



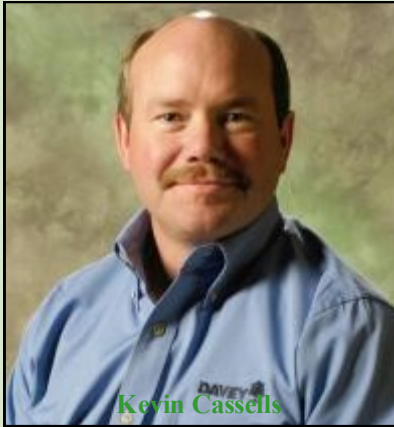
The Prairie Arborist

The Official Publication of the ISA Prairie Chapter Issue 2 2017



European Elm Scale Close up of adult female scales and crawlers (orange/yellow in colour).

Photo credit: Whitney Cranshaw, Colorado State University, Bugwood.org



Kevin Cassells

Hope the season is going well for you all.

Living north of the 49th pretty much requires that we try to get twice as many things completed when the ground is thawed up here compared

to others that work in warmer climates.

Storm season is on us as well. Central Alberta got hammered with high winds and saturated soils in June, causing even healthy heritage trees to fail. We live in a tough part of the world.

A few things to keep in mind while you are planning your schedules and professional development include:

- The Prairie Chapter Tree Climbing Competition in Saskatoon on the weekend of August 25th. Registration forms for climbers, judges and volunteers are at: www.isaprairie.com
- another TRAQ workshop is being offered Sept 6, 7, 8, hosted by Gordon White at the Town of Okotoks. The last day to register for that is August 6 providing it doesn't sell out before then. Class size is limited to 20 people.
- The annual Prairie Chapter Conference "Prairie Possibilities" will be in Moose Jaw SK Oct 23,24. No price increase again this



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year. At least 11 CEU's will be offered as well as some Alberta pesticide CEU's

Watch your TREEMAIL in the next few weeks for the Conference agenda (that will include sessions on the new Guide for Plant Appraisal-10th Edition), Conference registration forms, as well as Trade show information. Be safe out there.



The Prairie Chapter Tree Climbing Championship

will be in
Saskatoon's Kinsmen Park
August 25, 26, 27, 2017

For registration forms,
volunteer forms, and
sponsorship opportunities go to:

<http://www.isaprairie.com/2017-tree-climbing-competition-august-252627-saskatoon>



Thanks to the
City of Saskatoon's
Garrett Smith
for taking the lead on this event.



Thank you to the Sponsors of the 2016 Conference in Red Deer



Next TRAQ Workshop is in
OKOTOKS, AB
September 6, 7, 8

Registration is open until August 6
unless it sells out before that date.

<http://www.isaprairie.com/traq-2017>

Next Written Exam
is on
October 22, 2017 in Moose Jaw
Saskatchewan

Certified Arborist, Utility Specialist,
Municipal Specialist, and
Certified Tree Worker Written Exam

Note:

The time and date of the practical
exam for the Certified Tree Worker will
be determined after climbers have com-
pleted the written portion of the exam.

Save the Date
The 2017 Prairie Chapter
Conference and Tradeshow
"Prairie Possibilities"

will be in Moose Jaw
Saskatchewan
October 23, 24

Home of
Mac the 32' Moose
and the famous
Tunnels of Moose Jaw

Award-winning underground tours. Become a
bootlegger in the 1920s when Al Capone visited
Moose Jaw or
a Chinese immigrant in early 1900s Canada.

Details will be at:
<http://www.isaprairie.com>
as they become available

Thank you to Rod and Nicole at PRECISE PRUNING

They have been the main sponsor at the
Prairie Chapter Tree Climbing Championship for two years running.



Submitted by BioForest

European elm scale (EES, *Gossyparia spuria*) is a small, non-native soft scale insect that was thought to be introduced from Europe into New York on infested young, elm nursery stock in 1884. The pest attacks many species of elm with American elm being the most susceptible and can also attack hackberry trees. The insect feeds on the branches (as female scales) and foliage (as young nymphs) of the tree, causing premature foliage yellowing and leaf drop, branch and canopy dieback and, in heavy infestations on smaller trees, mortality can occur.

Signs and Symptoms

EES is usually first noticed when honeydew produced by the female scales (a by-product of feeding on the trees sap), and the associated black sooty mold that grows on the honeydew, become a nuisance on parked cars, sidewalks or outdoor furniture. Other signs and symptoms include:

- Visible mature scales.
- Scales are oval shaped and greyish brown in colour with a white, waxy fringe
- Stunted, yellow leaves
- Black, sooty mold growth on leaves, branches and tree trunks
- Crown thinning

**Lifecycle**

Males have five instars, adults are approximately 1.3 mm in length and can fly. Females have three instars and cannot fly. The females produce a white, ovisac fringe that protects her eggs and young nymphs (also called crawlers).

EES has one generation per year, overwintering as sec-

ond instar crawlers in cracks and bark on the branches once leaves fall. Males typically pupate from February to March, and emerge from March to mid-May, temperature dependant. Females emerge in late spring, and mating occurs from April to mid-May. From May to August, females settle on large limbs and branches where they can lay between 97-416 eggs that can hatch in less than an hour after being laid.

Female scales excrete honeydew until they are done laying their eggs. Female scales stick to branches and feed by inserting their tube-like mouthparts and sucking nutrients out of the tree. Female scales die after laying all their eggs in late summer but can remain affixed to the tree after death. First instar crawlers molt into second instar crawlers from July to October and primarily live and feed on leaf tissue throughout the spring and summer. Second instar crawlers move to branches in the fall to overwinter.

Where is EES?

EES is prevalent in Alberta and has been reported in Lethbridge, Calgary, Red Deer and Medicine Hat. It is also widespread throughout much of the western, eastern and southern United States.

What Can Be Done?

Avoid moving any potentially infested materials, such as fire wood, in order to help slow the spread of EES or introduce infestations in new areas. To help control populations, spraying elm trees with water using a power wash hose can help remove scales and sooty mold.

Some municipalities apply dormant oils in the fall in an attempt to smother second instar overwintering crawlers while others are testing soil amendments in an effort to improve tree health. Trees can also be injected in the spring and summer with a systemic insecticide called TreeAzin®. The insecticide is an insect growth regulator that inhibits second instar nymphs from growing into mature scales.





UGA5304003

Image descriptions and citations:

5402461- Adult female scales. Photo credit: Joseph Berger, Bugwood.org

5304003- Tree covered in black, sooty mold from honey dew secretion. Photo credit: Whitney Cranshaw, Colorado State University, Bugwood.org

5490395- Tree infested with European elm scale and black, sooty mold. Photo credit: Whitney Cranshaw, Colorado State University, Bugwood.org



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Hello from



Here are some things we've been up to out here Arbor Wise...

Arbor Day 2017
"All trees tell a story"

On June 3, Trees Winnipeg's annual event (#12) was held in Beautiful St. Vital Park for the second time, right next to the picturesque duck pond and the new pavilion...

The weather was great and as a result attendance was as well. It was perhaps our best attended Arbor Day to date... As usual we had an overwhelming amount of local Arborists, Professionals and volunteers dedicate their time to present an amazing event for the public, and present the message.

Our theme for this special day as always was and is *"All Trees tell a story"* Every year a local elementary school class holds an art contest with this theme. The winner has their art displayed on our shirt, and is a guest of honor for the day, with "front of the line" privileges for all events!

This year's winner was Bennet Brophy.

In 2017, visitors were treated to: **Zip Line rides...** on the new and improved set up by Alliance Tree Care

Kids and Adult Tree Climbs: Several trees were set up for the less to the more adventurous...from a simple foot lock a few feet up the rope to an all-out limb walk.....

Bucket truck rides: A breathtaking view of the park and the city aboard



"Kong" City Of Winnipeg Forestry's 90' Aerial lift....

Our ever-popular kids craft tent, a chain saw carver, wood turners, and a host of educational displays...

Arbor Day is Co-sponsored by Trees Winnipeg and ISA Prairie Chapter.

A big thanks to all our Sponsors, volunteers and organizing committee for making this a continually amazing event.

• St. Vital Park
 Our event sponsors who put in days of work into the setup and coordination of their very special events include:

- Alliance Tree Care
- Trilogy Tree
- City of Winnipeg Forestry
- Treelife
- Treewise
- The Barkman
- Green Drop Tree Care

Our Arbor Day Sponsors

- Main Branch Tree Service
- Boots: Arbor Day's best bartender
- TNT Tree
- Altec Industries
- Starbucks
- Bio Forest

- Jeffries Nursery
- Cubex
- Parkland Tree Care

Our non-profit vendors....All the volunteers, climbers and Techs who make this possible.....

A big special thanks to the girls who feed and water us from sunup to sundown!

- Lise Bettens
- Tasha Vinet
- Their capable assistant: Jodi

Our barbecue master and bartenders:

- Boots and Bettens!

Big thanks to our platinum sponsor **Vermeer Canada**. As a Platinum sponsor, they planted a legacy Freeman Maple in honor of Arbor Day.

Regal Celebration is the name for **Jeffries Nurseries** new Freeman maple which was chosen by Manitoba's Lieutenant Governor Janice Filmon to recognize distinguished Manitobans and visitors to the province.

Gave away hundreds of these bumper stickers

I hugged a tree at ARBOR DAY 2017



Trees Winnipeg's
2017 Re-Leaf Program

The Trees Winnipeg ReLeaf program wrapped up it's second successful year with providing quality trees to Winnipeg homeowners.

The Winnipeg Releaf Program is a collaborative project between **Trees Winnipeg** and the **City of Winnipeg**.

Recently, Winnipeg has been losing

about 5000 elms per year due to Dutch elm disease. Also, new urban forest threats like emerald ash borer, gypsy moth, and Asian longhorn beetle have the potential to destroy thousands of trees if they reach Manitoba. Planting new trees in our own yards is a significant step in preserving our green urban canopy for the future.

The **ReLeaf Tree Planting Program** provides Winnipeg homeowners with quality, affordable trees for their property. For just \$55 each, homeowners receive the tree collection(s) of their choice, along with all the supplies needed to give their new trees a healthy start.



Participants attend a tree planting workshop. At the workshop, they'll get tips on how to plant and care for trees in the long term. Once their new trees are planted, Trees Winnipeg will come for a quick visit to survey the trees – this helps us determine if the Winnipeg ReLeaf Program is successful and helps us improve the program for next year.

A big thank you to all the workshop volunteers who made Re-Leaf 2017 a great success. Particularly to the program co-ordinators: Keri and Zabrina.

Good job girls... whew!



Collected from The Canadian Arborist Facebook Page by Keith

Hurtin Arborist post.

Names removed to protect the offender.

Started with.....

I'm having a bad week, it's been about two years since I've screwed up like this. Feeling kinda down. Had the butt of a sugar go through the corner of a shed and then today wrecked a fence. I want to know what was your worst incident. I think it will make me feel better to know that no one of us is perfect and that we all make mistakes. Thanks guys and girls

Don't beat ya self up mate, we all mess up. I've taken out fences, sheds, roofs and then some.

Hmmmm, let me see,,, a windshield, a fence or two, ripped off the whole back step bumper of the aerial truck dropping some wood on it, that all I gonna say for now so don't feel so bad sometimes sh..tuff happens.

Fell through a customers bridge with my bucket truck! Two wreckers for 8 hours to get me out.

Mistakes are just that, mistakes. When they happen to us we just happen to be holding a chainsaw. The conse-

quences can be big and although it really sucks, property can be replaced. Personal injury would be so much worse. Each mishap will teach you something new, maybe even help prevent that personal injury. We ALL have stories. Chin up.

It happens, don't be too hard on yourself, I once dropped a stem on the main hydro lines snapped the pole in half and smashed a transformer on the ground, and ripped the wires out of the home owners electrical panel !!!! that was a day and a half!!!

The fact that you actually feel bad probably means you're not on meth, and that's good. right?

Dropped a spruce in our urban trail system and FLATTENED a homeless guys tent and everything he owned in his sad life was inside. Never even checked my drop zone because I was positive no one could possibly be out there.

oh man... Lol

(Continued on page 12)

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Crabs might occasionally climb trees, but this is the first documented species that makes them home.

By BRYAN NELSON

From The Mother Nature Network

A crab that lives in trees. Crabs that live in trees? It's official: Mother Nature has thought of everything.

What's truly surprising is that such a bizarre and unique creature has somehow escaped detection by scientists until now.

The new species, which was discovered in the forests of the Western Ghats in south India, was recently described in the Journal of Crustacean Biology. It was found thanks to

help from the local Kani tribe, who knew of the crab's existence long before scientists did. The crab was named Kani maranjandu in their honor.

This isn't the first crab known to spend time in trees; there are tree crabs in other parts of the world, including within India. But it's the first



(Photo: Peter K.L. Ng et al/Oxford University Press)



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"true arboreal crab" ever found, since it appears to live its entire life in the trees, never returning to a body of water found outside of the trees. The crab still needs water, of course, but it relies entirely on pools of water found within the hollows of its tree home.

Part of the reason these crabs have evaded scientific discovery for so long is that they're extremely shy. Kani tribespeople had to teach researchers how to locate the animals by looking for debris and air bubbles pushed out from their tree holes.

Aside from tree-living, the new species is also distinguishable due to its dark black-purple shell and its diagnostic elongated walking legs, specialized for arboreal life.

Scientists believe the discovery to be especially important because the crabs serve as ecological indicators. As tree crab populations fare, so too

fares the forest ecosystem where they live.

"As water holding hollows in large trees are essential for the survival of this unique species, the discovery also stresses the need for conservation of large trees in the degraded forest ecosystems of the Western Ghats," explained Dr. Biju Kumar, one of the study's authors, to Phys.org. "It also highlights how little we know about the actual biodiversity that resides in these forests and the efforts that must



A member of the Kani tribe shows their wisdom to the researcher.
Peter K. L. Ng et al/Oxford University Press on behalf of The Crustacean Society



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(Continued from page 8)

At least the guy wasn't in there!

I smashed a glass sun room with an elbow branch that was about a foot and a half...i knew it was going to bounce funny so I tossed it quite a ways away from the window and it cartwheels back and smashed it any-ways.

I just cut a 1 inch branch off a tree and "touched" the old jeep beside it. The old crow ran out and accused me of "dropping a tree on it" lmao

Dropped the top of a spruce doing a removal right onto a running 440 my ground guy had left in drop zone when I gave him shit for not wearing his helmet. Destroyed the exhaust manifold on a brand new chipper (weeks old) while backing up without a spotter. Ripped the side gate on our all purpose truck because I didn't latch it properly it fell down and hit a curb and ripped it off.

Actually didn't you run over Matt's helmet the day before that spruce? That day could have gone a lot worse.

Gosh. Is P... the destroyer your nick name at Tree Frog ? Lol

Cut a piece too big and took out a light standard haha

Oh man... Too many to list over the last 10 years.. Lots of fences, smashed the odd jap maple, during the ice storm in Toronto I flattened a bird bath something awful. I always say "1/100 get away from me ... Here's to hoping this is number 99"

Took out a 3phase 4.8kv with a tigercat off road lift and broke a pole

Yup, in 19 years I've done my fair share. Put a crease down the side of a car, tore off the mirror, gouged the wheel and ripped a hole in the tire. And I wasn't done yet, I then tore the bumper off. This was in my Davey spray truck when I was a rookie. Then a bunch of tree related stuff. Ripped the lines out of a Hi-Ranger boom, hooked the bundle on a stub in an opposite tree. Apparently for a rookie I wasn't supposed to be in such a tight

(Continued on page 13)

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(Continued from page 12)

area. If you haven't wrecked something maybe you haven't been working hard enough.

Do you remember when I ripped those lines out?

Yup. Blue hydro fluid all over the place

"Well you know I was trying to hinge this piece... Then the ground guy said something and you know how those guys can be, then bam tree on the house.. ground guys"

Oh and always take a picture or two and keep them... That sh..tuff will be funny in a couple months

Put a lift truck on its side. Broke a chipper hitch. Fence, tires, window.

If I had one piece of wisdom for the noobs; slow down, take it easy, the job will get done when it's done. If your boss or some sales guy under bid the job that his problem, not yours. Stuff gets wrecked when guys are in a rush and not thinking. I run my own show now, I don't give

too much thought to if we are behind on a job. By the end of the month or end of the year, it all balances out.

Hydraulic lines are the best, maximum carnage. Had the high speed line blow off my crane and pissed about 20 litres of blue hydro out before we got it shut off ... Agriculture Canada's definitely looking for us

It gets stupid after a while. Your up there 70 ft in the air risking your life rigging tops and blocks just to save some crappy old shed or fence. At some point you have to consider the value of your life vs the property you are trying to save. All that crap can be replaced but your life???

Life and limb comes first.

If you never smashed anything it only means that you don't cut enough trees or all you cut is teeny tiny

F350 accident at the dealership. Broken door on the bucket truck. Dropped chipper off hitch on Crowchild. Ground through a chain link fence with the big stumper.

(Continued on page 14)

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Dropped a trunk on a concrete sidewalk and busted it. I think that's about it. Philpocalypse Philmageddon take your pick lol.

I'm dying!!!! Hahahahahahahahaha

This year I thought of adding a line item to the budget and call it Philcidents.

I remember someone driving in a cemetery. Got it in a tight spot, dropped a tire in on a permanent tenant of the cemetery

Dropped a tree on my bosses truck. Big old cottonwood, meet little jeep. Pancake. Whoops. I told him he should move the truck. It isn't always my fault

I left the rear boom up and went to the bathroom. When I got back, we decide to go to store and I drag a big fiber optic cable down the road till the pole snapped and then it just hung there while we called for help.

"Experience is simply the name we give our mistakes."
Oscar Wilde



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Issue Dates: Submission Deadline

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March	February 15

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Runtime	Up to 55 min (with AP 300)
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