



# Canadian Weed Science Society

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## Soci t  canadienne de malherbologie

Newsletter

December 2012

### Message from the President

**David Clements**

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As I reflect on my many and varied experiences at Canadian Weed Science Society meetings, my thoughts always go back to where it started for me. I had attended the ECW (Expert Committee on Weeds) meeting in Victoria in 1996, but that was not the real beginning – though I listened with interest to the discussion of “let’s go big or go home” there regarding the future of the organization. No – when it really started for me was four years later at the Banff meeting in 2000.

Even now, 12 years later, I treasure my memories from that meeting, and more than specific memories I remember a feeling that this was such a good place for me to be – as a

weed scientist connecting among my fellow Canadian weed scientists, learning and sharing the challenges and rewards of working with weeds. I usually tell people that the Banff meeting was such a great experience that I attended every meeting since, but in reviewing my history just now I realized that I did miss one – only one – Quebec City 2001. One of my most prominent

memories of that Banff meeting was of Denise Maurice, the local arrangements chair, making loud, boisterous and enthusiastic announcements. And so her passing last year was a great personal loss to me as it was to so many of you, but her spirit of enthusiasm continues to infest our society.

The question from 1996 of whether “to go big or go home” was answered with finality via the inaugural meeting of the reinvented organization in 2002 in Saskatoon (when we became the CWSS-SCM). Then ten years after the Victoria 1996 meeting where I felt like little more than a fly on the wall I found myself program chair for the Victoria 2006 meeting.

### Our appreciation to the following companies for their Support

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**Pioneer Hi-Bred**  
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Today, fresh from the latest meeting in Winnipeg last month I find myself the president of a thriving national organization still dedicated to providing the kind of warm, welcoming experience I had in Banff in 2000. In fact, we have endeavored to ensure that we really are as warm and welcoming as we like to think we are through a few small tweaks of the meeting program.

This issue of the newsletter is catching up on a number of features that have found their way to Anita's desk even before Winnipeg, so there will be little detail reported here on the Winnipeg meeting itself. Don't worry though – we plan on the usual full review of the meeting illustrated with Brent Wright's phenomenal photography in the next issue planned for the new year.

Let me just say this though – through having experienced it myself, talking to many of you and attending two post-meeting debriefing sessions – it was a great meeting in Winnipeg!!! I sincerely hope you had the kind of experience I have been talking about here – getting to know more about weed science and getting to know your fellow weed scientists in an irresistibly collegial atmosphere. I can't help feeling that my pronouncement of Winnipeg 2012 as a great meeting is heavily biased after working closely with the Local Arrangements Committee (LAC) over the past year. I am so grateful to that crew, led by Frances Boddy and Brent Wright. Nothing ever seemed to fluster Frances, and you have her to thank for the exquisite menu choices (including the lemon twist and orange splash of the coffee breaks).

I am also grateful to all of the other LAC members: Chris Willenborg & Steve Shirliffe (Plenary Session Co-chairs), Mike Hutton (CropLife Reception), Marty Gaudet (Photo Contest), Joe McNulty (Media and Local Publicity), Rob Gulden (Graduate Student Session Chair), Nasir Shaikh (Posters), Gary Martens (Continuing Education & Professional Development), Allan Froese (Local Sponsorship / Commercial Displays), Kristen Hacault (Local Sponsorship), Harold Brown (Local Sponsorship / Signage), Mike Wall (Audio Visual), Anita Drabek (Registration Desk, Publicity - CWSS-SCM + many other tasks large and small), Darren Robinson (CWSS Board - Budget / Finance), David Forster (CWSS Board - National Sponsorship), and Nathan Boyd (CWSS Board - Scholarships and Awards). As you may know, Nathan Boyd moved to Florida in the fall of 2012, and we are so grateful to Chris Willenborg for taking Nathan's place for the last few months prior to the meeting. Rob Gulden had been on sabbatical for much of the previous year, but then found his plate overflowing when 25 graduate students signed up to present at the meeting – a new CWSS record – thanks for doing a great job, Rob! Lastly, I have to thank past-president Bill Summers, who has a way of getting all of us to stretch a bit further towards our goals. I'll never forget the e-mail he sent asking "why don't we try to make the meeting in Winnipeg the best ever."

I also thank all of you who attended and participated so avidly. I extend my thanks as well to many of you who tried your best to make it to Winnipeg despite employer travel restrictions – hopefully you'll be able to make the next meeting! Indeed, planning is already underway for the joint CWSS/WSSA (Weed Science Society of America) meeting in Vancouver, February 2014. Victoria Brookes, chair of the Vancouver LAC has already held one meeting to get the ball rolling. It will be an unusually long break be-

tween meetings and the board is planning to get together for a strategic planning session sometime in between – probably in November. We are near the end of our present 5-year strategic plan as a society, so it is time to put together a new one. As always, we want to be open to the needs of all of you as members as well as open to serving other weed science professionals who have yet to discover the value of connecting with the expertise within CWSS. So send us your ideas, your dreams, and your enthusiasm and may the spirit of Denise Maurice and many other great Canadian weed scientists continue on!

And may you all enjoy a blessed Christmas holiday, and some well-deserved rest from your labours in weed science. Hoe, hoe, hoe!

-David Clements

## CWSS-SCM 2011 Photo Contest Winners

In this newsletter we feature the third place photos for the 2011 Photo Contest sponsored by E.I. DuPont Canada. In the next newsletters we will feature the 2012 winners.

Third Place Photo for General Agriculture and Forestry – Stripes  
by Brent Wright



Third Place Photo for Weeds in Action – Goldenrod pollination  
by Stephen Darbyshire



Third Place Photo for Weeds – Comfrey  
by Stephen Darbyshire



## Congratulations to the our Retirees

### Gary Turnbull

Following more than 30 years of service, Gary Turnbull, Senior Research Scientist within Crop Protection R&D Winnipeg, Manitoba, Canada, retired from Dow AgroSciences effective July 31st. Gary is currently responsible for leading the Canadian Seed Treatment R&D projects as well as all biology projects in Manitoba for characterization, development and technical support of crop protection products.

Gary joined the Elanco Company in 1981 after receiving advanced degrees from University of Guelph (MSc Weed Science) and a BSc degree in Plant Science from University of Manitoba. Gary held many significant technical leadership roles during his tenure including: Plant Science Rep positions in S. Ontario, Quebec, Maritimes, Manitoba, and Saskatchewan. He also served as Product Development Manager for Western Canada for several years. Post merger, he served as Research Scientist in Manitoba.

Among many contributions, key scientific and technical highlights of his career were introduction of Edge granular herbicide, serving as Product Development Manager for rapid adoption of Prevail, PB-50, Attain and Prestige, a sabbatical to Waireka, New Zealand to allow development of fungicide screening capability/capacity for W. Canada, providing technical support for pyroxsulam, and his current role of leading canola seed treatment research in the prairies.

Please help me thank and congratulate Gary for all his hard work, dedication, and many contributions over his fantastic career.

Chris Voglewede  
R&D Leader, Canada

### Bill McGregor

Following more than 36 years of service, **Bill McGregor**, Principal R&D Scientist within Crop Protection R&D Edmonton Alberta, Canada, retired from Dow AgroSciences effective July 31st. Bill is currently responsible for leading the Canadian Cereals Zonal Biology Team for the development of new pipeline herbicides for Canada.

Bill joined the Elanco Company in 1976 after receiving advanced degrees from University of Saskatchewan (Ph. D. Soil Science) and University of Manitoba (MSc Soil Science) and a BSc degree in Chemistry from University of Manitoba. Bill held many significant technical leadership roles during his tenure including: Plant Science Rep for Alberta, Principal Biologist and Cereal Herbicides Biology Team Leader, Growth Innovation Strategy Team/Business Development Team, and CPS Tiger Team.

Among many contributions, key scientific and technical highlights of his career were development and introduction of Edge granular, florasulam, pyroxsulam, and discovery herbicides. He also served as NSERC Grant Review Panelist for Food and Agriculture scientific grants. Bill also has a special gift of working with, developing, and mentoring many students and employees that have gone on to be successful within Dow AgroSciences and in the agricultural industry.

Please help me thank and congratulate Bill for all his hard work, dedication, and many contributions over his fantastic career.

Chris Voglewede  
R&D Leader, Canada

## Congratulations to the our 2012 Award Winners

Congratulations to our CWSS-SCM Award winners for 2012

CWSS-SCM Fellow Award — Dr. Robert Blackshaw

CWSS-SCM Fellow Award — Dr. Peter Sikkema

Excellence in Weed Science Award provided by Dow AgroSciences Inc. — Dr. Nader Soltani

1st Place Award for Ph.D. student provided by Monsanto — Caroline Halde

2nd Place Award for Ph.D. student provided by Dow AgroSciences Inc. — Scott White

3rd Place Award for Ph.D. student provided by Arysta LifeScience — Kimberly Walsh

1st Place Award for M.Sc. student provided by Monsanto — Breanne Laturus

2nd Place Award M.Sc. student provided by Syngenta — Teketel Haile

3rd Place Award M.Sc. student provided by CWSS — Lena Syrov

Details on all these awards will be found in the next newsletter.

## Remember to Fill in CWSS-SCM 2012 Annual Meeting Exit Survey

The Board of Directors and Local Arrangements Committee request and need your feedback on the 2012 CWSS-SCM meeting in Winnipeg. We have designed a brief survey that allows you to express your opinions on the meeting, as well as a few other issues. Please click on the following link to answer the survey (takes about 5 minutes). Please answer the survey even if you are not currently a CWSS-SCM member or didn't attend the 2012 meeting.

This survey will close at 23:00 PST on **Friday, December 14, 2012**. Your views are important to us and will help us enhance the experience offered to CWSS members. Survey results will be summarized in an upcoming CWSS-SCM newsletter.

## Aliens Among Us

The Royal BC Museum's first iPhone/iPad app, *Aliens Among Us*, launched in December and is available as a free download from the iTunes store. There are more than 4,000 alien species in British Columbia and detailed information – images, sound recordings, descriptions – for 47 of these is now available via the app or website. To explore the website and participate in the project go to: <http://alienspecies.royalbcmuseum.bc.ca/>. Or download the free *Aliens Among Us* app to an iPhone or iPad at the iTunes store: <http://itunes.apple.com/om/app/aliens-among-us-royal-british/id479083111?mt=8>

- Submitted by Stephen Darbyshire

## OAC Weeds Team sweeps undergraduate competition at the Northeastern Weed Science Competition 2012!



Back Row (left to right): Darren Robinson, Jenna MacDougall, Kevin Robson, Michael Russell, Adam Parker, Michael Vanhie, Chris Budd, Joshua Burrows, Dennis Cooper, Ryan Kennes  
Third row (left to right): Taylor Jeffery, Duncan Ferguson, Laura Ford, Holly Byker, Clarence Swanton, Ken Mackenzie  
Second row (left to right): Lydia Harrison, Joanna Follings, Allison Friesen, Emily den Haan, Annemarie Van Wely, Jessica Gal  
Front Row: Andrew Reid, Matt Groen

On Tuesday, July 24<sup>th</sup>, 2012, the University of Guelph- OAC Weeds' Team participated in the Northeast Weed Science Collegiate Contest hosted by Rutgers University located in the state of New Jersey. Three graduate and three undergraduate teams from OAC competed in the competition. The purpose of this contest is to provide students with an educational experience that tests their applied agronomic skills in the disciplines of crop protection and agronomy. A total of 63 students participated, representing 8 different schools. The OAC Weeds team was the only Canadian team. The universities represented were Pennsylvania State, Ohio State, Virginia Tech, North Carolina State, and the Univer-

## **OAC Weeds Team** continued

sities of Tennessee, Cornell, Kentucky and Guelph.

This year the three University of Guelph undergraduate teams swept the awards, placing first, second and third. The first place team consisted of Adam Parker, Ryan Kennes, Dennis Cooper and Jenna MacDougall. Members of the team that placed second overall were, Chris Budd, Michael Russel and Duncan Ferguson. The third place team members were Lydia Harrison, Annemarie Van Wely, Emily den Haan and Joshua Burrows.

Individual undergraduate performance awards were given to Adam Parker, Ryan Kennes and Michael Russell who placed first, second and third respectively, in overall undergraduate performance. The remaining students from the undergraduate and graduate teams competed well and placed competitively within their categories.

Guelph undergraduate and graduate teams have participated in the Northeastern Weed Science Society's Collegiate Weed Science Contest since 1983. They have placed first in this regional competition 19 times. The OAC Weed Team was coached by Clarence Swanton and Darren Robinson. Special thanks to Kevin Chandler, Mike Cowbrough, Andrew Reid, Eric Lyons, Francois Tardif, and Robert Moloney for their contributions to the success of the 2012 OAC Weeds Team. The financial support of E.I. DuPont, Sharpe Farm Supplies, Nufarm Agriculture Inc., Bayer CropScience, Monsanto Canada, FMC Corporation, Syngenta Crop Protection, Dow AgroSciences, BASF, Valent Canada and the Ontario Weed Committee is gratefully acknowledged.

## **The next CWSS-SCM Annual Meeting will be in conjunction with the Weed Science Society of America February 3-6, 2014**



No matter what the weather, CWSS-SCM members enjoy the annual meeting. Photo from the 2006 Victoria meeting taken by Brent Wright

Our next annual meeting will be held in conjunction with the Weed Science Society of America Annual Meeting. It will be held in February of 2014 at The Hyatt in Vancouver, British Columbia.

CWSS-SCM will hold some of its own sessions as well as participate in the overall WSSA and CWSS-SCM joint meeting. The plans are that we will hold the following separate sessions: Graduate Student presentations session, Awards Banquet, Poster contest, and Industry Reception. The Local Arrangements Team headed by Victoria Brookes will keep us posted.

## Record Number of Graduate Student Presentations at 2012 Annual Meeting

1. Sunil Sikoriya—Red Fescue (*Festuca rubra*) Management in Wild Blueberry
2. Breanne Latarnus—Pyroxasulfone application timing and efficacy on cleavers (*Galium aparine*) and wild oats (*Avena fatua*)
3. Valerie Roy-Fortin—Resistance Weed Management in Carrot Production
4. Goutam Kuwar—Weed management options for organic wild blueberry production
5. Teketel A. Haile—Can harvest methods affect seed loss in canola?
6. Joanna Follings—Control and Distribution of Glyphosate Resistant Giant Ragweed in Ontario
7. Cory E. Jacob—Evaluating the competitive ability of semi-leafless field pea (*Pisum sativum* L.) cultivars and identifying competitive traits
8. Colleen N. Redlick—Does lentil seeding rate influence response of wild mustard to fluthiacet-methyl?
9. Caroline Halde—No-till field crop production without herbicide
10. Todd Larsen—Japanese knotweed (*Fallopia japonica*) management: Aminopyralid vs imazapyr applications at various phenological stages
11. Ryan H. Low—Pre-seeding and Post-harvest control of *Kochia scoparia* for Management of Glyphosate Resistance
12. Holly P. Byker—Glyphosate Resistant Canada Fleabane (*Conyza canadensis*) in Ontario: Distribution and Control in Soybean (*Glycine max* L.)
13. Taylor M. Jeffery—Investigation into the Molecular and Biochemical Mechanisms of Resistance to Glyphosate in Two Populations of Giant Ragweed (*Ambrosia trifida*)
14. Andrew McKenzie-Gopsill—When Does a Soybean Seedling Meet its Neighbour?
15. Hema S. Duddu—Evaluation of the domestication status of cow cockle (*Vaccaria hispanica* (Mill.) Rauschert) genotypes
16. Zhenyi Li—Hexazinone Alternatives and Resistance in Wild Blueberry Production
17. Jichul Bae—Germination behaviors of common ragweed (*Ambrosia artemisiifolia* L.) and other roadside ground cover species subjected to a range of heavy metal levels
18. Brendan Alexander—Quantifying the relative invasive potential of PNT using demographic analysis
19. Sid Darras—Effects of Field Pea (*Pisum sativum* L.) Genotypic Mixtures on Yield and Competitive Ability
20. Gareth Davis—Resistance to linuron in Ontario Carrot fields
21. Eric Tozzi—Germination of a variety international populations of *Conyza canadensis*
22. Angelena D. Syrový—Cultivar Mixtures and the Role of Leaf Type in Weed Management for Organic Field Pea
23. Kimberly Walsh—Transient Seed Bank of *Camelina sativa* (L.) Crantz. Contributes to a Low Weedy Propensity in Western Canadian Cropping Systems
24. Eileen F. Beaton—Wild Chervil (*Anthriscus sylvestris* (L.) Hoffm.) Management on Nova Scotia Dykes
25. Andrew Reid—Early Season Weed Control Shortens ASI and Prevents Kernel Loss in a Drought Tolerant Maize Hybrid

Another student presentation was held in another session: Scott N. White—Demography of red sorrel (*Rumex acetosella* L.) ramets in lowbush blueberry (*Vaccinium angustifolium* Ait.) fields in Nova Scotia.



## Our condolences

### Clifford W. Crompton



Cliff Crompton died suddenly on Thursday, Oct. 25, 2012, in Quebec City. He was on his way home to Cape Breton after visiting family and friends in Ottawa. He survived by his wife, Alina Stahevitch; daughters, Karen (Bob) Rainboth and Valerie (John) MacKinnon; stepdaughter, Lara Russell and grandchildren, Owen, Emma, Madison and Paige.

Cliff Crompton was born in Antigonish, Nova Scotia, in 1941. He started working for Agriculture and Agri-Food Canada at an early age as a research technician, later running his own research program. His work on weeds and plant taxonomy will be well known to many as he was an active participant in the Expert Committee on Weeds. His work with I.J. Bassett led to many papers and reports on aspects pollen including the two AAFC books: "An atlas of airborne pollen grains and common spores of Canada" and "Pollen grains of Canadian honey plants". The former has been an important reference for assessing aerial allergen loads and the later important for assessing the purity and nature of Canadian honey commodities (he and his book proved to be vital resources when European countries were looking at restricting Canadian honey imports due to pollen contamination). After retirement he set up a consulting company with others which, through a national system of monitoring stations, provided data on Canadian allergen loads for The Weather Channel and other parties. He was also involved in other types of environmental consulting in Nova Scotia.

As well as his palynology work, Cliff was an accomplished cytogeneticist and plant anatomist. He had broad interests and was always ready to seize interesting research opportunities. Outside the lab he was equally active in the community as church organist, choir master/member, and various social organizations.

Many long-time CWSS members will recall his enthusiastic participation in conversations while polishing the bar with his elbows. If experienced, his terrible jokes and hardy laugh are not to be forgotten.

-submitted by Stephen Darbyshire

## 2009 Topics in Weed Science is Printed

The 2009 Topics in Weed Science was printed just the week before this 2012 Annual Meeting in Winnipeg. For those of you who attended the 2009 meeting but were unable to attend this year's meeting, your copy will be sent by mail. The Table of Contents is here below:

- Introduction by Jerry A. Ivany and Robert E. Blackshaw
- Climate change and the impact on the future of agriculture by David Gustafson
- Climate change in Atlantic Canada: an agricultural perspective by Gary Lines
- Range expansion of kochia (*Kochia scoparia*) in North America under a changing climate by Hugh J. Beckie, Ross M. Weiss, Julia Y. Leeson, and Owen O. Olfert
- Bio-climatic approach to assessing the potential impact of climate change on representative crop pests in North America by Owen Olfert, Ross Weiss, Kelly Turkington, Hugh Beckie and Darren Kriticos
- Influence of climate on weed species distribution in the Canadian Prairies Julia Y. Leeson and Hugh J. Beckie



### Upcoming Meetings

December 10-13, 2012	North Central Weed Science Society Annual Meeting in St. Louis, Missouri <a href="http://www.ncwss.org">www.ncwss.org</a>
February 4-7, 2013	Weed Science Society of America Annual Meeting with Northeastern Weed Science Society, Baltimore, Maryland; Website: <a href="http://www.newss.org/annualmeeting.php">http://www.newss.org/annualmeeting.php</a> and <a href="http://www.wssa.net/Meetings/WSSAAnnual/Info.htm">http://www.wssa.net/Meetings/WSSAAnnual/Info.htm</a>
February 18-22, 2013	International conference on herbicide resistance in crops and weeds, Perth, Australia, WSSA Website: <a href="http://www.iwss.info/coming_events.asp">http://www.iwss.info/coming_events.asp</a>
April 2-4, 2013	The 3rd Conference on Invasion Biology, Ecology, and Management Lexington, Kentucky Website: <a href="http://www2.ca.uky.edu/environment/enviro_event_2013">http://www2.ca.uky.edu/environment/enviro_event_2013</a>
November 3-6, 2013	Annual Meeting and Conference—Joint Meeting with American Society of Agronomy (ASA), Crop Science Society of America (CSSA), Soil Science Society of America (SSSA) - Tampa, Florida
December 9-12, 2013	North Central Weed Science Society—Columbus, Ohio Website: <a href="http://www.ncwss.org/">http://www.ncwss.org/</a>
February 3-6, 2014	Weed Science Society of America Annual Meeting with CWSS-SCM, Vancouver, British Columbia
November 2014	CWSS-SCM Annual Meeting in Quebec

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### Articles for Newsletter

Articles, photos, letters and news items for the newsletters can be emailed to [assistant@cwss-scm.ca](mailto:assistant@cwss-scm.ca) at any time.

### 2011/2012 CWSS-SCM Board of Directors

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