include one link from the ad to your website. Additional links are \$25/link per issue.

call 941-342-0153  
or email [jan@floridaisa.org](mailto:jan@floridaisa.org)

## JOIN ISA!

Compare the member benefits.  
Decide which membership suits you best:  
International, Florida Chapter or BOTH!

### Benefits for joining International ISA:

- 'Arborist News' and 'Arboriculture & Urban Forestry' publications
- Online access to 'ISA Today' and other ISA electronic news
- Access to members-only online resources
- Discount on annual International ISA Conference and Trade Show
- Discounts on ISA merchandise
- Use of the ISA Member logo
- Access to ISA Job Bank
- ISA member directory listing
- 'True Professionals' program
- Online 'Find a Tree Care Service' tool

## International Society of Arboriculture MEMBERSHIP

### Benefits for joining the Florida Chapter:

- Quarterly Florida Arborist newsletter
- Discounts on Florida Chapter seminars
- Discount on annual Trees Florida Conference and Trade Show
- Discounts on Florida Chapter merchandise
- Florida Chapter Awards program

### JOIN BOTH International ISA and the Florida Chapter !

- Receive all benefits listed above PLUS deep discounts on certification and recertification fees



**JOIN TODAY!**

visit [www.FloridaISA.org](http://www.FloridaISA.org)

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First ever 120 PSI injection system



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1.5L or 650mL - Choose the right bottle for your tree



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Lightweight and easy turn valves allow for total control



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Quickly add product without removing cap



### RELIABLE

Hex PDS Technology distributes product evenly to parallel injection lines



### PRODUCTIVE

Maximize output with 6 lines, or use 12 with the built-in expansion system

## News From International

### ONE WORLD UNDER ONE CANOPY WASHINGTON DC: Together Again!

Join fellow arborists for this year's ISA ANNUAL INTERNATIONAL CONFERENCE AND TRADE SHOW, together again with the INTERNATIONAL TREE CLIMBING CHAMPIONSHIP.

- July 28-30, 2017: International Tree Climbing Championship at the US National Arboretum, Washington DC
- July 31-August 2, 2017: International Conference and Trade Show at the Gaylord National Resort & Convention Center, National Harbor, MD

Register BY June 2, 2017 for pre-conference pricing. [Click here for conference information.](#)

### BRING A FRIEND TO ISA: Member Get a Member Referral Rewards Program

From February 1st through May 31st, ISA Professional, Senior, Life, and Honorary Life members are encouraged to recruit their colleagues to get involved with the global network of tree care professionals by becoming ISA Professional Members. Members may recruit individuals who have either never held an ISA membership or have not held an ISA membership during the prior 12 months. To learn more about how the Member Get a Member Program works and how you can earn rewards, [please visit the ISA website.](#)

### ISA Welcomes Its 20th Associate Organization

The Latvian Arboriculture Society has signed its Operating Agreement and Memorandum of Understanding as ISA's 20th associate organization. This brings the ISA family of industry associations to a total of 60—36 chapters, 20 associate organizations, and four professional affiliates. The organization's official name is Latvijas Kokkopju Arboristu Biedrība (LKAB), founded by a group of educators associated with the Ērgļi Vocational School, the only secondary school in Latvia that trains students to become arborists. Welcome, LKAB!

### ARE YOU ALSO AN INTERNATIONAL ISA MEMBER? VOTE BY MAY 30th!

#### General Membership Election

#### Board of Director Seats

ISA is seeking to fill two seats on the ISA Board of Directors, and general membership voting will be open until May 30, 2017. The Nominating and Election Committee has received and evaluated a qualified roster of nominees who represent the diverse mix of ISA's membership as potential leaders of our society.

ISA recognizes the importance of reflecting the diversity of its members and markets through its staff, volunteer force, and governance. The varied capabilities within our society help ISA to anticipate and fulfill the needs of its members and customers, both domestically and internationally, and to provide high quality products and services. We believe that the wide array of perspectives resulting from our diversity promotes innovation and business success.

#### Nominating and Election Committee Seats

ISA is also seeking to fill two seats on the Nominating and Elections Committee (NEC). This committee's responsibility is to provide oversight to all ISA elections. Under authority of the Board, the NEC is directed to recommend qualified nominees to the Board of Directors for open NEC seats. The NEC may identify and recommend more qualified candidates than open seats available. The Board will review the nominees recommended by the NEC and will accept, reject, and/or modify the list of nominees for NEC positions.

ISA member voting is available by **electronic means only**. Polls will be open through May 30, 2017. In early April, ISA staff emailed a link to the voting ballot to ISA members who purchased their memberships by March 31, 2017. If you haven't voted yet, look back in your emails for the link to vote, and have a voice in this important decision. ❖



**JUNE 5 - 7, 2017**

**Hammock Beach Resort  
PALM COAST, FL**

**2017 format:**

**MON - TUE - WED**

For more information go to

[www.TreesFlorida.com](http://www.TreesFlorida.com)



## OUR TEAM

ERIN GIVENS, CA  
(352)457-6356

WALTER GIVENS  
(352)457-1336

JOHN HOLZAEPFEL, CA, ACF, CF  
(352)238-0917

ERIC HOYER, CA, RCA, CF  
(863)670-0734

CHARLIE MARCUS, CA  
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ALSO PICTURED: JACK VOGEL, PRESIDENT

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## **Florida Chapter ISA - 2017 Education Schedule**

\*The schedule below is tentative and subject to changes.

<b>Date</b>	<b>Seminar/Class</b>	<b>Location (s)</b>	<b>Open for Registration</b>
June 5-6-7, 2017	Trees Florida 2017	Hammock Beach Resort Palm Coast, FL	<b>Register online by May 28, 2017</b>
August 23, 2017	A Blueprint for Success: Tree Law	Pomano Beach	Watch for details
August 2017	A Blueprint for Success: Tree Law	Sarasota	Watch for details
September 27, 2017	Tree ID	Naples	Watch for details
September 29, 2017	Tree ID	Largo	Watch for details
Fall 2017	TRAQ	TBD	Watch for details
October 25, 2017	Indoor-Outdoor Arboriculture	Tallahassee, FL	Watch for details
October 27, 2017	Outdoor Tree School	Moss Park, Orlando, FL	Watch for details
November 2017	Mature Tree Care	Orlando	
November 2017	Mature Tree Care	Ft. Lauderdale	
December 2017	Tree Biology A-Z	Orlando	
December 2017	Tree Care 101	Pensacola	
January 2018	Advanced Arboriculture - Wood Decay	Ft Lauderdale	
January 2018	Advanced Arboriculture - Wood Decay	Orlando	
February 2018	Storms over the Urban Forest	Orlando	
March 2018	Sustainable Landscapes	Tampa	

# Welcome!

## New Florida Chapter Members

Here are the individuals that joined the Florida Chapter during the first quarter of 2017. If you see a name from your area of the state, look up their phone number online\* and give them a call. Introduce yourself and find out what aspect of arboriculture the new member is involved in. Let's make the Florida Chapter friendlier. We're all working in different ways for the same goals. Get to know other Chapter members. You might make some helpful connections for the future.

Christopher P. Andrews, Leesburg, FL

Lewis E Aqai, Miami, FL

Roberto Arenas, Leesburg, FL

Ivan Arocha, Orlando, FL

Rollin S. Austin, Tallahassee, FL

Neal Franklin Avery, Jr., Wesley Chapel, FL

Trevor Scott Bacon, Dunedin, FL

Glenn Bechtle, Dunedin, FL

Jennifer Bellars Forrester, Daytona Beach, FL

Shannon Heather Brewer, Holiday, FL

Billy Butterfield, Orlando, FL

Michael John Casey, Jr., Loxahatchee, FL

Dewey Clyfton Champion, Dade City, FL

Jonathan Colburn, Gainesville, FL

Abdias Dalisma, North Lauderdale, FL

Christopher Delostrinos, Apopka, FL

Dustin Demmery, Lake Worth, FL

Alfredo Diaz, Miami, FL

Thomas J Edwards, Clearwater, FL

Randal Wayne Eldridge, Sarasota, FL

John Freeman, Winter Garden, FL

Julio Garcia, Naples, FL

Gary Lee Gray, Wesley Chapel, FL

John Guziejka, Orlando, FL

Gorman Gene Hamilton, Oakland Park, FL

Craig Henderson, Tallahassee, FL

Christina Hensel, Kissimmee, FL

Deborah Hilbert, Wimauma, FL

Lacy Crider Holtzworth, Gainesville, FL

Allen L Howell, Palm Harbor, FL

Peter Allen James, Pompano Beach, FL

Thomas Lane, Spring Hill, FL

John Paul Lebel, Thonotosassa, FL

Franck Leblanc, Juno Beach, FL

Michael C Leger, Coconut Creek, FL

Daniel Lippi, Saint Augustine, FL

Chad A Mako, Okahumpka, FL

Peter Massarelli, Clearwater, FL

Forrest McCullough, Casselberry, FL

Joseph McDonald, Largo, FL

Joel McGuire, Land O Lakes, FL

Adalberto D Meneses, Palm Beach Gardens, FL

Jacob Montgomery, Safety Harbor, FL

Tim Mooney, Lake Wales, FL

Thomas Moore, Tampa, FL

Karyna Mursuli Soto, Homestead, FL

Chad E. Patterson, Port Saint Lucie, FL

Douglas Puhl, West Palm Beach, FL

Jerad Purvis, Tavares, FL

Ronald Anthony Reeves, DeFuniak Springs, FL

Jeffery Allen Reynolds, Plant City, FL

Gustavo A. Rivero, Naples, FL

Eric Robinson, Land O Lakes, FL

Steve Rodgers, Davie, FL

James Walter Rybicki, Tallahassee, FL

Reuben Sardinias, Tampa, FL

Kevin Adam Schaivone, Jr., Boynton Beach, FL

Melvin Schmucker, Boca Raton, FL

Welby John Silversmith, Apopka, FL

William B Simpson, Palmetto, FL

Richard Smith, Deltona, FL

Michael Louis Sobba, II, Jupiter, FL

Diane Marie Staubitz, Tallahassee, FL

Austin Kyle Stidham, Lake Placid, FL

Anthony Straley, Vero Beach, FL

George Superak, Venice, FL

Pedro Tarazona, Lake Worth, FL

Ray Vinson, Bradenton, FL

Cheryl Ann Volkman, Saint Petersburg, FL

Samantha Jane West, DeLand, FL

Greg Johan Wigeri van Edema, Bradenton, FL

Kenneth Adam Williams, Marianna, FL

Kevin Martin Woodall, Oakland Park, FL

\*Go to <http://www.isa-arbor.com>, then go to "Members Only" and log in. Then go to ISA membership directory. If you do not know your log in for members only, contact ISA headquarters at (888) 472-8733. Once you log in, you can update your address, check your CEU's, edit or verify Certified Arborist information and search the membership list.

### Letters to the Editor

We welcome your thoughts about Florida Arborist articles, about your Florida Chapter, or about tree issues in general.

Email your letters to:  
jan@floridaisa.org

or mail to:  
Florida Chapter - ISA  
7853 S. Leewynn Court  
Sarasota, FL 34240



Please remember:  
Letters should be no longer than 300 words.  
We reserve the right to condense letters, or to edit as necessary.

An invitation to all members  
to attend a

**Board of Directors Meeting!**

Call 941-342-0153

for specific times and locations

### Up-coming 2017 Board Meeting - Dates & Locations

June 4, 2017 - Palm Coast

September 8, 2017 - Orlando

# Arborist Certification Committee Report

By Norm Easey, Florida Certification Liaison

There are currently two ISA certification exams scheduled in Florida during the first quarter of 2017. [Click here to watch for future dates.](#) The ISA Certified Arborist exam is also now available at Pearson Testing Centers throughout Florida. See the ISA International web site [www.isa-arbor.com](http://www.isa-arbor.com) for more information about the various ISA arborist credentials and how to earn them.

Florida Chapter currently has 1918 Certified Arborists.

The Florida Chapter would like to congratulate the following 25 Florida or Florida Chapter individuals for earning their certifications as: Certified Arborist, Board Certified Master Arborist, Utility Specialist and Certified Tree Worker:

## Certified Arborist

Dylan Coppola, Gulfport, FL  
 Ronald Crumbley, Jr, Miami Gardens, FL  
 Michael Davidson, Tallahassee, FL  
 Michelle Franklin, Alachua, FL  
 Luis Manuel Garcia, Homestead, FL  
 John Guziejka, Orlando, FL  
 Deborah Hilbert, Wimauma, FL  
 Lacy Crider Holtzworth, Gainesville, FL  
 John Paul Lebel, Thonotosassa, FL  
 Corinne Murray, Fort Myers, FL  
 Mona Neville, Dade City, FL  
 Michael Arthur O'Neill, West Palm Beach, FL  
 Daniel Pompei, Port Orange, FL  
 Grantly Everton Ricketts, Kissimmee, FL  
 James Walter Rybicki, Tallahassee, FL  
 Christopher Hardin Sutton, Bradenton, FL  
 Ray Taylor, Saint Augustine, FL  
 James Martin Towery, Bradenton, FL  
 Ray Vinson, Bradenton, FL  
 Samantha Jane West, DeLand, FL  
 Kevin Martin Woodall, Oakland Park, FL

## Board Certified Master Arborist

Stephanie Adams, Gainesville, FL  
 Donald J. Spence, Daytona Beach, FL



## Utility Specialist

George Hanke, Lady Lake, FL

## Tree Care Worker

Steven Paul Brown, Navarre, FL

Are you thinking about becoming certified?

[Visit the International ISA website](#)

To access the certification application handbook with further information.

# International Society of Arboriculture Florida Chapter

Our Mission: "To Promote and Improve the  
Scientifically Based Practice of Professional Arboriculture"



## Arborist Code of Ethics

Strive for continuous self-development by increasing their qualifications and technical proficiency by staying abreast of technological and scientific developments affecting the profession.

Not misuse or omit material facts in promoting technical information, products or services if the effect would be to mislead or misrepresent.

Hold paramount the safety and health of all people, and endeavor to protect property and the environment in the performances of professional responsibilities.

Accurately and fairly represent their capabilities, qualifications and experience and those of their employees and/or agents.

Subscribe to fair and honest business practices in dealing with clients, suppliers, employees and other professionals.

Support the improvement of professional services and products through encouraging research and development.

Observe the standards and promote adherence to the ethics embodied in this code.



Florida Arborist  
Florida Chapter ISA  
7853 South Leewynn Court  
Sarasota, FL 34240