Newsletter Fall 2017

Message from the President Linda Hall

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Looking Forward

Two years of careful planning will be coming to a crescendo in the next few weeks leading up to our meeting in Saskatoon. Bryce and the local arrangement committee have planned a great program and there will something of interest for all the members. I am especially looking forward to meeting and greeting graduate students and hearing about their research. For those who have not visited Saskatoon, it has some food for the adventurous. I am recommending a walk down 20th street to Primal or (across the street) Jin Jin Dumpling House.

The CWSS board has been working forward to meet CWSS-SCM objectives and keep the society financially stable. Before our meeting in Saskatoon the Board will be planning the strategies for next five years, to accommodate changes in communication, within the industry, deal with emerging weed challenges and innovations and initiate new ways to serve our members. Please feel free to contact anyone on the board with your suggestions and input.

What I Learned Walking Fields – Philosophic Meandering While Surveying

This year I managed to convince
Hugh Beckie to let me survey for
herbicide resistant weeds in some
Alberta fields; pre-harvest in central
Alberta and post-harvest in southern
Alberta. The good news, I did not get
shot for trespassing. However, one
gentleman did suggest I would make
more money collecting bottles and
cans than collecting weed seeds.
Here are a few of the things that I
learned or remembered.

There are a lot of wild oat patches in cereals. I will need to wait for Hugh to tell me if they are resistant, but odds are good that we have many cereal fields with resistant patches.

Canola is very hard to walk
through when mature, especially
when lodged. Canola is very prominent on the landscape. There were
few weeds in canola crops in central
Alberta. HR canola must be making a
contribution to the reduced abundance of weeds. A year in competitive canola with good weed control

Our appreciation to the following companies for their support:

Platinum:

BASF Canada
Bayer CropScience
Dow AgroSciences
Canada Inc.
Monsanto Canada
Syngenta Canada
Inc.

Gold:

FMC
Nufarm
DuPont Canada

Silver:

AgQuest
Arysta LifeScience
Valent
Agriculture Institute
of Canada (AIC)



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President's Message continued

interrupts the life cycle of most annual weeds. But from what I know of resistance, HR canola must be having a huge selection pressure on the weed populations. There are few susceptibles left

in the field.



HR kochia no longer just of academic interest. I spotted this field, fenceline to fence-line kochia within a swathed canola field in southern Alberta. (Kochia photo 1 and 2, left and below). Because of the importance of HR can-

ola, there is a real need to slow or delay glyphosate and glufosinate resistance in western Canada.

Barbed wire fences: over, under or through. Slow is better.

Fields are variable. I spend much of my re-



search life avoiding or managing variability but that is not what the real world looks like. It looks like hills and gaps in the crop and sloughs and field edges. It looks like areas where the crop has drowned or been double seeded. There are so many niche spaces for weeds that plot research does not address. Kudos to the agronomists who take research information and apply it to a variable world.

Each of these fields is also is a part of the story of the family. Settlers first cleared and then disturbed the land, harvested their

The 2017 November CWSS-SCM Annual Meeting will be held at the Radisson in Saskatoon, Saskatchewan from November 20 to 24, 2017



President's Message continued

first crop, chose to leave trees on the fence line, planted roses around homes, build and then abandoned

the farmstead, either for a bigger house or for greener pastures. The promise of 160 acres and a new life for immigrants. Farmer families, either seeking adventure, or fleeing persecution, built Western Canada. They, along with chance and history, shaped our fields and weed populations.

I love walking in fields. Getting out of the office and off a research farm has been great. I hope that the data that Alberta collects will build on the survey information that researchers have been collecting since the 1970s.

Thanks Hugh.

Linda Hall, President, CWSS-SCM



JOIN OUR SOCIETY

If you have not paid your membership dues for 2018 you can now do so online. If you are attending our Saskatoon meeting, your fees for 2018 are included in the meeting fees. If you weren't able to attend you can become a member or renew your membership by the online link: http://www.regonline.ca/canadianweedsciencemembership starting after the 2017 meeting.

Regular: (Educators, extension agents, government employees, growers, commercialization agents, regulators, researchers) - \$150

Student in an International University: - \$50

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

Student in a Canadian University with signature of supervisor: - \$0, please send in a copy of the registration form signed by your supervisor. Send in a copy of <u>our membership form.</u>



Schedule for 2017 CWSS-SCM Meeting

Small changes might still be made

Sunday, November 19, 2017

Start Time	End Time	Topic/Event	Room	Notes
13:00	16:00	CWSS Board Meeting	Verona	
	Мо	nday, November 20,	2017	
Start Time	End Time	Topic/Event	Room	Notes
		Breakfast for CWSS		
7:00	9:00	Board Meeting	Florence	
9:00	17:00	CWSS Board Meeting	Venice	
		Lunch for CWSS Board		
12:00	13:00	Meeting	Florence	
13:00	17:00	Optional Tour	Offsite	
13:00	20:00	Registration	Pre-Function Area	Outside Verona
		Exhibits and Poster		
9:00	20:00	Set Up	Pre-Function Area	
		Board Member/Grad		
17:00	18:00	Student Meet & Greet	TBD	
18:00	21:00	General Meet & Greet	Da Vinci Ballroom	

Tuesday, November 21, 2017

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Start Time	End Time	Topic/Event	Room	Notes
7:00	17:00	Registration	Pre-Function Area	Outside Verona
7:00	8:00	Breakfast Continental	Michelangelo A	
		Opening Remarks and		
8:00	8:30	President's Address	Michelangelo B	
		Graduate Student		
		Presentations (6 x 15		
8:30	10:00	minutes)	Michelangelo B	
10:00	10:30	AM Break	Pre-Function Area	Exhibitors Present
		Graduate Student		
		Presentations (4 x 15		
10:30	11:30	minutes)	Michelangelo B	
12:00	13:00	Lunch	Michelangelo A	Exhibitors Present
		Graduate Student		
		Presentations (4 x 15		
13:00	14:00	minutes)	Michelangelo B	
		Concurrent Program		Cereal Pulse and
14:00	15:00	Section 1A	Michelangelo B	Oilseeds
		Concurrent Program		Industrial Vegetation
14:00	15:00	Section 1B	TBD	and Rangeland
15:00	15:30	PM Break	Pre-Function Area	Exhibitors Present



				Cereal Pulse and Oilseeds fb Horticul-
15:30	17:10	Concurrent Program Section 1A continued	Michelangelo B	ture
				Weed Biology and
15:30	17:30	Concurrent Program Section 1B	TBD	Ecology
				Graduate Student
15:30	17:30	Concurrent Program Section 1BC	TBD	Career Seminar
18:15	19:45	Optional Dine-arounds	Offsite	
18:30	21:00	President's Dinner	Offsite	

Florence Florence		Wednesday, November 22, 2017				
7:00 7:50 Poster Viewing with Authors Present Pre-Function Area Optional at breaks 7:50 9:30 Plenary Session Michelangelo B Agronomy Focused 9:30 10:00 AM Break Pre-Function Area 10:00 11:30 Plenary Session Michelangelo B Agronomy Focused 11:30 12:30 Lunch Michelangelo A Exhibitors Present 12:30 14:45 Concurrent Plenary Breakout 1A Michelangelo C Science 12:30 14:45 Concurrent Plenary Breakout 1B Venice Resistance 14:45 15:00 PM Break Pre-Function Area Exhibitors Present 15:00 17:15 Concurrent Plenary Breakout 1B Wichelangelo C Science 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 16:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 17:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	6:45	7:30	LAC Breakfast	Florence		
7:50 9:30 Plenary Session Michelangelo B Agronomy Focused 9:30 10:00 AM Break Pre-Function Area 10:00 11:30 Plenary Session Michelangelo B Agronomy Focused 11:30 12:30 Lunch Michelangelo A Exhibitors Present 12:30 14:45 Concurrent Plenary Breakout 1A Michelangelo C Science 12:30 14:45 Concurrent Plenary Breakout 1B Venice Resistance 14:45 15:00 PM Break Pre-Function Area Exhibitors Present 15:00 17:15 Concurrent Plenary Breakout 1B Wichelangelo C Science 15:00 17:15 Concurrent Plenary Breakout 1B Michelangelo C Science 15:00 17:15 Concurrent Plenary Breakout 1B Wenice Resistance 16:00 17:15 Concurrent Plenary Breakout 1B Wenice Resistance 17:00 17:15 Concurrent Plenary Breakout 1B Wenice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	7:00	7:50	Breakfast Continental	Michelangelo A		
9:30 10:00 AM Break Pre-Function Area 10:00 11:30 Plenary Session Michelangelo B Agronomy Focused 11:30 12:30 Lunch Michelangelo A Exhibitors Present Technology in Weed 12:30 14:45 Concurrent Plenary Breakout 1A Michelangelo C Science 12:30 14:45 Concurrent Plenary Breakout 1B Venice Resistance 14:45 15:00 PM Break Pre-Function Area Exhibitors Present Technology in Weed 15:00 17:15 Concurrent Plenary Breakout 1A Michelangelo C Science 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	7:00	7:50	Poster Viewing with Authors Present	Pre-Function Area	Optional at breaks	
10:00 11:30 Plenary Session Michelangelo B Agronomy Focused 11:30 12:30 Lunch Michelangelo A Exhibitors Present Technology in Weed 12:30 14:45 Concurrent Plenary Breakout 1A Michelangelo C Science Status of Herbicide 12:30 14:45 Concurrent Plenary Breakout 1B Venice Resistance 14:45 15:00 PM Break Pre-Function Area Exhibitors Present Technology in Weed 15:00 17:15 Concurrent Plenary Breakout 1A Michelangelo C Science Status of Herbicide 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	7:50	9:30	Plenary Session	Michelangelo B	Agronomy Focused	
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12:30 14:45 Concurrent Plenary Breakout 1A Michelangelo C Science 12:30 14:45 Concurrent Plenary Breakout 1B Venice Resistance 14:45 15:00 PM Break Pre-Function Area Exhibitors Present 15:00 17:15 Concurrent Plenary Breakout 1A Michelangelo C Science 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	11:30	12:30	Lunch	Michelangelo A	Exhibitors Present	
12:30 14:45 Concurrent Plenary Breakout 1B Venice Resistance 14:45 15:00 PM Break Pre-Function Area Exhibitors Present Technology in Weed 15:00 17:15 Concurrent Plenary Breakout 1A Michelangelo C Science Status of Herbicide 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	12:30	14:45	Concurrent Plenary Breakout 1A	Michelangelo C	· ·	
15:00 17:15 Concurrent Plenary Breakout 1A Michelangelo C Science Status of Herbicide 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	12:30	14:45	Concurrent Plenary Breakout 1B	Venice		
15:00 17:15 Concurrent Plenary Breakout 1A Michelangelo C Science Status of Herbicide 15:00 17:15 Concurrent Plenary Breakout 1B Venice Resistance 18:00 20:00 CWSS Awards and Dinner Michelangelo B	14:45	15:00	PM Break	Pre-Function Area	Exhibitors Present	
15:0017:15Concurrent Plenary Breakout 1BVeniceResistance18:0020:00CWSS Awards and DinnerMichelangelo B	15:00	17:15	Concurrent Plenary Breakout 1A	Michelangelo C	<u> </u>	
	15:00	17:15	Concurrent Plenary Breakout 1B	Venice		
20:00 Crontife Industry Recention Do Vinci Ballycom Appitizers Available	18:00	20:00	CWSS Awards and Dinner	Michelangelo B		
zo.oo zz.oo Croptile ilidustry keception Da vinci Baliroom Appitizers Available	20:00	22:00	CropLife Industry Reception	Da Vinci Ballroom	Appitizers Available	

Thursday November 23, 2017				
		Breakfast and CWSS Annual Business		
7:00	9:00	Meeting	Michelangelo A	Hot Breakfast
7:00	18:00	Removal of Posters and Exhibits	Pre-Function Area	Outside Verona
				Corn, Soybean, Edible
9:00	10:00	Concurrent Program Section 2A	Michelangelo C	Bean
9:00	10:00	Concurrent Program Section 2B	Venice	Regulatory
10:00	10:30	AM Break	Pre-Function Area	Exhibitors Present
				Corn, Soybean, Edible
10:30	10:50	Concurrent Program Section 2A	Michelangelo C	Bean Continued
10:30	10:50	Concurrent Program Section 2B	Venice	Regulatory Continued
12:30	1:30	Board Lunch	Picasso	
1:30	17:30	Board Meeting	Picasso	



More 2017 Saskatoon

Tuesday, November 21, 2017 in detail

Day 1 (Michelangelo B)

	Moderator: TBA			
Start Time	End Time	Speaker	Speaker	
		President's Welcome	Linda Hall	
8:00	8:30	French translation	Marie-Josée Simard	
		Evaluation of Spring and Fall Herbicide Applications for Red Sorrel		
8:30	8:45	(Rumex acetosella L.) Management in Wild Blueberry (Vaccinium angustifolium Ait.)	Rakesh K. Menapati	
8:45	9:00	Evaluation of Chemical and Mechanical Control Strategies for Japanese knotweed (<i>Fallopia japonica</i>)	Tyler D. Jollimore	
9:00	9:15	Evaluation of flazasulfuron for fescue grass (<i>Festuca</i> spp.) suppression and crop tolerance in wild blueberry (<i>Vaccinium augustifolium</i> Ait.)	Linshan Zhang	
9:15	9:30	Glyphosate-resistant waterhemp (<i>Amaranthus tubuculatus</i> var. <i>rudis</i>) control with soil applied and post-emergence herbicides in corn (<i>Zea mays</i>).	Lauren Benoit	
9:30	9:45	Cultural Weed Control in Soybean: Does it Matter?	Jonathan D. Rosset	
9:45	10:00	Biofumigation and <i>Brassica juncea</i> Cover Crop Impacts on Weed Communities	Maxime Lefebvre	
10:00	10:30	Break		
10:30	10:45	Efficacy of chemical control methods on giant hogweed	Meghan Grguric	
10:45 11:00	11:00 11:15	Control of Glyphosate-resistant Waterhemp (Amaranthus tuberculatus var. rudis) in Ontario with the Roundup Ready 2 Xtend Crop System Weed management in organic pulses: The integrated approach	Brittany Hedges Oleksandr Alba	
11:15	11:30	Conquering linuron resistant pigweed in carrots	Tessa J. de Boer	
11:30	13:00	Lunch (Michelangelo A)	1. 2334 3. 42 5021	
13:00	13:15	Biologically-Effective Dose of Tolpyralate Applied Post-Emergence for Annual Weed Control in Corn (<i>Zea mays</i> (L.))	Brendan Metzger	
13:15	13:30	Pre-emergent herbicide tolerance in spring-sown winter rye	Elizabeth M. Buck	
13:30	13:45	Evaluation of sequential mesotrione applications and herbicide spot applications for goldenrod (<i>Solidago</i> spp.) management in wild blueberry	Muhammad Hammad Farooq	
13:45	14:00	Residual effects of s-metolachlor tank mixes on annual rye grass and red clover interseeded into 4-5 leaf corn.	Sydney M. Wardell	



Tuesday, November 21, 2017 in detail continued

Cereal, Pulse, and Oilseeds in Michaelangelo B					
Start Time	End Time	Speaker	Speaker		
		Moderator: Steve Shirtliffe			
		Saskatchewan Weed Survey of Herbicide-Resistant weeds in			
14:00	14:20	2014-15	Hugh J. Beckie		
14:20	14:40	Precision Agriculture and the Diversity-Stability Hypothesis	Clarence J. Swanton		
		Managing weed seed production in lentil and wheat with above-			
14:40	15:00	and in-canopy clipping	Lena D. Syrovy		
15:00	15:30	Break			
		Cereal, Pulse, and Oilseeds in Michaelangelo B			
		Utility of Arylex™ Active Herbicides for Control of Emerging Weed			
15:30	15:50	Threats in Canadian Cereal Crops	Rory Degenhardt		
		Fluroxypyr-based Control of Kochia from 1990-2014 in Western			
15:50	16:10	Canada - Providing Context to Herbicide Resistance Development.	Len T. Juras		
		An Adjuvant System to Improve Herbicide Deposition, Canopy			
16:10	16:30	Penetration and Reduce Off Target Losses	Gregory K. Dahl		
16:30	16:50	Heat LQ: A new tool for pre-harvest weed management in cereals	Andrew J. Reid		
	Horticulture and Specialty Crops in Michaelangelo B				
		Moderator: Darren Robinson			
16:50	17:10	Variation among vine crops in preemergence herbicide tolerance	Darren E. Robinson		
17:10	17:30	Weed Control in Wild Blueberry	Gavin L. Graham		
		Industrial Vegetation and Rangeland in TBD			
Start Time	End Time	Speaker	Speaker		
Moderator:					
		Evaluation of Florasulam, and Florasulam Tank Mixtures, in			
14:00	14:20		Andrew W. MacRae		
		The influence of producer management and industrial disturb-			
14:20	14:40	o	Lysandra A. Pyle		
44.40	45.00	OcTTain [™] XL for Broadleaf Weed Control on Industrial and Other			
14:40	15:00	·	Laura R. Smith		
15:00	15:30	Break			
		Herbicide and N fertilization control of yellow toadflax (Linaria			
15:20	15.50	vulgaris) and hoary alyssum (<i>Berteroa incana</i>) in perennial forage	Laural Darratt		
15:30	15:50	systems	Laurel Perrott		



Tuesday, November 21, 2017 in detail continued

	Weed Biology and Ecology Moderator: David Clements			
15:50	16:10	, , , , , , , , , , , , , , , , , , , ,	Andrew G. McKenzie-Gopsill	
16:10	16:30	Investigating mechanisms of glyphosate resistance in common ragweed (Ambrosia artemisiifolia)	Holly P. Byker	
16:30	16:50	Acetyl-CoA carboxylase gene amplification in herbicide resistant crabgrass (<i>Digitaria sanguinalis</i>)	Martin Laforest	
16:50	17:10	The case of a glyphosate resistance transgene in weedy <i>Brassica</i> rapa: ten years later	Marie-Josée Simard	
17:10	17:30	Potential for glyphosate resistance in Bohemian knotweed (Fallopia X bohemica)	David R. Clements	
17:30	17:50	Seed Bank Persistence, Germination and Early Growth of Glyphosate-Resistant Kochia	Hugh J. Beckie	

Wednesday, November 22, 2017 in detail

Plenary Plenary session introduction: Revolutionizing weed science with new technologies (Michelangelo B)					
	Moderators: Trish Meyers, Steve Shirtliffe				
Start Time	End Time	Speaker			
7:50	8:00	Introduction - Steve and Trish			
8:00	8:45	Jesper Rasmussen			
8:45	9:30	Kristina Polziehn			
9:30	10:00	Break			
10:00	10:40	Warren Bills (Bayer)			
10:40	11:20	Tracy Rowlandson (BASF)			
11:20	11:30	Additional Questions			
11:30	12:30	Lunch (Michelangelo A)			

- ◆ Afternoon will have 2 breakout rooms with repeating sessions
- ◆ Room 1 will be on Status of Herbicide Resistance
 - Seed Destruction
 - Survey of Canadian Resistance
 - Auxin Resistance
- ♦ Booths to walk through as well

- ◆ Room 2 will be on Technology in Weed Science
 - Nozzle technology
 - Drones in research
 - Drones in aerial application
- ♦ Booths to walk through as well
 - Sprayer boom
 - •Drone research
 - Nozzle company
 - Sprayer company



Wednesday, November 22, 2017 in detail continued

Status o	Status of Herbicide Resistance (Venice)					
Start Time	End Time	Speaker				
	Moderator: Clark I	Brenzil				
12:30	13:00	Hugh Beckie				
13:00	13:30	Kelly Bennett				
13:30	14:00	Breanne Tidemann				
		MOA & Crushed Seed				
14:00	14:45	Demo				
14:45	15:00	Break				
15:00	15:30	Hugh Beckie				
15:30	16:00	Kelly Bennett				
16:00	16:30	Breanne Tidemann				
16:30	17:15	MOA & Crushed Seed Demo				

Technology in Weed Science (Michelangelo C)				
Start Time	End Time	Speaker		
M	Moderator: Cory Jacobs			
12:30	13:00	Tom Wolf		
13:00	13:30	Cory Willness		
13:30	14:00	Chris Neeser		
		Nozzle, Drone, and		
14:00	14:45	Research Demo		
14:45	15:00	Break		
15:00	15:30	Tom Wolf		
15:30	16:00	Cory Willness		
16:00	16:30	Chris Neeser		
16:30	17:15	Nozzle, Drone, and Research Demo		

Thursday, November 23, 2017 in detail

Thursday, November 23, 2017				
Corn, Soybean, and Edible Bean in Michaelangelo C				
Start Time	End Time	Speaker	Speaker	
Moderator: Allan Kaastra				
9:00	9:20	A New Adjuvant System for Use in Dicamba Tolerant Soybeans	Gregory K. Dahl	
9:20	9:40	Effect of glyphosate timing, rate and tank mix partner on control of an annual ryegrass (<i>Lolium multiflorum</i>) cover crop.	Darren E. Robinson	
9:40	10:00	Control of glyphosate-resistant waterhemp in glufosinate, glyphosate/dicamba, glyphosate/2,4-D and mesotrione/glufosinate/isoxaflutole-resistant soybean	Peter H. Sikkema	
10:00	10:30	Break		
Corn, Soybean, and Edible Bean in Michaelangelo C				
		Alternative approaches to the control of glyphosate re-		
10:30	10:50	sistant Canada fleabane	François Tardif	



More 2017 Saskatoon Meeting Notes

Regulatory in Venice			
Start Time	End Time		Speaker
	Moderator: Chris Neeser		
9:00	9:30	CropLife Update	
9:30	9:45	CFIA Update	
9:45	10:00	PMRA Update	
10:00	10:30	Bre	ak
Regulatory in Venice			
10:30	11:30	Provincial Updates	

Our Canadian Weed Science Society 2017 Annual Meeting Radisson Hotel, Saskatoon (November 20 to 24)

Experience downtown Saskatoon's river-view hotel Situated in the centre of downtown, Radisson Hotel Saskatoon offers a stunning view of the city's skyline and the vast Saskatchewan River. With a location so central, you can discover the nearby business district, restaurants, museums and shops on foot. Our hotel also lies just steps away from the riverfront Meewasin Trail, popular with local joggers and strollers. (Photo and quote from https://www.radisson.com/saskatoon-hotel-sk-s7k6x6/sksaskat)



Photo courtesy of the Radisson Hotel, Saskatoon.

2018 Canadian Weed Science Society's Annual Meeting

The venue for the 2018 Canadian Weed Science Society's 72nd annual meeting will take place in Niagara Falls, Ontario at the Marriott on the Falls from November 17 to 22, 2018. Peter Sikkema, Darren Robinson and their LAC team will be leading this meeting





2018 Canadian Weed Science **Society's Annual Meeting**

Yes, we are planning the meeting for 2019! It will be held in Kelowna BC. David Clements and Ken Sapsford are starting the planning of this meeting.



Canadian Journal of Plant Science

For CWSS members that are interested in purchasing a membership to the Canadian Journal of Plant Science (CJPS) please see the costing structure below. CJPS is an International Journal that contains new research on all aspects of plant science relevant to continental climate agriculture, including plant production and management, horticulture, and pest management. The Canadian Weed Science Society contributes several associate editors to the journal and the journal supports an Outstanding Paper award annually for the society.

Title	Electronic	Print & Electronic	Extra Postage Outside Canada
Canadian Journal of Plant	\$50	\$115	\$38

2018 Herbicide Resistance Summit



From the 2018 Herbicide Resistance Summit website: "The Herbicide Resistance Summit aims to facilitate a more unified understanding of herbicide resistance issues across Canada and around the world. This bi-annual conference promotes awareness that everyone engaged with agriculture has a role to play in managing the growing threat of herbicide resistance. Check out their website at https://www.weedsummit.ca/

THE INVADER NEWSLETTER



Encourage your friends, enemies, contacts and co-workers to go to the AISC website (www.abinvasives.ca) and sign up for the newsletter. THE INVADER newsletter is published regularly and will keep you up to date with the latest news on AISC and invasive species. Follow us on Twitter and Facebook.



Saskatchewan Invasive species http://www.saskinvasives.ca/index.php http://bcinvasives.ca







http://invasivespeciesmanitoba.com/site/

Page 11 CWSS-SCM Newsletter—Fall

CWSS-SCM 2017 Saskatoon Photo Contest

Here is a quick preview of this year's photo contest:







asion_of_sandy_n ative_prairie_MB





Mountains

















ybean

campus in the spring



















1k Nirvana In Th e_Back_Forty

1I_Only_A_Nozzle head_Could_App

1m P1040382 (1)







1a Potato Field

1r Saline lowland _disturbed_by_ca









































2 - Otebos





























2h_cracking the



2i_Dandelion_In_

The_Rough

2 Butomus umb ellatus_invasion of_SK_wetland







2-3 Dodder on

the side of a park



2I_IMG_4268

Lamiastrum

galeobdolom

(yellow archang.

2a Surrounded by





Senecio jacobea

(tansy ragwort)





















2t_Purple_Deadn







2v_Rumex_crispu



2w Saskatoor



2x_The _Cycle_of_Life_













2zc Wild Chervil

quarters

headshot-





















2za Weed seed







on_field_margins

3 - The Potentia



2zd_Wild_cucum







2u_Ready_to_Fly_















Type: JPG File ize: 3.48 MB









ngelica











Collecting

roadside knotweed



over the lab

2zl b_





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3 - Bringing it all



1st Pass



























3_Seeding_Fabab ean_with_Planter



CWSS-SCM 2017 Saskatoon Photo Contest



o_Kill_Stuff



ury_in_Susceptibl mp_Culitvar



3_Cross-threaded Concentration_



3_IMG_4055 Collecting



3_IMG_4059 Knotweed taking





3_Life of a summer student-Category 3



3_Lost_in



3_Loving_My_Wo 3_Seeding_Fabab



fleabane. I mea







_Seriously_Not_Li





eline_disturbance

















weed counts







kely_To_Fit







Shropshire

CWSS-SCM 2017 Local Arrangements Committee

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Shaun Campbell—Local Sponsorship

Said Darras—Poster contest

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Paul Happ—Photo Contest

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Megan Krone—Photo Contest

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Eric Page—First Vice President (LAC Oversight)

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Mike Steckler—CEU Credits

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Eric Tozzi -A/V

Greg Wilson—National Sponsorship

Job Opportunities

<u>CÉROM</u> is recruiting a Weed Scientist. As a part of their duties, the researcher will develop and manage their own projects in collaboration with the CÉROM team and other organizations. They will responsible for applying for grants to co-finance their projects. The chosen candidate will orient their research according to the needs and priorities of the grain sector. Check the link to more information: Recruitment-Weed-Scientist-CÉROM

Job posting for two Assistant Professors in Plant Biology (UTSC-17-09 & UTSC-17-10) at University of Toronto Scarborough check out posting at http://weedscience.ca/wp-content/uploads/2017/09/Plant-Biology-Advertisement-on-letterhead.pdf

Here is the link to the job posting for a weed control/efficacy researcher on the Ag-Ouest website.: http://www.agguest.com/misc/Job%20Posting%20-%20Minto%20Efficacy%20Pl%20-%20AgOuest%2015SEPT17.pdf

Please see the link below for a job posting with <u>AAFC in Lacombe</u> for a Research Scientist in Sustainable Crop Management: https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?toggleLanguage=en&poster=1096852

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Gerry Stephenson

We as a society and as friends and colleagues share in expressing our condolences to family and friends of Gerry Stephenson. Dr. Gerald Stephenson was made a fellow of CWSS-SCM in 2008.

Here is a dedication to Gerry Stephenson written by Dr. Keith Solomon.

- submitted by Linda Hall

Gerry Stephenson, scientist, scholar, teacher, and mentor



Gerald Robert Stephenson, June 12, 1942 – October 17, 2017. Died unexpectedly of a massive brain hemorrhage in hospital in Kitchener Ontario. Born in Michigan where he completed his education at Michigan State University. After obtaining his PhD, Gerry joined the Department of Botany at the University of Guelph in 1968. He rose through the ranks to become full Professor in 1981 during which time he joined the newly formed Department of Environmental Biology. He "semi-retired" in 2002 after serving as Associate Chair and Acting Chair. To Gerry, semi-retirement meant that he continued to teach the course Pesticides and the Environment and interact with students and faculty until a year ago.

Gerry's contributions to the science of weed management are legion. He has supervised 37 MSc and PhD students, seven post-doctoral fellows, and participated

in countless university teaching activities, including what I believe to be his favorite course; Pesticides and the Environment. These activities have guaranteed that his intellectual contributions will be carried into the future by all the thousands of undergraduate and graduate students he has interacted with. I will quote one of his students, Dean Thompson:

"I'm sure that I am among many, many students who owe their long-standing scientific careers, in no small part, to the encouragement and teachings of this soft-spoken minigiant. He was truly a scholar and a gentleman."

Gerry authored or coauthored 96 papers in peer-reviewed journals, eight in refereed conference proceedings, ten chapters in books, 183 technical reports and papers and contributed to 10 books. I believe that his favourite book, *Pesticides and the Environment*, which was published in 2007 as was a follow-up to an earlier (1979) text, The *Use and Significance of Pesticides in the Environment*



Gerry Stephenson

coauthored with Freeman McEwen. This book as been translated into Spanish and Portuguese and is used as teaching text in many countries. In addition to all of this, he has made more than 500 presentations at local, national, and international conferences. Gerry's contributions to science have been recognized in his appointment as a fellow of the Weed Science Society of America as well as an Outstanding Teacher Award from the same organization, and the Syngenta Award for Outstanding Contributions to Agriculture.

Gerry served on several provincial, federal, and international advisory committees and served on the I.U.P.A.C., International Advisory Committee on Crop Protection Chemistry as the Canadian representative (1997-2007). Because of these activities, Gerry developed a network of colleagues around the world. I have been thrice blessed in that, since 1979, I have taught courses with Gerry, I have cosupervised students with him, and I have conducted research with him. Since I first met Gerry, I have learned many things from the master. One of these was to learn the names of most of the students in the class. Gerry was very adept at this and used his observational skills to great advantage. The strategy worked and, by the second week of the semester, the students were convinced that we knew all their names and that they could no longer hide in the anonymity of the crowd

We have lost a dear friend, a very supportive mentor and colleague, a dedicated scientist, a husband, a father, and grandfather. Let us celebrate his life in his contributions to the advancement of science. Long after we are gone, Gerry's ideas will live on in the scientific literature and minds of his scientific peers. He was a man amongst men, we shall not see his like again.

- Keith Solomon, Professor Emeritus, School of Environmental Sciences, University of Guelph

Anyone interested in making a donation can make one to:

Gerald R. Stephenson Scholarship fund Alumni Affairs and Development University of Guelph 50 Stone Road East Guelph, ON 2W

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BULLETIN OF THE ENTOMOLOGICAL SOCIETY OF CANADA BULLETIN DE LA SOCIÉTÉ D'ENTOMOLOGIE DU CANADA

Information from ENTOMOLOGICAL SOCIETY OF CANADA is provided to us a part of increasing collaboration with other societies that work in similar fields. The Bulletins are found at http://esc-sec.ca/publications/bulletin/#toggle-id-3. Listed below are the contents of the most recent bulletins.

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Thank you to our 2017 Meeting Platinum sponsors (Click on logos to get to their websites):



Thank you to our 2017 Meeting Gold sponsors:







Thank you to our 2017 Meeting Silver membership:

Arysta LifeScience Corporation	AgQuest	
<u>Valent</u>	Agricultural Institute of Canada (AIC)	



Upcoming Meetings		
November 20-24, 2017	CWSS-SCM Annual Meeting will be held at the Radisson in Saskatoon, SK	
December 4 - 7, 2017	North Central Weed Science Society (NCWSS), St. Louis, MO: Hyatt Regency St. Louis at the Arch	
January 8 –12, 2018	Northeastern Weed Science Society (NEWSS) Hilton Philadelphia at Penn's Landing, Philadelphia, PA	
January 21-24, 2018	Southern Weed Science Society (SWSS), Hyatt Regency Hotel in Atlanta, GA	
January 25 to February 3 2018	Weed Science Society of America Annual Meeting, Arlington, VA at the Crystal Gateway Marriott	
November 17-22, 2018	CWSS-SCM Annual Meeting at the Marriott on the Falls, Niagara Falls, Ontario	
November 2019	CWSS-SCM Annual Meeting at in Kelowna BC	

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 (Login to Facebook required) and CWSS-SCM Twitter. We post timely information on abstract submissions, job postings and other information on these sites.

Articles for Newsletter

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

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