



The Prairie Arborist

The Official Publication of the ISA Prairie Chapter Issue 1 2016



Cover photo by Keith Anderson



Kevin Cassells

It's been a busy few months in the Prairie Chapter. We recently had our winter Board meeting here in Edmonton where all of your volunteer Directors and Executive were in full attendance. That may be a first. Thanks to all the Board members for volunteering to help steer the organization into the future.

Back in 2012 the Chapter experienced an all time low, financially speaking. There were some poorly attended conferences and workshops causing revenues and the consequent operational funds to drop. Previous boards had set up a rainy day fund in the form of GIC's with B of M. The Board of the day made the decision to cash in some of the GIC's to keep the organization afloat. Under the leadership of former President Bonnie Fermanuik, an effort was made to replace the rainy day fund by beginning to purchase GIC's as finances allowed.

I am pleased to report that the Chapter is coming to be in a much better financial position and under Bonnie, was able to purchase a \$15,000 GIC in 2015. Further, due to the success of the Lethbridge Conference and our TRAQ Workshops, we are able to purchase an additional \$15,000 GIC in 2016 and have budgeted to do so.

I just want say thank you again to the Lethbridge Conference Committee for putting on such a great Conference. The Conference in Saskatoon in 2014 was another great success. Because of these and the support of the membership attending our Conferences and Workshops as well as some great sponsorship from industry, we have survived the financial crisis of 2012 and look forward to a positive future.

If you haven't heard, the Chapter sent PCTCC 2015 winners Kali Alcorn (Olds) and Jesse Antonation (Winnipeg) to compete in the International Tree Climbing Championships in San Antonio, Texas on the weekend of April 2. Kali who was competing in her first world championship, placed 12th out of 20 women from around the world. Jesse placed 12th in a field of 44 world class climbers. I think these may be our best results ever. It's amazing to think that our prairie climbers can do so well on the world stage especially when competing against climbers from growing zones that are much kinder to the promotion of large trees. Way to go Kali and Jesse we are proud to have had you represent us at this competition.

On a side note the 2016 Prairie Chapter Tree Climbing Championships will be held on the Olds College campus on the weekend of June 18. I hope to see many of you there to cheer our climbers on.

Work safe.

Kevin

Students: Check Out These Professional Growth Opportunities Through ISA

Apply today! ISA and the Arboricultural Research and Education Academy (AREA) are now accepting applications for two exciting opportunities for students to participate in the 2016 ISA Annual International Conference and Trade Show. Additionally, ISA Headquarters is seeking applicants for the 2016 Student Fellowship in Arboriculture. >>[Read more](#)

Confused About Recertification? Let Us Break It Down

Maintaining your certification is an important part of your career, but you may not be sure of the process. If you need clarification about what you need to do, when it needs to be done, and how to do it, we can help >>[Read more](#)

TRAQ is BACK in 2016

For details and upcoming workshops check out [TRAQ events](#)

[Tree Risk Assessment Candidate Handbook](#)
14.5 CEU's available

Call the office for more info 866-550-7464



[Registration](#)

[Fort Worth Convention Center](#)

1201 Houston Street
Fort Worth, Texas (US)

Coming Soon!

BioForest Plant Health Care Workshop

Keep your eye on your Treemail for details on date and location of this workshop.

The City of Calgary in partnership with BioForest and the Prairie Chapter will be hosting a full day workshop with guest speakers on European Elm Scale, Red Elm Bark Weevil and other pests affecting Western Canada.

A demonstration using TreeAzin® Systemic Insecticide and the EcoJect® System will also be provided.



Date, time and location will be finalized soon



2016 ISA Prairie Chapter Conference
Red Deer, Alberta



URBAN FOREST / NATURAL FOREST
"Interface of our green infrastructure"
OCTOBER 30 - NOVEMBER 1, 2016



The next TRAQ Workshop in the Prairie Chapter will be in Edmonton AB. April 20-22, 2016. Watch the **SOLD OUT** website for registration information for this upcoming workshop.

Next TRAQ Workshop could be right where you live.

Call Keith at the Prairie Chapter office to find out how you can host a TRAQ Workshop. Phone 866-550-7464

Save the Date

ISA Certified Arborist, Municipal specialist and Utility Specialist Exam

What: ISA Certified Arborist, Municipal and Utility Specialist Exam

Where: Olds College
Land Science Building

When: April 30, 2016
Check in: 8:30am
Exam Time 9:00am

Next opportunity to write a paper exam Will be October 30 in Red Deer at the conference

Save the Date

The 2016 Prairie Chapter Tree Climbing Championships

will be on the Olds College Campus
June 18 & 19

Watch the Website for details

Save the Date

The 2016 Prairie Chapter Conference and Tradeshow

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

STOPDED AGM and Conference

April 28, 2016 @Olds College

April 28, 2016 - 9:30 AM - 2:30 PM

Room 1027, Land Science Building;

Olds College, Olds AB

Hosted by Olds College.

Coffee and lunch supplied by STOPDED.

We have 2 speaker after the AGM.

- **Banded elm bark beetle (BEBB): biology and potential to transmit Dutch elm disease.** Dr. Neil Holliday

Neil is a retired Professor from the University of Manitoba but still has several bits of research on the go, some of it to do with DED. STOPDED help fund one of Neil's projects "Bionomics of BEBB and the implications for DED Management". This will be an important topic since BEBB captures is on the rise in Alberta.

- **Alberta's Wood Waste Recycling and Utilization Industry.** Jim Donaldson

Jim is the Chairman of the Alberta Wood Waste Recycling Association (AWWRA). Their industry membership is providing Climate Change Leadership Solutions through incorporating environmental action as a strategy, by diverting from landfill our renewable resource: Wood waste-for an array of Reuse applications.

- Dr. Ken Fry, Mike Jenkin and Lindsay Bell will there to answer questions on trap set up and how to return samples for inspection for the Invasive Alien Wood Boring Species and elm bark beetle monitoring programs. Agenda and Olds College parking pass will follow.

ISA CEUs and Pesticide Applicator Credits will be available

Please RSVP to stopded@shaw.ca with the number of people attending so that arrangements for food can be made.

Janet Feddes-Calpas
STOPDED Executive Director
403-782-8613

stopded@shaw.ca

www.stopded.org

STOPDED Hotline: 1-877-837-ELMS

From www.stopded.org

Dutch elm disease (DED) is a deadly disease that can affect any elm tree.

Since its introduction from Europe in 1930, it has destroyed millions of American elm trees across North America.

DED is prevalent in Manitoba, Saskatchewan and Montana. At present, Alberta has the largest DED-free American elm stands in the world.

A total of 219,334 elms, worth \$634 million dollars, grow in Alberta's urban areas.

Alberta has been fortunate to remain DED free for many years however, in 1998 one elm tree in Wainwright was confirmed to have disease. The tree was immediately removed and burned. It is believed that firewood brought into the province was the source of infection. Alberta is still DED-free.

DED is caused by a fungus that clogs the elm tree's water conducting system, causing its leaves to wilt and the tree to die, usually within one or two seasons. It doesn't infect other tree species.

The fungus is spread from one elm tree to another mainly by the smaller European elm bark beetle and the native elm bark beetle. The beetles breed under the bark of dead or dying elm wood. The new generation of beetles emerge from a diseased tree. Carrying the fungal spores with them, the beetles infest healthy elms on which they feed, thereby spreading the disease.

Help keep Alberta Dutch Elm Disease free.

DON'T PRUNE ELM TREES FROM APRIL 1 TO SEPT 30

The elm bark beetle, which transports the DED fungus, is attracted to fresh wounds on elm trees. The Alberta elm pruning ban prohibits pruning when the beetles are most active.

- Do not store elm wood
- Ensure wood is properly disposed of at a landfill or by burying, chipping, or burning it immediately



Prevention starts at home.

www.stopded.org • 1-877-837-ELMS (3567)



Government of Alberta



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visit BioForest.ca to start your treatment program today.



Dendrophobia- Fear of trees

www.phobiasource.com

When the object of your irrational fear is trees, you have dendrophobia. Most people find trees to be calming and peaceful, but some people seem to loathe the twisted trunks or intense growth.

Specific trees may afflict a person negatively and evoke strong and relentless anxiety. Fear of being hit by a falling tree is often a key trigger. Some trees can become diseased, turn hollow and may fall anytime. This unpredictable state of a tree can result in avoidance of places with huge trees such as forests or parks.

Falling trees can cause injury and damaged property and this may be the cause of this unusual phobia.

Symptoms include unrest, rapid pulse and dizziness when in vicinity of trees. When trees are completely still, the brain can start playing tricks and make trees appear abnormal and frightening. Quiet and isolated rural settings can be full of dense trees can act as triggers. Those with a severe phobia may suffer from full blown panic attack or may try to flee from a place they think may cause them physical or mental harm.

Treating this phobia depends on the root cause and the degree of fear a patient has regarding trees. The therapist will try to identify the cause of fear and start from there. Medications may be given to treat severe symptoms of anxiety.

*The following is from
Francesco Ferrini Italy facebook page*

Unfortunately, as many know, three people died yesterday in Italy as a result of falling trees. The Italic "alberophobia" (Tree-phobia) is already started and will not be easy to stop it. There is the usual problem of risk perception resulting from the presence of trees. As reported by Wikipedia (now risen to the only source of truth) in the evaluation of the possible evolutionary scenarios of an area, such as the analysis of environmental problems, the risk is a value defined by the product:

$$\text{Risk} = P \times Vu \times Val$$

where

P is the hazard of the event to happen, i.e. the probability that a phe-

Citizen's Grove in Okotoks

Long time Chapter Member, Certified Arborist , Urban Forester from the Town of Okotoks and your Certification Liaison Gordon White stays active on the frontlines of arboriculture.

Wednesday September 23, 2015 the Town of Okotoks planted the first annual Citizens Grove to celebrate Canada's National Tree Day.

Thanks to the DeWinton's First Cubs Unit that volunteered to help the Town plant approximately 50 plants. Species planted include Scotch pine, Siberian larch, mountain pine, nanking cherry, golden current, potentilla and Canada buffaloberry.



nomenon occurs in a given space with a given return time;
Vu is the vulnerability, namely the ability of a given element to withstand the effects related to the dangerous phenomenon (for example in the case of the earthquake risk the capacity of a building to resist the effect of shaking);

Val is the value that the element (material or human) exposed to the risk takes in terms of human lives, economic, artistic, cultural or otherwise.

You can also consider a simpler formula

risk = probability (of a disruption event) x loss (connected to the event occurrence)" is a measure of the expected loss connected with some-

thing (i.e., a process, a production activity, an investment...) subject to the occurrence of the considered disruption event. It is a way to quantify risks.

You may also rephrase as "risk = failure probability x damage related to the failure".

If we applied the formula to all "natural" events (related to animals, climate, landslides, etc.) The value of the risk linked to tree falling would be much lower than that caused, for example, by the sting of bees, wasps or hornets. If you consider the natural

cataclysms you get values 10 times greater.

As I said in the very beginning of this food for thought article, unfortunately, when millions of trees are in our forests and urban forests grow in the silence of our forests and urban forests, no one notices, when just one falls over everyone complains"

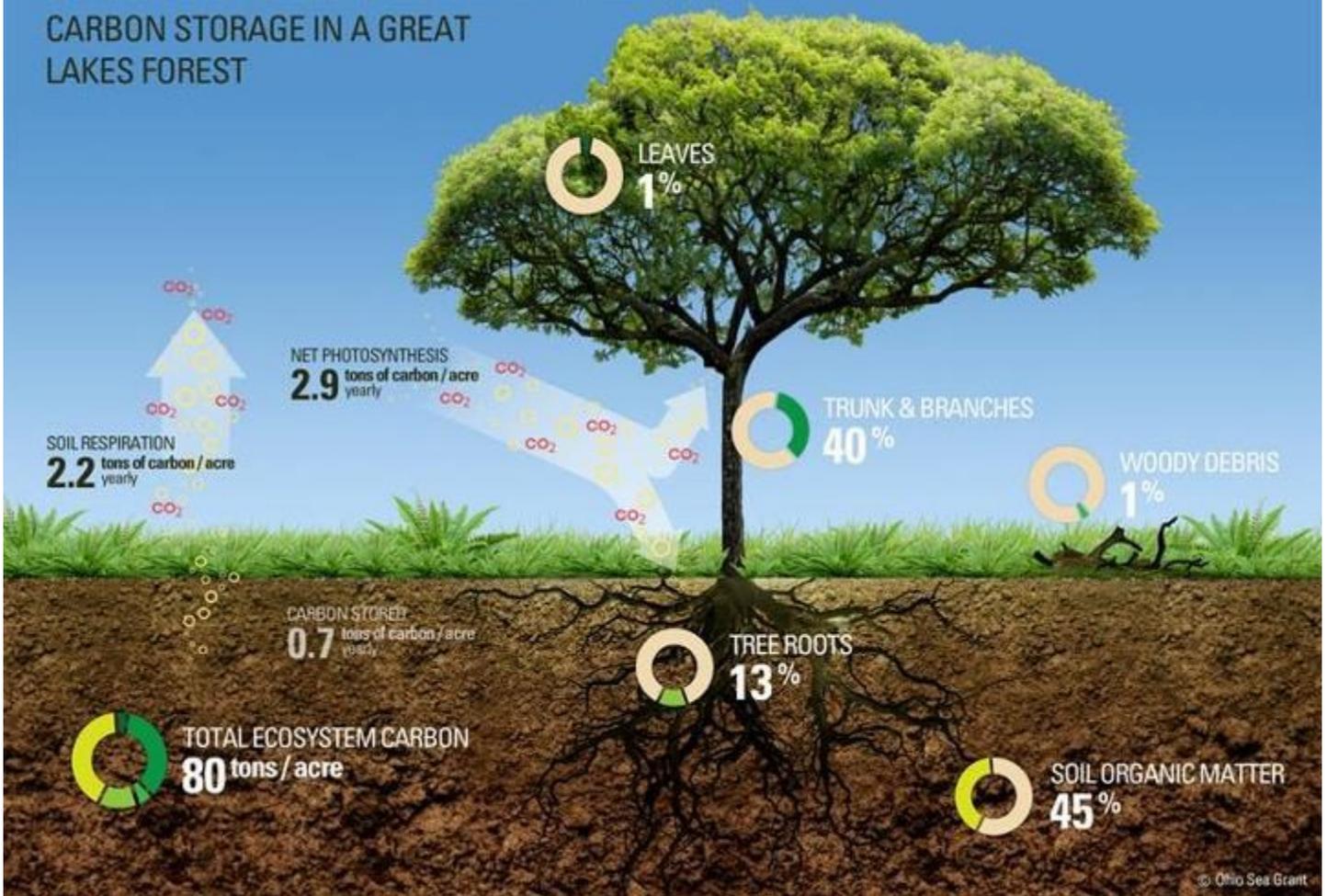
*Picture is from Google Images
www.dailymail.co*



Even the experts get it wrong sometimes

WHERE DOES CARBON GO?

CARBON STORAGE IN A GREAT LAKES FOREST





CCFU
2016



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Pour la Ville de Laval

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Pour Arbres Canada

Coordonnatrice :
Adrina C. Bardekjian

abardekjian@treecanada.ca

Canadian Urban Forest Conference (CUFC)

The Canadian Urban Forest Conference brings together leading experts from across the country and allows for dialogue between professionals and community groups on innovative strategies, policies, technologies, research, and best management practices.

Alternating coast to coast every two years, the

CUFC brings together dedicated individuals and groups to share their experiences and novel approaches to the stewardship of Canada's urban forests.

The CUFC is coordinated by the host city with guidance and support from [Tree Canada](#).

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Jesse Antonation at the ITCC

Congratulations to our Prairie Chapter 2016 ITCC Competitors.



Pictures this page from Trilogy Tree FB Page

See how all the competitors ranked by viewing the final results.

[2016 Men's Final Results](#) [2016 Women's Final Results](#)

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Alberta - 2016 Spring Schedule

Tree Insect & Disease Management
Red Deer - March 21 - 23

Chainsaw Safety & Cutting Techniques: Edmonton - May 10,
Calgary - Mar. 29 and May 12

Tree Pruning
Edmonton - May 9, Calgary - May 13

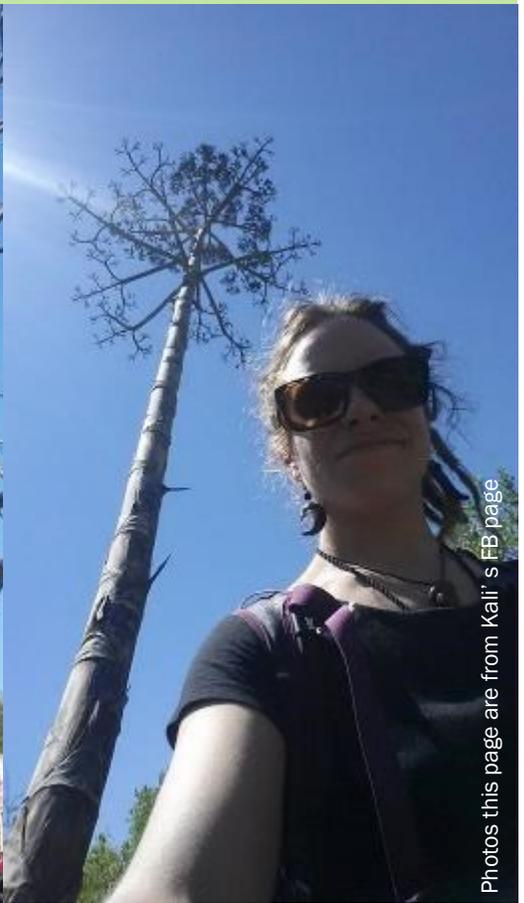
Tree Climbing, Fall Protection & Work Positioning: Calgary - May 24 & 25

Technical Tree Felling & Cutting
Calgary - May 26 & 27



Have Fun - Learn Faster - Retain More





Photos this page are from Kali's FB page



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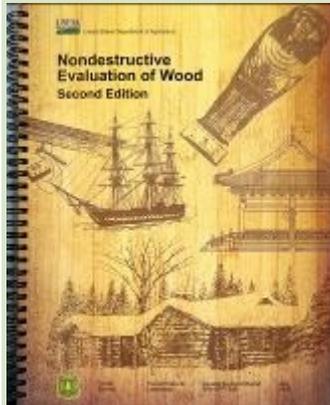
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Non-destructive Evaluation of Wood: 2nd Edition

This new book offers guidance, analysis, and practical application of non-destructive evaluation of wood testing techniques, including the use of lasers, x-rays, and ultrasound, to assess and report on the condition and integrity of wood.

These techniques, which do not damage the objects being evaluated, can be used on structures, bridges, standing trees, and even historic artifacts.

The book's 13 chapters contain information from many of the industry's foremost experts in the world, on topics such as static bending, transverse vibration, acoustic assessments, and laser methodology. It also provides information concerning more traditional evaluation techniques, such as machine grading, and advice for practical application in urban environments.

Non-destructive evaluation techniques described in the book have been employed around the world in many projects: • The use of sound waves to evaluate the quality of timber; • ultrasound technology to locate decay in urban trees; • evaluation of structural performance for construction; • inspection of historic covered bridges; • and, inspection of historic artifacts.

The book is available on-line from the USFS Forest Products Library at: http://www.fpl.fs.fed.us/products/publications/specific_pub.php?posting_id=73344&header_id=p.

Forest Pest Updates and Book Review provided by Donna Marie Foster -MAC Chapter ISA

Drones in forestry: How are tree care professionals using the latest trend in agriculture? *From Vermeer Tree Views*



Photo is from Google Images (Photo by John Zambito)

Over the past few years, unmanned aerial vehicles (UAVs), commonly referred to as drones, have grown in popularity within the agriculture industry. Farmers are using this technology to monitor the status of their crops, acquire data about the environment and protect their crops from disease and wildlife.

UAVs are gaining traction in the tree care industry as well, and arborists are determining how the technology fits into their expanding business capacities.

We read the two articles below in Tree Care Industry (TCI) Magazine and wanted to learn more, so we talked with Alex Moss from PrecisionHawk, a drone and aerial data technology company. Below is an overview of our conversation about this emerging trend.

[Drones in Tree Care: Who is Using Them, How and Why?](#)

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Fax: 403-272-1536

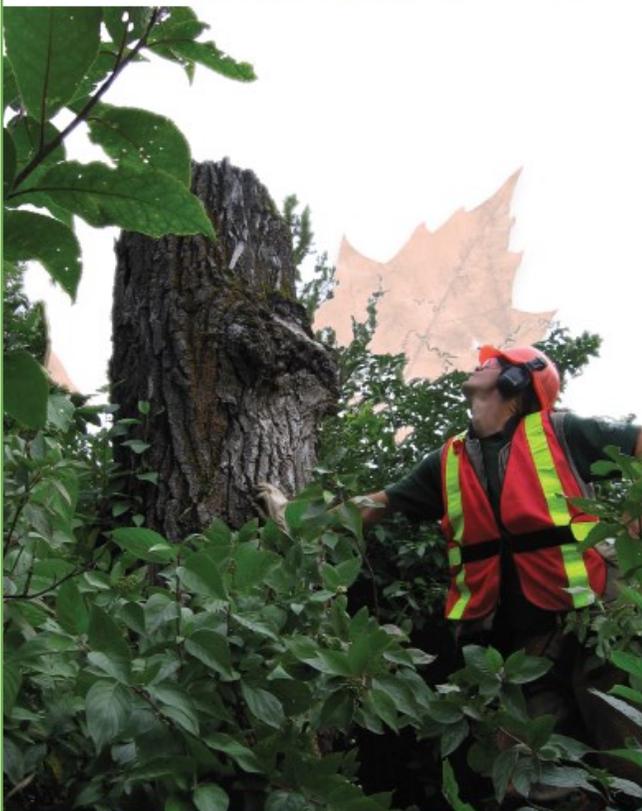
Our Utility Superintendant's Story

Andy McLellan started his career as a groundie, bringing his experience from the Canadian Armed Forces to his daily work ethic.

From there Andy flourished into our elite group of climbers and certified arborists. He began working towards his ISA Certification while working on Utility and gaining hours towards his UTT. Andy became one of our many dual certified arborists on staff.

Today, Andy runs the entire ArborCare Utility Department. With crews spread across Alberta, BC, and Saskatchewan his natural leadership abilities have allowed him to make the transition from worker, to supervisor, to utility superintendant.

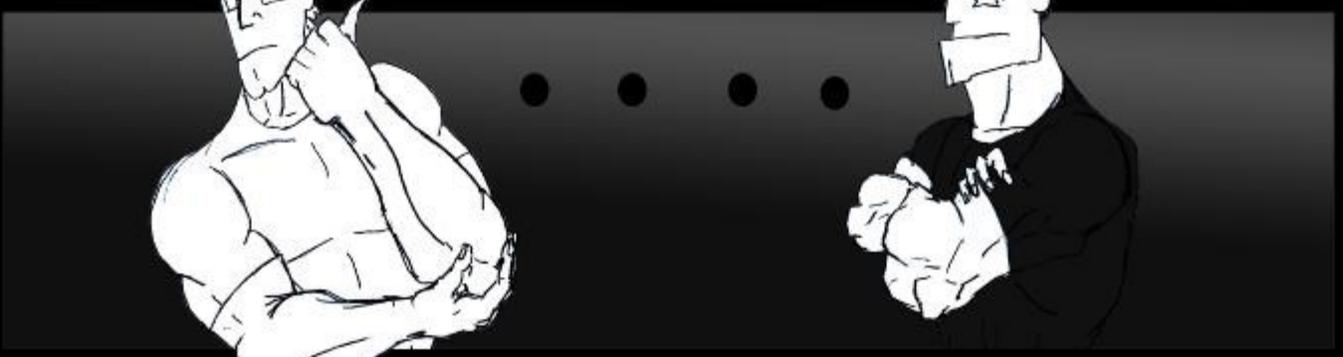
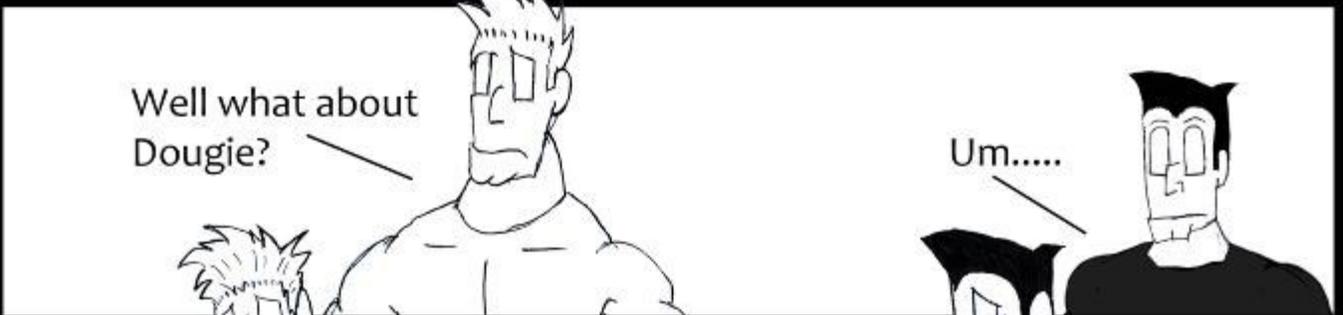
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Bus card	75	55	85	65

(10% discount for ads in all 4 newsletters)
Newsletter submission deadlines

Issue Dates:	Submission Deadline
July	June 15
October	September 15
December	November 15
March	February 15

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Submit articles, ads, letters and written requests to:

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 North Battleford, Sask. S9A 2Y9
 Phone: 1(306) 445-2679(h)
 e-mail: k.v.anderson@hotmail.com

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