



The Council Quarterly

Quarterly Newsletter of the Florida Urban Forestry Council

2019 Issue Four

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DELAND, FLORIDA – THE “ATHENS OF FLORIDA”

Submitted by Steve Lloyd – CFA Coordinator, Florida Forest Service

Like many of us, I travel to conferences all over the country where I enjoy learning the latest developments in urban forest management and tree care. When the day is done, and the lectures are concluded, I like to learn about the community I am visiting. How long has it been here? Who founded it and why? What were the events that molded the community into what we see today? As a resident of the City of DeLand, I am proud to welcome you to this place of culture, heritage, and natural beauty.

Henry Addison DeLand was a wealthy baking soda manufacturer in New York who came to Florida in 1876 with his family for vacation. While visiting his sister’s family

in Walterboro, SC, his brother-in-law, O.P. Terry, had “Orange Fever” and had purchased land in Florida on which to start an orchard grove. Henry DeLand traveled the St. Johns River to view the property. They disembarked at the riverboat landing in Enterprise and traveled to the area then known as Persimmon Hollow--named after the wild Persimmons that grew in the area. They stayed with Captain John Rich, a former Stamford, New York resident. Captain Rich was a Union Captain during the Civil War, but moved to South Carolina when the war ended. In 1874, he moved to the small settlement of Persimmon Hollow where he built the first cabin within the City limits of present day DeLand.

Henry DeLand immediately fell in love with the area. He purchased 159 acres and set about developing a town based on culture, education, and beauty like Athens, Greece--hence the nickname, “Athens of Florida.” To attract new settlers to the area, DeLand promised them that if they were unhappy in the first two years, he would buy back all the land he sold them. The plan was bold, the promise was risky, but the result was successful. On December 6, 1876, the settlers of DeLand met and voted to name their little town “DeLand” in honor of Henry Addison DeLand and everything he had done for the community.

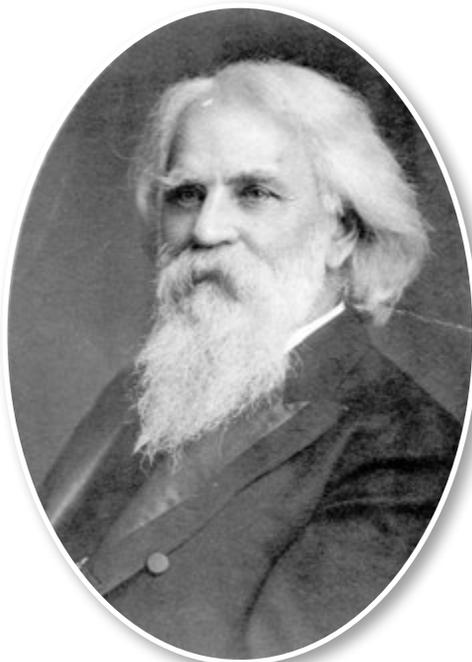
In keeping with his desire to promote education and culture, Henry DeLand founded DeLand Academy in 1883. In 1887, the Florida Legislature enacted the Charter of DeLand University as an

independent institution of higher learning, one of the few co-ed colleges in the south.

Tragedy struck the small town in 1886 when a fire started in the Wilcox Saloon sometime after midnight. The fire raced through the closely spaced wooden structures of the town destroying 22 buildings on Woodland Boulevard between New York and Rich Avenues. The town folk used wet blankets and buckets to save what they could. Fortunately, no lives were lost during the blaze. Exhausted and traumatized, the town passed a referendum the very next day requiring all new construction to be made of brick or masonry. The buildings built after the fire are still standing today--a testament of the community’s resilience.

During the winter of 1886, there was a freeze that severely damaged the citrus crop. A man of his word, Henry DeLand made good on his promise to purchase back the land from ruined farmers. Doing so created great financial hardship for

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PRESIDENT'S MESSAGE



There are so many places needing trees. I can't plant them all, nor should I. By teaching others about the benefits and values of trees, and to cultivate the desire to plant and

care for trees in others, we'll be working together to get the job done. As more people learn about the importance and need for trees, the more plantings and maintenance programs will be found in and around our towns and cities--and around the world. Someday, every place that needs trees will also have the need for someone to plant and care for them. All the tree planting initiatives; all the increasing tree canopy goals; all the research results showing community, human, and wildlife benefits of trees; provides the basis for me to say today is that someday when trees and stewards are needed everywhere.

In the new decade of the 2020s, we are able to state as a fact, not just a promise, that "Trees are Good™." Across the world, across our country, across Florida, and within your community, trees matter. Our FUFUC members know that trees matter along the streets and within the yards of our neighborhoods. The FUFUC members are the center of urban forestry in Florida. They are the trunk that supports the existing urban tree canopy. Expanding the reach of our message and the depth of our support expands the urban forests we live in and experience with others.

When is your community, your town, your city, your county, the place that you live, doing their next planning project to improve the future? When is the next Complete Streets project, neighborhood enhancement project, Main Street USA project, Community Redevelopment District (CRA) program, Community Master Plan revision (2020 is the start of a new decade), or next property development project being planned and implemented? WHO IS SPEAKING FOR THE TREES IN THAT PROJECT? COULD YOU SPEAK FOR THE TREES?

The professionals who speak for the roads, sidewalks, buildings, utilities, traffic control, public safety, waste management, and energy, are being heard. All are given a place in property improvement projects. All have their "page in the plan," and a "seat at the planning table." Let me take this moment to speak for trees and landscapes.

Community development, master, or improvement plans should have information and guidelines for trees and landscape plantings. The landscape (trees and understory plants) should have a page. In communities where trees matter more, there can be other pages in the plan. A plan may include a Tree Survey showing where trees currently exist BEFORE the planning and construction process. A tree disposition, or a tree replacement (sometimes titled Tree Mitigation) page is useful and should be incorporated in the Landscape plan. These guidelines remind everyone at the planning table, on the development team, or those reviewing the plans, that trees matter and are respected within our communities.

Knowing what trees are where allows us to identify invasive species, exotic pest species, diseased trees, or trees that present hazards to persons or property. A tree inventory also allows us to identify highly-valued specimen trees, Heritage Trees, Grand Trees, native trees, and historic trees. Tree data will justify the discussions and support decisions to preserve, relocate, or remove trees during the planning process. Proper growing space and continued maintenance for new tree and landscape plantings should be included in planning discussions.

Trees are elements of an urban/community infrastructure. They are actually titled Green Infrastructure, not just the window dressing or decorations to make properties look good. We should seek every opportunity to remind other professionals and politicians involved with community projects, or property improvement plans, that trees and landscape plants are necessary infrastructure for any project.

Take back the title of Green for the landscape and the trees. The only Green

in Green Buildings, or LEED projects, resiliency and sustainability programs, is the Green that grows--the growing plants within the landscape.

As an economist, my interest centers on the fact that Green Infrastructure has a return on investment (ROI). As Green Infrastructure grows and matures, so do the values and the benefits they provided. It is important to recognize that green plants grow in value as they grow in size. We need big trees. Research and landscape appraisals support the fact that maintained, healthy trees are more valuable than unmaintained trees. This is the basis for successfully arguing for arboriculture, and maintenance budgets for cities, counties, and properties throughout Florida. It is my main point when writing urban forest management plans. Tree maintenance (Arboriculture) matters.

Our FUFUC members know the value of the Green in our communities--the trees and landscape plants that improve and sustain our lives. Being a part of the Green Industry that manages and maintains the Green Infrastructure matters – you matter. Please take a moment to reflect on your part in the maintenance and expansion of the Green Infrastructure of your community. Take a walk in an urban forest near you. The benefits are there to enjoy and exist for everyone.

Thanks for supporting my time as FUFUC President. The year 2020 starts the next generation of leadership and progress for FUFUC. I look forward to continuing working with you for a better shared environment.

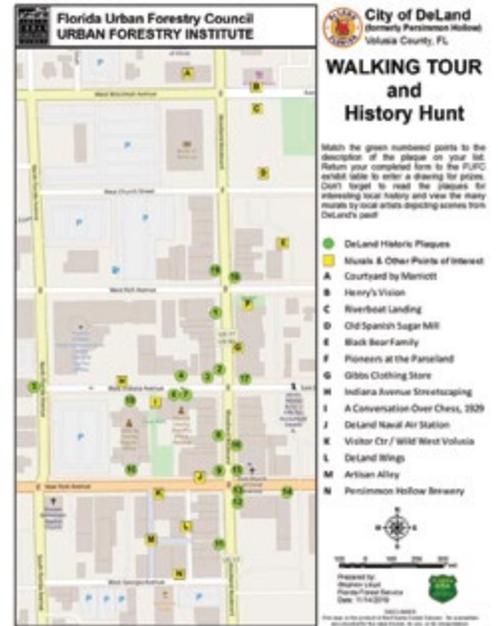
In Support,

John Harris
FUFUC President

continued from pg. 1

DeLand. DeLand appealed to his friend John B. Stetson, the famous Philadelphia hat maker to help keep his dream alive. In gratitude for Stetson’s support, the name of the college was changed from DeLand University to John B. Stetson University in 1889.

Over its 140+ years, despite fires, freezes, and the financial burdens of the Great Depression the City of DeLand experienced a boom in tourism and continued to grow and prosper while maintaining its small-town appeal. As you stroll through the historic and still vibrant downtown,



take note of the streets named after early settlers and the states from which they came. Scattered throughout downtown are historical markers of events and murals of people that made this town what it is today: the “Athens of the Florida.”

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Florida Urban Forestry Council • Urban Forestry Institute 2020

Expanding Your Canopy

Wednesday-Friday • March 4-6, 2020

Expanding Your Canopy—in the public realm, on private properties, with utility-appropriate trees, and through known tree benefits. Renowned tree experts and leaders from Florida urban forestry will present information on the current state of affairs with designed soils for pavement and trees, measuring and mapping the tree canopy, expansion through design and regulation, improving safety on urban roadways through planting street trees, selecting and purchasing quality trees, public and private partnerships, Urban and Community Forestry grants, and more.

Don't miss this opportunity to attend the 2020 FUFC Urban Forestry Institute!

Stetson University • DeLand, Florida

CITY OF DELAND WEST INDIANA AVENUE REVITALIZATION PROJECT

Submitted by Steve Edgar – Forester/Arborist, City of Port Orange

West Indiana Avenue is the iconic center of DeLand's historic district. Past projects worked to improve the aesthetic and pedestrian appeal of the area. As a part of previous construction, trees were planted in 3' x 3' wells located in impervious brick walkways along both sides of the avenue. The trees did not have sufficient root area. Eventually they died or became weak and stunted.

Project Objective: Create a Canopy Road, Maximize Pedestrian Access

The objective of this project is to establish trees that will grow to produce a canopy road effect, framing the avenue in a classic canopy road alley. The City holds multiple festivals on Indiana Avenue and often closes the road to vehicle traffic. The hardscape needed for pedestrian and vehicle traffic can conflict with the proper rooting area required by trees. The previous construction in this area addressed this conflict by using small planting boxes in impervious brick paving and planting mid-sized Asian elms. This looked good at planting, but the trees remained small and the ones with limited soil access became stunted, died or declined.

A close up of the CU-soil® rock provides structural support, the clay loam coating provides a good root environment.

The current revitalization project plants sixteen, four-inch caliper, Cathedral Live Oaks and two Brackens Brown Beauty Magnolias to provide shade and framing for the street. Cornell Structural Soil (CU-Structural Soil®) was used to provide the critical expanded root area under the

pavers and sidewalks. The Cornell Soil provides DOT level support while supplying excellent root development area. More than 1,000 cubic yards of the Cornell Structural Soil was placed under the pavers and sidewalks.



Trees planted irrigated and braced.



An aerial view of the finished project looking west from Woodland

Project Description

Owner, Jurisdiction – City of DeLand with some County of Volusia ownership
Landscape Architect – CPH Engineers, James K. Winter, RLA, CLARB
Project Engineer – Keith Riger, PE, City of DeLand Public Works Director
City of Deland Forester – Mariellen Calabro
City of Deland Public Works Superintendent – Kit Dennis

Working in Harmony with Nature

Sumter Electric Cooperative has always placed a high priority on the environment by working to stay in harmony with nature. Evidence of SECO's environmental stewardship is displayed through the following programs.

Sumter Electric Cooperative:

- was named a *Tree Line USA* utility for the fourth consecutive year by *The National Arbor Day Foundation*. Employee arboriculture training, public education, and maintaining abundant, healthy trees in SECO's service area are common practices.
- installs osprey nesting dishes atop of the utility pole cross arms as needed for these magnificent birds.
- places squirrel guards atop the transformers to protect a variety of animals from danger, particularly squirrels.
- offers net metering to members interested in renewable generation such as photovoltaic systems.
- recycles retired power equipment, scrap steel, aluminum, copper, porcelain, fluorescent lights, ink printer and copier cartridges, plus much more.
- researches and writes *Nature's Reflections*, a special column in the members' newsletter developed to educate the community on the flora and fauna of Florida with eco-friendly topics like xeriscaping and conservation.



OUR TEAM

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STUMP THE FORESTER

QUESTION: What are the key problems to expanding tree canopies in urban, suburban, and developed areas?

ANSWER: Population growth, and the built infrastructure that habitually accommodates the growth, is the largest contributor to the rapid decrease in green cover throughout the world. The rates are accelerated and severe in urban areas. Florida is no exception. The urban forests are perhaps our fastest growing type of forest.

The high rate of development compared to the slow creation rate of mature, stable, natural ecosystems--even compatible natural systems--has been responsible for an imbalance to what appears to be a relatively short-lived tug-of-war.

The ability to properly identify, qualify, and respond to the roadblocks and crossroads between development and

green space is key. Roadblocks that prohibit expansion of tree cover should be withdrawn. Crossroads that enhance the expansion should be advanced. Planning is the heavyweight here. Insufficient planning will incorporate significant problems. Insightful planning will introduce the greatest compatible solutions.

By nature, development and an expanding forest canopy are much the same. They are engineered to grow and take up space. All they need is a little Florida sun, water, and space to grow. Left to their own, they know no boundaries. Boundaries are inevitable, but boundaries--to include property, political, physical, social, cultural, and economic--create the barriers that can cut canopy expansion short. An expanding forest canopy cannot be restricted to municipal right-of-ways. It must include both private and public land. Street trees, parks, and greenspaces within commercial, industrial, recreational, and residential

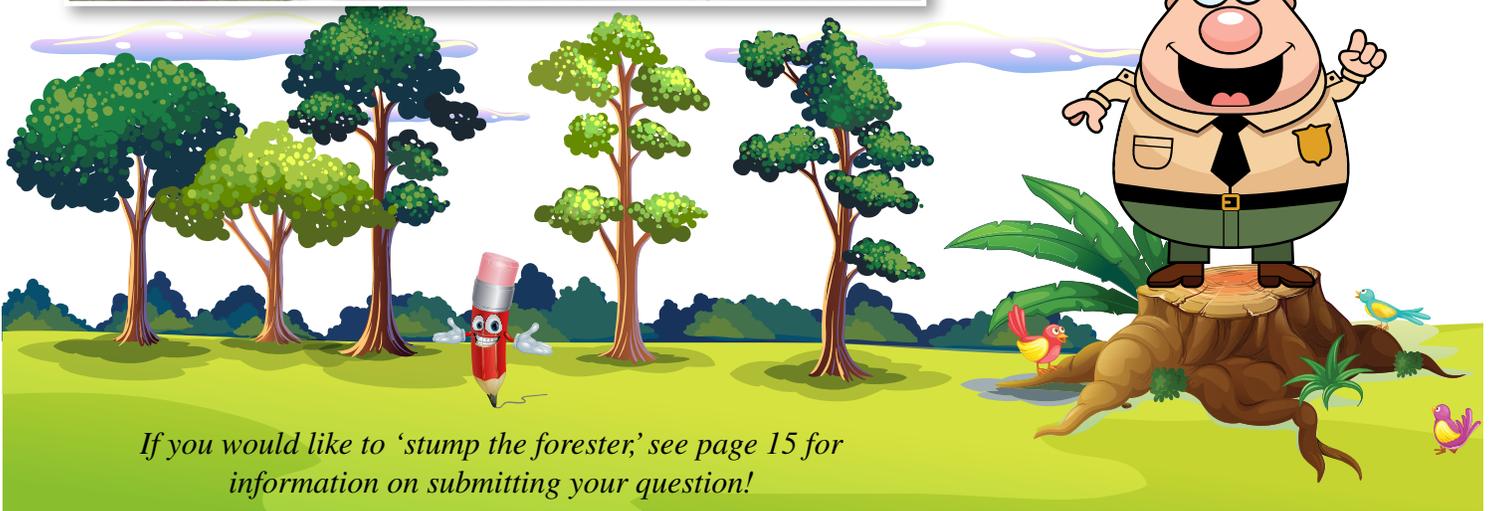
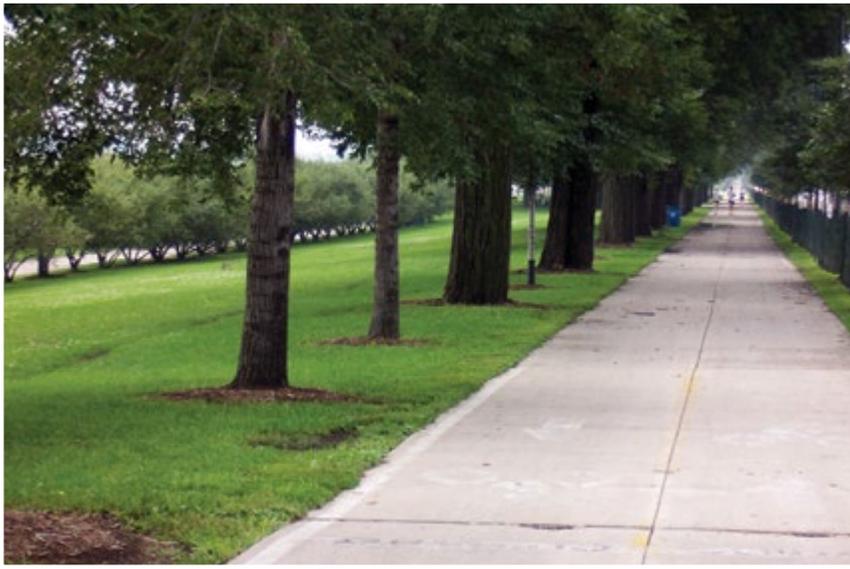
areas must be included in urban forestry programs, policies, and practices.

Proper, adequate root space with sufficient quality soil will greatly impact the ability of urban trees to expand their canopies. Urban/suburban development can create root conditions that range from suitable to unfavorable. Soil stress is likely the largest culprit to tree or canopy decline in developed areas.

The lack of tree maintenance and care--at the seedling and sapling stage especially--is a key problem. Urban reforestation programs must be accountable over time. The urban forest canopy can only expand if it is allowed to mature.

With all this said, perhaps the largest key challenge to expanding tree canopies in urban, suburban, and developed areas is the establishment of a sufficient workforce that can effectively collaborate on the conception, planning, building, maintenance, and the rate of expansion. The work force will require foresters, arborists, landscape architects, nursery growers, planners, developers, civil engineers, public work officials, government agencies, private tree care specialists, tree advocacy groups, educators, and an informed public to properly plan, dismantle barriers, build crossroads, maintain balance, and support expansion.

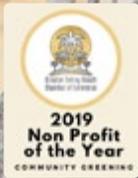
*Answer provided by Joe Anderson, JEA
Utility Forester*



If you would like to 'stump the forester,' see page 15 for information on submitting your question!



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Tree of the Quarter

LIVE OAK
(Quercus virginiana)

Submitted by Joe Anderson, Utility Forester and Certified Arborist, JEA

The Southern live oak (*Quercus virginiana*), icon of the old antebellum South, is a native and dominant tree species. The live oak is a familiar resident and quiet neighbor throughout Florida.

The tree is commonly referred to as a “live oak” because the oak appears “live” with green leaves throughout the entire year, as opposed to other deciduous oaks that are leafless and dormant during the winter months. Though the live oak retains leaves year-round, they are not true evergreens, and may be considered semi-deciduous. They will customarily postpone leaf drop prior to the emergence of new leaves in the spring. The live oak has been able to adopt, and benefit from, some of the leaf characteristics of true evergreen

trees. A reduced surface area and a thick leathery surface enables the tree to continue the photosynthetic process uninterrupted, resisting the stress of water loss, during arid winter months. The live oak is a moderately fast-growing tree--especially when young. The wide crown and spreading branches of this southern aristocrat make it the perfect shade tree for large, adequate spaces.

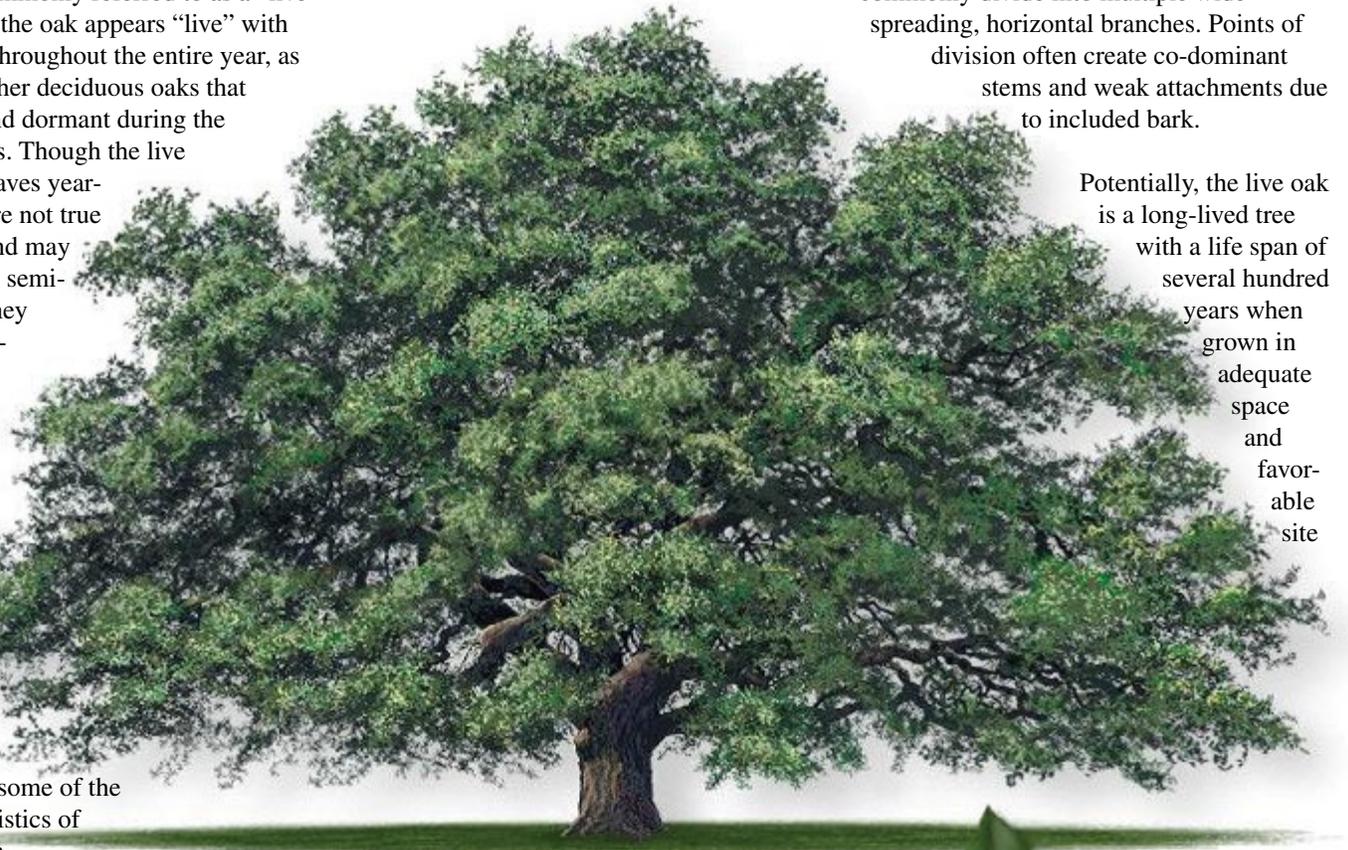
Generally, the live oak is a tough and hardy tree with the ability to overcome abuse and tolerate poor site conditions. Strong branch structure, extensive root system, and low center of gravity enables the live

oak to resist strong, sustained winds of tropical storms and hurricanes. The live oak is a relatively low maintenance tree. Early periodic pruning is recommended for proper trunk and branch structure while the tree is young.

60-80 feet in height and obtain a 60-80-foot spread.

Young oaks will leap with vigorous growth in favorable conditions with adequate water, and well-drained soils. Short, large trunks commonly divide into multiple wide-spreading, horizontal branches. Points of division often create co-dominant stems and weak attachments due to included bark.

Potentially, the live oak is a long-lived tree with a life span of several hundred years when grown in adequate space and favorable site



Size, form, and growth habits:

The live oak can vary in form depending upon site conditions. In favorable conditions, the oak tends to possess a low and wide spreading canopy. At maturity the live oak has the potential to grow wider than tall (growing horizontally rather than vertically), giving the mature tree a flat top appearance--hence the occasional nickname, “plateau oak.” Studies support that once horizontal growth starts to outpace vertical growth, the oak is unable to reverse the trend. At maturity, live oaks can grow



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conditions. In an urban environment the tree can obtain great size, but the life span can be greatly reduced. Adequate root space and quality soil will have the greatest impact on the health and longevity of the tree. Urban and suburban environments can also reduce the elbow room needed to stretch their limbs. Squeezed among other tall, straight, broadleaf trees, the crowns of live oaks can be restricted, contorted and decline.

Site Considerations: Live oaks grow across a wide diversity of sites within its range; to include dry uplands and the edge of wet marshes and swamps. Good soil drainage is a key to sustaining the growth and resiliency of live oaks. Live oak is found to be a dominant species in the southern, windswept maritime forests.

Range: Range extends along the warmer climates of the Atlantic coast, from southeast Virginia to Florida. The range expands inland as it moves southward across southern Georgia and covering all of Florida. The live oak stretches across Florida's panhandle and continues westward along the Gulf coast of Alabama, Mississippi, Louisiana, and into Texas.

Leaves: Simple, persistent, alternate, stiff and leathery. Leaf shapes can vary between Oblong – Obovate. Length 2-5 inches; width .5-2 inches. Top surfaces are a glossy,

dark green. Undersides are pale grey and often pubescent. The leaf edges slightly curve under or cup inward.

Twigs and Branches: Live oak is a hard, heavy, strong-grained wood. Wide spreading branches can share a significant amount of wood mass relative to the tree trunk. Branches often provide habitat for Spanish moss (*Tillandsia usneoides*), ball moss (*Tillandsia recurvate*), and resurrection fern (*Pleopeltis polypodioides*).

Bark: Dark, thick and longitudinally furrowed with flat, scaly ridges between. Texture is sometimes referred to as a "checker board" pattern.

Flowers: Hanging, green catkins, 3-4 inches in length.

Fruit/Seed: Acorns are small oblong shape; .4-2 inches in length; shiny, brown to nearly black. Acorn caps can cover approximately 1/3 of the nut at the twig attachment. Volumes are cyclical. Cyclical bumper crops ("masting") enables the tree to produce, store and conserve the energy needed to produce acorns.

Roots: Extensive, wide-spreading root system. Young oaks can develop a deep-anchoring tap-root.

Usage: The live oak is used as a large, ornamental shade tree; a dominant landscape tree; erosion control and storm water management. It has a high wildlife food and shelter value.

Little Known Facts:

- Widely used in early American ship-building industry. As one of the densest hardwoods in North America, the stout trunk and branches were sought out for making curved structural members of ship hulls and knee braces. In the War of 1812, the frigate ship U.S.S. Constitution was nicknamed "Old Ironside" because British cannon balls bounced off the hull reinforced by ribs and other parts made from the live oak.
- In 1828, President John Quincy Adams established the first national tree farm project known as, The Naval Live Oak Tree Reservation Program, preserving live oaks along the Gulf Coast.
- State Tree of Georgia
- Formally included with the white oaks
- The Angel Oak, near Charleston, South Carolina is estimated to be 700 years old. The Big Oak, near Rockport, Texas is estimated to be approximately 1,000 years old.
- The Treaty Oak in Jacksonville, Florida is an octopus-like live oak estimated to be approximately 250 years old.

FUTURE FLORIDA FORESTERS

Submitted by Dr. David A. Fox, PhD, Lecturer – University of Florida School of Forest Resources and Conservation



The University of Florida School of Forest Resources and Conservation (SFRC) is preparing the next generation of natural resource professionals to help manage the Florida's future forests--to include our urban forests. Much of peninsular Florida could be considered part of an urban forest or within the Wildland-Urban Interface.

Two degree tracks are offered at SFRC: Forest Resources and Conservation (FRC) and Natural Resource Conservation (NRC). FRC majors complete traditional forestry courses to include dendrology, soils, GIS and mapping, forest ecology, silviculture, tree physiology, and mensuration. NRC majors build their own interdisciplinary curriculum with guidance from a faculty mentor. FRC majors can also choose to complete a specialization in urban forestry, business management, environmental pre-law, protected area management, or recreational resource management and each will carry required courses and suggested electives.

Urban forestry as a career emerged from the traditional forestry realm. Foresters applied their training and experience with ecology, soils, plant physiology, tree biology, and silviculture to the management of urban forests. I approach my urban forestry course with this in mind: starting with topics students are familiar with and transferring that technology to the urban setting. Silviculture is to traditional forest management as arboriculture is to urban forest management. Urban foresters create livable cities by managing the green infrastructure and human habitat.

An urban forestry curriculum may include courses on arboriculture, horticulture, land use planning, environmental law, building and construction, landscape architecture, recreation management, communication, and sociology. Exposure to these topics is not limited to the class room.

Knowledge and experience is enhanced through field training, self-study and internship opportunities.

Summer internships build student interest and exposure to different professional environments and job options. Forestry students are always looking for valuable summer experiences targeted to their career interests. The SFRC is searching for urban forestry internship opportunities. Our urban forestry students come from all parts of Florida so the goal is to build a list of internships all over the Florida map.

Students have asked me about my professional path and what influenced its direction. My most common answer,

“While my formal education was the foundation, I often took advantage of later training opportunities through workshops and on-the-job-training with coworkers. Being a lifelong learner is the key to success.”

half-jokingly, is that my career has been the result of a series of providential events. While my formal education was the foundation, I often took advantage of later training opportunities through workshops and on-the-job-training with coworkers. Being a lifelong learner is the key to success.

Can you help a student succeed? Do you currently have an internship program? We want to know about it and add you to our list of learning opportunities. If you have questions about what an internship might look like in your organization, please get in touch with me and we can discuss the benefits and the possibilities.

Get involved and help prepare the next generation of natural resource professionals! Please pass this on to others and help spread my plea for the success in Florida's future forestry. Learn more about the UF School of Forest Resource and Conservation by visiting, <http://sfrc.ufl.edu>.



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WHAT ARE WE TALKING ABOUT? FUFUC NEWS

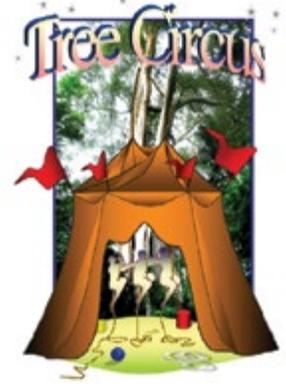
Who We Are: The Florida Urban Forestry Council (FUFC) is an assembly--a gathering of allied organizations--that share a vision and vested interest in sustainable urban forests and resilient community trees throughout Florida. The governing body of the FUFC is composed of elected and appointed board members known as the Executive Committee. The allied organizations that form the Executive Committee include representatives from the Florida Chapter International Society of Arboriculture, UF/IFAS Cooperative Extension, American Society of Landscape Architects – Florida Chapter, Florida Department of Transportation (Highway Beautification), Florida League of Cities, Florida Nursery Growers and Landscape Association, Florida Recreation and Park Association, and Society of American Foresters. Elected and or appointed members include municipal arborists, utility foresters, private tree-care specialists, tree advocacy groups, conservation organizations, other tree-minded champions, and educational providers such as PLT-Florida. Representation on the Executive Committee is also graciously provided by the Florida Forest Service in a liaison capacity.

Five Year Strategic Management Plan: So, what are we talking about? We are talking about the shared vision. We are talking about a mission to promote the value, enhancement, and sound management of urban forests through leadership, collaboration, and education. Most recently, we have been

talking about the completion of the current FUFC Strategic Plan, and the launching of a new Strategic Plan for the 2020-2025 time period. The plans define the decisive steps taken to actively educate, grow, advance, and speak out about the people, places, programs, and purpose of urban forestry throughout Florida. The Strategic Plan is developed for the benefit of Florida communities, by the Florida Urban Forestry Council in cooperation with the Florida Forest Service, and driven by the hearts and minds of tree-minded people. The current Strategic Plan can be found on the FUFC website at, http://fufc.org/strategic_plan.php.

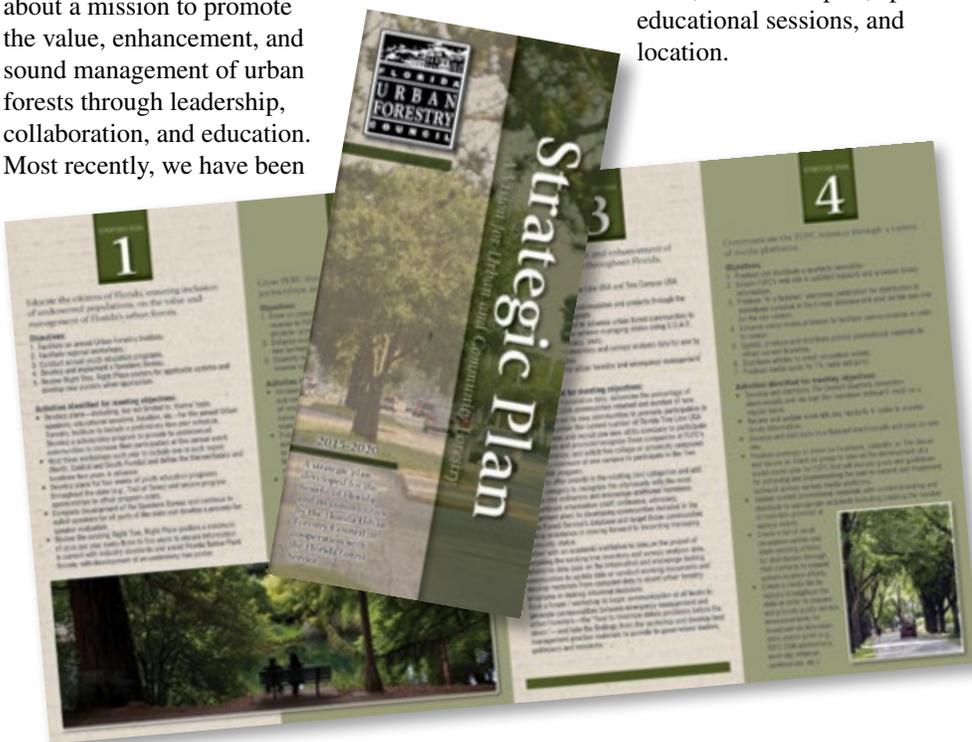


Urban Forestry Institute (UFI): This issue of *The Council Quarterly* newsletter will be at the UFI 2020 conference being held in DeLand at Stetson University on March 4-6. The UFI conference committee members are actively talking about plans for 2021—including, but not limited to, a conference theme, tentative topics, speakers, educational sessions, and location.



Tree Circus: The Education Committee will be clowning around with trees with the return of Tim Womick's TreeCircus (formerly known as Trail of Trees). TreeCircus is a tree-mendous interactive, educational and captivating stage show. TreeCircus covers it all--from urban forestry, tree vocabulary, tree benefits, to basic tree biology. TreeCircus is "Edutainment" under the Big Top of Trees. Read more about "TreeCircus" in *The Council Quarterly* newsletter 2018, Issue 2 and "Trail of Trees" 2007, Issue 3.

Other Topics of Discussion: Other topics of discussion can be found within the pages of *The Council Quarterly* newsletter, *In-A-Nutshell* monthly e-bulletin, and our dedicated social media sites--Facebook, Twitter and Instagram.



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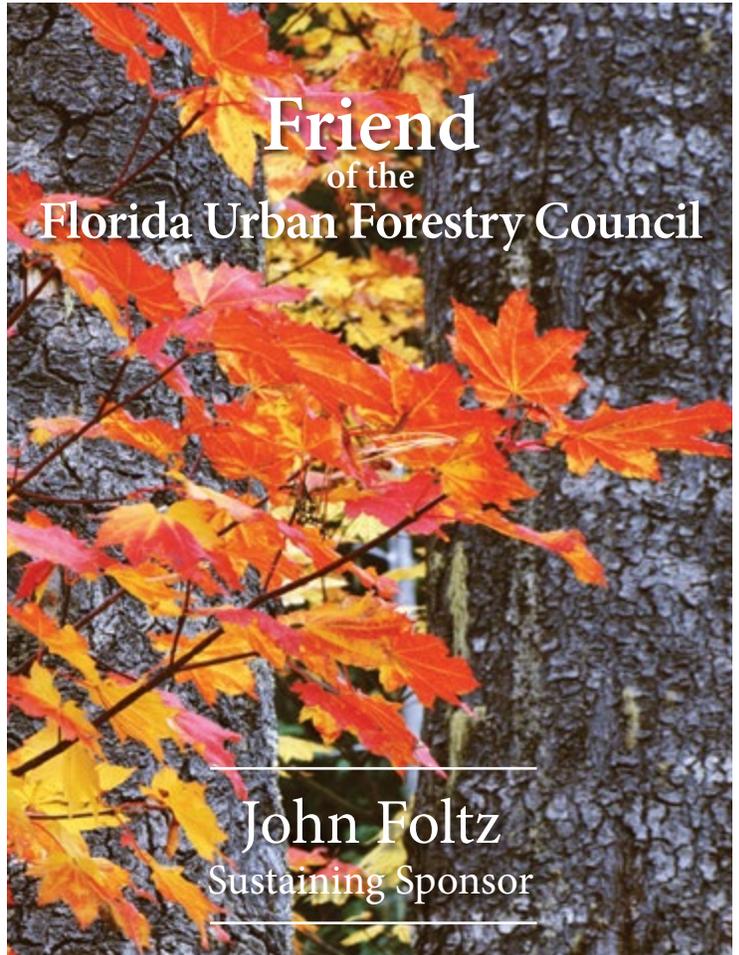


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Contact your Nelson representative today to discuss your vegetation management needs:

Bob Turner Jr. at 1-856-694-4100



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Help Us
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Join Us

Our members are the lifelines of our mission.
Thank you for your continued support.

New and renewed members through December 31, 2019. Please let us know if we fail to mention your name.

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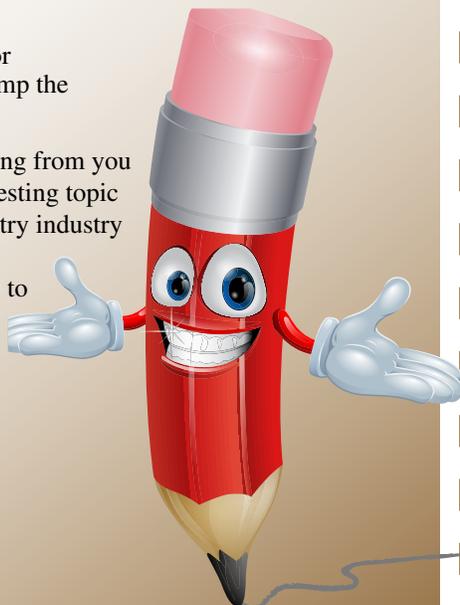
REQUEST FOR ARTICLES

Please let us know what urban forestry projects you have going on in your neck of the woods. The Florida Urban Forestry Council would greatly appreciate the opportunity to share your information in our newsletter. These articles can include:

- New trends in the industry
- News about tree advocacy groups
- Volunteer projects
- City tree programs
- Letters to the Editor
- Questions for "Stump the Forester"

We look forward to hearing from you on this or any other interesting topic related to the urban forestry industry and profession. Please send any articles or ideas to Joe Anderson, FUFC newsletter editor, at andejs@jea.com.

Thanks for contributing!



MEMBERSHIP APPLICATION

(Dues are effective for the calendar year of January 1 - December 31)

Make check or money order payable to FUFC and mail to:

Post Office Box 547993, Orlando, FL 32854-7993

Categories (please check one):

- Professional @ \$25.00**
(Professional membership is open to anyone who is actively working in the profession of Urban Forestry or any related profession.)
- Tree Advocate @ \$20.00**
(Tree Advocate membership is granted to those volunteers who are members of a tree board, beautification committee or other Urban Forestry volunteer group, and/or an interested citizen.)
- Supporting @ \$200.00**
(Supporting membership is granted to those individuals, groups or other entities expressing a desire for a strong supportive role in the Council. Membership will be granted for up to five individuals of an organization or business.)
- Government/Non-Profit Agency @ \$100.00**
(Government/Non-Profit Agency membership is granted to those individuals, groups or other entities actively working in the profession of Urban Forestry or any related profession. Membership will be granted for up to five individuals within the agency.)
- Student @ \$10.00**
(Student membership is granted to anyone who is actively enrolled as a full-time student and who is considering pursuing a career in Urban Forestry.)

Name: _____

Title: _____

Firm: _____

Address: _____

City: _____

State: _____

Zip: _____

Telephone: (____) _____

FAX: (____) _____

E-mail: _____

Amount Enclosed: _____ Date: ____/____/____

Would you be interested in further information regarding serving on a Council subcommittee? Yes No

Area of interest: _____



FLORIDA URBAN FORESTRY COUNCIL
 Post Office Box 547993
 Orlando, FL 32854-7993



For more information or change of address, please contact the FUFUC:

Phone: (407) 872-1738
 Fax: (407) 872-6868
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 Elected Position
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Kathleen Brennan, *Appointed Position*

- Florida League of Cities

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- FRPA
 Hillsborough County

Jody Buyas, *Appointed Position*

- Advisory Member
 City of Orlando

David Fox, *Appointed Position*

- Advisory Member
 UF/SFRC

Elizabeth Harkey, *Elected Position*

- City Arborist
 City of Sanford

Julie Iooss, *Appointed Position*

- FL Chapter ISA
 Retired – City of Orlando

William “Bill” Lester, *Appointed Position*

- Cooperative Extension Service
 Hernando County Extension Office

Mark Miller, *Appointed Position*

- Advisory Member
 City of Apopka

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Ricky Peterika, *Elected Position*

- Member-at-Large
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- Member-at-Large
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- Tree Advocacy
 Enchanted Walkabouts

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- Utility Forester
 SECO Energy

Mark Williams, *Elected Position*

- Member-at-Large
 City of Fort Lauderdale

Ian Wogan, *Elected Position*

- Private Arborist
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Vacancy - Advisory Member

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- Florida Forest Service Liaison

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Sandy Temple

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