

THE STUMP

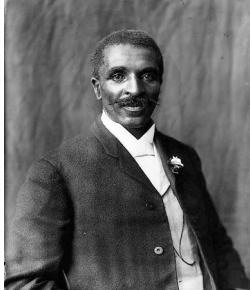
INFORMATION BY THE BOARD FOOT

FEBRUARY 2024

KNOT THE HOLE NEWS

Education: Worth Every Effort

Whether or not we are aware of it, we are constantly learning. Unfortunately, we do not always realize we are or value it. Do you have a new piece of electronic equipment? There is often a steep learning curve with those. Our jobs also require we learn. If we do not, we cannot provide the best service to our clients or in some cases will not be able to keep the job. This is true of government or private employment. Sometimes we are able to learn from our fellow employees, our employers may have trainings, sometimes it is more formal at a workshop or conference. Education is also not always free. We must be willing to travel and pay for some training, especially the higher level topics.



You should not limit your education to your specialty alone. While trees may be your specialty, you should also attend trainings related and some unrelated subjects. Learning some about native grasses, stream and pond management, or writing will improve or add to your skill set.

George Washington Carver understood the true value of education and used it to better all. He stated "Education is the key to unlock the golden door of freedom". This statement is still true today.

Tree Health Update

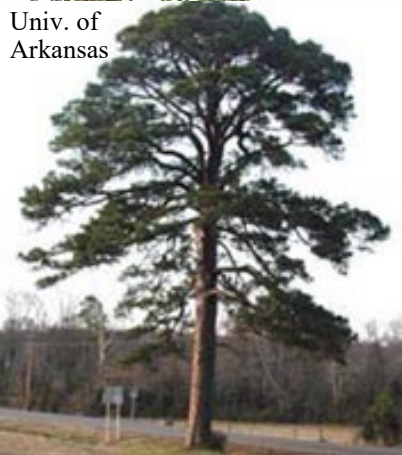
The annual Tree Health Update will be February 19 and 20. MDC's Forest Entomologist, Robbie Doerhoff, will provide updates on current tree health problems and emerging invasive tree pests that are likely to affect the trees you work with in Missouri in the next few years.

Tree professionals working as arborists, foresters, nurserymen, landscapers, and public servants should attend this program.



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MDC



Shortleaf pine
Pinus echinata

The only pine native to Missouri, shortleaf pine is a large tree with a mature height of 60 to 100 feet, long trunk and broad open crown. Appropriate for a large yard, and park plantings this tree has a medium to fast growth rate. Occurs naturally on dry upland with acid soils, but can grow in a wide range of conditions. It needs full sun to help maintain full needle cover. Needles are in fascicles of two and three, dark bluish-green, and three to five inches long.



Range map modified from USDA Forest Service Silvics of North America Web site - www.srs.fs.usda.gov/pubs/misc/ag_654/volume_1/pinus/echinata.htm

Registration is Required!

February 19, 1:00 - 4 PM

Shoal Creek Conservation
and Education Center
201 Riviera Dr.
Joplin, MO

Call 417-629-3434 or
email jon.skinner@mdc.mo.gov

February 20, 8:30 - 11:30 AM

Springfield Nature Center
4601 S Nature Center Way
Springfield, MO

Call 417-895-6880

ISA CEU's and SAF CFE's are requested.

Safety

When is the last time you really thought about safety? We all get in patterns or habits of how we work. These may or may not be the most safe ways of doing our job. You have probably seen videos on the internet of people getting hurt or damaging property while not doing things the safe way.

Look at how you use a chainsaw, are you holding it the way it was designed, are you using all of the personal protection equipment, have you done the appropriate regular maintenance on it, does all of the chainsaws safety features work, are you making sure no one is in danger zones while using it, and more.

Consider how you lift items, do you bend with your knees, get help or use equipment to lift when appropriate?

Do you use appropriate ropes and technique or aerial lift to enter a tree? Follow all of the regulations and best management practices?

Safety standards exist for nearly everything we do, find all of the ANSI standards and OSHA regulations for everything you do, then modify your patterns and habits so you go home every night to family and friends.



Book Review: Guide for Plant Appraisal 10 Edition, Revised

The Guide for Plant Appraisal, 10th Edition, Revised is the most informative and comprehensive alignment of current knowledge of the approaches, processes, and methods of plant valuation.

There are detailed discussions of newly streamlined core concepts and terminology, a review of the organization and context of appraisal reports, and an updated emphasis on appraiser awareness of the environmental and ecological benefits plants provide. Also new to this edition are appendices and a glossary. (Revised October 2020, softcover, 170 pp). ISA has made all the forms in the Guide available as fillable PDFs.

American mistletoe (*Phoradendron leucarpum*)

American mistletoe (*Phoradendron leucarpum*), commonly sold during the holiday season, is generally harvested from trees growing in Oklahoma and Texas. It is usually found in 16 southeast Missouri counties, but occasionally across the southern tier of counties. An evergreen shrub that parasitizes several types of deciduous trees including river birch, blackgum, swamp tupelo, American elm, etc. However, sycamore is the most common host for mistletoe in Missouri. American mistletoe is visible as a dense mass of green vegetation called "witches' brooms", growing in deciduous trees after leaf fall. American



Univ. of Missouri

mistletoe is considered hemiparasitic or semi-parasitic because it obtains water and mineral nutrients from the host tree, but it also derives nutrition from photosynthesis. Sticky mistletoe seeds germinate and produce a specialized structure, known as a haustorium. These structures grow through the bark and into the xylem of the host tree to absorb water and nutrients. Eventually, mistletoe shoot growth occurs, forming a shrub on the host plant, without aerial roots. Inconspicuous flowers

bloom in late fall and the white sticky berries, borne in small clusters, mature a year later on the female plant. Ethephon, in the product Florel, is the only chemical labeled for control of mistletoe. Label directions are clear mistletoe must be sprayed when all leaves are off of the host tree, nearby plants are covered to protect from overspray. This will kill the visible plant, but you should expect regrowth from the buds. Spraying the new growth before seed dispersal likely will get full control. Spray only the mistletoe to wet. There was research published in the 1991 Journal of Arboriculture where 10% solution of Ethephon applied directly to cut stumps of mistletoe kills the plant without severe damage to the host tree. I have found no evidence this is an EPA approved method, unfortunately.

February 6

ISA Certification Exam, Bonner Springs, KS. Registration Deadline: January 19. Information at: www.isa-arbor.com/Credentials/Exam-Information.

February 10

ISA Certification Exam, Kirkwood, MO. Registration Deadline: January 25. Information at: www.isa-arbor.com/Credentials/Exam-Information.

February 10

Myron & Sonya Conservation Area Arborist Walk + CEU's, Eureka, MO. For details email: Dan Billman at dbillmantree@gmail.com.

February 11 - 15

TCIA Winter Management Conference 2024, Puerto Vallarta, Mexico. For details visit <https://wmc.tcia.org/attendees/attendee-registration/>.

February 13 - 16

2024 ASCA Consulting Academy, San Antonio, TX. For details visit www.asca-consultants.org/events/EventDetails.aspx?id=1709426.

February 19

Tree Health Update, Joplin, MO. Register by calling 417-629-3434 Extn. 4543 or email jon.skinner@mdc.mo.gov.

February 20

Tree Health Update, Springfield, MO. Register by calling 417-895-6880.

February 20

ISA Certification Exam, Ames, IA. Registration Deadline: February 2. Information at: www.isa-arbor.com/Credentials/Exam-Information.

February 22

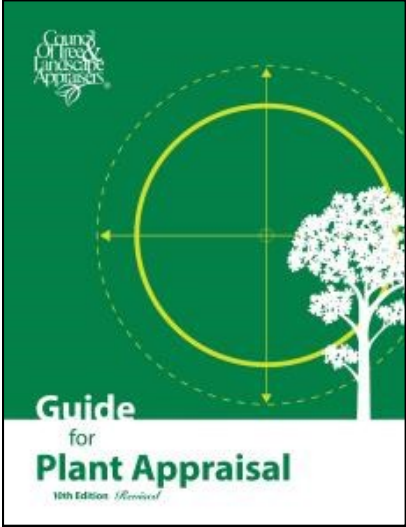
Shrub and Small Tree Pruning, Springfield, MO. Register by call 417-895-6880.

March 5

ISA Certification Exam, Oklahoma City, OK. Registration Deadline: February 16. Information at: www.isa-arbor.com/Credentials/Exam-Information.

April 17 - 19

TRAQ Full Course - Kirkwood, MO. For details visit <https://mwisa.growthzoneapp.com/ap/Events/Register/WpMbKZIP>.



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- George Washington Carver

WHAT'S HAPPENING

“The Stump” website: <https://thestumpnewsletter.weebly.com>

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201 W. Riviera Dr.
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Jon.Skinner@mdc.mo.gov



Use of names of commercial products or organizations does not imply an endorsement or recommendation by the Missouri Department of Conservation