In the Shade



NEWSLETTER OF THE ISA TEXAS CHAPTER

ÎSA TEXAS

Vol. 40, No. 4

November, 2016



In the Shade

is published six times a year
by the Texas Chapter,
International Society of Arboriculture.

Editor:
Rebecca Johnson
Rebecca@Arborholic.com
512-730-1274

Associate Editor:

Jeannette Ivy
jkivy@austin.rr.com

Advertising Representative:
John Giedraitis
JPG@ISATexas.com
979-324-1929
fax 979-680-9420



PRESIDENT'S LETTER by Lara Schuman



s your incoming president, I'd like to say what an honor it is to have this opportunity to serve the members of ISA Texas. I'd also like to sincerely thank Vincent Debrock, who served as president this past year, for all of his dedication and hard work. It was an amazing year for the chapter! We hosted two international events and showed the world that everything is not only bigger, but dare I say better, in Texas. We are very lucky to have so many people in this state who are willing to volunteer their time to help our chapter organize all of the conferences, workshops, climbing championships, and other events throughout the year. After attending the International Tree Conference in Fort Worth this summer, it really became apparent to me how high the quality is of our own tree conference and events. The success of our education and outreach efforts would not be possible if it weren't for all the fantastic people stepping up to make them happen.

The board of directors just returned from the annual retreat and it was a very productive couple of days. I'm really excited about some of the plans we are making. Of course we will be hosting our own Texas Tree Conference and Texas Tree Climbing Championship again in 2017. Micah Pace, president-elect, has taken on the role of conference planning chair. He has some really good ideas of how to improve what is already an outstanding event.

Along those lines, if you think you might be interested in stepping up to help with the conference or another event, or if you have an idea of something you'd like to see our chapter do, please reach out to us and let us know. We really want to bring you the education and resources you need to grow your knowledge, skills, and career. It helps us to know exactly what it is that you need. During the board retreat we discussed how to make it easier for members to get more involved. We realized that there are lots of people out there willing to help, but they need to know how. So be on the lookout in the newsletter and on our website for more specific calls for volunteering for projects and events. Hopefully this will help you to know how your particular skill sets and passions can be put to use. I'm looking forward to working with all of you this year. I know it will be another great one.

Students receive hall passes to the great outdoors

by John Warner, Urban District Forester, Texas A&M Forest Service

Fourth graders from the Barbara P. Bush Elementary School in The Woodlands recently participated in the Classroom Without Walls program at Jones State Forest. They were surprised with a follow-up visit to their school from Texas A&M Forest Service staff handing out Every Kid in a Park (EKiP) passes.

The passes allow students and their families free access to any National Park, National Forest, or U.S. Fish and Wildlife Service Refuge in the United States. Throughout September, TFS outreach team members and partners gave out over 500 passes at 12 events. This is another way partnership and collaboration works to engage youth with a conservation message in a more impactful and significant way.

EKiP is a national program designed to encourage fourth-graders and their families to get outdoors and discover wildlife, resources and history for free. Visit https://everykidinapark.gov/about/ to learn how you can help encourage families in your own communities to visit our country's natural spaces.

Join me and the TFS outreach team, along with Jones State Forest Education Coordinator Samantha Dean, in encouraging others to spend time outdoors.



John Warner presents EKiP passes to 180 Bush Elementary 4th graders.

EDITOR'S NOTE by Rebecca Johnson

As most of you know, we recently had another board election. Usually the new board takes office at our annual conference, but we decided to forgo the conference this year since we just hosted the International Conference in August. This enabled the board to fast track our retreat—which is most board members' first introduction to the board and what we do. It's also where we set our goals for the upcoming year and start our planning for meeting those goals.

Having wrapped up my first year as editor, I finally feel like I have some grasp on the job and what it entails. This newsletter is member-driven, and all articles and other items are submitted by members. We edit the items for glaring errors, typos, and space constraints but do our best to ensure that the articles are in "the voice" of the writer. If a contributor requests help with editing, or we feel that an article has some ambiguous sentences, we work with the writer to make the article clearer, while still keeping the voice the same.

My goals for this year include increasing the number of people who contribute articles. I have several members I can count on to send me multiple items each issue, but I'd like to increase the diversity of items. I'd also really like to be sure to include a Spanish language article each issue. So if you know of a member who should be writing articles for us, drop them a line and suggest they contact me.

As always, keep the newsletter in mind whenever you're participating in activities across the state. Pictures are always appreciated. Thanks for all you've done to help!

On the Cover

The 2016-2017 ISA Texas Board of Directors:

Sitting L-R: Lara Schuman, President; Emily King, Vice President; Nevic Donnelly; Nina Alexander; Misti Perez, Certification Liaison; Zaina Gates.

Standing, L-R: Micah Pace, President-Elect; John Giedraitis, Executive Director; Keith Brown, Treasurer; Rebecca Johnson, Editor; April Rose; Vincent Debrock, Past President; Paul Johnson; Gene Gehring.

Not pictured are Jason Alfaro, Chris Lane, Jim Dossett and Matt Weaver.

Photo by James Theiss.

For more information on the Board retreat, see the article on page 7.

Saluting Branches:

SAAA arborists honor vets with workday at Fort Sam Cemetery

by Booker Arradondo, president SAAA

Recently the San Antonio
Arborists Association
(SAAA) participated in Saluting
Branches: Arborists United for
Veterans Remembrance. This day
of service is an opportunity for
tree care professionals throughout
the country to come together in
unity and do what we do best—
provide exceptional tree care to
keep our veterans' cemeteries
safe, beautiful places for all those
who visit.

SAAA along with Texas A&M Forest Service (TFS) and others celebrated the second annual workday at Fort Sam Cemetery. Being a veteran myself, nothing gives me better pleasure than to participate in this national event.



San Antonio city arborist Mark Bird, Ken Kessler with Pest Shield Inc., Jesus Rodrigues with Burkett Arborcare, and Drew Crocker with TFS pruning a live oak.

Participants included San Antonio City Arborist Mark Bird; San Antonio City Forester Ross Hosea; Jesus Rodrigues and Tyler Burkett with Burkett Arborcare; Ken Kessler from Pest Shield; Margaret Spencer from TCIA; Mark Mann from Davey; Angelique Arradondo and Kyanna Booker from Roosevelt High School; Mark Kroeze, Drew Crocker and Mike Weathers from TFS; and Angel Galvan, Daniel Lincon, Jose Pasc, and Herminio Griego.

Thank you to all the arborists who helped.



asca2016

November 30-December 3

Boston Park Plaza • Boston, MA

Hear from subject-matter experts on ways you can approach problems differently, resulting in stronger work products for your clients, the capability to grow a consulting practice, and the knowledge needed to expand your practice into areas not previously considered.

Pre-Conference Workshop

Julian Dunster, Ph.D., RCA #378

Dunster & Associates

Annual Conference Speakers

Susan Downing Day, Ph.D.

Virginia Tech Urban Forestry

Peter J. Del Tredici, Ph.D.
The Arnold Arboretum at Harvard University

Brian Gilles, RCA #418, Gilles Consulting and Patrick Parker, RCA #514, SavATree

Jason Grabosky, Ph.D

Rutgers, The State University of New Jersey

Jennifer Greenfeld

New York City Parks and Recreation

Lisa A. Harvey, Esq.

Ryan Faenza Cataldo LLC

Brian Kane, Ph.D.

University of Massachusetts

Nelda Matheny, RCA #243

HortScience, Inc.

Steward T.A. Pickett, Ph.D. Cary Institute of Ecosystem Studies

Michael Raupp, Ph.D.

University of Maryland

E. Thomas Smiley, Ph.D. Bartlett Tree Research Lab

Kevin Smith, Ph.D.

USDA Forest Service

Case Capsules on Appraisal and Tree Preservation

Co-sponsored by
Western Chapter ISA

Registration by October 28, 2016 to SAVE

www.asca-consultants.org



ISA Texas Board Member Retreat

by Zaina Gates, Staff Forester II, Texas A&M Forest Service, Sustainable Forestry & Economic Development

The ISA Texas board member retreat was held on October 10-11 at the beautiful McKinney Roughs Nature Park, on Highway 71 between Bastrop and Austin. The majority of the members were able to attend, and lots of great discussion took place in the meeting, on the river, and during the evening social hours.

Ideas flowed out of our discussions, and some of the topics that we covered were: How do we do a better job of getting legislative changes that affect arborists and their businesses out to our members? How do we get more nominations for the ISA Texas volunteer of the year award? How do we get more arborists to list themselves on our new "Find an Arborist" service on the ISA Texas website? and, How do we do a better job of promoting/advertising ISA Texas?

A few new topics were brought to the table, including creation of a Texas arborist select tree farm certification program and a women's climbing retreat. More discussion on those exciting topics will be happening soon.

Micah Pace, president-elect, discussed the 2017 Texas Tree Conference and a potential theme. Planning for the conference is underway, and several committees are being formed to make sure it is great as usual.

We had two guests attend the meeting. James Theiss, the professional knowledge and

education manager of TNLA, who is a forester and a Certified Arborist, is helping encourage landscapers who work with trees to become Certified Arborists. He is looking for ISA CEU opportunities at the TNLA Expo, and announced that TNLA now has an individual membership for anyone who wants to be involved but does not necessarily own or work for a nursery or landscape business. Kari Hines, a wildland urban interface specialist with Texas A&M Forest Service, discussed the changes made to the soon-to-be released wildfire mitigation qualification and how the program will focus more on tree protection and landscape health.

After a day of indoor discussion we retreated to the Colorado River for an outdoor team building activity: river rafting. We all climbed into three rafts and let the current of the river take us downstream for two miles while we enjoyed views of wildlife, including king fishers and great blue herons. And of course being tree people, we also enjoyed identifying the tree species—American sycamore, bald cypress, winged elm, boxelder, black willow, and ash—all along the river bank.



ISA Texas board of directors make plans for the upcoming year at their annual retreat.

The team building exercise this year was river rafting.

Paul Johnson Wins NASF Communications Award

Paul Johnson has won another communications award, this time from the The National Association of State Foresters. Paul was presented with the 2016 Leah MacSwords Current Achievement Award for Communications at the NASF annual meeting in September in Savannah, Georgia.

Paul is the Texas A&M Forest Service urban and community forestry program coordinator. His efforts to inform, educate and even entertain others about the vital role of trees have garnered nationwide attention. In August at the ISA Conference in Fort Worth he was named an ISA True Professional of Arboriculture.

"Paul's enthusiasm in communicating how trees improve the quality of life for Texans is infectious," said Burl Carraway, department head for Texas A&M Forest Service Sustainable Forestry. "He spurs others toward better arboriculture practices and stewardship."

Paul hosts the weekly Texas A&M Forest Service podcast *Trees Are Key,* www.treesarekey.com, providing information and education about trees, tree care, the benefits of trees and all the ways trees are important to people, communities and landscapes. The podcast series has been running

approximately 18 months and has reached nearly 18,000 listeners from 23 countries. He also helps host the weekly Twitter chat #TreeChat and has presented more than 500 programs in person covering 75 subjects.

Amanda Cooke, NASF communications director, has witnessed the prolific reach of Johnson's messages. "The sheer amount of original content that Paul creates and effectively shares is astounding," she said. "His work has helped promote the benefits of trees and strengthen the forestry community across the nation and beyond."





Wedgle® Direct-Inject™ TREE INJECTION SYSTEM

Emamectin Benzoate Boxer

> Insecticide-Miticide for Two Year Control of EAB & other insects and mite pests

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

Learn more! Call 800.698.4641 or visit

ArborSystems.com for information and videos



AVARDS Gold Leaf Award for Landscape Improvement:

ISA Texas did not hold its annual fall conference this year, because we hosted the International Conference in Ft. Worth in August. That is where the 2016 ISA Texas awards were presented. Congratulations to the winners!

Outstanding Arbor Day Celebration: Missouri City Edible Earth Festival



Missouri City's Urban Forester Paul Wierzbicki

The Missouri City Parks Department partnered with their Keep Texas Beautiful affiliate and the mayor's youth volunteer program to develop a unique Arbor Day/Earth Day celebration that featured native plants, composting, beneficial insects, water conservation, recycling, and healthy foods. The Edible Earth Festival was

held in March along one of Missouri City's most popular trails, the Edible Arbor Trail.

In addition, a new grove of plants was installed along the Edible Arbor Trail, which now features 294 trees and plants that have edible qualities. An estimated 400 residents visited the event, which was facilitated almost completely by local volunteers and paid for by donations from WCA Corp and HEB.

Each visitor took a Tour de Fruit and received free fruits, edible plants, and lady beetles to take home.

Kids and ladybugs at the Edible Arbor Trail



Gold Leaf Award City of Denton Shady Trails Initiative

In the spring of 2015 the Denton City Council approved about \$350,000 for a series of tree planting projects. This was the first time since the City's Tree Mitigation Fund was introduced in 2004 that funds had been allocated to plant trees. Primarily due to the success of the initial plantings, and positive feedback from city residents, the Denton City Council approved an



City of Denton Urban Forester Haywood Morgan

allocation of over \$500,000 to continue and expand the project for the 2015-16 fiscal year.

The initial objective was to plant 370 trees with remotely controlled irrigation systems along existing trails in city parks. The following year the objective was expanded to plant an additional 535 trees, including irrigation, along existing trails and city maintained properties.

In total, the two-year budget projection was to plant 905 threeinch caliper native and adapted trees at a cost of approximately \$938 per tree, including irrigation. To date they have planted 736 trees at approximately \$500 per tree, resulting in a total cost saving of approximately \$397,000. This reduction in cost will ultimately allow for the planting of more trees.

For years new development has taken a toll on the canopy of Denton's urban forest. As stated in the Denton 2030 Plan, this program will "promote the formation of a cohesive, broad green infrastructure framework for the city that links open space and natural resources, incorporates goals for land conservation and management, and retains the rural and natural character of Denton."



more AWARDS!

Texas Arboricultural Project of the Year: City of Grand Prairie Epic Tree Move

Pear the end of July 2015, the city arborist, Susan Henson, was approached by a deputy city manager about the cost to move or relocate a large tree, compared to completely removing and replacing it with a tree of like size and variety in a new location.

Susan explained that it was not just the cost of the tree but the cost of reestablishing the tree(s). For a lesser amount of money the trees could be moved and the city could retain their existing caliper count, and that would do wonders for the environment and for the city's name as one of the oldest Tree City USA award recipients in Texas!

A total of 66 trees needed to be transplanted. They ranged in size

from 3 to 8 inches in caliper. During the fact-finding process it was determined that the cost of removing the existing trees and replanting new like-sized trees would be \$42,675.00, and the cost of transplanting the existing trees would be \$22,721.80.

They decided that the best answer was moving the existing trees to new locations throughout Central Park—the future site of The Epic, which will be the largest indoor waterpark in the United States. The trees were in an area that would now be raised at least 6 to 8 feet above the existing grade to accommodate the new facility. The administration, along with the project manager and architect, wanted to move on with the project immediately, but this would have meant moving the trees during not only the hottest part of the year but also one of the worst droughts of the century.

Susan once again gathered the facts and presented the evidence on moving trees during this part of the year and determined that moving trees during fall to early spring would ensure the greatest chance of survival. After working with the project managers, architects, and other entities involved, the time lines were adjusted so that the trees would not have to be moved until October 5, but the project had to be completed by

November 5. This was no small accomplishment; in addition to the waterpark, the project would also include the largest multigenerational recreation center in the United States.

Now the clock was ticking. Although irrigated, the trees needed to be reconditioned to ensure that they were in optimum condition for the move. The city arborist and parks maintenance went to work: stepping up the irrigation, exposing

root flare, removing girdling roots, and performing selective class 1 pruning under the city arborist's direction. In addition to dead, diseased or otherwise undesirable foliage, the pruning also included crossing and rubbing branches and crown raising to accommodate the large tree spade required for the move.

Bids were received and evaluated, and references checked, and the successful bidder was Fannin Tree Farm. The project started on time and was completed in 10 working days! The trees were transplanted in October, 2015, and by June, 2016–eight months later–not only had all the trees had survived, but they all added from ½ to ¾ inch!



The award was accepted by Duane Strawn, manager of parks and lake parks; Susan Henson, horticulturalist and arborist (also known as the mistress of all that is green); and Brian Jeffries with Fannin Tree Farm.

& more AWARDS!

2016 Arborist of the Year: Kevin Bassett

This year's winner is an artist as well as an arborist: Kevin Bassett of Arborilogical Services, Inc. and KB Wood Turn-

ings. Kevin started out with a degree in plant pathology from Colorado State University in 1976 and has been engaged in arboriculture ever since.

His career has been so long that he has received this award twice; his first was back in 1994. Kevin is co-founder, vice president, and arborist with Arborilogical Services, Inc. in north Texas. He is an ISA Certified Ar-



borist and lifetime member. He has served on the Texas Urban Forestry Council and the Trinity Blacklands Urban Forestry Council, was a member of National Arborist Association (currently known as TCIA), and has been recognized by ASCA, the American Society of Consulting Arborists. He has served on the ISA Texas board of directors three times—as vice president, president-elect, and president. His tireless support for so many aspects of our industry, including the Tree Fund, is a wonderful example for all of us.

One of Kevin's many passions is the tree climbing championships. He served as chairman of the Texas Tree Climbing Championship from 1990 to 2002, then came out of retirement a few years ago to lead this event again, culminating in one of



the best International Tree Climbing Championships—the one ISA Texas hosted in San Antonio earlier this year. Kevin competed in the 1983 ITCC in Indianapolis and served as a scoring judge in aerial rescue the first time it was held in San Antonio in 1986. He has served as head judge for footlock and belayed speed climb at multiple ITCCs.

Kevin is a leader in arboriculture and an inspiration for all who have worked with him. He has decided to take a half step back and let someone else serve as chair of the ISA Texas Tree Climbing Championship, but he will be there keeping an eye on it and ready to lend a hand.

2016 Volunteer of the Year: Guy LeBlanc

Our warmest congratulations and deepest gratitude to Guy LeBlanc, the winner of our chapter's Volunteer of the Year award! The recipient of this award is chosen each year through member nominations and committee consensus. It is given to members who have made a gift of their time, talent, and energy to the activities and events that unify the chapter and support its mission.

For more than twenty years, Guy has been the tireless engine behind the Texas Tree Climbing Championship (TTCC), serving not only as organizer extraordinaire, but also as a mentor to hundreds of young climbers. A former TTCC Champion himself, Guy has donated thousands of hours to ensuring that the highest standards for safety and climbing proficiency are maintained in our chapter event. His efforts have led to our international reputation for holding one of the finest climbing competitions in ISA. This award is a token of our gratitude for all his hard work. Thanks for everything, Guy!



Vincent Debrock presented the award to Guy at the September Austin Area Tree Huggers' Happy Hour.



ADD SHORTSTOP PLANT GROWTH REGULATOR TO YOUR LINEUP THIS SEASON.

Apply Shortstop via basal drench or soil injection to increase drought tolerance, reduce pruning frequency, and enhance fine root hair growth.

Contact Emmett Muennink Regional Technical Manager: emuennink@arborjet.com or 214-799-6115





See You At The Top!

Safety, Skill & Productivy Training for Tree Care Professionals.















Hands-on training designed to bring you to the next level

ArborMaster Open Enrollment Courses Irving, Texas this November/December

- L1 Precision Tree Felling, Chainsaw Safety & Handling: November 29-30, 2016
- L1 Tree Climbing Methods, Work Positioning & Best Practice: December 1-3, 2016

ISA and CTSP Continuing Education Units earned. For full course outlines, registration information, what's included and more, contact us today!

ARBORMASTER.COM | 860.429.5028

ARBORMASTER ALLIANCE PARTNERS



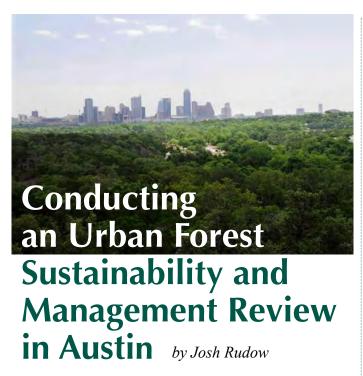












The City of Austin is constantly working to improve the management and health of its urban forest. In order to achieve these objectives, Austin's Urban Forester Emily King is implementing a new tool known as the Urban Forest Sustainability and Management Review (UFSMR). The USDA Forest Service developed the UFSMR as a continual improvement tool to help urban forest programs benchmark changes in capacity over time and provide program direction, among other benefits.

The Urban Forest Inventory and Analysis, conducted in 2014 by the USDA Forest Service, provided the City of Austin with a detailed snapshot of the composition of its urban forest. The UFSMR will build on this important work to create a baseline of how Austin is managing its urban forest. An external review team of experts has been recruited to give an unbiased analysis of Austin's urban forest management and includes these experts from a variety of governmental, non-profit, and commercial groups:

- Paul Johnson, Texas A&M Forest Service
- Brad Hamel, Texas A&M Forest Service
- Dan Pacatte, Travis County
- Carolyn Meredith, City of Sunset Valley
- Ross Hosea, City of San Antonio
- Emsud Horozovic, City of Round Rock
- Vincent Debrock, Texas Heritage Tree Care
- John Giedraitis, ISA Texas
- Susan Rankin, Trail Foundation
- Mary Ann Neely, TreeFolks
- Jim Carse, University of Texas

There are many city departments that work with trees in some capacity, but this review will focus on the four primary departments that manage Austin's urban forest: Public Works, Development Services, Austin Energy, and Parks and Recreation. Review team members are now evaluating documents provided

by the four departments, and they will soon conduct an on-site assessment of green assets and interview urban forestry staff. The review team will make recommendations for improving Austin's urban forest management.

Austin is one of the first cities in the country to review their urban forestry programs using the UFSMR. The primary objective is to improve Austin's urban forest management, but a secondary purpose is to encourage and help facilitate other municipalities with the implementation of this review. Municipalities in Texas both large and small can benefit from a robust evaluation of their programs.

For more information on Austin's UFSMR contact Review Coordinator Josh Rudow (josh.rudow@austintexas.gov) and for further details on the UFSMR process see http://www.urbanforestrysouth.org/.



Love Trees? Tell the world

and support urban forestry across Texas

Revenue from the Texas Urban Forestry Council license plate helps fund the TUFC Micro-grant Program

www.texasurbantrees.org



La Poda Estructural – El "Entrenamiento" de los Arboles Jovenes

por Micah Pace, Presidente-electo de ISAT y Arborista con Preservation Tree Services

La siguiente información fue traducida del libro "The ABC's Field Guide to Young and Small Tree Pruning" por (Pleninger and Luley 2012).

En la arboricultura hay varias técnicas para mantener los árboles en buen estado. Pero el manejo de los arboles urbanos debe ser flexible porque muchas veces las prioridades de manejo son distintas entre una especie a otra con respeto a su susceptibilidad a plagas y/o enfermedades. Hay también una diferencia con respecto al tamaño o edad. Un árbol joven requiere unas técnicas específicas que corresponden a la forma y taza de crecimiento de árboles jóvenes mientras un árbol grande/viejo tiene otras necesidades de manejo.

En esta articulo les comparto una introducción a la poda estructural o como se dicen el "entrenamiento" de los arboles jóvenes. Vamos a aprender frases importantes para poder comunicarnos mejor sobre las condiciones y formas de los arboles tal como nuestros objetivos de manejo. La poda estructural es la técnica preferida para entrenar a los arboles jóvenes como desarrollar un tronco más seguro y una arquitectura de la corona más sostenible.

¿Cuáles son los beneficios de esta técnica importante?

- Aumenta Seguridad Mejora la fuerza estructural del tronco y las ramas principales para minimizar el riesgo de daño, especialmente durante épocas tormentosas.
- Ahorra Dinero

 Reduce los gastos de mantenimiento porque los arboles van a tener una mejor forma durante su vida.
- Extiende la Vida

 Aumenta los años de vida de los arboles urbanos.

Antes de empezar es importante entender unos términos útiles de las partes principales de la arquitectura de un árbol. El conocimiento de esas frases es muy importante en la comunicación de las partes del árbol y las recomendaciones de la poda estructural. Figura 1 muestra un árbol y los términos importantes.

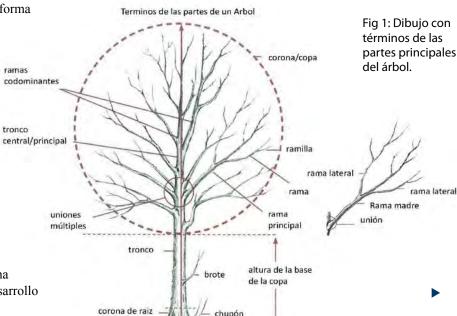
Las definiciones de los términos importantes son:

 Dominancia apical – condición en que una yema terminal inhibe el crecimiento y desarrollo de yemas laterales en el mismo tallo.

- *La unión de la rama* (horqueta) el punto donde se unen dos ramas o una rama con el tronco principal.
- Ramas co-dominantes ramas bifurcadas casi del mismo tamaño en diámetro que se generan en el mismo punto y no tienen una unión normal.
- Rama madre rama en la que crecen otras ramas más pequeñas.
- Ramas estructurales (ramas de andamiaje) ramas permanentes que forman la arquitectura del árbol (copa).
- *Brote* crecimiento nuevo de tallo normalmente asociado con la poda, daño u otro estrés
- *Chupón* brote vigoroso que sale de las raíces
- Proporción de copa viva proporción de la altura de la copa que contiene follaje vivo comparado con la altura total del árbol

Pero como se hace la poda estructural para los arboles jóvenes? Hay 5 metas básicas para cumplir "El Entrenamiento" de los arboles jóvenes:

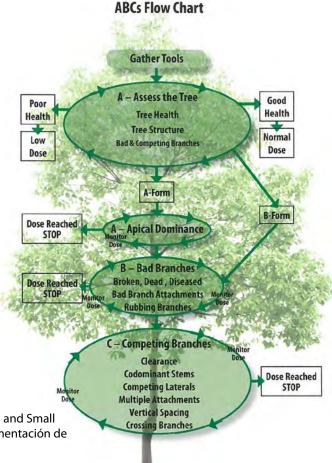
- Remover las Ramas Secas, Enfermas, o Dañadas (preferible al momento de plantación) que competen con el líder central.
- 2. Elegir y Desarrollar el *Líder Central*.
- 3. Elegir la Rama Permanente más bajo.
- 4. Elegir y Desarrollar las Ramas de Andamiaje.
- 5. Subordinar las *Ramas Temporales* (removiéndolas más allá en el futuro).

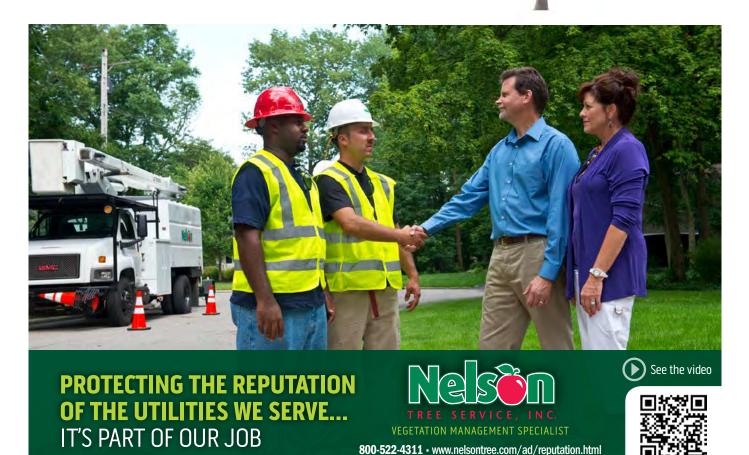


- ◆ En sus libro, Pleninger and Luley usan las letras "A, B, y C"
 para enseñar los pasos más exitosos para la poda estructural
 (Fig 2). Esas letras corresponden a la primera palabra (en
 inglés) de cada paso de la técnica (la letra "A" representa 2
 pasos):
 - A. Assess tree (Evaluar el árbol) Determinar la forma natural del árbol y su salud para decidir cuál será la cantidad (dosis) de poda necesaria (metas vs. la salud/ condición del árbol).
 - A. *Apical Dominance* La poda para promover la dominancia apical del árbol.
 - B. *Bad Branches (ramas feas)* Poda de las ramas secas, enfermas, y con uniones débiles.
 - C. Competing Branches (ramas agresivas) Poda de las ramas para despejar o para controlar el crecimiento de las ramas agresivas q compiten con respeto de su tasa de crecimiento, tamaño, o ubicación.

¿Cree usted que puede usar las técnicas de la poda estructural? Conocen sus empleados esta técnica? En la próxima edición de la revista *Bajo la Sombra* vamos a platicar más detalladamente cada paso de la poda estructural. Hasta entonces cuídense mucho. Saludos. – MP

Fig. 2 Un gráfico desde el libro "The ABC's Field Guide to Young and Small Tree Pruning" que muestra el proceso de planificación e implementación de la poda estructural de los arboles jóvenes.





NEW MEMBERS

Orlando Arreguin Oliroyes Grapevine
James Ash Jr
Deborah Banfield
Brittany Bates Coldspring
Mark Bentsen
Brandi Blaisdell
Gordon Braley Burleson
Jason Brown Texarkana
Doug Cantrell Alexander, AR
Jonathan Cardenas Plano
Elijio Carrizalez Waco
Kevin Chambers Lebanon. OH
Stephen Christy Dallas
Mike Combs
William Combs San Antonio
Jairo Cruces Ingram
Cheri Cuellar
Johnny Dailey Houston
Chandler Day College Station
Dylan Day Aledo
Nathan Day Yukon, OK
Mario De La O San Angelo
Isaac Diaz
Eric Diaz Houston
Colleen Dieter
Ashley DuBose Round Rock
Manuel Flores
Allen Foster
Jeffrey Fox
Ruben Garza San Antonio
Laura Glenn Nacogdoches
Roger Goerlitz Brenham
Cody Goss Kerrville
Bill Green Kingsville

Vernon Gregory Waskom
Rick Halsell Kingsland
William Hampton Fort Worth
Skee Hardin
Mark Harris Willis
Patrick Hart
David Holland
Jeanette Holland Mansfield
Jason Hyde Ennis
Felix Jaimes Dallas
Levi Johnson
Sam Johnson Dallas
Eliot Jones Rice
Karen Kroesen Dallas
Clint Lancaster Amarillo
Chris Lane San Antonio
Andrew Lasseter Kennedale
Gregory Leach
Robert Loera Jr
Phil Lopes San Antonio
Blake Luther Kyle
Keaton Lutringer Diboll
John Macias Kyle
Robert MacNabb Buffalo
Randall Martinez Buda
Richard Martinez Jr
Aaron Martinez
Gregory Massengale Dallas
Morgan Menefee Dallas
Monte Mitchell Dripping Springs
Joe Muzquiz Ovalo
Tara Nathanson Flower Mound
Austin Neal
LaDestiny Nichols DeSoto
Ladestilly Michols Desoto

Liz Ninesling Mesquite
Seth Pair Amarillo
Wendy Pappas
Joseph Parrott Houston
Wade Patten
James Perez Fredericksburg
Rory Peterson
Matthew Pruett Kirbyville
Cody Pruitt
Janie Quinonez-McMenamin San Antonio
Talon Richards
Susan Roth Houston
Taylor Sandoval Deer Park
Jordan Sims
Tyler Slovacek Highlands
David Smetzer Leander
Michael Smith Southlake
Jaclyn Steen
Erik Stoesser-Casad
Michael Tellez Leander
Anthony Valchar Hutto
Macario Villanueva Dallas
Barbara Villarreal Balch Springs
Timothy Weaver Hutto
Warren Whitehead
Stan Williams
Gregoryian Willocks
Daniel Wilson Boerne
Val Yerby Round Rock
Jacob Young
Royce Younger
Anthony Zampino Fairview
Joseph Zaniewski Jarrell
John Zilich Princeton

Mark the Date

November 14-15 Indianapolis, Indiana

Society of Municipal Arborists 52nd Annual Urban Forest Conference and Trade Show. Information and registration at http://www.urban-forestry.com/

November 30

Tree Fund Webinar: Soil Compaction and Urban Trees Webinar. Featured speaker Dr. Bryant Scharenbroch. 12-1 pm, mountain time. 630-369-8300

November 30-Dec 3 Boston American Society of Consulting Arborists Conference. www.asca-consultants.org

Dear ISA Texas Chapter friends:

Thank you all for your generous support of the TREE Fund and of my Tour Des Trees ride this fall. While I'm mildly disappointed we couldn't put the entire set of Tour riders through a typical Texas summer ride, I, for one, will fully appreciate the contrast in weather between North Texas in the summer and Tobacco Road in the fall!

I hope many of you will one day take the opportunity to participate in the Tour and see what a family it has become. Like my
Texas tree family

I miss you all and will be thinking of you often during those 600 miles next month!

Gratefully yours,
Pete Smith



Make sure you have all the Right tools.

As the only national trade organization dedicated to tree care businesses, becoming a member of TCIA is the best investment you can make.

BUSINESS TOOLS – From professional standards to the latest publications, members receive dynamic tools to run their businesses safely, efficiently, and successfully.

EVENTS – Enjoy members-only savings and deep discounts on TCIA-hosted workshops and events around the country.

SAFETY TOOLS – Worker safety goes hand in hand with professionalism and it's a primary focus of TCIA. We build programs, tools and resources to improve safety for our members and the industry.

NETWORKING – Join our community and participate in targeted discussions, events, and more with TCIA members from around the country.

MAJOR SAVINGS – Receive deep discounts on training and educational materials for you and your crew.

MARKETING TOOLS - Use our exclusive marketing materials to find, keep and impress customers. From videos to postcards, we've got what you need.

First-time members can start taking advantage of membership benefits right away, at the low introductory price of \$195. Limited time offer.

TCIA's leadership and guidance have allowed us to do what we do best; spend more time in the field.

Photo: Brian Bixler. Arborist: J. David Driver (the X man)

Doug Edwards, Arborist Tree Care Enterprises, Inc.



TREE CARE INDUSTRY ASSOCIATION Advancing tree care businesses since 1938

Join today! membership@tcia.org

tcia.org 1-800-733-2622

THE NEWSLETTER OF THE ISA TEXAS CHAPTER

2013 Oakwood Trail College Station, TX 77845

www.isatexas.com

PRSRT STD U.S. Postage PAID AUSTIN, TX Permit No. 1560



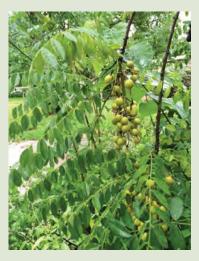
What's the Big IDea?

Can you identify this Texas tree?



If you know this tree, look for the photo on our Facebook page and correctly identify it in the comment section under the photo, using the full scientific name and one or more common names. If you don't know it, check the page for an answer in a few days. The winner gets bragging rights and the chance to submit a tree to stump fellow arborists in the January issue. Hint: The genus name means snow and flower, which is a description of the blossoms.

September Winner



Last issue's tree was Eve's Necklace (Styphnolobium affine) identified by Mickey Merritt, Regional Urban Forester for the Texas A&M Forest Service.