

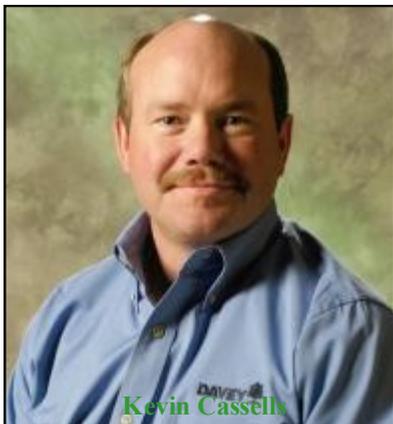


The Prairie Arborist

The Official Publication of the ISA Prairie Chapter Issue 3 2016



You've all heard of General Sherman the huge Sequoia in California....., meet the Colonel, Colonel Klink , the second biggest Cottonwood on Finlayson Island near Battleford SK. Second of course only to Sergeant Schultz. Watch for Schultz in an upcoming issue.



Winter came early to many places on the prairies this year with heavy wet snow falling in parts of all three provinces.

The elm pruning ban for 2016 recently came to an end September 30th and many of

the elms that were waiting for some attention can now become the focus of our attention.

The Prairie Chapter's annual Conference is in Red Deer this year October 31 and November 1. If you haven't registered, its not too late. Check out the lineup of speakers and topics that Susan Katzell and her crew have put together in this issue. If you need ISA CEU's and pesticide CEU's this is a conference you won't want to miss. I understand the date is not perfect for everyone however, when we get commitment from our host volunteers, sometimes the hotel availability options are limited. Just the same, we are on the way to having our highest registration ever for the conference. Thank you for your continued support of Chapter events

Thank you and congratulations to Emily Michaelson, Rob Knight and Jesse Antonation who represented the Prairie Chapter at the recent North American Tree Climbing Championships in Niagara Falls. Jesse posted a first place in the Preliminaries 25 points ahead of the next closest competitor and a second place in the Masters.



Jesse Antonation First place finish at the NATCC Prelims

From Vice President Mimi Cole

Aren't the colours stunning!?! (Submitted prior to snow) Here we are heading in to fall already.. a very wet year in Alberta, (although I'm told there are pockets that did not see a drop of rain) which should help to replenish ground water reserves.

It was great to be a part of a very successful TCC in June at Olds College where we saw our largest list of climbers ever register for the event despite missing Mr. Lutes and son who had car trouble along the way and didn't make it. It was awesome to watch our climbers demonstrate their skills with such passion and professionalism. A big shout out to all the participants and our TCC team of volunteers who worked hard to make it happen.

The annual conference will be upon us very soon with the City of Red Deer hosting. There is an engaging line up of speakers and a sold out Tradeshow. Having Arborfest on Halloween will give us all the opportunity to mix it up with costumes or masks. Should be lots of fun and I hope you all can make it!

And on a closing note, thank you Keith! You are the voice on the end of the phone line answering our questions getting us registered and our memberships renewed. Thank you. See you in October and in meantime, work safe everyone.

M.J. "Mimi" Cole
ROCKY TREEGRL LTD.



2016 Conference Speaker Preview

Brian French, Ascending the Giants

Rex Bastion, Davey Tree

Dr Ken Fry, Olds College

Jim Hole, Hole's Greenhouse

Dwayne Neustaeter, ACTE

Len Burkart, Davey Tree

Dr. Neil Holliday, and many more.

Save the Date

The 2016 Prairie Chapter Conference and Tradeshow

will be in Red Deer, Alberta
At the Sheraton October 31-November 1

It's not too late to register
<http://www.isaprairie.com/2016-annual-conference>

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Brian French

Brian French is founder of Portland, OR based tree care company, Arboriculture International LLC since 2013. He has been a climbing certified arborist since 2002 and is an ISA qualified tree risk assessor. Serving as coordinator for the Oregon Champion Tree Registry and Portland Heritage Tree Program Chair, his work focuses primarily on the preservation of significant, old trees and associated flora and fauna. His volunteering for the Audubon Society of Portland has paved the way for various ongoing wildlife habitat projects including salmon habitat restoration, snag development, red tree vole surveys and developing urban wildlife guidelines.

Arborists and Wildlife

In some instances, removing habitat may be breaking the law. Often climbing arborist's are making first ascents into the crowns of trees and may come in contact with wildlife. Knowing regulatory laws and protected species is the arborist's responsibility.

We should recognize that wildlife need homes. The presence of wildlife in trees is often associated with risks. However, in many cases risks can be reduced and mitigated while retaining existing wildlife habitat or creating new wildlife habitat. Not all trees need to be used as habitat trees, but in the right place it can make a large difference to the community around.

This presentation will show how instead of removing trees to the ground, portions can be safely retained and used as habitat. You will learn how you can attract the type of animal you are creating habitat for by the size and location of the holes you create.

Dwayne Neustaeter

Arboriculture Canada Training & Education Ltd. Dwayne Neustaeter is president, curriculum programmer and lead instructor of Arboriculture Canada Training & Education Ltd., an organization focusing on meeting the training and business needs of arborists and related industries.

He instructs classes, seminars and hands on training programs on safety and a wide range of skills for arborists around the world. He is widely recognized for his upbeat speaking style, engaging learners and making learning fun.

As current member of the ISA BCMA Test Committee, past Society of Commercial Arboriculture President, past-president of the ISA Prairie Chapter, past committee member of the ISA Tree Risk Assessment Qualification Panel of Experts and ISA TRAQ instructor, Dwayne remains involved in associations and commit-

tees across North America to give back to the industry and continue learning.

Connecting arborist's and wildlife

There is an increase in the trend to develop wildlife habitat from trees being removed. This seminar will introduce the concept of creating viable and specific wildlife habitat and how this can be leveraged into a competitive edge for your organization.

Wildlife Habitat Selection and Construction

The trend to create wildlife habitat from urban trees has been going on for many years. The problem has been that much of what is being constructed in the name of habitat has not considered the species of wildlife in the area needing habitat or the special characteristics needed in order for the habitat to become inhabited. The details of habitat construction based on wildlife present is the content of this seminar and will focus on habitat construction and selection for the Central Alberta area.

Jim Donaldson, Chairman

Alberta Waste Wood Recycling Association [AWWRA]

Jim Donaldson is a professional environmental Waste management business advisory consultant as the Owner of Waste Reduction & Recycling Consultants and Chairman/Founder of the north America's first Wood waste recycling association—the Alberta Waste Wood Recycling Association.

Jim has with more than 30 years combined experience in the Logging, Mining, Forestry, Cattle ranching, Construction and environmental Waste management industry and is focused on the expansion of both the Alberta and Canadian Wood waste recycling industry.

Environmental associate members of the ISA Prairie Chapter, on behalf of the Alberta Wood Waste Recycling Association, its members, partnerships and stakeholder (s), we look forward to developing a dynamic environmental Wood waste recycling, Bioeconomy industry business relationship with each of you Alberta's Emerging Wood Waste, Bioeconomy Utilization Industry

As described in the following interactive PowerPoint presentation the AWWRA will provide you with an introduction into the Alberta Wood waste Recycling Industry and a glimpse at the future business opportunities in working with the Alberta Wood Waste Recycling Association.

The Alberta Wood waste Recycling Industry is gaining momentum throughout Alberta, largely because of the Alberta Wood Waste Recycling Association and its industry forward thinking members, partnerships and

stakeholder(s). As an industry non-profit organization, we are now up to eighteen (18) operational AWWRA Membership, Governmental County Landfill and Private Wood waste recycling facilities in Alberta.

Shawn Moore

Shawn has been dealing with trees since 1991 working with a seismic company clearing lines of sight for the oil and gas industry. After venturing on his own in 2005, the downturn in the economy hit him twice and realized it was time to diversify. After attending numerous seminars and the Can-Bio conference in 2012 it became obvious that the wood waste he accumulates was a com-

modity that shouldn't be thrown away. He has now designed his company as a full circle company from tree take downs to milling to kiln drying to produce a value added product Co presenter with Jim Donaldson -

Urban Logging in Red Deer

Urban forests offer their main benefits to our communities when they are alive, such as providing shade, cleaning our air and water, giving curb appeal to landscapes and expressing their raw beauty. However, urban logging presents a new opportunity to find value in these trees when they no longer can provide living benefits. Throughout a trees life many factors can come into play like disease, mother nature, disasters, developments or other concerns

causing a tree's life to end. Through Urban logging we are no longer throwing the commodity away and can extend the benefits to municipalities, economies and the environment.

Dr Neil Holliday

Dr Neil Holliday is Emeritus Professor at the University of Manitoba, having retired from the Department of Entomology in 2012. He came from England to Canada as a post-doctoral fellow in 1974 and joined the University of Manitoba in 1977. He began research on the ecology and management of insects associated with trees when starting his Ph.D., some 44 years ago. Since 1992, he has studied the bark beetle vectors of

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Dutch elm disease in the Prairie Provinces, including the ecology and management of the native elm bark beetle, and more recently the biology of the banded elm bark beetle.

Banded Elm Bark Beetle- The Threats to Prairie Elms

The general biology of bark beetles and their interactions with trees and fungi will be reviewed, before focusing on the bark beetles that attack elms or may transmit Dutch elm disease on the Canadian prairies. The biology of the recently-arrived banded elm bark beetle, *Scolytus schevyrewi*, will be described. Using recent trapping data, my laboratory's research on the beetle's biology in Manitoba and Saskatchewan, and published information from the USA and from the insect's origin in Asia, I will address the current and potential future status of *S. schevyrewi*, its threat to prairie elms, and possible management responses.

Anita Schill

Anita Schill, P.Ag., is an ASCA registered consulting arborist and an ISA certified arborist. Owner of Tree & Leaf, Inc. Anita provides services and reports that require forensic investigations and diagnostics, tree appraisals, tree inventories, urban soil assessment and tree protection during construction for municipal organizations, engineering firms, construction companies, insurance agencies, law firms, landscape architects and developers.

Current tree industry involvement includes participation in the ASCA A300 Advisory Committee and is a member of the peer review committee for The Consultant, ASCA newsletter. Anita believes that the natural progression from arboriculture and urban forestry will be urban ecology, in which trees and shrubs play a major role, and is presently pursuing an ecological restoration professional specialization certificate.

Consult with Confidence

In recent months arborists have asked me to provide some information/advice as to how to approach a consulting assignment. I am very excited that there is an increasing interest in arboriculture consulting within the Prairie Chapter. In this presentation, I hope to deliver some guidance that will help individuals avoid pitfalls, understand the commitment for research and site investigation, and present a clear objective consultant's report.

Dr Ken Fry

Dr. Ken Fry, Coordinator for Horticulture and Entomology Instructor in the School of Animal Science & Horticulture at Olds College, has been involved in insect pest management research, teaching, and extension for over 25 years, including 9 years as a research scientist at the Alberta Research Council and 12 years at Olds College.

His research is focused on biological control of insect pests and integrated pest management.

Ken is co-author, with Doug Macaulay and Don Williamson of "Garden Bugs of Alberta" and a contributing author to "Organic Farming on the Prairies"

Alien Invasive Species Surveillance Summary – Who is Visiting Your Trees

This session will present the results of the Alien Invasive Species Surveillance program for the years 2012-2015. Species trapped will be detailed as well as distribution, timing and lure efficacy analysis. The biology of selected species will be highlighted along with a general discussion of surveillance programs and forest health

Toso Bozic

Toso Bozic is an employee of Alberta Agriculture and Forestry Department. He has held this position for the past 16 years.

Toso graduated from the University of Belgrade in Yugoslavia and holds a degree in Forest Engineering. He has over 20 years of experience in forestry, bioenergy, agroforestry and woodlot management. He is author of several extension publications, several dozen fact sheets and many newspaper articles on bioenergy, woodlots and agroforestry. He gives over 60 presentation a year at various events.

Toso has many personal interests including refereeing soccer, astronomy and photography. Toso is married with 2 children and lives in Edmonton, Alberta.

The Importance of Natural Forests to Urban Areas
Most urban areas in Alberta are surrounded by agricultural land with small portions of natural forest. These forests are called woodlots and provide several benefits. They are natural "hotspots" of biodiversity, wildlife corridors and key habitats for many urban wildlife species. Natural forests around urban areas also modify or moderate local climate that are favorable for trees in urban areas. They provide refuge for beneficial organisms, improve natural pest suppression, reduce water treatment costs and improve water and air quality

Regenerating the Urban Forest – The Strong Survive

Urban foresters often use the landscaping approach to tree planting, rather than allowing natural regeneration to take its course. Working with trees and shrubs that produce a large amount of seeds can be more beneficial than planting larger trees. Natural forest regeneration can provide many benefits:

- cheaper forest establishment
- already adapted tree seeds have a better chance of survival

- better resistance to insects and diseases
- reduction of potential pest problem carried by trees from other areas

It is crucial to the long term sustainability of urban forests to keep and use the seeds from diverse trees and shrubs grown in urban areas.

Jim Hole

Jim grew up in his Family's horticulture business and has been co-owner of Hole's Greenhouses and Garden Centres in St Albert since 1979.

Jim has a bachelor of Science degree in Agriculture with a Plant Science Major from the University of Alberta, as a Professional Agrologist, an ISA Certified Arborist, Certified Professional Horticulturist with the American Society of Horticultural Science and a Certified Greenhouse and Landscape Pesticide Applicator. Jim is a Landscape Consultant and provides plant diagnostic services both in the store and online.

In addition to writing bestselling gardening books, Jim is a columnist with the Edmonton Journal, the Saskatoon Star Phoenix and CBC radio.

The Pen is Mightier than the Chainsaw—Moving from Tree Cutting to Tree Counselling

Tree pruning and tree removal are the cornerstones of professional services provided by many Certified Arborists but require expensive equipment and skilled "aerial athletes" to get these jobs done properly.

But having received thousands of samples of trees and shrubs, in my 30 years of horticulture, I know there is an increasing demand for services that are more proactive than reactive in nature.

So what are some of these other services and do they provide a return on

investment? Jim will share some of the top concerns his customers have with their trees and explore some of the niche opportunities available for arborists.

Troy Kimoto

Troy Kimoto has worked as a plant health survey biologist for the Canadian Food Inspection Agency for 15 years.

His work includes drafting survey protocols for invasive forest pests, developing outreach products and collaborating with municipal, provincial, federal and international partners on various forest pest projects.

Emerald ash borer and other invasive alien forest pests: Potential threats to trees and forests in the prairies

The emerald ash borer (EAB) and Asian longhorned beetle (ALHB) are 2 non-indigenous forest pests from Asia. EAB is well established and is spreading in Canada, while ALHB has been eradicated from Toronto and is under eradication in Mississauga, Ontario. In addition to discussing the biology, pathways for introduction and impacts of these 2 beetles, this presentation will also discuss other invasive pests which currently do not occur in Canada but could threaten trees and forests in the Prairie provinces

Rex Bastian

Rex joined The Care of Trees in 1989 after receiving his Ph.D. from Iowa State University, majoring in Entomology. He is a Regional Technical Advisor with the Davey Tree Expert Co./The Care of Trees, with emphasis on education and training, public relations, and diagnostics. He is an International Society of Arboriculture Board Certified Master Arborist and currently serves on the ISA Board Certified Master Arborist Test Committee.

Why Do Trees Die?

As arborists, we recognize that trees die. Our clients, however, commonly expect their trees to live long, trouble-free lives. When they don't, our clients can become rather perplexed and look to us for an explanation.

To provide that explanation, we need to understand that a tree functions as a system comprised of both internal and external inputs that are dependent on both internal and external processes. Sound complicated? It certainly is, but with a little rational thought, we can boil it down to some pretty basic principles. Knowledge of these principles will enable us to become better arborists by understanding the rigors trees face on a day to day basis.

Arboriculture and Tree Energy Dynamics

Trees, like all living things, survive through the transfer of energy. This transfer occurs both within the tree itself, as well as between the tree and its environment. Far from being static processes, however, energy relations are highly dynamic, constantly changing as trees age, decline and die. The astute arborist should be aware of these changes, so as to provide the best advice and management recommendations to his or her clients.

Leonard F. Burkhart

Leonard F. Burkhart, Jr. Ph.D., is a horticulturist, with degrees in Botany, Agronomy, and Horticulture. His responsibilities include science advising, research, and arboricultural and horticultural consulting for The Davey Tree Expert Company in Western U.S. and Canada.

Dr. Burkhart joined Davey in 1991. Prior to joining Davey, he was a Staff Agronomist at the University of Illi-

(Continued on page 8)

nois. He has more than twenty-five years of experience teaching horticulture and weed science.

Dr. Burkhart is a member of the International Society of Arboriculture (ISA), Western Chapter-ISA, and the PLAN-ET Representative for the Council for Tree and Landscape Appraisers (CTLA).

Laura Stewart

Laura Stewart has worked with Alberta Agriculture and Forestry for the last year as a Wildfire Information Officer. Prior to joining the Alberta team, Laura spent four years with a municipal fire department as the Community Safety Education Coordinator. In this role, Laura was responsible for coordinating all home fire safety, emergency preparedness, and injury prevention programming. In 2012, FireSmart planning and education were added to Laura's portfolio and she led a community FireSmart program.

Laura oversees the FireSmart Communities program for the province and is eager to partner with Alberta communities and work towards receiving FireSmart Community Recognition.

Ryan Senechal

Ryan Senechal – BC Plant Healthcare Inc. (Victoria, BC) – Ryan is Senior Safety and Training Officer and Consulting Arborist at a company with 65 employees operating from 4 locations in coastal British Columbia. He is a Certified Treecare Safety Professional, a Humber College Urban Arboriculture graduate, and has 13 years experience as a tree climber, industry trainer, and more recently a UAV operations manager carrying an SFOC. Ryan began using drones recreationally in 2014 logging many hours, and has only had 2 crashes that were spectacular looking but caused no damage.

Applications and Legalities of Unmanned Aerial Vehicle (Drones) Use in Urban Arboriculture

Unmanned aerial vehicles have surged in popularity in the Canadian work place particularly since the launch of DJI's Phantom 4 aircraft in early 2016. As a company owner or employee with access to this inexpensive and highly capable aircraft, the temptation is to take the drone out of the box and put the tool to work; are you in compliance with aviation law? What's at stake? What are the rules for commercial operators? How can you obtain a Special Flight Operating Certificate? These topics will be explored with an Arborist's perspective.

Ken Wright

Ken Wright has been a nursery grower for at least 40 years - sometimes he forgets how many years it has been - just that long. In those years he and his wife Pam started and operated Bow Point Nursery for 25 years. In the last two years they have moved to the Stauffer area to start a new nursery focusing on native trees and shrubs from southern and central Alberta. The new nursery will be a wholesale seedling nursery - obviously we are getting too old to grow larger plants. The native woody plant production has been a very successful and rewarding venture - which continues

Alberta Tough - Native Plants for the Landscape

Native plants have evolved to survive the variable and inconsistent climate I weather conditions that exist in Alberta. The fact that they are drought resistant, insect and disease tolerant, makes them good landscape candidates to replace introduced plant material that may not be able to withstand the changing climate and unusual and unpredictable weather events. This talk will explore some of the local seed sourced plants that can fill the spots in a landscape that the introduced plants have or are failing - yes Cotoneaster, we are looking at you. (among others)

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Hazard & Danger Tree Cutting & Falling
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Production Tree Removal & Rigging
 Calgary, AB - November 16 - 18

- Instructional strategies that simulate job tasks and promote learning transfer
- A high level of interactivity
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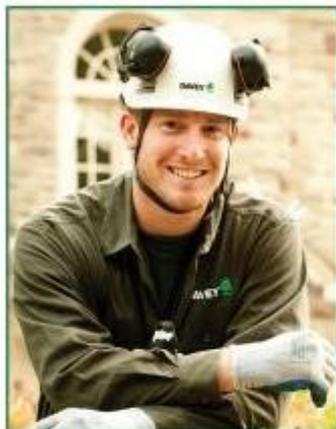
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tional learners who respond best to visual, auditory, and hands-on teaching methods.

- Instructional strategies that simulate job tasks and promote learning transfer
- Self-paced instruction
- Emphasis on visuals, including several graphics
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- Quiz questions that simulate certification tests and lead to mastery of learning objectives
- Glossary of key terms with definitions and pronunciations.

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By Jim Clark

From the *Arborist News* / www.isa-arbor.com

In 2012, the Council of Tree & Landscape Appraisers (CTLA) released a draft of Guide for Plant Appraisal, 10th Edition. Member organizations provided comments and suggestions. The responses resulted in a reboot of the preparation of the 10th edition, as well as several changes in Council representation. The Council looks forward to the release of a second draft in the near future. In anticipation of the new draft, the Council thought it would be valuable to review some of the goals for the new edition.

First, the 10th edition will build on and strengthen the approaches and methods presented in previous editions. Earlier versions of the Guide focused almost exclusively on the cost approach. While the cost approach will continue to be emphasized, the 10th edition will strengthen discussion of both market and income approaches. Where needed, the 10th edition will correct errors and offer clarification. The strengths and weaknesses of each plant appraisal approach and method will be identified. The 10th edition will also incorporate recent research relevant to tree appraisal, particularly related to contribution of trees to real-estate market value and the value of environmental and ecological benefits provided by trees.

Second, the new edition will discuss the concepts that form the foundation of plant appraisal. Previous editions of the Guide did not cover this topic and instead focused largely on methods. Given the feedback the Council has received from member organizations, it is clear that a framework of the appraisal process is also needed.

The 10th edition will bridge the gap between concept

and practice with a more detailed discussion of the appraisal process, as well as identifying the purpose and use of the appraisal. By including discussion of concepts and process, the 10th edition will give readers a better understanding of, and guidance on, the practice of plant appraisal. For example, throughout the 9th edition are comments that plant appraisers should consider their results in the context of real-estate market value. The reasons behind these statements are not always clear.

The 10th edition will strive to provide a conceptual background to such direction.

Third, the 10th edition will align plant appraisal with the concepts and terminology employed in the general practice of appraisal.

This goal is similar to that of the International Society of Arboriculture's effort to align tree risk assessment with the general practice of risk assessment. While plant appraisers face unique circumstances, the ideas and concepts that we employ are the same as for general appraisal.

To this end, Guide for Plant Appraisal, 10th Edition will adapt general terminology and, where necessary, modi-

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fy it to better fit plant appraisal. These changes in terminology will be the subject of upcoming articles authored by Council representatives.

The new edition will also discuss the organization and context of appraisal reports, again adapting general appraisal practice to the unique field of plant appraisal. As another example, plant appraisers have described the result as an “appraised value.” This is not a term used in general appraisal practice.

The 10th edition will refer instead to the “assignment result,” and distinguish between cost estimates and value estimates. In the Council’s view, a successful 10th edition will achieve these three goals. It will build on previous editions of the Guide by providing a conceptual basis to plant appraisal, by describing the appraisal process in some detail, and by aligning plant appraisal with the general practice of appraisal. This will provide a stronger foundation for the practice, and enhance the overall credibility and stature of plant appraisal.

I’d like to offer a personal perspective on the 10th. several years ago, I attended the wildlife Fire Litigation Conference, an annual meeting of attorneys, state and federal agencies, insurance representatives, fire investigators, and a few consulting arborists.

During a presentation on tree appraisal, an attorney in the audience observed, “People who write the Guide are experts on trees, but they may not be experts on the value of trees.” As Council members Bret Vicary and Dick Gooding noted in an Arborist News article, published in 2007, the Guide, “should provide sufficient detail to enable the appraiser to follow a systematic process for defining the appraisal problem, identifying the proper appraisal approach, and developing a credible conclusion.”

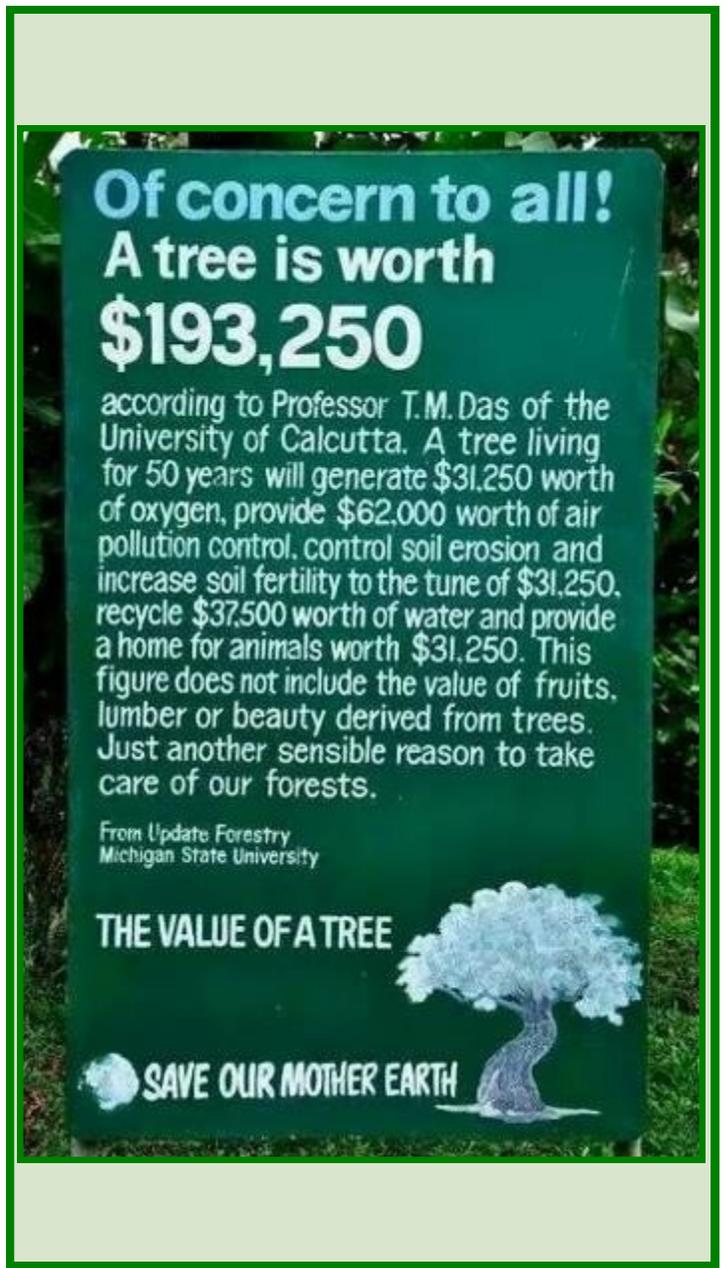
The Council of Tree and Landscape Appraisers (CTLA) represents seven supporting organizations within the green industry. The CTLA is responsible for developing industry consensus methodologies for determining the value of vegetation in the landscape. Representatives to the council collaborate as authors of the Guide for Plant Appraisal and act as conduits for individuals from the supporting organizations to participate in the development and review process of the Guide through membership and participation in a review group.

The supporting organizations include:

- AmericanHort

- American Society of Consulting Arborists
- American Society of Landscape Architects
- Association of Consulting Foresters of America
- International Society of Arboriculture
- National Association of Landscape Professionals
- Tree Care Industry Association

Jim Clark is a representative of the American Society of Consulting Arborists, and chairman of the Council of Tree and Landscape Appraisers.



Parting Shot by Sara Sklover



USA 1004 SKLOVER TREE CLIMBER AND PHOTOGRAPHER 2014

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The Prairie Arborist is published four times per year and is the official publication of the International Society of Arboriculture—Prairie Chapter.

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