



Canadian Weed Science Society

Société canadienne de malherbologie

Newsletter

Spring 2014

Message from the President

Hugh Beckie

Inside this issue:
Check page 2 for
information



I took this 'selfie' photo last fall while surveying for glyphosate-resistant kochia (but note the wild oats in the background!). I am never happier than when surveying for herbicide-resistant weeds – it's like a treasure hunt, never knowing what is around the bend or over the next hill. That is when you really see weeds in action!

I am humbled and honored to take over from David Clements as President of our great Society. Succeeding David means filling some big shoes. On behalf of the Society, I thank David for his dedication and enthusiasm in steering the ship through sometimes choppy waters. I also thank those members who have rotated off the Board of Directors – Past President Bill Summers, Treasurer Darren Robinson (but who has graciously agreed to help with the transition of our new Treas-

urer, Frances Boddy), CropLife Canada Rep (West) David Forster, and Secretary Jeff Bertholet. However, Jeff will stay on as 2nd Vice-President. I also warmly welcome Jeff's replacement, Don Hare, and David's replacement, Joe McNulty. Additionally, I welcome Katherine Stanley as Graduate Student Rep, replacing Scott White, who made tremendous contributions to the Board. Thank you all for your service and commitment to our Society. Because of our joint meeting with WSSA in Vancouver, I will have the distinction of being the shortest term President of our Society – 9 months! So I had better get busy!

First of all, I would like to reflect on our joint meeting with WSSA in Vancouver. As program co-Chair with Joe DiTomaso, I had the privilege of making the following opening remarks at the general session:

"On behalf of the President of the Canadian Weed Science Society, David Clements, I welcome you all to this historic joint meeting of our two national societies in beautiful Vancouver. De la part du président de la Société Canadienne de Malherbologie, David Clements, je vous souhaite la bienvenue à cette réunion conjointe historique de nos deux sociétés nationales, dans la belle ville de Vancouver. I hope you

Our appreciation to the following companies for their support:

BASF Canada
Bayer CropScience
Dow AgroSciences
Canada Inc.
DuPont Canada
Monsanto Canada
Syngenta Canada
Inc.
FMC
Nufarm
NovaSource
(Tessenderlo
Group)
AgQuest
Arysta LifeScience
Valent

Inside this issue:

President's Message	1-2
Payment of 2013 CWSS-SCM Membership Available	3
CWSS-SCM 2013/14 Photo Contest	3
Her Honour Lieutenant Governor Judith Guichon of British Columbia	4-7
Fellow Award - Neil Harker	8
Excellence In Weed Science Award - Darren Robinson	8-9
Excellence in Weed Extension Award Winner — Ken Sapsford	9
Graduate Student Award Winners	10
Poster and Photo Awards	11
Graduate Student Presentations	12-14
Photos - 2014 Meeting Vancouver	15
Graduate Student Presentation Awards	16
Thanks to the 2014 Vancouver LAC	16
Congratulations to WSSA Award Winners—Peter Sikkema and Neil Harker	17
CWSS-SCM Bylaws Changes Approved	17
Terrestrial Invasive Plant Species II	18
2014 November CWSS-SCM Meeting in Montréal, Québec	19
CALL FOR SYMPOSIA 2015 WSSA	20
WEEDS ACROSS BORDERS	20
CWSS-SCM Facebook and Twitter	20
2014 CWSS-SCM Board of Directors	21
Upcoming Meetings	22
2014 CWSS-SCM Board of Directors	22

President's Message continued

find the program interesting and diverse, and the meeting beneficial and rewarding. J'espère que vous trouverez la programmation intéressante et diversifiée et que le congrès vous sera bénéfique et gratifiant. Thank you for making the effort to attend the meeting. The annual meeting is the key focal point of both our societies. Merci d'avoir fait l'effort d'assister à ce congrès. Le congrès annuel est le point de mire clé de chacune de nos sociétés. With your continued attendance and participation, especially from our key resource, you the graduate students, I know that both our societies will continue to be sustained into the future. Grâce à votre présence et à votre participation, particulièrement celles de vous les étudiants gradués, je sais que nos deux sociétés vont perdurer dans le futur. I have enjoyed working closely with Joe DiTomaso, Joyce Lancaster, Anita Drabek, Victoria Brookes, and all the rest of the Local Arrangements Committee in organizing the conference. I thank them for their dedication and friendship, and I thank you all for your commitment to our societies. J'ai apprécié travailler de près avec Joe DiTomaso, Joyce Lancaster, Anita Drabek, Victoria Brookes, et tous les autres membres du Comité Local d'Organisation de la conférence. Je les remercie pour leur dévouement et leur amitié et je vous remercie tous pour votre engagement envers nos sociétés respectives."

I made a pointed effort to emphasize "our two national societies" vs. regional society like the NCWSS, and addressing delegates in both our official languages (I thank Marie-Josée Simard for the translation and my wife Simone for endless practicing). About 500 people attended the meeting, with almost 150 of those from CWSS-SCM. The feedback from both Canadians and Americans

was overwhelmingly positive. However, one common complaint (that I sympathized with) was the agonizing choice of what presentation to attend, given all the concurrent sessions! Despite that, the CWSS-SCM Graduate Student session was generally well attended, even by a number of WSSA (only) members. Another ironic comment from some of our American friends from southern states was that they had to come to Vancouver to escape the winter!

Now our Society looks forward to our next annual meeting later this year – November 17-20 at the Fairmont, The Queen Elizabeth in Montreal. I know Diane Benoit and all the rest of the Local Arrangements Committee are busy putting together an exciting and informative meeting. Diane is certainly a veteran of organizing these annual meetings – this will be her fourth! We really appreciate her dedication, and look forward to gathering together once again in that vibrant metropolis.

Between now and then, the Board of Directors will be busy implementing the new 5-year strategic plan. At the annual business meeting in Vancouver, we approved the budget with a new line item for enhancing public awareness and outreach, an initiative that is being spearheaded by the newly formed Communications Committee in conjunction with the Membership Committee. So stay tuned. We need to continually work at sustaining our Society and ensure our Society remains relevant and at the forefront of weed science in Canada. To that end, I look forward to working with Anita and the rest of the Board of Directors over the next 9 months. The Vancouver meeting exit survey that many of you recently completed will help ensure we stay on course.

-Hugh Beckie

Payment of 2014 CWSS-SCM Membership Available Online

If you have not paid your membership dues for 2014, you can now do so online. For our Montreal meeting, your fees for the following year (2015) will be included in the meeting fees. For this year (2014) our fees are paid separately. Here is the online link: <http://www.regonline.ca/canadianweedsciencemembership>

Regular: (Educators, extension agents, government employees, growers, commercialization agents, regulators, researchers) - \$100

Student in a Canadian University with signature of supervisor: - \$0

Student in an International University: - \$50

Retired: (Any person who has been a member of CWSS-SCM and has retired) - \$0

CWSS-SCM 2014 Montreal Photo Contest

The photo categories for 2014 (for the Montreal meeting—2014 November) will be

Category 1: Agriculture and Forestry: individual botanical subject is not the prime theme of the image. For example: production (seeding, spraying, cutting...) or general views (landscape)

Category 2: Weeds: Pictures of plants (patches, whole individual or parts) considered as weeds. Images should demonstrate morphological characteristics and/or weed invasion/competition. For example, dandelion seeds transported by wind, vetch on evergreen, soybean field with common ragweed...

Category 3: Research in action: Pictures of research activity whether it be in the lab, or in the field. For example, canola breeding greenhouse, plot seeding, hand spraying...

DEADLINE—September 30, 2014: Send photos to assistant@cwss-scm.ca or upload them to the meeting registration site. (The latter will be ready when fees and program are finalized.) See contest rules and entry information at [CWSS-SCM Members Photo Contest 2014 Montreal](#)

**2014 November CWSS-SCM Annual Meeting
Fairmont—The Queen Elizabeth, Montréal, Québec
November 17 - 20, 2014**

Her Honour Lieutenant Governor Judith Guichon of British Columbia Provides the Welcome Address to February 2014 Joint Meeting of the WSSA and the CWSS-SCM



Her Honour Lieutenant Governor Judith Guichon of British Columbia with Dr. David Clements and Dr. Sam Chan, (to the right of Her Honour) and HADC, Major Tyrone Green
(photo taken with Dr. Sam. Chan's camera)

The LAC for Vancouver for WSSA and CWSS-SCM had the pleasure and the tasks to arrange for the visit of Her Honour Lieutenant Governor Judith Guichon of British Columbia. Our CWSS-SCM LAC Chair, Victoria Brookes met Her Honour and escorted her through the venue. After final instructions as seen in the photo on the right, Her Honour entered the venue with

Dr. David Clements, President, CWSS-SCM; Dr. Hugh Beckie, President Elect, CWSS/SCM; Dr. Jim Kells, President, Weed Science Society of America; Dr. Joe DiTomaso, President Elect-WSSA; Dr. Samuel Chan, Keynote Speaker from Oregon State University; Dr. Dwight Lingenfelter, Chair, Awards Committee, WSSA; Dr. Jodie Holt, Chair, Fellows and Honourary Member Subcommittee, WSSA; and Dr. Chris Willenborg, Chair, Awards Committee, CWSS-SCM. Eric Johnson, the Second Vice-President of CWSS-SCM, asked all guests to rise for the entrance of the Lieutenant Governor and the official party as they were piped into the Awards Program. Her Honour Lieutenant Governor Judith Guichon's speech was interesting and relevant to our societies as a rancher, weeds have been and are part of her background. Her speech is reproduced on the next few pages.





Remarks by the Honourable Judith Guichon, OBC
Lieutenant Governor of British Columbia

**Canadian Weed Science Society and Weed Science Society of America
Joint Meeting and Conference
February 3, 2014**

CHECK AGAINST DELIVERY

Dr. Clements, Dr. Beckie, Dr. Kells, Dr. DiTomaso, Dr. Chan, Dr. Lingenfelter, Dr. Holt, Dr. Willenborg, distinguished researchers, presenters and conference attendees, thank you for this invitation to join you for the opening of the **first** Joint Meeting of the Weed Science Society of America and the Canadian Weed Science Society. In reading the history of the Canadian Weed Science Society, a.k.a. “the Expert Committee on Weeds”, first conceived by a farsighted group in 1929 and finally officially proclaimed in June 2002, I became quite lost in that prolonged and difficult gestation period. To describe the evolution of the society as somewhat convoluted, at times hesitant and tentative, would be I believe more than fair. Still today, I think there is confusion, lack of integration and room for improved communication out there in the world of weeds. That is why it is so encouraging to see this year’s joint meeting and conference of your two organizations.

Before I continue, let me give you a very brief description (especially for the benefit of our visitors) of my role as Lieutenant Governor in our Canadian democratic monarchy. Every province and territory in Canada has an appointed representative of Her Majesty Queen Elizabeth II, thereby separating our head of government and the head of state. The federal representative is His Excellency Governor General David Johnston. This five year appointment, although largely ceremonial in nature, has legislative functions. We prorogue and summon the legislative assembly, read the Speech from the Throne and give Royal Assent to all legislation. I tell students when I visit schools that our role is to keep civil society civil.

Now a bit about my background: I do have some practical experience in weed management. Before I became The Queen’s representative in British Columbia, as you have heard I ranched for 40 years. Our family has operated in the dry interior of British Columbia since the 1870s. My late husband’s grandfather ranted about the advent of knapweed in the 1940s and my late husband had been known to screech to a stop in the middle of the highway when travelling at 80 km/h because he spotted a knapweed plant on a hillside.

We operate on roughly 15,000 acres of deeded land and under licence on roughly 60,000 of Crown range. I have two major highways, one pipeline and four power lines as vectors for new invasives into our grasslands. After the death of my husband in 1999, I married the invasive weed contractor who has battled weeds in our valley since the late 1980s. **I am** committed to controlling weeds.

So how can we improve our battle against invasive species? I have three topics I would like to address:

1: Information Overload

In preparing for a presentation at a recent convocation at one of our Vancouver Island Universities I got lost in the internet as I so often do. My sense of direction is non-existent. I happened across a presentation by a business expert from the McKinsey & Co. talking about five mega trends in the coming decades. One that really caught my eye was his statement that in the future we would need **miners** to mine the data. With access to an increasing volume of global, constantly updated information, we will need technical experts to explore, categorize and filter this barrage of material for us. I understand this completely, having spent countless hours on the internet trying to sort out all the various invasive species organizations that abound in our environment today.

2: Jurisdictional

There are so many bodies and different levels of organizations involved in invasives today that for the on the ground person looking for information it can be quite overwhelming. I have had involvement in local weed management groups, provincial invasive species council, the federal integrated pest management association and then of course the different ministerial bodies who oversee provincial or federal jurisdictions. Often a person is inundated with material and hard pressed to consume and digest all the latest publications and then to know who has authority on which piece of ground. This is very true when trying to absorb or even access the latest research. Just in plowing through the 116 page program for this convention I was lost in the hotel layout, never mind the topics for discussion. More importantly, how do either my husband who is a practical applicator or I, as a land steward, find out the results of all the work being done by the many, many very distinguished researchers involved in this gathering? How on earth do we connect between the higher realms of academia and the down and dirty, those of us on the ground. Neither I nor my husband or any of our contemporaries had heard of this society. I did see one familiar name on the list I hope I can catch up with Dave Ralph.

The question remains, how do we assure that the latest and best information works its way from the upper levels of academia to the practical applicators? And that the feedback loop is completed so that you folks in turn will be aware of the experience with your results when applied out in the imperfect world on the farm or ranch? My husband, as the manager of field, range and many disturbed environments such as mine, is the one that should be here today rather than me.

3: Mindset

What is a weed? A plant out of place! Years ago a fellow Holistic Management Operator from Alberta told the story about a problem weed around the Taber area, I believe it was Kocia at the time. He couldn't stand it anymore and one Sunday he hitched up some tool and started farming. When he berated his son for sitting in an easy chair sipping on a straw while he battled **the weed** his son replied, "Dad, where you saw the weeds, I saw the grass emerging under the shade of those early colonizers!"

I have witnessed in my own valley the very steady progress of native species in degraded areas. We all know that nature hates a void, but our time span for monitoring is so short. My father-in-law loved crested wheat grass as did many of his generation. It certainly has been preferable to knapweed, but now I see it as a very tough competitor for natives to make headway against. So, is it a good guy or a bad guy? Does it promote or retard biodiversity? We have one area on the ranch where it was seeded probably in the early 1960s and it is only in the last two years that I begin to see some inroads into those very obvious furrows left by that old range seeder. One

thing I can say for sure, whether we are ranchers, farmers or researchers, the old adage of “if you continue to do the same thing over and over and expect a different outcome,” ...well we all know where that leads.

We must be open minded and creative. Just two years ago I witnessed biological weed control in park inside the city of Kamloops. It was a real eye opener to see the Alberta goats released from their pens, head out through the grass and target the weeds! Just one more tool: As the history of the Canadian Weed Science Society suggests (on page 15) a few sheep should be kept on every farm. How many folks today know that when you find vestiges of agronomic species on some of our ranges in B.C. it is because the old sheep herders would sprinkle various seeds in the fleeces of their flocks before they went to range to that as they grazed, they also did some seeding? How creative was that?

So I urge all of us to be creative, be positive and focus on what you want to see out there, not on the weeds. Certainly for young producers I know they will have a much pleasanter journey. I know that at home, where we have focussed on the grass and biodiversity, we notice the positive progress and record our successes, not our failures. It works.

Thank you for your tireless efforts to curb invasives. As the appetite for food expands in this century it will become ever more critical. Thank you for what you do.



**Her Honour Lieutenant Governor Judith Guichon of British Columbia
with HADC, Major Tyrone Green**

2014 CWSS-SCM Vancouver Fellow Award Winner — K. Neil Harker

Chris Willenborg, chair of the Awards and Scholarships Committee presents the CWSS-SCM Fellow Award to Neil Harker during the WSSA /CWSS-SCM Awards Presentations on Monday afternoon on February 3 in Vancouver.

Neil Harker was born and raised in Magrath, Alberta. He is married to Patricia Harker and they are parents of seven children. He received B.Sc., M.S. and Ph.D. degrees at the University of Alberta, the University of Minnesota, and the University of Guelph. He has been employed as a Weed Scientist with Agriculture and Agri-Food Canada located at Lacombe since 1985. His research interests include direct-seeded (no-till) cropping systems, competitive crop stands, weed ecology, weed interactions with insects, canola production and sustainability, and canola biodiesel quality. Neil has published 165 scientific journal papers and 13 book chapters. He is Adjunct Professor at the University of Alberta in Edmonton where he co-supervises graduate students and gives guest lectures. He is a member of the Canadian Weed Science Society, the Western Society of Weed Science, a fellow of the Weed Science Society of America, served as associate editor and editor-in-chief for the scientific journal *Weed Technology*, and is currently co-editor of the electronic journal, *Prairie Soils and Crops*.



Chris Willenborg presents Neil Harker with the CWSS-SCM Fellow Award (photo above) —Photo by Phil Banks



David Clements, President of CWSS-SCM congratulates Neil Harker as the winner of the Fellow Award at the CWSS-SCM Awards Banquet —Photo by Brent Wright

2014 CWSS-SCM Vancouver Excellence In Weed Science Award Winner — Darren Robinson

Al McFadden of Dow AgroScience presents the CWSS-SCM Weed Science Award to Darren Robinson.

Darren grew up in Winnipeg, Manitoba. He received a B.Sc. (Honors) in Biology from the University of Winnipeg in 1992. He completed his M.Sc. in 1995 in Plant Biology in at the University of Manitoba, where he demonstrated labs in undergraduate botany for 2 years. From there, he moved to the Plant Agriculture Department at the University of Guelph, and in 2000, he received a PhD in Weed Science. Darren worked for a short time at the Alberta Research Council as a Research Scientist until June of 2001, where he conducted weed management research in pulse crops, cereals and canola. Darren was hired as a College Professor by Ridgetown Campus of the University of Guelph in 2001 to teach horticultural weed management, turf management, and ecology and manage the vegetable weed control research pro-



2014 CWSS-SCM Vancouver Excellence In Weed Science Award Winner — Darren Robinson (continued)

gram. He became a member of the Department of Plant Agriculture at the University of Guelph in 2004, and was promoted to Associate Professor in 2009, during which time he has developed a research program on integrated control strategies in conventional and reduced tillage system for vegetable crops. His current research focuses on improving access to available herbicides, developing strategies for improving the timeliness of herbicide application through validation of heat unit models, and integrating cover crops, tillage and chemical control for weed management in vegetable crops. To date, Darren has published 69 peer-reviewed manuscripts, authored or co-authored 3 book chapters, supervised and co-supervised 12 graduate students, presented 60 refereed papers at scientific conferences, and given 115 extension presentations and 17 short-courses. Darren served on the board of the Canadian Weed Science Society as Treasurer, is an Associate Editor for the Canadian Journal of Plant Science and Weed Technology, and has chaired the Horticulture and Specialty Crops section of the annual CWSS Meeting.
(Photo by Brent Wright)

2014 CWSS-SCM Vancouver Excellence in Weed Extension Award Winner — Ken Sapsford



Julie Schipper of Valent Canada presents Ken Sapsford with the CWSS-SCM Award for Excellence in Weed Extension (photo by Brent Wright).

Ken Sapsford is a Research Assistant in the Department of Plant Sciences at the University of Saskatchewan. He has worked with Rick Holm and Chris Willenborg, managing the research program and supplying extension to agronomist's and growers at the U of S since 2000. Ken has been a member of the Canadian Weed Science Society since 2000 and been on the conference organizing committee in 2002 for the Saskatoon meeting, 2006 for the Victoria meeting and 2010 for the Regina meeting. Prior to working at the U of S, Ken was a Conservation Agronomist with the Saskatchewan Soil Conservation Association from 1994 to 2000. Ken Sapsford was also involved in a family farm with his brother where they have been direct seeding the 3000 acre grain farm since 1990. The family farm has recently been sold and Ken & his wife, Joy have purchased a small vineyard south of Penticton. Ken received his Bachelor of Science in Agriculture Degree in 1979 from the University of Saskatchewan and in 2008 was the recipient of the "Distinguished Agrologist" Award from the Saskatchewan Institute of Agrologists.

2014 CWSS-SCM Vancouver Graduate Student Award Winners



1st Place Award for Ph.D. Student Provided by Monsanto

Trevor Herzog of Monsanto Canada Inc. presents the 1st Place Award for Ph.D. student to Dilshan Benaragama of the University of Saskatchewan (Project - Does crop-weed competition differ between Organic and Conventional cropping systems?) (photo on the left)



2nd Place Award for Ph.D. Student Provided by Syngenta

Graham Collier of Syngenta presents the 2nd Place Award to Caroline Halde of the University of Manitoba (Project - No-till field crop production without herbicide) (photo on the right)



3rd Place Award for Ph.D. Student Provided by CWSS-SCM

Chris Willenborg, Chair of the Awards Committee, CWSS-SCM, presents the 3rd Place Award for Ph.D. student to Sharavari Kulkarni of the University of Alberta [Project – The role of ground beetles (Coleoptera: Carabidae) in biological control of weeds] (photo on the left)



1st Place Award for M.Sc. Student Provided by Monsanto

Trevor Herzog of Monsanto Canada Inc. presents the 1st Place Award for M.Sc. student to Colleen Redlick of the University of Saskatchewan (Project – The development of integrated weed management strategies for lentil production) (photo on the right)



2nd Place Award M.Sc. Student Provided by Dow AgroSciences Inc.

Don Hare of Dow AgroSciences presents Breanne Tidemann of the University of Alberta (Project—Efficacy of Pyroxasulfone and Sulfentrazone on Herbicide Resistant Weeds in Western Canada) (photo on the left)



3rd Place Award M.Sc. Student Provided by CWSS-SCM

Chris Willenborg, Chair of the Awards Committee, CWSS-SCM, presents the 3rd Place Award for an M.Sc. Charles Geddes of the University of Manitoba (Project – Integrated Management of Volunteer Canola for Soybean Production) (photo on the right)

2014 CWSS-SCM Vancouver—Poster and Photo Awards



Robert Hornford of BASF Canada presents the poster awards for the meeting; Li Ma and Mahesh Upadhyaya, Marie-Josée Simard (accepted by Diane Lyse Benoit) and Bob Blackshaw.



Frances Boddy of DuPont presents the photo awards for the meeting; Stephen Darbyshire, Peter Smith, Christy Shropshire, and Caroline Halde. Peter Smith won the People's Choice Award while Stephen, Christy and Caroline were 1st place in all the categories. More on the Photo Contest in the next newsletter.

CWSS-SCM Graduate Student Presentations



Title	Student, University
Early Physiological Mechanisms of Soybean Roots and Nodules in Response to the Presence of Above Ground Weeds	Jessica Gal, University of Guelph, Guelph, Ontario
Corn and Soybean Responses to Weeds: A Common Toolbox	Andrew McKenzie-Gopsill, University of Guelph, Guelph, Ontario
Does Crop-weed Competition Differ Between Conventional and Organic Systems?	Dilshan Benaragama, University of Saskatchewan, Saskatoon, Saskatchewan
Yield Loss Model for Volunteer Canola in Narrow and Wide Row Soybean	Paul Gregoire, University of Manitoba, Winnipeg, Manitoba
Evaluating the Competitive Ability of Semi-leafless Field Pea (<i>Pisum sativum</i>) Cultivars	Cory Jacob, University of Saskatchewan, Saskatoon, Saskatchewan
Demographic and Fitness Consequences of Climate Stress on an Invasive Hybridizing Weed	Zachary Teitel, Ryerson University, Toronto, Ontario

Graduate Student Presentations

Title	Student, University
The Effect of Early Stresses on Ear Development and Mid Season Reproductive Performance in Corn	Victor Gonzalez, University of Guelph, Guelph, Ontario
Does Kin Recognition Exist in Annual Weeds?	Matthew Lawless, University of Saskatchewan, Saskatoon, Saskatchewan
Phenological Study and Management of Red Fescue (<i>Festuca rubra</i>) in Wild Blueberry	Sunil Sikoriya, Dalhousie Agricultural Campus, Truro, Nova Scotia
Integrated Management of Volunteer Canola for Soybean Production	Charles Geddes, University of Manitoba, Winnipeg, Manitoba
Flax Performance in an Organic Rotational No-till System Compared to Two Organic Cropping Systems with Tillage in Southern Manitoba	Caroline Halde, University of Manitoba, Winnipeg, Manitoba
Evaluation of Potential Harvest Aids and Application Timing for Lentil Dry Down	Ti Zhang, University of Saskatchewan, Saskatoon, Saskatchewan



Graduate Student Presentations



Title	Student, University
Effect of Herbicide Carryover in Cover Crop Capacity to Affect Soil Structure and Nutrient Availability	Maria Angelica Rojas, University of Guelph- Ridgetown Campus, Ridgetown, Ontario
Effect of Imazethapyr, Mesotrione and Saflufenacil Residues on Four Spring-seeded Cover Crops	Li Yu, University of Guelph, Ridgetown, Ontario
Control of Glyphosate Resistant Canada Fleabane (<i>Conyza canadensis</i>) with Glyphosate DMA/2,4-D choline (Enlist Duo) in Corn (<i>Zea mays</i>)	Laura Ford, University of Guelph, Ridgetown, Ontario
The Use of Herbicides in the Prevention and Control of Glyphosate-resistant Kochia on the Canadian Prairies	Ryan Low, University of Alberta, Edmonton, Alberta
Can Tillage and Agronomy be Integrated with Herbicide Application to Control Resistant Weeds?	Colleen Redlick, University of Saskatchewan, Saskatoon, Saskatchewan
Control of Cleavers and Wild Oat by Pyroxasulfone and Sulfentrazone in Field Pea is Affected by Edaphic Factors	Breanne Latus Tidemann, University of Alberta, Edmonton, Alberta

Photos from 2014 Annual Meeting Vancouver



Speakers

Posters



The People



Graduate Student Presentation Awards



Alan Kaastra of Bayer CropScience presents the Award winners of the Student Presentations to Charles Geddes (1st Place), Colleen Redlick (2nd Place) and Jessica Gal (3rd Place).

Thanks to the 2014 Vancouver Local Arrangements Committees

Thanks to the CWSS-SCM Local Arrangements Committee for all their work: Victoria Brookes (Chair), David Clements (Media and Publicity), Don Hare (Industry Reception), Hugh Beckie (2014 CWSS-SCM Program Co-Chair, Posters), David Ralph (Local Sponsorship, Media), Mahesh Upadhyaya (Graduate Student Session), Christine Bruneau (Photo Contest), David Forster (Sponsorship), Greg Wilson (Sponsorship), Darren Robinson (Treasurer), and Grant McMillan (Local Sponsorship, Photo Award Presentations) as well as Joe DiTomaso 2014 WSSA Program Co-Chair, Joyce Lancaster (Registration and meeting organization), Kurt Volker, Tim Miller (AV), and Tony Ballard (Registration, Hotel Liaison) for all their work on behalf of WSSA. Thanks to Brent Wright for all his photos in this issue. All photos were taken by Brent unless noted otherwise.



(Photo on left taken by Lian Drabyk and photo on right taken by Anita. Victoria Brookes identified the flower as *Viburnum bodnatense*. She was quite sure it survived the cold that Vancouver experienced.)



Congratulations to WSSA Award Winners—Peter Sikkema and Neil Harker

At the initial conference gathering, WSSA presented their awards. Congratulations to CWSS-SCM members who are also members of WSSA.: Peter Sikkema and Neil Harker. Dr. Sikkema was awarded the WSSA Fellow Award and Dr. Neil Harker won the WSSA Outstanding Research Award. Check out the WSSA newsletter for more information and photos:

<http://wssa.net/wp-content/uploads/WSSA-April-2014-Newsletter-final.pdf>

(Descriptions taken from WSSA)

WSSA Fellow Award

Peter H. Sikkema, Ph.D., a professor at the University of Guelph. Sikkema focuses on weed management in field crops. He has published 182 peer-reviewed manuscripts and authored or coauthored 86 oral presentations and 97 poster presentations for scientific conferences. He has served on the boards of WSSA, the Canadian Weed Science Society and the North Central Weed Science Society. He also has served as president of the Canadian Weed Science Society. Sikkema has received numerous awards for his contributions to teaching and to the field of weed science.

WSSA Outstanding Research Award

WSSA honored K. Neil Harker, Ph.D., part of the Agriculture and Agri-Food Canada team at Lacombe, AB. Harker has studied the impact of herbicides on weeds and crop yields, weed biology and the impact of adjuvants on herbicide activity. His current research focuses on integrated weed management, competitive crop stands, production and sustainability of canola and barley, weed interactions with insects, and cropping system impacts on soil microorganisms. Harker has published 166 refereed journal articles and 12 book chapters. He is a WSSA Fellow.

CWSS-SCM Bylaws Changes Approved

At the Annual Business Meeting in Vancouver on February 6, 2014, the CWSS-SCM Bylaws, including motion to adopt new CWSS-SCM bylaws and articles of continuance to meet the requirements of the new Canada Not-For-Profit Act were reviewed by Michael Downs. Earlier in the year, members were provided with written changes. Downs presented the proposed revisions to the bylaws and did an thorough job of explaining the need for the changes and the impact associated with such a change. The membership moved and accepted the amended bylaws as circulated in September and presented at the AGM.

Awards and Scholarships

Take the time and review our latest information on [scholarships and awards for the 2014 November meeting](#). The 2014 deadline for the nominations and applications for the Annual Meeting in Montréal is September 30, 2014.

- Graduate Student Scholarships
- CWSS-SCM Outstanding Industry Member Award
- Dow AgroSciences Canada Inc. Excellence in Weed Science Award
- CWSS-SCM Fellow
- CWSS-SCM Meritorious Service
- Excellence in Weed Extension Award

Terrestrial Invasive Plant Species II - Meeting Announcement

Terrestrial Invasive Plant Species II - Meeting Announcement Plant Invaders: Friends, Enemies, and Interactions



Registration is now open for the second Terrestrial Invasive Plant Species (TIPS II) meeting, to be held at the **University of Toronto Mississauga** on 6-8 August 2014. We are inviting presentations on the ecology, evolution, impacts, and management of plants invading terrestrial systems in Ontario, Canada and surrounding areas.

The meeting will focus on plant invaders in an **ecological context**, with sessions highlighting their interactions with their physicochemical surroundings and with other biota (competitors, herbivores, microbes, biocontrol agents). Goals include: 1) disseminating **up-to-date science** on the ecology of invasive plants, 2) creating a milieu for sharing **best practices** among conservation agencies, park managers and others and 3) providing a forum for practitioners and scientists to meet and discuss **priorities, emerging threats, and funding opportunities**.

We expect about 250 participants, including university students, researchers, resource managers, and government representatives. An initial day will be devoted to registration, a reception, and pre-conference field trips, followed by two full days of presentations, including 20-minute contributed oral presentations, research posters, and networking sessions. Presentations will be organized thematically; we anticipate sessions devoted to management, biocontrol, impacts, ecological interactions, and related topics. Major support has been provided by the Invasive Species Centre and the University of Toronto.



Early bird registration ends May 31. Please visit <https://secure.utm.utoronto.ca/tips2/> for registration information, updates and more information. We hope to see you in **Mississauga** this summer!

TIPS II Organizing Committee:

Peter Kotanen, Biology, University of Toronto Mississauga

Sandy Smith, Faculty of Forestry, University of Toronto

Ben Gilbert, Ecology and Evolutionary Biology, University of Toronto

Roberta Fulthorpe, Physical and Environmental Science, University of Toronto Scarborough



UNIVERSITY OF
TORONTO
MISSISSAUGA

**Our CWSS-SCM 2014 Annual Meeting
November 17 - 20, 2014, Fairmont – The Queen Elizabeth,
Montréal, Québec**



Check out more on the hotel at <http://www.fairmont.com/queen-elizabeth-montreal/>

Mark your calendars for the **November 17 – 20, 2014**, for the CWSS-SCM Annual Meeting. It will be held at the Fairmont – The Queen Elizabeth in **Montréal, Québec**. This Meeting will be chaired by Diane Lyse Benoit.

**Notes for the 2014 Montreal
Annual Meeting**



Our Montreal meeting will be chaired by Diane Lyse Benoit. At the Vancouver CWSS-SCM business meeting, Diane briefly described her program for the 2014 November meeting, the venue and Montréal. She wants us all to mark our calendars and come and visit the beautiful city of Montreal. We will be staying at The Queen Elizabeth hotel.

CALL FOR SYMPOSIA 2015 Annual Meeting of the WSSA

WSSA has issued a call for Symposia for their 2015 Annual Meeting in Lexington, Kentucky, to be held February 9–12, 2015. WSSA members are invited to submit proposals. Symposium proposals can be e-mailed directly to Dallas Peterson (dpeterson@ksu.edu) and are due June 1, 2014. If you have any questions, feel free to email or give Dallas Peterson, 2015 Program Co-Chair, a call (785-532-0405). Check the following website page for more information: http://wssa.net/wp-content/uploads/WSSA_Call-for-symposia.pdf

WEEDS ACROSS BORDERS Ottawa—October 15 –16, 2104



SAVE THE DATE!

WEEDS ACROSS BORDERS
OTTAWA, CANADA OCT. 15-16, 2014

Weeds Across Borders (WAB) is a biennial conference covering the interests of professionals and organizations involved in North American weed management and regulation.

Bringing together international speakers, this conference will include leading edge information on policy and cross border management for invasive species, along with effective approaches for involvement of indigenous organizations and citizen science. In addition to the two-day event, opportunities for a field trip and special workshops will be held pre- and post-forum.

Hosted by the Canadian Council on Invasive Species, with the support and guidance of many international advisors, we hope that you will plan to enjoy the beautiful fall colour in Canada's capital city.

FOR MORE INFORMATION: Contact Barry Gibbs (ed@abinvasives.ca) or Gail Wallin (gwallin@bcinvasives.ca), co-chairs of the Canadian Council on Invasive Species.

CWSS-SCM Facebook and Twitter

Remember to regularly check out our CWSS-SCM social media tools for the membership. We hope these tools will help our membership connect and help distribute information on weed science throughout the year. The hyperlinks are listed below and the links are also posted on our main website, www.weedscience.ca. Please follow, like and tweet about these tools!

[CWSS-SCM Facebook Page](#)

[CWSS-SCM Graduate Students Page](#) (Login to Facebook required)

[CWSS-SCM Twitter](#)

We post timely information on abstract submissions, job postings and other information on these sites.

2014 CWSS-SCM Board of Directors



2014 Board of Directors for the CWSS-SCM, our 2014 Vancouver LAC Chair and Executive Assistant

From left to right in back row: Ken Sapsford, Allan Kaastra, Jeff Bertholet, Stephen Darbyshire, Chris Willenborg, Gavin Graham, Eric Johnson, and Don Hare. From left to right in the front row: Scott White, Wendy Asbil, Victoria Brookes, Hugh Beckie, Michael Downs, Frances Boddy, David Clements, and Anita Drabyk. Missing from the photo was Joe McNulty, who had just joined the Board. (photo by Brent Wright)

2014 CWSS-SCM Board Activities

The Board has been busy with various activities this year. They had two Board meetings at the Annual Meeting as well as the Annual Business Meeting. Their next meeting was held by teleconference in early April. In addition the Board Executive has provided input to the Communications Committee plans. The following committees have also been busy:

- Sponsorship Committee has letters ready to go for the 2014 Montreal meeting
- Communication Committee has held several meetings this year. They have also started up the Twitter and Facebook accounts. Gavin Graham, Darren Robinson and Mike Cowbrough have been pivotal in these efforts.
- Membership Committee has prepared, sent out and received the annual membership survey. Results have been presented to the Board and are currently being analyzed. A future newsletter will summarize these results.
- Scholarship and Awards Committee has sent out its first request for applications for the 2014 Montreal meeting.
- Diane Lyse Benoit and her team for the LAC Montreal has met with the LAC of Vancouver. They have set up their LAC team and they have had another meeting at the end of April.
- Rory Degenhardt of LAC Edmonton has had their first planning meeting and their team is set up for 2015 November.
- Gavin Graham for LAC 2016 is currently looking for hotels and sites in the Maritimes .



Upcoming Meetings

June 24 to 28, 2014	Special International Workshop on Weeds and Invasive Plants, Spain http://andinallanos.weebly.com
July 10-12, 2014	Canadian Society of Agronomy (CSA) 2014 Annual Meeting and Joint Conference with Canadian Society of Horticultural Science, University of Lethbridge, Lethbridge, Alberta
September 10, 2014	Herbicide Resistance Summit II, Washington, DC, sponsored by the Weed Science Society of America and hosted by the National Research Council.
October 14-17, 2014	<u>Weeds Across Borders – An International Conference on Invasive Species, Ottawa, Canada</u>
November 17-20, 2014	CWSS-SCM Annual Meeting in Montreal, Quebec
December 1- 4, 2014	North Central Weed Science Society 2014 annual meeting, Hyatt Regency hotel in Minneapolis, MN
January 5-8, 2015	The Northeastern Weed Science Society Annual Meeting, Williamsburg Lodge in Williamsburg, VA
February 2015	Weed Science Society of America Annual Meeting, Lexington, Kentucky
July 2015	Plant Canada, Edmonton, Alberta
November 21-27 2015	CWSS-SCM Annual Meeting at The Westin in Edmonton, Alberta
February 2016	Weed Science Society of America Annual Meeting, San Juan, Puerto Rico

Anita Drabyk
CWSS – SCM, Executive Assistant
P.O. Box 674
Pinawa, Manitoba R0E 1L0
Telephone: (204) 205-0297
or (204) 753-2915
Fax: (204) 753-2363
E-mail: assistant@cwss-scm.ca

Articles for Newsletter

Articles, photos, letters and news items for the newsletters can be emailed to assistant@cwss-scm.ca at any time. The deadline for the next submissions for the newsletters will be June 7, 2014,

2014 CWSS-SCM Board of Directors

President	Hugh Beckie	Research Representative	Chris Willenborg
Past President.....	David Clements	CropLife Canada Representative (West).....	Joe McNulty
1st Vice-President	Eric Johnson	CropLife Canada Representative (East).....	Greg Wilson
2nd Vice-President.....	Jeff Bertholet	Provincial Extension Representative:	Gavin Graham
Treasurer.....	Frances Boddy	Member-At-Large (East).....	Allan Kaastra
Secretary	Don Hare	Member-At-Large (West).....	Ken Sapsford
Regulatory Representative	Michael Downs	<u>Graduate Student Representative</u>	<u>Katherine Stanley</u>
Regulatory Representative	Wendy Asbil	Local Arrangements (2014 Feb).....	Diane Lyse Benoit
Publications Director	Stephen Darbyshire	Executive Assistant to the Board.....	Anita Drabyk