



# The Council Quarterly

Quarterly Newsletter of the Florida Urban Forestry Council

2022 Issue Two

The Council Quarterly newsletter is published quarterly by the Florida Urban Forestry Council and is intended as an educational benefit to our members. Information may be reprinted if credit is given to the author(s) and this newsletter. All pictures, articles, advertisements, and other data are in no way to be construed as an endorsement of the author, products, services, or techniques. Likewise, the statements and opinions expressed herein are those of the individual authors and do not represent the view of the Florida Urban Forestry Council or its Executive Committee. This newsletter is made possible by the generous support of the Florida Department of Agriculture and Consumer Services, Florida Forest Service, Nikki Fried Commissioner.

## LIVING INFRASTRUCTURE

Submitted by J. Scott Angle, Andra Johnson and Ed Bravo

With urban forest management, Arbor Day events, and the planting of trees, we pay homage to trees as work horses, not show horses. They cool urban heat islands, sequester carbon, shelter wildlife, and filter air and stormwater. There’s even been research indicating they reduce car crashes by reducing the speed of traffic.

It’s important to treat trees as planned, primary infrastructure, not simply accent features and afterthoughts. In a family framework of infrastructure, shrubs and groundcover are a tree’s smaller siblings, and their concrete cousins may include streets, sidewalks, storm drains, retention walls, and utility poles.

Expertise will allow us to plant trees strategically as we develop, maintain, renovate, and advance built environments.

Universities will provide the research, science, and team leaders to join business and industry professionals to foster expertise. Certifications, professional development, training, and experience will also have a part to play.

Expertise should be employed from the start - the moment one decides to build. That made a big difference in the Tioga

community, northwest of Gainesville. Twenty-five years ago a nurseryman

partnered with a developer. Together, they continue to add homes and greenery to a community that combines modern amenities with the style of an old Southern town.

*“Trees - just as streets, underground utilities, and sidewalks - were integrated into the early planning as living infrastructure.”*

Trees - just as streets, underground utilities,

and sidewalks - were integrated into the early planning as living infrastructure. As a result, tree conflicts and root damage to roads, underground utilities and sidewalks have been avoided. Shade from the canopy of trees has increased the comfort and use of walking trails, playing fields, and other recreational amenities. Their beauty

*continues on page 3*



### INSIDE:

Living Infrastructure.....	1 & 3
President’s Message.....	2
A Florida Urban Forestry Council Timeline .....	4-5
PLTs New trees & Me: Activities For Exploring Nature With Young Children.....	6
Member Profile.....	6
Tree of the Quarter.....	8-9
Stump the Forester .....	10-11
Arbor Day Foundation Tree Programs and Participants.....	12
Past Presidents.....	14
Request for Articles .....	15

# PRESIDENT'S MESSAGE



On behalf of the Executive Committee, I would like to thank you for taking the time to read this issue of *The Council Quarterly* newsletter and for being an active member of the Florida Urban Forestry Council (FUFC). Your FUFC membership allows the Council to continue its mission to promote the value, enhancement, and sound management of urban forests through leadership, collaboration, guidance, and education.

Your membership brings you into a community of highly skilled and dedicated urban forestry professionals and advocates across the state of Florida. We are a community that is here to work together. It is our collective time, dedication, talent, experience, and financial support that allows the Council to exist and thrive.

I often get asked by FUFC members, “What can I do?” or “How can I help make a difference?” My response is to *take action*. Joe Anderson, our Immediate Past President, said it best, “Urban Forestry is not a noun. It is a verb. It is an *action* word.” We need your help to educate our fellow Floridians on the benefits of urban trees and urban forest management.

I wholeheartedly agree with the sentiments expressed in this issue’s *Living Infrastructure* article. We can no longer allow urban trees to be treated as if they are disposable. We need to continue our work to educate stakeholders in the public, private, and governmental sectors that trees and the

urban forest are living infrastructure that need to be managed and protected.

How can you take action? Educate, educate, educate. Educate children. Educate your friends and family. Educate your community. The FUFC is here to help you do just that.

When educating children, we cannot start soon enough. The article “*PLT’s New Trees & Me: Activities For Exploring Nature With Young Children*” is a great resource that can be shared with parents of children ages 1-6. We need to get tree-related resources in the hands of our educators, parents, and children. These activities help to cultivate the love of trees in our youth, our future generation. It teaches children to see trees as dynamic and living organisms and helps them develop a connection with the natural world. Please help us share this content!

The FUFC Executive Committee is currently developing a webpage on the Council’s website (<https://fufc.org/>) dedicated exclusively to youth educational resources. We recently had a mother of two Boy Scouts write us a Thank You note. The boys found a plethora of good information on our website and it helped them earn their Forestry badge. We want to continue to make it easy for children to learn more about trees, and what better way to do that than on our website. A platform that is available and free to all, 24/7.

FUFC provides wonderful tree-related resources on our social media platforms. Please join us on Facebook, Instagram, and Twitter. Share the information with your friends and family. Sharing our posts is an excellent way to take action and inform those around you on the value of trees and the work that you do. Trees are important. They are to be valued and enjoyed.

Finally, educating your community is essential. There are two easy ways

you can share information to help your community’s forest. (1) Perhaps you are a tree advocate or professional that is very involved in managing the City’s urban forest. Please be sure to view our webpage dedicated exclusively to managing an urban forestry program: <https://fufc.org/soap-resources/>. This webpage has resources on S.O.A.P. This acronym stands for the components needed to manage an urban forest: staff, ordinances, advocacy, and plans. Viewing and sharing these resources can influence other urban forests stakeholders and may build support for the management of your community’s trees and forests. (2) This issue has an article on the Arbor Day Foundation programs that can assist communities with becoming Tree City USA or perhaps help schools with becoming a Tree Campus K-12. Learn more about these programs and share this information with your local city or school.

How you chose to be active and how you chose to educate is limitless, but I can guarantee every bit of information and inspiration that you share makes a difference. I often think of it as a ripple that continues far beyond our comprehension but is felt by many. Education is so crucial to our mission. With your help, we can grow a better tomorrow for our State’s urban forest.

As always, thank you for being a member of the Florida Urban Forestry Council. We need and appreciate you!

Gratefully,  
*Erin Givens*  
FUFC President



has attracted visitors and an economy to Tioga. The nurseryman's familiarity with tree stock, soil requirements, and climate conditions guided the selection of trees that would live and remain healthy for three quarters of a century.

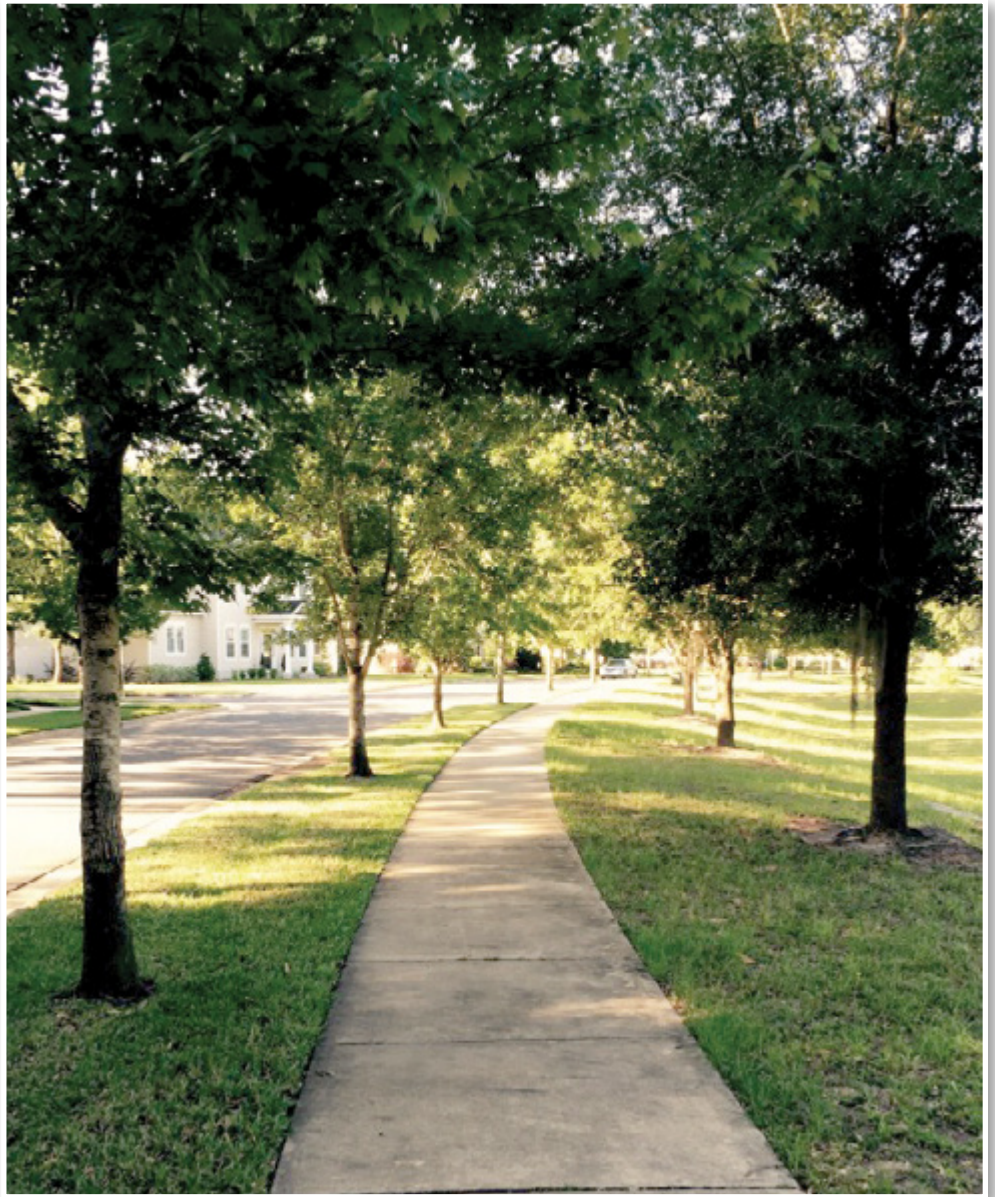
We shouldn't take that for granted. Some research estimates the average lifespan of an urban tree to be as little as 13 years. A USDA study says we're losing tens of millions of city trees from development, fire, hurricanes, insects, and disease—and tens of millions of dollars in the payoffs that healthy urban forests could deliver.

Treating urban trees as if they are disposable needs to stop. It's a challenge to enlighten both professionals and homeowners about the proper care and management of trees, forests, and living infrastructure. In Florida we need more city arborists. We need better understanding of how trees function and their site requirements. We need to know more about which trees are most resilient to hurricanes so we can avoid injury to people and damage to property. We need to invest in the health of our living infrastructure. All this will require science, research, and engaged students and faculty.

The University of Florida Institute of Food and Agricultural Sciences (UF/IFAS) School of Forest, Fisheries, and Geomatics Sciences (SFFGS) is adding faculty members with the capability of employing artificial intelligence to the study of urban trees. For example, advanced technology of AI-equipped drones allow us to count citrus trees with 98 percent accuracy. Think of how this could help monitor urban tree inventories.

The new UF/IFAS Dean of Extension—the university's leader of statewide outreach of university-based science to 22 million Floridians - has three degrees in urban forestry. Florida has Extension agents active in urban forestry in Jacksonville, Tampa, Gainesville, and other cities. Together, UF/IFAS and SFFGS, are preparing the next generation of natural resource professionals to help manage Florida's future forests.

In private industry, the Florida Nursery, Growers and Landscape Association (FNGLA), and other professional



organizations are getting involved and weighing in on public policy regarding trees and urban forests. Landscape architects, nurserymen, and other tree-care professionals have established relationships with urban planners that make it more likely that the right trees will be planted in the right places, at the right times.

This nation is about to invest more than a trillion dollars in its roads, bridges, ports, and tunnels. When moving Florida forward, let's not forget that trees are an essential element of our infrastructure.

*J. Scott Angle is the University of Florida's Senior Vice President for Agriculture and Natural Resources and leader of the UF Institute of Food and Agricultural Sciences (UF/IFAS).*

*Andra Johnson is the UF/IFAS Dean of Extension and Director of the Florida Cooperative Extension Service. He has Bachelor's and Master's degrees and a Ph.D. in urban forestry.*

*Ed Bravo is a past president of the Florida Nursery, Growers and Landscape Association, general manager and partner of Big Trees Plantation in Newberry, which designed, developed and maintains the landscaping for the Town of Tioga.*

# A FLORIDA URBAN FORESTRY COUNCIL TIMELINE

Submitted by the FUFUC Communication Committee

A very brief synopsis about the Florida Urban Forestry Council (FUFUC) is provided under the “ABOUT US” tab on the [fufuc.org](https://fufuc.org/history) website (<https://fufuc.org/history>). It opens the story in 1990 with a vision and basic blueprint for the stakeholders, caregivers, and stewards of urban forestry. The early framework was adopted on **April 10, 1991**, as the FUFUC was incorporated to act on behalf of urban forest, urban forest management, and urban forest issues in the state of Florida.

Actually, the story of a statewide approach to urban forest management started nearly 20 years earlier. In 1970, the U.S. Forest Service selected Florida – and two other states – to pilot an urban forestry technical assistance program. In 1971, a tree-minded Florida Legislature amended the State’s existing County Forester Law (F.S. 589.28) making it possible for County Commissioners and municipalities to enter into legal contracts with the Florida Department of Agriculture and Consumer Services (FDACS) through the Department of Forestry (DOF) – referred to today as the Florida Forest Service (FFS). In effect, Federal urban and community forestry programs and resources would be channeled through the state’s Forest Service. Urban forestry resources, initiatives, and communities took root and began to sprout. Municipal and utility arboriculture was put into practice with professional foresters and arborists on staff; private tree care professionals and consulting agencies were sponsoring solutions; tree protection ordinances were drawn; tree advocacy groups were formed; and urban forestry plans were developed. The business of urban forestry was underway with staffing, ordinances, advocacy, and planning (S.O.A.P.) principles.

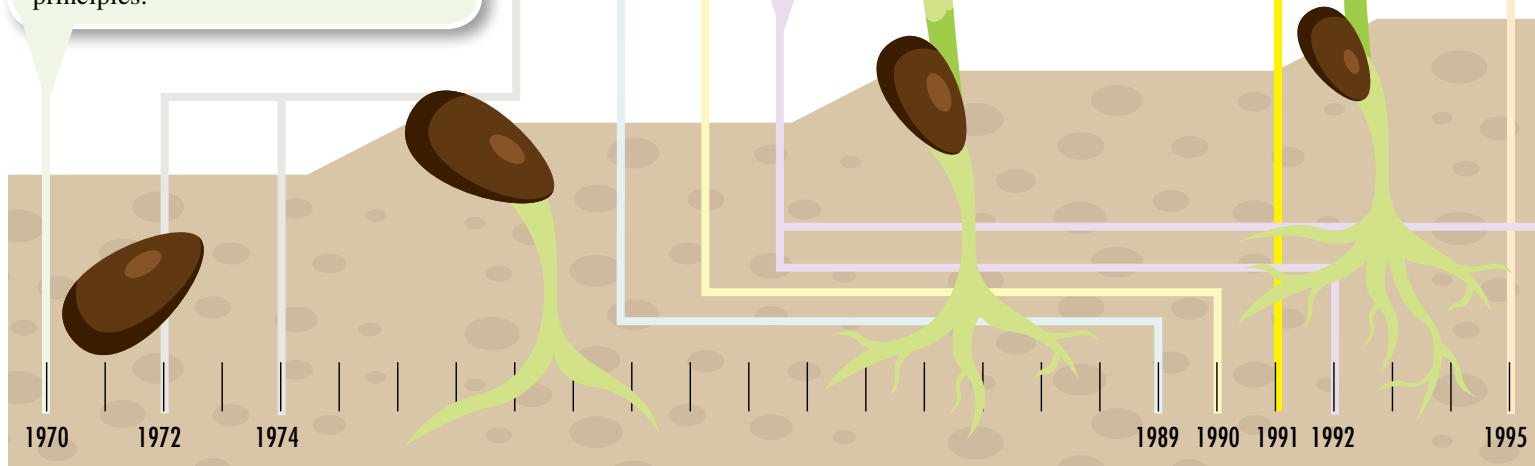
By 1972 urban forestry programs were initiated in Metropolitan Dade County, Fort Lauderdale, Jacksonville, and Hollywood, Florida. By 1974, the numbers grew to thirteen additional urban-oriented forestry projects.

In 1989, the DOF hosted the first annual Urban and Community Forestry Conference, at St. Augustine, FL. Following its creation, subsequent annual conferences were administered by the talent and expertise of the FUFUC.

By 1990, the groundwork was set for FUFUC to enter the stage with a script that included the vision, mission, players, and bylaws for its founding organization.

In 1992, a FUFUC awards program was established to recognize outstanding professionals, individuals, advocacy groups, projects, and programs in urban forestry. In 2009 the awards program transformed into, the “Friends of Our Urban Forests” awards program.

By 1995, the capacity of the FFS to provide staffing for urban forestry programs was reduced. Urban forestry assistance through the FFS would now fall on a network of county foresters. Local municipalities, private industry, and tree advocacy groups would take on a larger role and ownership of urban forestry programs and initiatives. Technical and financial support for the FUFUC would continue. FUFUC entered a legal contract with the FFS with its first Strategic Plan. The Strategic Plan was reviewed at ten public meetings throughout Florida, including Pensacola, Tampa, Tallahassee, Fort Myers, Jacksonville, Bradenton, Gainesville, North Miami, Orlando, and Fort Lauderdale. The Strategic Plan is reviewed and revised every five years. The 5-year Strategic Plan is accomplished by the goals, objectives, and action items identified in 5 consecutive annual work plans.





Since 1997, through the financial assistance of FFS *Urban and Community Forestry* grants, the FUFCC was able to develop “*Trees Love Care*” flyers; *Right Tree/Right Place* posters; educational workshops; and *Trees 4 Florida* public service announcements; and hire a part-time Executive Director. The Executive Director position became full-time in 2003.

In 2000, FUFCC began an eight-year partnership with Florida Chapter of the International Society of Arboriculture (ISA) to co-host an annual *Trees Florida Conference*.

In 2001 the FUFCC website [www.FUFCC.org](http://www.FUFCC.org) was launched.

*Trail of Trees* youth programs were sponsored throughout Florida schools by 2004.

By 2008, with proceeds from the *Trees Florida Conferences*, and co-sponsorship from ISA-Florida, the John P. White Memorial Scholarship was established to support students pursuing careers in Florida’s arboriculture industry, or related field. Financial assistance was provided for undergraduate, graduate, or other advanced education programs.

By 2009, the FUFCC began production of *The Council Quarterly* newsletter. Production of a full-color newsletter and digital distribution began in 2010.

In 2012, the FUFCC held its first annual Urban Forestry Institute (UFI) conference, in Orlando, FL. At this first UFI event, S.O.A.P. was introduced as an acronym for Staffing, Ordinance, Advocacy, and Planning – four key components for successful urban forestry management. In 2021, the FUFCC launched its first UFI in a virtual format.

In 2013, *Tree of the Quarter* and *Stump The Forester* became permanent fixtures inside the pages of *The Council Quarterly* newsletter.

By 2015, the FUFCC joined the digital age. The e-bulletin *In-A-Nutshell* was up and running providing timely, urban forestry-related information and updates about what was happening around the state. The FUFCC also launched its first social media sites including Facebook, Twitter, and Instagram.

Through the years, the FUFCC has continued to increase its structural canopy and dripline. The benefits will continue to mature as the organization matures and grows. The FUFCC would like to extend a heartfelt “thank you” to all those that have helped, that are helping, and will long into the future, help the FUFCC promote the value, enhancement, and sound management of urban forests through leadership, collaboration, guidance, and education.

Graphic elements provided by Vecteezy

# PLTs NEW TREES & ME: ACTIVITIES FOR EXPLORING NATURE WITH YOUNG CHILDREN

Submitted by the FUFCC Communication Committee

Project Learning Tree's *Tree & Me: Activities for Exploring Nature with Young Children* combines the fascination that children ages 1-6 have for trees with research-based findings about the lifelong benefits of early exposure to nature. Through hands-on experiences organized around 12 topics, children are engaged and learning, both indoors and outdoors. Families and caregivers, childcare providers, and early childhood educators can easily adapt *Trees & Me* to meet each child's unique needs, the different environments where they live, and the materials available.

## Trees & Me and Urban Forests

Introducing young children especially in urban areas to trees is critical. When we share trees and nature with young children, we can help them develop an awareness and appreciation for their natural world. Connecting kids to nature and the outdoors improves their emotional and physical well-being, enhances learning, promotes positive social behavior, and makes them more likely to care about their environment. Creating opportunities to interact with young children, (preschool, events, festivals, etc.) and using activities from the *Trees & Me* guide is an easy tool to help you connect young children with nature in their urban world.



## MEMBER PROFILE



### What is your Name?

John Snow

### What is your organization or business?

My company is *Tree Check Up*, an online community for serious arborists. I also consult for homeowners associations, private residential properties, and commercial properties, focusing on developing management plans, tree assessments, Tree Risk Assessments (TRAQ), and tree preservation plans.

### What is your role/title?

I am the owner and Community Experience Director for *Tree Check Up* and a partner in *Platinum Tree Management*.

### How long have you been involved with urban forestry?

I've been involved with urban forestry since 1993 while I was in college at Western Illinois University, an ISA certified Arborist in 1996, and Board-Certified Master Arborist (BCMA) since 2005. I was one of the very first individuals to pass the BCMA Exam.

### What is the most rewarding part of your urban forestry career?

The most rewarding part of my career is working with people who are passionate about caring for and conserving trees and natural environments. As part of the online community, my goal and passion are to help other Arborists learn more about our urban forests and trees in general and help develop the next generation of Arborists and Urban Foresters.

### Why did you join the FUFCC?

When I was looking to relocate to Florida, one of the first things I did was explore the different organizations throughout the state. That's how I learned about the Florida Urban Forestry Council. I looked at the FUFCC mission and resources and thought this is a great organization that would help further my consulting practice. I joined and attended my first Urban Forestry Institute (UFI) two years ago and have been involved since. I never imagined that I would

volunteer to serve on a committee, but I'm glad I did. It allows me to be part of shaping the future of our industry and allows me to network with other professionals who may not necessarily be Arborists. I believe that the management of urban forests requires a diverse, multidisciplinary approach which is exactly what FUFCC offers.

### Is there anything you would like to promote about yourself or your business to the FUFCC membership?

I'd be interested in connecting with anyone who needs a leading Tree Care authority on Homeowners Associations or those interested in Tree Preservation projects. Also, I would like to extend the opportunity to join *Tree Check Up Pro* to anyone serious about Arboriculture and the management of urban forests. The online community is a place to learn, earn CEU's, grow your career, and network with other professionals throughout the US and Canada. It is not restricted to only being an ISA Certified Arborists but rather anyone that is a serious Arborist or Urban Forester. If either of these interest you, email me a [JohnSnow@TreeCheckUp.com](mailto:JohnSnow@TreeCheckUp.com).

### Is there anything else you would like to add (i.e. favorite activities, kids, dogs, etc.)?

Of course, I enjoy looking at trees. I do a lot of reading and enjoy the occasional movie. I also have six children and three cats.



# Wedgle<sup>®</sup> Direct-Inject<sup>™</sup> TREE INJECTION SYSTEM

Our advanced technology for tree treatment allows you to

## INCREASE THE NUMBER OF TREES YOU TREAT IN A DAY!

- ◆ No drilling damage
- ◆ No mixing at job sites
- ◆ No guarding or return trips
- ◆ No waiting for uptake
- ◆ Treats most trees in five minutes or less!
- ◆ Successful and most profitable add-on service



Multiple injection tips designed for all types of trees, conifers and palms



Insecticides • Fungicides • PGRs • Antibiotics • MicroNutrients

AVAILABLE AT:

# WINFIELD<sup>™</sup>

855-880-0048

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

## ArborSystems

Tree Injection Solutions  
[ArborSystems.com](http://ArborSystems.com)



# Tree of the Quarter

**SOUTHERN MAGNOLIA**  
*(Magnolia grandiflora)*

Submitted by Joe Anderson – ISA Arborist and Utility Forester for JEA



Few tree species can rival *Magnolia grandiflora* for its stunning display of grandeur, majesty, and distinction – especially when mature and in bloom. Native to the southeastern U.S., and emblematic of the American South, the stately aristocrat is commonly known as the Southern magnolia - the most well-known magnolia in Florida. As an ornamental the magnolia can be an outstanding landmark in any landscape, with large, glossy, evergreen leaves and lovely white blossoms. The specific epithet is derived from the Latin words *grandis* “big” and *flor* “flower.” The name magnolia is derived from the French botanist Pierre Magnol (1638-1715) – director of the botanical garden at Montpellier, France. Once established, the Southern magnolia requires low maintenance regarding survival, but some may consider the litter of large, leathery leaves and seed pods a nuisance.

#### Habitat/Environment:

Southern magnolia can be found in mixed stands along coastal bottomlands. It adapts well in fertile, sandy, well drained, acidic soils. It grows naturally from Virginia south to central Florida, and west to eastern Texas;

hardiness zones 7-9. It grows in several Florida’s ecological areas – typically shady, well-drained soils, and exhibits relatively slow growth. The tree can tolerate partial shade, but the densest form and flowering occurs in full sun. Once established S. magnolia is the most drought-resistant of other magnolias.

#### Form:

Attractive upright and slightly spreading canopy; having a growth potential of 80 ft. tall with a canopy spread of 40 ft. wide. Typically forms a tall, straight bole and somewhat pyramidal crown. To avoid utility conflicts, the recommended setback from overhead power lines is 50 ft. The mature magnolia lends itself well for directional pruning when mitigating conflicts with urban infrastructure; and slow growth lends itself well for routine cyclic pruning schedules for utilities or right-of-way corridors.

#### Leaves:

Large, simple, thick, glossy/lustrous, dark green, oval-shaped leaves are persistent, forming a dense, evergreen canopy. Leaves are long and leathery – 6”-10” long; and having woolly undersides varying from pale green to rusty color. The top waxy surface of the leaves creates a shiny appearance and some tolerance for salt spray and pollution.

#### Bark:

Smooth to slightly scaly texture, commonly light grey in color.

#### Roots:

Relatively shallow roots. The wide-ranged root system can expand 4 times the canopy width. Large, flexible, aromatic, rope-like roots tend to grow horizontally, not vertically, and close to the soil surface. The roots can cause uplift and damage to adjacent concrete surfaces if planted too close to walkways and driveways. Roots will seek water.



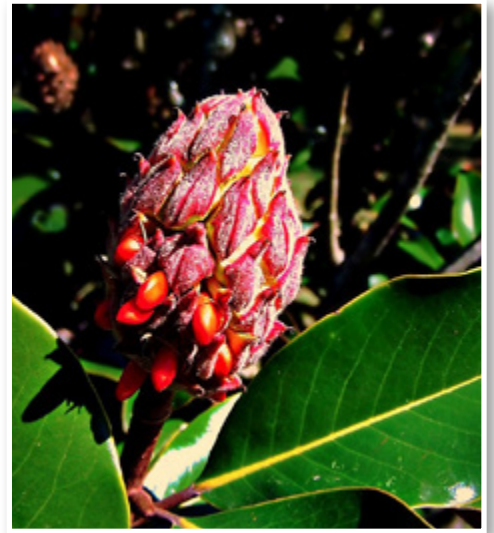


### Flowers:

Exceptional blossoms – large and showy. Commonly 6”-8” across. Powerfully fragrant. Flowers can possess 6-12 petals. Most often white, but depending on the species flowers can be cream, pinkish, or yellowish in color. Flowers do not produce true nectar, but they do produce sugary secretions and large quantities of pollen.

### Fruits:

Dark brown pods/cones 3”-4” long, with velvety surface, and bright red seeds in the fall. The seeds are not edible and mildly poisonous for humans, but are a good food source for birds, small mammals, and other wildlife.



### Uses or Usefulness:

The Southern magnolia is an outstanding ornamental as a center piece in a landscape or collectively grown to form effective wind blocks, and sight and/or sound barriers. Magnolia wood is ranked moderate in heaviness, stiffness, low shrinkage, bending, and compression strength. The wood is used for timber, cabinets, veneers, and crates.

### Little known facts:

- Average life span 80 years; maximum life span 120 years.
- According to the Smithsonian, fossils reveal that magnolias have been around since the Cretaceous period. While there were dinosaurs at that time, bees still did not exist. Magnolias evolved to be pollinated by ancient beetles.
- State tree of Mississippi.





# STUMP THE FORESTER

**QUESTION:** How do trees help mitigate storm water, or flooding issues?

**ANSWER:** In a single word, “naturally.” Trees and forest systems help mitigate storm water and flooding issues naturally. Trees are evolutionarily designed to survive and thrive as living pumps. The vascular and root systems are living pipes. Through the process of transpirational pull, water is absorbed by osmosis from soils at the roots and released as vapor back into the air at the leaf. The vascular tissues (xylem & phloem) connecting roots and leaves operate as cellular pipes that provide a continuous column of water through the trunk, branches, and twigs. Water escaping through the leaves pulls water up through the water column with the forces of adhesion, cohesion, and pressure gradients. The movement of water in the xylem, and photosynthates in the phloem, are examples of longitudinal, or axial transport. Simply put, trees are designed to pump water. There is no better mechanism made by man or created by nature more

effective than trees at pulling available water from the capillary space in saturated soil. Did you know that a mature shade tree, on a hot summer day, can release 30-40 gallons of water a day through the natural process of transpiration? The amount of water released will depend on the tree species, canopy size, site conditions, and weather. However, severe, or prolonged flooding can deplete the soil of free oxygen needed for aerobic respiration. If saturated conditions persist for long periods of time roots will die and the natural pump will cease to operate.

Trees and forests are effective, practical, and desirable tools when managing stormwater runoff. This is especially important in urban, suburban, and land-use areas where natural systems, prior to development, have been disrupted or altered.

Trees are important components of effective green stormwater infrastructure – if planned, installed, and maintained properly.



Within city rights-of-ways trees – tall, natural, long-lived, arbor-pumps – will share space with other utilities. Shaping and maintaining the tree will be necessary

*Continues on page 11.*

## 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

JOHN HOLZAEFFEL, CA, TRAQ  
(352) 238-0917

ERIC HOYER, CA, RCA, TRAQ  
(888) 670-0734

CHARLIE MARCUS, CA, TRAQ  
(850) 570-5963

STAN ROSENTHAL, TRAQ  
(850) 508-6771

JAY YOGEL, CA  
(352) 238-0458

## LEGACY ARBORIST SERVICES

A DIVISION OF NRPS FOCUSED ON PROVIDING INNOVATIVE SOLUTIONS FOR MANAGING THE URBAN FOREST

Tree Inventories and Management Plans

Tree Protection Strategies

Tree Appraisals and Risk Assessment

Tree Ordinance Analysis

Tree Health Care Treatments

Expert Witness Testimony

Educational Workshops

i-Tree/Environmental Analysis



CREATING A LEGACY, GROWING YOUR. FUTURE SINCE 1974

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



for an arbor-pump to safely operate near overhead electric lines. As wood, trees are not a good conductor of electricity, but the live vascular system can be a great conductor. The column of water within the vascular tissue has conductive material within the sap – iron, potassium, water, salts, carbon, and other minerals. Even the air space along the surface of a tree can provide an electrical path to ground.

Increasing canopy cover alone may not substantially decrease the problems associated with stormwater and flooding. However, when trees are installed with permeable soil designs the benefits and effectiveness of trees/forests can be substantial.

In urban and highly developed areas, storm water will flow over various impervious surfaces and bypass a tree's ability to capture, reduce, store, and transpire runoff. Overflow becomes a nonpoint

source pollutant as it picks up, carries, and discharges motor oil, lubricants, asphalt salts, litter, and other hazardous substances into nearby lakes, rivers, and aquatic systems.

Leaf litter accumulating on impervious surfaces can itself become a pollutant. Timely litter management is essential when integrating trees into existing storm management systems. Leaf litter falling on pervious surfaces are effectively cycled in the soil underlying trees.

Incorporating natural/forest areas into stormwater regulations and management designs is beneficial environmentally and economically. The cost of installation and maintenance is justifiable relative to other infrastructure alternatives. The overall benefits are not limited to the reduction of overland water flow, increased water infiltration, and the drawing of water from saturated soils. There is a whole host of co-

benefits (air filtration, carbon sequestration, water quality, cooling effects, aesthetics, wildlife habitat, sight & sound barriers, increased property value, recreational, and employment opportunities) urban trees/forests will contribute to planned designs.

How best to integrate trees/forests into existing stormwater utility programs and infrastructure is another question. In a single word, the answer is, "teamwork." Design engineers, hydrologists, urban foresters, arborists, private tree care professionals, landscape architects, policy makers, tree advocates, informed civic organizations, and other urban forest partners will be needed to install and maintain trees and forest systems to optimal health and function.

*Answer provided by Joe Anderson – JEA Utility Forester, ISA Certified Arborist*



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

# ARBOR DAY FOUNDATION TREE PROGRAMS AND PARTICIPANTS

Submitted by the FUFC E-Resources Committee



The Arbor Day Foundation promotes a suite of nationwide tree programs including, but not limited to, *Tree City USA*®, *Tree Line USA*®, *Tree Campus K-12*SM, *Tree Campus Higher Education*SM, and *Tree Cities of the World*TM. Details about the Arbor Day Foundation programs can be found at <https://www.arborday.org>. The qualifying participants may be operating in your neck of the woods. These tree-mendous organizations may have the resources, expertise, and incentive to collaborate with local tree-related interests and initiatives when fulfilling their respective program requirements. Do you have a local interest in planting and protecting trees? Perhaps you should be reaching out to the participants of these programs? You may each have the solutions to fulfil one another's needs.



**TREE CITY USA**

## Tree City USA®

Tree City USA® program provides the framework necessary for communities to manage and expand their public trees. The program's four core urban forestry management standards include:

- (1) an established tree board or department;
- (2) an existing tree ordinance;
- (3) an urban forestry budget; and
- (4) an Arbor Day observance.

Tree City USA® communities in Florida can be found at <https://www.arborday.org/programs/treecityusa/treecities.cfm?chosenstate=Florida>



## Tree Line USA®

The Tree Line USA® program recognizes the best practices in public and private utility arboriculture and demonstrating how trees and utilities can co-exist for the benefit of communities and citizens. The Arbor Day Foundation collaborates with the National Association of State Foresters on this initiative. The program's five, core utility arboricultural standards include:

- (1) quality tree care;
- (2) annual worker training;
- (3) tree planting and public education;
- (4) tree-based energy conservation program; and
- (5) an Arbor Day observance.

Tree Line USA® utilities in Florida can be found at <https://www.arborday.org/programs/treelineusa/directory.cfm>.



## Tree Campus K-12SM

The Tree Campus K-12SM program inspires the next generation of tree stewards through experiences that bring the benefits of trees to life inside and outside the classroom. The program is in collaboration with Project Learning Tree (PLT) and the Sustainable Forestry Initiative (SFI). The program encourages schools to create purposeful opportunities for students to interact with trees. The four program requirement goals include:

- (1) a tree campus team;
- (2) a tree-related education plan;
- (3) a hands-on experience; and
- (4) an Arbor Day observance.

Examples and case studies can be found at, <https://www.arborday.org/programs/tree-campus-k-12/case-studies/index.cfm>.



## Tree Campus Higher EducationSM

The Tree Campus Higher EducationSM program helps two and four-year accredited colleges and universities establish and sustain healthy trees and student involvement on campuses. The five core standards include:

- (1) an existing campus tree advisory committee;
- (2) a campus tree care plan;
- (3) a campus tree budget, or dedicated expenditures;
- (4) an Arbor Day observance; and
- (5) a service-learning project.

Tree Campus Higher EducationSM schools can be found at <https://www.arborday.org/programs/tree-campus-higher-education/campuses.cfm>.



## Tree Cities of the WorldTM

The Tree Cities of the WorldTM program is an international effort to recognize cities and towns committed to ensuring that urban forests and trees are properly maintained, sustainably managed, and duly celebrated. The five core standard requirements include:

- (1) designated tree care responsibilities;
- (2) a set of governing rules for the management of tree and forest resources;
- (3) an updated tree-related inventory;
- (4) allocated resource for the management of trees; and
- (5) an annual celebration of trees.

See who is recognized at <https://treecitiesoftheworld.org/directory.cfm>.



# Right Tree, Right Place Posters

## Order Today!

- Tree Selection Tips
- How to Plant Trees
- Area Guidelines
- What to Avoid
- Watering Guidelines
- Pruning Tips
- Charts & Illustrations
- Convenient Size Poster
- Informative for Everyone



**Central Florida Tree Selection Chart**

Common Name	Range	Native Range (mi)	Introduction Year	Tree Size (m)	Event	Soil Preference	Soil Moisture	Wind	Pruning	Notes
Live Oak	Florida	10.0 to 15.00	18	Small to slightly spreading	Round	All neutral soil	Medium to High	None	None	Shade tolerant, long-lived, dense canopy
Red Gum	Florida	20.0 to 25.00	18	Upright, spreading canopy	Round	Moist to wet	Medium	None	None	Shade tolerant, long-lived, dense canopy
Live Oak	Florida	10.0 to 15.00	18	Small to slightly spreading	Round	All neutral soil	Medium to High	None	None	Shade tolerant, long-lived, dense canopy
Live Oak	Florida	10.0 to 15.00	18	Small to slightly spreading	Round	All neutral soil	Medium to High	None	None	Shade tolerant, long-lived, dense canopy

**The Right Tree for the Right Place**

**Know Your Purpose for Planting**

**Enhance the Planting Site**

**Planting Time**

**Watering**

**Pruning**

**Soil**

**Planting Time**

**Watering**

**Pruning**

**Soil**

**Know Your Purpose for Planting**

**Enhance the Planting Site**

**Planting Time**

**Watering**

**Pruning**

**Soil**

**Planting Time**

**Watering**

**Pruning**

**Soil**

CENTRAL • NORTH  
FLORIDA REGIONS  
(South coming soon!)

1 to 25 @ \$10.00 each  
26 to 100 @ \$6.50 each  
101 to 1,000 @ \$5.00 each  
1,001 to 2,500 @ \$4.00 each



Order online or download an order form and fax or mail your order form to:  
 FLORIDA URBAN FORESTRY COUNCIL  
 Post Office Box 547993, Orlando, FL 32854-7993  
[www.fufc.org](http://www.fufc.org)



# Friend of the Florida Urban Forestry Council

John Foltz  
Sustaining Sponsor

## COUNCIL'S DISPLAY BOOTH

Whether it is an outdoor environmental event or conference trade show, The Florida Urban Forestry Council's display booth will help provide information about the Council and Urban Forestry educational resources for citizens and communities. To request the booth at your event email [info@fufc.org](mailto:info@fufc.org).



# Help Us Grow!



BECOME A MEMBER,  
FOLLOW & SHARE OUR SOCIAL MEDIA PROFILES

 /floridaurbanforestrycouncil

 /floridaurbanforestry

 /fufc\_org

 /company/florida-urban-forestry-council/



### FUFC PAST PRESIDENTS

Joe Anderson.....	(2020-2021)
John Harris.....	(2018-2019)
Linda Seufert.....	(2016-2017)
Justin Freedman.....	(2015)
Ken Lacasse.....	(2014)
Elizabeth Harkey.....	(2013)
Mary Lou Hildreth.....	(2012)
Jerry Renick.....	(2011)
John Holzaepfel.....	(2010)
Earline Luhrman.....	(2008-2009)
Celeste White.....	(2006-2007)
Mike Robinson.....	(2004-2005)
Mike Greenstein.....	(2002-2003)
Howard Jeffries.....	(2001)
Anna Dooley.....	(2000)
Julie Iooss.....	(1999)
Mike Conner.....	(1998)
John Tamsberg.....	(1996-1997)
Norm Easey.....	(1995)
Jeffrey Siegel.....	(1994)
Andy Kittsley.....	(1993)
Bill Reese.....	(1992)
Ed Gilman.....	(1991)
Steve Graham.....	(1990)



# 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, FUFCC newsletter editor, at [andejs@jea.com](mailto: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 FUFCC 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:

# NEWSLETTER ADVERTISING ANNUAL RATES:

*...in print,  
online,  
forever  
in our  
minds...*



- Business-card size advertisement: \$75
- Quarter page advertisement: \$115
- Half-page advertisement: \$225
- Full page advertisement: \$450

To place an advertisement in *The Council Quarterly*, please contact [info@fufcc.org](mailto:info@fufcc.org) or order online at <https://fufcc.org/advertising/>.

Clip and Mail Today!





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



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

E-Mail: [info@fufc.org](mailto:info@fufc.org)  
 Website: [www.fufc.org](http://www.fufc.org)

**CHANGE SERVICE REQUESTED**

Address Update:

- Please change my address as noted on the right.
- I receive duplicates. Please delete my name at right.
- Please remove my name from your mailing list.

## 2022 FUFUC EXECUTIVE COMMITTEE MEMBERS

**OFFICERS:**



**Erin Givens**  
*President*  
 Appointed Position  
 Advisory Member  
 Orlando Utilities  
 Commission



**Carolyn Cheatham Rhodes**  
*President Elect*  
 Advisory Member  
 Pinellas County



**Darryl Richard**  
*Vice President*  
 Elected Position  
 Advisory Member  
 FDOT - District One



**Steve Edgar**  
*Treasurer*  
 Appointed Position  
 SAF  
 City of Port Orange



**John Snow**  
*Secretary*  
 Elected Position  
 Member At Large  
 Platinum Tree  
 Management



**Joe Anderson**  
*Immediate Past President*  
 Appointed Position  
 Advisory Member  
 JEA

**COMMITTEE MEMBERS:**

**Kathleen Brennan**, *Appointed Position*  
 Florida League of Cities  
 Tallahassee

**Elise Cassie**, *Elected Position*  
 Member-at-Large  
 FL Project Learning Tree

**Brian Dick**, *Appointed Position*  
 ASLA/FL Chapter  
 City of Lakeland

**David Fox**, *Elected Position*  
 Member-at-Large  
 UF/FFGS

**Justin Freedman**, *Appointed Position*  
 FL Chapter ISA  
 Resource Environmental Solutions

**Kathy Hall**, *Appointed Position*  
 Advisory Member  
 City of Orlando

**Alex Hancock**, *Appointed Position*  
 Advisory Member  
 Plan It Geo

**John Harris**, *Appointed Position*  
 FNGLA  
 Earth Advisors, Inc

**William "Bill" Lester**, *Appointed Position*  
 Cooperative Extension Service  
 Hernando County Extension Office

**Marc Pierre**, *Appointed Position*  
 Advisory Member  
 Davey Tree Experts

**John Rohan**, *Elected Position*  
 Member-at-Large  
 Davey Resource Group

**Matt Shipley**, *Elected Position*  
 Tree Advocate  
 Community Greening

**David Watford**, *Elected Position*  
 Utility Forester  
 SECO Energy

**Mark Williams**, *Elected Position*  
 Member-at-Large  
 City of Fort Lauderdale

**Ian Wogan**, *Elected Position*  
 Private Arborist  
 True Tree Service

**Greg Wright**, *Appointed Position*  
 FRPA  
 City of Largo

**William Liner**  
 Florida Forest Service

**Matt Kennard**  
 Florida Forest Service

**Vacancy** - *Elected Position*  
 Member-at-Large

**Vacancy** - *FUFUC Executive Director*