



# Canadian Weed Science Society

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## Société canadienne de malherbologie

Newsletter

Summer 2017

### Message from the President Linda Hall

Inside this issue:  
Check page 2 for the  
index of this newsletter

### Roots

Happy field season everyone. I hope that growing conditions are ever in your favor and the wind is always 15 km hour<sup>-1</sup>.

I was entrusted with the CWSS-SCM Presidential Bell and Gavel last November, and after a brief thought of “where is this going to fit in my suitcase”, it has been sitting on a shelf in my office.

I had a second look at both items this spring and, in the spirit of investigative journalism, I am offering this summer story.

On the CWSS-SCM gavel is engraved: ***In memory of Dr. T.K. Pavlychenko, Pioneer Weed Scientist***

I have a very clear memory of entering the old Crop Science Building (not the new shiny one) at the University of Saskatchewan as a PhD student to see large, dusty, glass-fronted mounts of grass roots on the wall of my classroom. They were hard to miss, and in my mind’s eye they were almost as tall as me (150 cm) and 50 cm wide and deep.

It was from Ian Morrison (Weed Sci-



entist, University of Manitoba and former Dean of Agriculture, University of Alberta) that I first heard the name Pavlychenko. Ian was fascinated by weed roots and always managed to bring Pavlychenko into any conversation on weed competition or identification. So, who was this guy with the very hard to spell name? I have recreated his CV (extracted in part from <http://canada150.usask.ca/research/pavlychenko--crested-wheat.php> but these facts do not convey his passion or the extraordinary times in which he lived.

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**

Pavlychenko developed a method to extract whole root systems of weeds and crops in a block of soil and, by carefully washing them, reveal and measure the extent of the root system. He reported that the roots of wild oat, wheat, rye and barley were, after 80 days growth in the field on a six-inch row spacing, 388.8, 259.1, 337.5 and 405.5 meters long, respectively. This was where those root mounts in my classroom came from! The labor to dig and lift intact blocks of soil is amazing, and the tedious washing and measure of roots is well beyond my imagination. Steve Shirtliffe, University of Saskatchewan, put a silent film of the methods on YouTube that is well worth watching ([https://www.youtube.com/watch?v=T\\_Vx3hWJVpc](https://www.youtube.com/watch?v=T_Vx3hWJVpc)).

Pavlychenko studied competition between grass weeds and crops by measuring and comparing root mass and length throughout the growing season. He developed a deep understand of the differences between grasses and crops: "Each weed and each species of crop has its own merits of competitive adaptation and its own reactions towards its rivals".

His first chemical weed control paper was published in 1937 where he investigated "sodium chlorate; barium chlorate, arsenic pentoxide, ammonium thiocyanate and sodium arsenite" for control of quack grass.

Pavlychenko reported that "observations made within a month or two of treatment may lead to erroneous conclusions, since some of the slow-killing chemicals have the greatest permanent effect". It would be a few years later in his career, while working for The American Chemical Paint Company, that the first modern herbicides, the auxinics, were discovered and released.

Pavlychenko certainly merits his place on the gavel as a weed science pioneer. He passed away sixty years ago in 1957 at age 66.

Linda Hall, President, CWSS-SCM

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

## Thomas Karp Pavlychenko

- Citizenship:** Ukraine (Born 1892)  
Immigrated to Canada 1927
- Education:** Pedagogical Institute, the College of Agriculture Kamenetz-Podolsky  
University of Prague, Czechoslovakia  
B.S.A. and M.Sc. in Agriculture, University of Saskatchewan (1932)  
PhD, University of Nebraska, (1940)
- Work History:** 1930-1937 Weed research assistant for the National Research Council, U of S experimental nursery  
1938-1948 Head, Department of Plant Ecology, University of Saskatchewan  
1948 Research Scientist, American Chemical Paint Company.

**Graduate student:** [David W. Staniforth](#) (a fine weed scientist in his own right)

### Refereed papers

- Pavlychenko, T. K., and J. B. Harrington. "Competitive efficiency of weeds and cereal crops." *Canadian Journal of Research* 10.1 (1934): 77-94.
- Pavlychenko, T. K. "Qualitative Study of the Entire Root Systems of Weed and Crop Plant under Field Conditions." *Ecology* 18.1 (1937): 62-79.
- Pavlychenko, T. K., and J. B. Harrington. "Root Development of Weeds and Crops in Competition Under Dry Farming 1." *Scientific Agriculture* 16.3 (1935): 151-160.
- Pavlychenko, T. K. "The soil-block washing method in quantitative root study." *Canadian Journal of Research* 15.2 (1937): 33-57.
- Pavlychenko, Thomas Karp. "Root systems of certain forage crops in relation to the management of agricultural soils." (1942).
- Kirk, L. E., and T. K. Pavlychenko. "Vegetative propagation of wild oats, *Avena fatua*, and other economically important species of Aveneae and Hordeae." *Canadian Journal of Research* 7.2 (1932): 204-220.
- Pavlychenko, T. K. "Investigations relating to weed control in Western Canada." *Imp. Bur. Pastures. Bull.* 27 (1940): 9-26.
- Pavlychenko, T. K., L. E. Kirk, and W. Kossar. "Eradication of perennial weeds by the shallow cultivation method." *Univ. Saskatchewan Agric, Ext. Bull.* 100 (1940).
- Pavlychenko, T. K. "The Place of Crested Wheat Grass, *Agropyron Cristatum*, L. In Controlling Perennial Weeds 1." *Scientific Agriculture* 22.7 (1942): 459-460.
- Cook, W. H., et al. "Chemical weed killers:III. Relative toxicity of several chemicals to perennials under field conditions." *Canadian Journal of Research* 15.9 (1937): 442-449.

## **Thomas Karp Pavlychenko** *continued*

**Additional Interests:** poet, linguist, leading figure in the Canadian Ukrainian community.



A plant has been uprooted and is being washed. Dr. Pavlychenko pioneered the technique of washing soil from roots without injuring them.

## **JOIN OUR SOCIETY**

If you have not paid your membership dues for 2017, you can now do so online. If you attended our Edmonton meeting, your fees for 2017 were 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> .

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

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 [our membership form](#).

## **2018 CWSS-SCM Plenary Session**

### **Revolutionizing Weed Science with New Technologies**



**Dr. Jesper Rasmussen**

Dr. Jesper Rasmussen is an Associate Professor with the Department of Plant and Environmental Sciences at the University of Copenhagen in Copenhagen, Denmark. Jesper has worked with research and teaching at the university level since 1982 within a number of subjects related to arable farming with special emphasis on organic agriculture. Dr. Rasmussen is well recognized for his research on mechanical weed control. He is trained as a weed scientist but also works on conservation tillage, grasslands, and cultivars adapted to organic agriculture. In 2013, he initiated work on UAV imagery with focus on site-specific weed management and phenotyping. In 2016, his research team were able to implement pre-harvest control of perennial weeds in cereals based on maps generated from UAV images. Jesper's main approach to UAV imaging is that farmers should capture images locally and that all work operations from mission planning to the generation of the application map should be done within 3-6 minutes per hectare to make UAV imagery cost-effective.



**Kristina Polziehn**

Kristina Polziehn from Sturgeon County, Alberta, recently named a 2017 Canadian Nuffield Scholar, holds a Master of Science Degree from University of Alberta with a background in plant science and agronomy. She is a Professional Agrologist (P.Ag) and Certified Crop Advisor in Alberta as well as serves as a board member for the Alberta Institute of Agrologists and Canadian Weed Science Society. She is an independent agronomist with grain producers in northern Alberta. She began her company, Axiom Agronomy Ltd., in 2014 providing crop consulting, soil sampling and prescription nutrient mapping. She also serves as a dealer for AgPixel® in Alberta, assisting customers in acquiring, processing, and analyzing aerial agricultural data from unmanned aerial vehicles (UAV) and manned aircraft systems.

Two additional speakers will be part of the Plenary Session. These will be speakers from the industry and will be from Bayer and BASF .

# Tentative Schedule for 2017 CWSS-SCM Meeting

**\*\*Times are all subject to change\*\***

<b>Sunday, November 20, 2017</b>		
Start Time	End Time	Topic/Event
13:00	16:00	CWSS-SCM Board Strategic Planning Mtg.
<b>Monday, November 21, 2017</b>		
Start Time	End Time	Topic/Event
7:00	9:00	Breakfast for CWSS Board Meeting
9:00	17:00	CWSS Board Meeting
12:00	13:00	Lunch for CWSS Board Meeting
13:00	17:00	Optional Tour - TBA
13:00	20:00	Registration
9:00	20:00	Exhibits and Poster Set Up
17:00	18:00	Board Member/Grad Student Meet & Greet
18:00	21:00	General Meet & Greet
19:00	21:00	President's Dinner
<b>Tuesday, November 22, 2017</b>		
Start Time	End Time	Topic/Event
7:00	17:00	Registration
7:00	17:00	Exhibit and Poster Viewing
7:55	8:15	Opening Remarks and President's Address
8:15	10:00	Graduate Student Presentations (7 x 15 minutes)
10:00	10:15	AM Break
10:15	12:00	Graduate Student Presentations (7 x 15 minutes)
12:00	13:00	Lunch
13:00	15:15	Graduate Student Presentations (6 x 15 minutes)
14:30	15:00	PM Break
15:00	17:30	Concurrent Program Section 1A
15:00	17:30	Concurrent Program Section 1B

15:00	17:30	Concurrent Program Section 1C
18:15	19:45	Optional Dine-arounds
<b>Wednesday, November 23, 2017</b>		
Start Time	End Time	Topic/Event
6:45	8:00	2017 and 2018 LAC Breakfast
7:00	18:00	Registration
7:00	8:00	Poster Viewing with Authors Present
7:55	10:00	Plenary Session
10:00	10:20	AM Break
10:20	12:00	Plenary Session
12:00	13:00	Lunch
13:00	15:00	Concurrent Plenary Breakout 1A
13:00	15:00	Concurrent Plenary Breakout 1B
15:00	15:20	PM Break
15:20	17:00	Concurrent Plenary Breakout 1A
15:20	17:00	Concurrent Plenary Breakout 1B
18:00	20:00	CropLife Industry Reception
20:00	22:00	CWSS-SCM Awards Dinner
<b>Thursday November 24, 2017</b>		
Start Time	End Time	Topic/Event
7:00	9:00	CWSS-SCM Annual Business Meeting
9:00	10:30	Concurrent Program Section 2A
9:00	10:30	Concurrent Program Section 2B
10:30	10:50	AM Break
10:50	12:00	Concurrent Program Section 2A
10:50	12:00	Concurrent Program Section 2B
12:30	1:30	Board Lunch
1:30	17:30	Board Meeting

## CWSS-SCM 2017 Local Arrangements Committee

### LAC Chair: Bryce Geisel

Frances Boddy—CWSS-SCM Executive Treasurer

Shaun Campbell—Local Sponsorship

Said Darras—Poster contest

Anita Drabyk—Registration

Aaron Gerein—Local Sponsorship

Paul Happ—Photo Contest

Eric Johnson—Local Arrangements Advisor

Megan Krone—Photo Contest

Mitch Long—Graduate Student Presentations

Eric Page—First Vice President (LAC Oversight)

Colleen Redlick—National Sponsorship

Lori Reichert—Pre-conference Event

Mike Steckler—CEU Credits

Breanne Tidemann—Grad Student Rep

Eric Tozzi – A/V

Greg Wilson—National Sponsorship

## CWSS-SCM 2017 Saskatoon Photo Contest

Start collecting photos for the Saskatoon Photo Contest. The objective of our photo contest is to encourage CWSS-SCM members to hone their photographic skills and to make excellent weed and weed management images available for use by CWSS-SCM members and in CWSS-SCM publications.

The three best photos submitted in each of three categories will be recognized. The winning photos will be selected by a panel of judges selected by the Photo Contest Co-ordinator. For more information on submission of Photo Contest entries, see the Photo Contest section of the Annual Meeting notice on the CWSS-SCM webpage.

The photo categories for 2017 (for the Saskatoon meeting—2017 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, 2017:** Send photos to [assistant@cwss-scm.ca](mailto:assistant@cwss-scm.ca) or upload them to the meeting registration site. (The latter will be ready when fees and program are finalized.)

Prizes: 1st - \$100, 2nd - \$50, 3rd - \$25 in each of three categories. There will also be a People's Choice Award.

## More 2017 Saskatoon Meeting Notes

### First Day

- ◇ President's welcome
- ◇ Student presentations (am)
- ◇ Concurrent Sessions (pm)
- ◇ Student training (pm)

### Plenary Session: Revolutionizing Weed Science with New Technologies

- Plenary session will be second day of the conference
- Plenary Morning is set with Jesper Rasmussen, Kristina Pol-

ziehn, speaker from Bayer and speaker BASF

- Afternoon will have 2 breakout rooms with repeating sessions
- Room 1 will be on Status of Herbicide Resistance
  - Speaker 1 by Breanne Tidemann on Seed Destruction
  - Speaker 2 from Dow on Survey of Canadian Resistance
  - Speaker 3 Auxin Resistance
- Booths to walk through as well

• Room 2 will be on Technology in Weed Science

- Speaker 1 on nozzle technology
- Speaker 2 on drones in research
- Speaker 3 Drones in aerial application
- Booths to walk through as well
  - Sprayer boom
  - Drone research
  - Nozzle company

## Historical Photos



Photos of my grandfather pitching hay in 1940s, my mother driving the old cub tractor, which is still in running order, in 1940s and my Dad's brother's horses in the 1940s.

- Anita Drabyk



## 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**.





## Global Herbicide Resistance Challenge

### GLOBAL HERBICIDE RESISTANCE CHALLENGE

Denver, Colorado, USA  
May 14-18, 2017

The Global Herbicide Resistance Challenge meeting was held in Denver last

month. Many CWSS-SCM members were in attendance.

The Scientific Program Committee developed a [program](#) to bring together academic and industry weed researchers, land managers, policy makers, and communication experts.

**Monday, May 15, 2017**—GHRC Scientific General Session.

**Tuesday, May 16**—concurrent [interactive workshops](#).

**Wednesday, May 17**—focus on the future of managing herbicide resistance.

**Thursday, May 18**—management-focused day with concurrent sessions including an HRAC Global-sponsored HPPD resistance workshop and a resistance management session and a GHRC wrap-up session.

A special symposium launched the “**Global Initiative for Harvest Weed Seed Control (HWSC)**.” This symposium is a coordinated approach to establishing the potential, evaluating the technologies, and implementing the practices needed for HWSC in cropping systems.

Please check out their website at <http://www.ghrc2017.org/home.html> for more information on the meeting. (All the summary material in this article came directly from their website.)

## Agriculture and Agri-Food Canada Open Houses

Agassiz Research and Development Centre Open House—July 22, 2017, Agassiz BC

Agriculture and Agri-Food Canada Open House on Prince Edward Island—August 5, 2017, 1200 Brackley Point Road, Harrington, Prince Edward Island

Harrow Research and Development Centre Open House- September 16, 2017, 2585 County Road 20 Harrow, Ontario

For more information check out: <http://www.agr.gc.ca/eng/news/events/?id=1281614162882>

### THE INVADER NEWSLETTER



Encourage your friends, enemies, contacts and co-workers to go to the AISC website ([www.abinvasives.ca](http://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.



<http://www.saskinvasives.ca/index.php>

<http://bcinvasives.ca/>



<http://invasivespeciesmanitoba.com/site/>

## **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>)



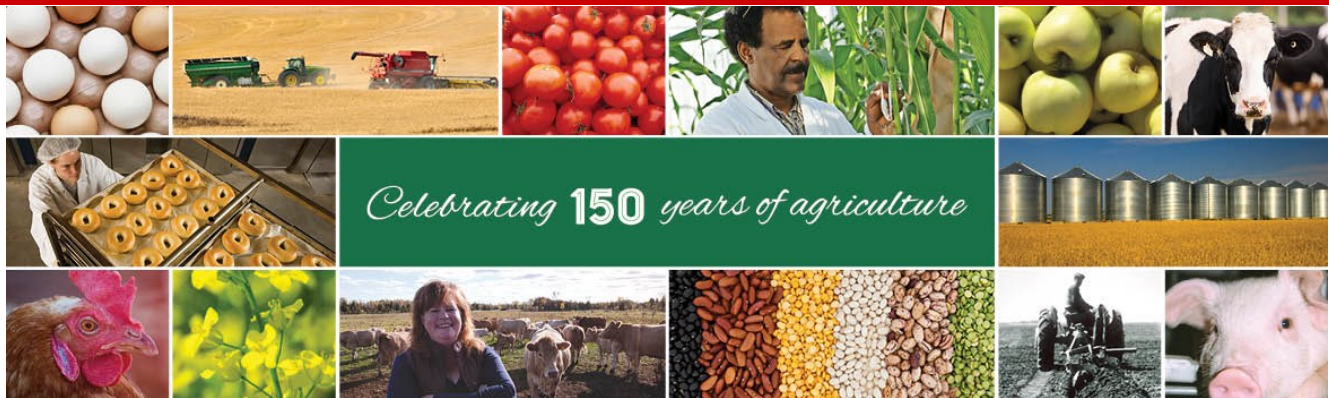
All photos are courtesy of the Radisson Hotel, Saskatoon.



### **CWSS-SCM Industry and Student Members!**

CWSS-SCM is looking to help bridge the gap between students finishing graduate degrees and companies looking to fill positions. In order to help students find positions and industries find the right person for jobs, CWSS-SCM will begin to send job opportunities to its student membership. If you are an industry member with a position to fill, simply send the job opportunity to Breanne Tidemann (Breanne.Tidemann@AGR.GC.CA), the current graduate student representative and she will ensure the student members receive notification of the opportunity. If you are a student member, keep an eye on your email inbox for upcoming job opportunities that may be of interest to you! If you have any questions, please contact Breanne at the address above.

## Agriculture 150 (Agriculture and Agri-Food Canada)



Check out some of our agricultural history by Agriculture and Agri-Food Canada on the page [Agriculture 150](#) . It features events, videos, photos, historical timeline and other information on our last 150 agriculture in Canada.

### **2017 CWSS-SCM Call for Applications for Scholarships and Nominations for Awards**

The 2017 Applications for Scholarships and Nominations for Awards for the CWSS-SCM are open:

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

Check out the website for more information:

<http://weedsociety.ca/scholarships-and-awards/>

### **Historical photo— Nova Scotia Tractor**

Of historical interest, here is a photo that was taken in Nova Scotia, but not sure of the date, 1930s (or maybe early 40s).

-contributed by Stephen Darbyshire



## 2017 Ontario Weed Science Short Course

The 2017 Ontario Weed Science Short Course will be held in London, Ontario at the Four Points by Sheraton from October 16 to 20, 2017. This is an intensive course on herbicide activity (mode-of-action, selectivity, efficacy, crop injury) and weed identification. The course will be offered by Drs. Peter Sikkema and Darren Robinson. Course cost is \$1500, which includes: registration, course materials, handouts, breakfasts, lunches and coffee breaks. For further information, please contact Peter Sikkema by phone (519-674-1500 x63603) or email ([psikkema@uoguelph.ca](mailto:psikkema@uoguelph.ca)).

## Maritime Wild Blueberry Field Day

Event: Maritime Wild Blueberry Field Day

Date: Saturday, July 15, 2017

Location: Doug Bragg Enterprises, 112 Bragg Road, Collingwood, NS.

For more information: contact WBPANS office at 902-662-3306 or [info@nswildblueberries.com](mailto:info@nswildblueberries.com)

## Canadian Science Publishing

If you are interested in receiving journal-related newsletters by email, you can sign up <http://cdnsciencepub.us11.list-manage.com/subscribe?u=3dbbb7edc0980303245831e0e&id=241d9ce737>. "Most are issued on a quarterly basis and include featured content, upcoming events, and news specific to your preferred journal(s) and their affiliated societies."

## 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."

Leading researchers will present on key issues faced by farmers, agronomists and crop protection researchers in meeting the challenges herbicide resistance poses to agricultural productivity in Canada.

Delegates will walk away with a clear understanding of specific actions they can take to help minimize the devastating impact of herbicide resistance in their fields."

Check out their website at <https://www.weedsummit.ca/>

## Plants from Sea to Sky





# Plants From Sea to Sky

A joint meeting of the Canadian Society of Plant Biologists and  
the Canadian Society for Horticultural Science - July 4-7, 2017



**University of British Columbia, Vancouver, Canada**

**Organizers:**  
Prof. Geoffrey Wasteneys (University of British Columbia)  
Prof. Karen Tanino (University of Saskatchewan)

**Symposium Topics**

- Cell biology and development
- Biochemistry
- Abiotic stress
- Biotic interactions: Microbiome
- Applied plant biology and global food security
- Biomechanics
- Nutrients and Metabolism
- Specialized metabolism (plant products)
- Education forum:
  - Cannabis in the classroom
- Special symposium:
  - in memory of Carl Douglas

**Plenary Speakers**

**Matthew Bracken (USA) UC Irvine:**  
'Top-down modification of bottom-up processes: nutrient recycling by consumers enhances algal growth in marine ecosystems'

**Siobhan Braybrook (UK) Sainsbury Laboratories, Cambridge**  
'Why gels matter: roles for pectin and alginate in development of walled organisms'

**Andrew Groover (USA) USDA/UC Davis:**  
'Embracing the complexity of nature – computational and genomic approaches for understanding the development and evolution of forest trees'

**Sabeeha Merchant (USA) UCLA:**  
'Elemental economy in Chlamydomonas'

**Elliot Meyerowitz (USA) Caltech:**  
'Mechanical and Chemical Signals in the Control of Arabidopsis Stem Cells'

**Sophia Stone (Canada) Dalhousie University:**  
(CD Nelson Lecture)  
'Ubiquitin proteasome system and plant response to environmental stress'

**Harry Klee (USA) University of Florida:**  
'Consumer-assisted selection: a roadmap to a better tomato'

**Yves Desjardins (Canada) Laval University:**  
'Horticulture Crop Nutrients and Polyphenols'

**Cara Haney (Canada) University of British Columbia:**  
'The plant microbiome at the intersection of metabolism and defense'

**Venue**

Vancouver is a vibrant city, located where the coastal mountains meet the salish sea. In early July, it is at its spectacular best, offering many cultural events and recreational activities.



Symposium at  
Forest Sciences Centre  
2424 Main Mall



Main hotel at  
Ponderosa commons  
2075 Lower Mall

**Contact**

Student and postdoctoral travel assistance is available from CSPB/SCBV and CSHS/SCSH (see website)  
Email: [geoffrey.wasteneys@ubc.ca](mailto:geoffrey.wasteneys@ubc.ca)  
Web: <http://plantsfromseatosky.botany.ubc.ca>  
Address: University of British Columbia, Department of Botany  
6270 University Blvd. Vancouver, BC Canada V6T 1Z4



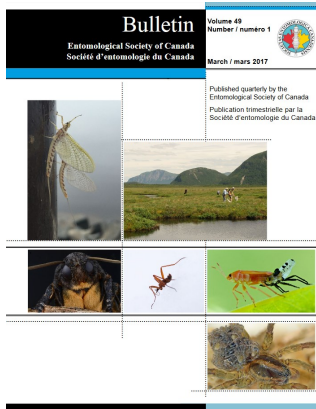
**THE UNIVERSITY  
OF BRITISH COLUMBIA**



# 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 Bulletin is found at [http://esc-sec.ca/bulletin/bulletin\\_june\\_2016.pdf](http://esc-sec.ca/bulletin/bulletin_june_2016.pdf) . Listed below are the contents of the most recent bulletins.

## Volume 49 Number / numéro 1 March / mars 2017



Up front / Avant-propos

Joint Annual Meeting 2017 / Reunion annuelle conjointe 2017

2016 ESC Award Recipient / Récipiendaire du prix SEC : The 2016 Bert and John Carr Award Recipient / Récipiendaire 2016 du prix Bert et John Carr

People in the news / Gens qui font les manchettes

STEP Corner / Le coin de la relève

Special Feature / Article spécial

AAFC appoints the next generation of entomologists (Tara Garipey and Peter Mason).....12

In memory / En souvenir de Ásgeir Jónas Thorsteinson (Terry D. Galloway and Olivia Julian Thorsteinson)

Dr Thelma Finlayson (Gail S. Anderson)

Christopher Frederick Hinks (Cedric Gillott and Owen Olfert)

### Book Reviews / Critiques de livres

*Eucosma* Hübner of the Contiguous United States and Canada (Lepidoptera: Tortricidae: Eucosmini). By D.J. Wright & D.J. & T.M. Gilligan. (Jason J. Dombroskie)

The Book of Frogs: A Life-Size Guide to Six Hundred Species from around the World.

By T. Halliday (Christian H. Krupke)

A Handbook to the Ticks of Canada (Ixodida: Ixodidae, Argasidae). By Evert E. Lindquist, Terry D. Galloway, Harvey Artsob, L. Robbin Lindsay, Michael Drebot, Heidi Wood, and Richard G. Robbins (Janet Sperling)

Clé d'identification des principales familles d'insectes d'Europe. By Jacques Mignon, Eric Haubruge and Frédéric Francis (Julien Saguez)

Bark Beetles: Biology and Ecology of Native and Invasive Species. Edited by F.E. Vega and R.W. Hofstetter (Kathleen Ryan)

### Books available for review / Livres disponibles pour critique

Society business / Affaires de la Société

Nominations for ESC Board of Directors / Nominations pour le Conseil d'administration de la SEC

Call for interest for the position of Editor-in-Chief / Avis à manifestation d'intérêt pour le poste de rédacteur scientifique :

The Canadian Entomologist

Thirteenth Annual Photo Contest / Treizième concours annuel de photographie

New ESC Science Policy Committee and its mandate / nouveau comité de la politique

scientifique de la SEC et son mandat  
Content of newsletters published by the Canadian Phytopathological Society / Contenu des bulletins publiés par la Société canadienne de phytopathologie

Meeting Announcements / Réunions futures

Officers of affiliated societies / Dirigeants des sociétés associées

The last word / Le dernier mot

Governing board / Conseil d'administration

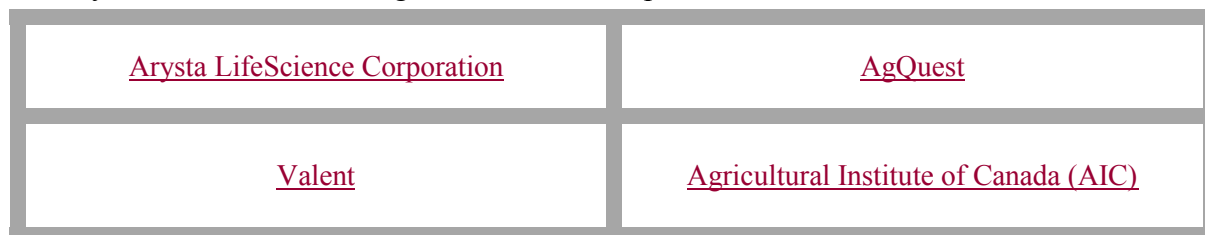
Thank you to our 2016 Meeting Platinum sponsors (Click on logos to get to their websites):



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### Upcoming Meetings

July 4-7, 2017	<u>Plants from Sea to Sky</u> : joint annual conference of the Canadian Society for Horticultural Science and the Canadian Society of Plant Biologists, Vancouver
July 16-19, 2017	<u>Aquatic Plant Management Society</u> (APMS), Daytona Beach, FL
September 19-22, 2017	<u>26th Asian Pacific Weed Science Society Conference “Weed Science for People, Agriculture, and Nature”</u> , Kyoto, Japan
November 20-24, 2017	<u>CWSS-SCM Annual Meeting</u> will be held at the Radisson in Saskatoon, SK
December 4 - 7, 2017	<u>North Central Weed Science Society</u> (NCWSS), St. Louis, MO: Hyatt Regency St. Louis at the Arch
TBA 2018	<u>Northeastern Weed Science Society</u> (NEWSS)
January 21-24, 2018	<u>Southern Weed Science Society</u> (SWSS), Hyatt Regency Hotel in Atlanta, GA
January 25 to February 3 2018	<u>Weed Science Society of America</u> 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

### 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](http://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.

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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.

### 2016 CWSS-SCM Board of Directors

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