



## PRESIDENT'S MESSAGE

It is now September. The days are getting shorter, nights are cooling off more, and crop harvest is underway. The calendar indicates that the year is drawing to a close. However, as the child of teachers and after many years in academia, September has always felt like the beginning of a New Year, rather than January. New school supplies, new classes, and a chance to see friends again after the long summer break were far more exciting to me than anything that might happen on December 31/January 1 – and still are to some extent.

However, despite my personal feeling that the year is just beginning, my term as CSSS President follows the traditional calendar from January to December and is drawing to a close, along with the International Year of Soils (IYS). I would like to thank everyone who has helped to make this year a success. This includes the CSSS Council members, Steve Sheppard and Barbara Sanipelli at the CSSS business office in Manitoba, Joann Whalen for leading the organizing committee for the joint CSSS-AQSSS-ISMOM meeting in Montreal. It was an excellent opportunity to merge our annual meeting with an international meeting, especially for the many CSSS student members in attendance. I would also like to thank the CSSS IYS group (Gerry Neilsen, Scott Smith, Jacynthe Masse, Anya Reid, Alison Murata, Valerie Miller and Nathan Scaiff) for organizing the Soil Movie Night during the conference and for making the calendar you are all receiving with this newsletter. Additional calendars will be available for purchase through the CSSS business office – see the CSSS website for more information. And thank you to all the CSSS members who have celebrated IYS in some way this year. Don't forget to celebrate World Soils Day on December 5, and I hope to see you all in Kamloops, BC, in May for the next CSSS Annual Meeting.

*Barbara Cade-Menun*  
*CSSS President*

**President**

Barbara Cade-Menun  
Agriculture and Agr-Food Canada  
Box 1030, Gate 3, Airport Road  
Swift Current, SK S9H 3X2  
Ph: 306-778-7245  
Email: barbara.cade-menum@agr.gc.ca

**Past President**

David L. Burton  
Dalhousie University  
P.O. Box 550  
Truro, NS B2N 5E3  
Ph: 902-893-6250  
Email: dburton@dal.ca

**President-Elect**

Maja Krzic  
University of British Columbia  
2357 Main Mall  
Vancouver, BC V6T 1Z4  
Ph: 604-822-0252  
Email: maja.krzic@ubc.ca

**Secretary**

Amanda Diochon  
Lakehead University  
955 Oliver Rd  
Thunder Bay, ON P7B5E1  
Ph: 807-343-8444  
Email: adiochon@lakeheadu.ca

**Treasurer**

Kent Watson  
Thompson Rivers University  
426 Azure Place  
Kamloops, BC V2E 2R1  
Ph: 250 371 5578  
Email: kwatson@tru.ca

**Eastern Councillor**

Nathan Basilko  
Laurentian University  
Sudbury, ON P3E2C6  
Ph: 705-675-1151  
Email: nbasiliko@laurentian.ca

**Western Councillor**

Bobbi Helgason  
Agriculture and Agri-Food Canada  
107 Science Place  
Saskatoon, SK S7N 0X2  
Ph: 306-975-6510  
Email: bobbi.helgason@agr.gc.ca

**Graduate Student Representative**

Carolyn Wilson  
Dalhousie University  
P.O. Box 550  
Truro, NS B2N 5E3  
Ph: 506-524-2176  
Email: cr829263@dal.ca

**CJSS Editor**

Francis Zvomuya  
University of Manitoba  
362 Ellis Building  
Winnipeg, MB R3T 2N2  
Ph: 204-474-9932  
Email: zvomuyaf@cc.umanitoba.ca

**2015 C.F. Bentley Award for Oral Presentation**

This Award was initiated in 1983 to encourage and recognize excellence in oral presentations by students at the CSSS Annual Meetings. It honours Dr. Fred Bentley who was CSSS President in 1956-57 and inducted as a CSSS Fellow in 1973. The Award winner receives \$500, the first runner-up \$300, and the second runner-up \$200.

- 1<sup>st</sup> Place: Adam Gorgolewski (University of Toronto)
- 2<sup>nd</sup> Place: Robin Brown (University of Saskatchewan)
- 3<sup>rd</sup> Place: Martine Fugère (Université de Sherbrooke)

**2015 President's Award for Poster Presentation**

This award was established in 1992 to foster excellence in student poster presentations as a means of disseminating research results at the CSSS Annual Meetings. The President's Award is: \$500 for the winner, \$300 for the first runner-up and \$200 for the second runner-up.

- 1<sup>st</sup> Place: Savitoz Sidhu (McGill University)
- 2<sup>nd</sup> Place: David Grewer (University of Toronto at Scarborough)
- 3<sup>rd</sup> Place: Jacynthe Mase (University of British Columbia) & Gurpreet Aulakh (Laurentian University)

**2015 CSSS Student Travel Awards**

This award was established in 1991 to promote student attendance at the CSSS Annual Meetings and is available to any CSSS member graduate student. The award is \$600 and a maximum of 12 travel grants will be awarded.

|                         |                                |       |
|-------------------------|--------------------------------|-------|
| Katarina Neufeld        | University of British Columbia | M.Sc. |
| Robin Brown             | University of Saskatchewan     | M.Sc. |
| Mark Baah-Acheamfour    | University of Alberta          | Ph.D. |
| Jin-Hyeob Kwak          | University of Alberta          | Ph.D. |
| Adriana Navarro-Borrell | University of Saskatchewan     | Ph.D. |
| Shayeb Shahariar        | University of Saskatchewan     | Ph.D. |
| Blake Weiseth           | University of Saskatchewan     | M.Sc. |
| Mayowa Adelekun         | University of Manitoba         | Ph.D. |
| Kumudu Jayarathne       | University of Winnipeg         | M.Sc. |
| Peter Nowell            | University of Guelph           | M.Sc. |
| David Grewer            | University of Toronto          | Ph.D. |
| Michael Carson          | Laurentian University          | Ph.D. |



*CSSS President Elect (M. Krzic) and President (B. Cade-Menun) with the 2015 CSSS Oral Presentation, Poster Presentation, and Travel Award recipients at the annual meeting*

## 2015 CSSS Student Book Awards

This award recognizes undergraduates at Canadian universities who demonstrate excellence in Soil Science. Candidates are nominated by their academic department.

|                    |   |
|--------------------|---|
| Melanie Sylvestre  | University of British Columbia          |
| Charles Bradshaw   | University of Northern British Columbia |
| Jennifer Nguyen    | University of Alberta                   |
| Jessica Nguyen     | University of Alberta                   |
| Tracy Jolee Fehr   | University of Saskatchewan              |
| Davis Wright       | University of Manitoba                  |
| Gabrielle Nichols  | University of Guelph                    |
| Jonathan Delisle   | McGill University                       |
| Shayna Dzilums     | Laurentian University                   |
| Gabriel Collin     | Université Laval                        |
| Catherine Tremblay | Université du Québec à Chicoutimi       |
| Sawyer Olmstead    | Dalhousie University                    |

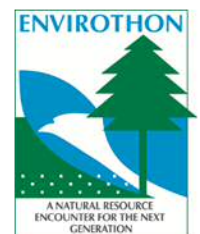
## Envirothon and the CSSS– how to get involved

Envirothon is an environmental challenge where high school students compete at regional, provincial/state and North American levels in core subject areas: 1) SOILS AND LAND-USE, 2) forestry, 3) aquatic ecology, 4) wildlife, and 5) annually-changing current environmental issue. About 500,000 students from 45 US states and 9 Canadian provinces/territories participate in the competition each year. Soils expertise is often needed; hence, CSSS members are encouraged to contact provincial/territorial Envirothon coordinators to obtain contacts for their particular region (<http://www.envirothon.org/component/mtree/state-a-provincial-representatives.html>).

From July 24 to 29, 2016 top teams of students from over 50 states, territories and provinces will compete in the North American Envirothon Competition at Trent University, Peterborough, Ontario (<http://www.ontarioenvirothon.on.ca/index.php/2016competition>). The 2016 Current Issue will be Invasive Species: A Challenge to the Environment, Economy and Society. The event is being organized by Forests Ontario and the CSSS is sponsoring the Soils and Land Use testing station. The sponsorship will give high profile to the CSSS with our logo being displayed on the web, banners, programs and t-shirts. In addition, CSSS members will have the opportunity to work with Forests Ontario's staff on creating new soil science educational resource (lesson plans, activity sheet, fact sheet) to help students prepare for Envirothon competitions. CSSS members will also be able to help out at the 2016 Envirothon Competition as volunteers as testing buddies, trail escorts, presentation supervisors, judges, workshop leaders and chaperones.

If you are interested in volunteering at the competition please contact Allison Hands, Education Coordinator, Forests Ontario ([ahands@forestsontario.ca](mailto:ahands@forestsontario.ca)). Please note that list of volunteers for the competition will need to be finalized by early March 2016.

The CSSS members interested in participating in development of educational resources will have to act even sooner, by contacting Maja Krzic ([maja.krzic@ubc.ca](mailto:maja.krzic@ubc.ca)) by September 30, 2015.



## Soil Interfaces for Sustainable Development 5<sup>th</sup> – 10<sup>th</sup> July, 2015 McGill University, Montreal

In celebration of the International Year of Soil, we organized “Soil Interfaces for Sustainable Development”, a joint conference of three soil science societies:

- Commission 2.5 of the International Union of Soil Sciences, which holds an international symposia once every four years called “Interactions of Soil Minerals with Organic Components and Microorganisms (ISMOM)”
- Canadian Society of Soil Science
- Association québécoise des spécialistes en sciences du sol

The conference theme was emphasized by Dr. John Duxbury of Cornell University, who gave the plenary address on “Changing concepts of organo-mineral interactions in soils: Impacts on soil properties and sustainable development”. He pointed out that our classic view of soil humic substances has evolved to include a much wider range of organic compounds and mineral phases, and dynamic interactions between soil fauna, microbes, plants and soil. He challenged the audience to consider how the emerging knowledge and new approaches to studying organo-mineral interactions be used to help meet demands for food production and security in an era of climate change, particularly in the tropical developing countries where most of the future growth in population will occur.

With more than 375 attendees from Canada and 25 other countries, the conference was an opportunity for CSSS members to showcase their work and network with scientists from the international milieu. Nearly 400 abstracts describing the state-of-the-art in soil science research were given as posters and oral presentations in 16 scientific sessions over a 5-day period. The CSSS was highly visible during the Soil Interfaces for Sustainable Development conference as the sponsor for 8 scientific sessions and many other activities, including:

Compositional Data Analysis workshop to discuss methods for unbiased analysis of agronomic data, held on Sunday, July 5

Soil Movie Night, a film series celebrating the International Year of Soils and accompanied by a panel discussion, snacks and prizes on Monday, July 6

Trivia Night hosted by CSSS students at McKibbin’s Pub on Tuesday, July 7

Back to Basics: Creating Paint from Soil workshop, a hands-on experience in soil-inspired art led by artists Symeon van Donkelaar and Ken Van Rees on Thursday, July 9

Soil and Precision Agriculture field trip with visits to commercial farms and research sites in the Montreal area on Thursday, July 9

Student members of CSSS participated in the competitions for the best oral and poster presentation awards, which were given at the Gala Dinner on Wednesday, July 8. The prize winners are listed below.

The conference ended with a barbecue lunch and final words of farewell on Friday, July 10. It was a great event and an opportunity for CSSS members to keep in touch with colleagues and make new scientific friends who share our interest in soil science, from around the world.

**Joann Whalen, McGill U**

*(co-chair of the Soil Interfaces for Sustainable Development conference)*

## Update on the CSSS Soil Education Committee

The joint conference of the Canadian Society of Soil Science (CSSS), the Association Québécoise de Spécialistes en Sciences du Sol (AQSSS) and the Interactions of Soil Minerals with Organic Components and Microorganisms (ISMOM), held July 5-10, 2015 in Montreal, QC, was the opportunity for members of the CSSS Soil Education Committee to engage in various formal and informal discussions about soil science education in Canada. On July 8, 2015, the Committee held its annual meeting where updates were given on the Soil 4 Youth program, Envirothon, and survey of Canadian undergraduate soil science courses. In addition, ideas for the potential future activities were discussed. Highlights of the main discussion points are summarized below, while detailed meeting minutes can be found at <http://csss.ca/education-committee/>

Envirothon is an environmental challenge where high school students compete at regional, provincial/state and North American levels by demonstrating their knowledge of 5 core subject areas including soils and land use. 2016 North American Envirothon Competition will be held at Trent University, Peterborough, Ontario from July 24 to 29 (<http://www.ontarioenvirothon.on.ca/index.php/2016competition>). The CSSS is sponsoring the Soils and Land Use testing station and our members will have the opportunity to develop new soil science educational resource (lesson plans, activity sheet, fact sheet) to help students prepare for Envirothon competitions. For more information on this even please see article on Envirothon published in this Newsletter.

Since our previous meeting in Banff, AB, a working group led by Amanda Dichon (Lakehead University), has surveyed Canadian universities and colleges that offer Soil Science courses. The group is currently preparing a manuscript (to be submitted to the Canadian Journal of Soil Science) that will outline findings of this survey. In addition, in November 2015, Amanda will give a presentation at the Soil Science Society of America conference in Minneapolis, MN.

Most of the discussion on future initiatives focused on summer school/training courses in pedology and land-uses that would serve both students and professionals seeking to upgrade their skills. A working group (David Kroetsch, Agriculture and Agri-Food Canada, Jacynthe Masse, University of British Columbia, and Gordon Price, Dalhousie University) will explore possibilities of how to move forward this initiative. Dan Pennock (University of Saskatchewan), brought up an additional idea for future initiative that could be potentially be carried out in collaboration with the CSSS Pedology Committee. Dan volunteered to lead a working group that would write an introduction to soil science textbook based on Canadian land-use examples and classification system. The suggested book would be published as an open or e-book.

*Maja Krzic, UBC*

## Soil Pigment Workshop

### *At the Canadian Society Soil Science Meeting Montreal 2015*

As part of the celebrations for the 2015 International Year of Soils, Ken Van Rees (U of S) and Symeon van Donkelaar (artist, Conestogo) held a workshop at the CSSS annual meeting in Montreal to create pigments from soil. The local color for the workshop had been collected from a Podzol soil near Trois-Rivières and the nine participants spent the morning learning how to process and grind the soils into pigments to a particle size similar to clay. In the afternoon the participants hiked up to Mont Royal and spent the afternoon using the pigments to paint the surrounding landscapes. In order to apply the pigments to paper they used the traditional technique of egg yolk as the binder replicating the process of the renaissance painters. The workshop was a great success as seen by the participant's works at the end of the day!

*Ken VanRees, University of Saskatchewan*



*Workshop participants led by Dr. VanRees (left) and samples of soil pigments (right).*

## Canadian Journal of Soil Science Editor-in-Chief's Report

I will start by expressing our appreciation of retiring members of the Canadian Journal of Soil Science (CJSS) Editorial Board for their dedicated work to the journal. Dr. Martin Chantigny served as Editor from 2012 to 2014 and was Editor-in-Chief in 2014. Prior to that, he served a 3-year term (2008-2011) as Associate Editor. Thank you Martin for the excellent leadership that has contributed immensely to the growing success of our journal! We acknowledge the commitment of Dr. Marie Boehm, who served as Special Issues Editor from 2012 to 2014. We are deeply indebted to the following retiring Associate Editors for their priceless contribution to the success of our journal: Dr. Claudia Wagner-Riddle, Dr. Myrna Simpson, Dr. Bing Si, Dr. Steve Siciliano, Dr. Newton Lupwayi, Dr. Nicolas Belanger and Dr. Richard Engel. During the tenure of our retiring members, we saw the CJSS Impact Factor increase from 1.00 in 2013 to 1.382 in 2014, clearly an indication of their hard work and leadership roles and those of their peers who are either still serving on the Editorial Board or retired before them.

We have continued with the three-editor Editorial Board structure introduced by Dr. Craig Drury in 2012, with Dr. Xueming Yang (Agriculture and Agri-Food Canada (AAFC), Harrow, ON), Dr. Newton Lupwayi (AAFC, Lethbridge, AB), and me as the regular issue editors. I am serving as Editor-in-Chief for 2015; Drs. Yang and Lupwayi will be Editors-in-Chief in 2016 and 2017, respectively. In addition to welcoming Dr. Lupwayi as one of the three editors, we also welcomed Dr. Scott Chang (University of Alberta) as the new Special Issues Editor.

We greatly appreciate our team of Associate Editors (see list below) for their dedicated service to the CJSS. This year, we welcomed five new Associate Editors: Asim Biswas (McGill University), Dr. Aimé-Jean Messiga (Trent University), Dr. Mehdi Sharifi (Trent University), Dr. Andy VanderZaag (AAFC, Ottawa), and Dr. Bernie Zebarth (AAFC, Fredericton).

Tim Fenton and Laurie Scott at the Journal Office have been amazing as always in their contribution to the success of our journal. We thank them for managing the editorial process with such great efficiency.

### Journal Status

We received 117 original manuscripts in 2014, 107 of which were full papers, 6 short communications, 2 special issue papers, and 2 reviews. Of these, 113 have received final decisions as of August 25, 2015, 26% of which have been accepted, 63% rejected and 12% withdrawn. Of the total submissions, 32% originated from Canada and 31% originated from China, while the rest were submitted from 16 other countries (Botswana, Democratic Republic of Congo, Czech Republic, Egypt, France, India, Iran, Malaysia, Nepal, Nigeria, Pakistan, Russia, Saudi Arabia, Turkey, and the United States). At 68%, submissions from outside Canada in 2014 were higher than those in 2013 (63%). The proportion of manuscripts submitted from abroad has been steadily increasing in the last six years, with China as the major contributor. However, most of these have been rejected, with just 3% of submissions from China and 5% from the other 16 countries accepted in 2014. By comparison, 72% of papers originating from Canada in 2014 have so far been accepted.

Fifty one of the manuscripts submitted in 2014 have so far been published. Of these, 16 were published in the Special Issue: *Scientific and Practical Benefits of Long-Term Field Studies*.

The weighted average time for authors of regular papers to be first contacted about the status of their paper that would ultimately be accepted was 106 days in 2014, which was higher than the 73 days for papers submitted in 2013 and the 72 days in 2012. Authors of papers that would ultimately be rejected were first contacted within 46 days in 2014, which was similar to 2013 (43 days) and 2012 (44 days). The average time to reach a

## Canadian Journal of Soil Science Editor-in-Chief's Report (cont'd)

final decision in 2014 was 205 days for accepted papers and 51 days for rejected papers, compared with 180 days for accepted and 51 days for rejected papers in 2013. Thus, the turnaround times for accepted papers have slightly increased compared to 2013. The longer times reflect the large number of papers which were returned to authors for revision prior to Associate Editor assignment; many of the revised manuscripts were uploaded using the original manuscript ID after a long delay, which skewed the turnaround statistics.

As of August 25, we have received 82 submissions in 2015, which include 65 regular issue papers, 12 special issue papers, 3 short communication papers, one review paper (rejected), and one letter to the Editor (rejected). Twenty seven of the submissions originated from Canada, 14 from China, and the rest from 16 other countries. Two of the regular issue papers (both from Canada) have already been accepted, while 30 have been rejected and 7 withdrawn. One special issue paper (from Brazil) has so far been accepted, while the rest are still being processed. Of the 3 short communication papers, one has been rejected while the remaining 2 are still under review.

The Journal Impact Factor increased significantly from 1.000 in 2013 to 1.382 in 2014. The rank among journals in soil science also increased from 23/33 in 2013 to 20/34 in 2014.

**Table 1. Journal Impact factors and citations**

|   | 2014  | 2013  | 2012  | 2011  |
|---|---|-------|-------|-------|
| Total citations                             | 2543  | 2326  | 2158  | 2407  |
| Journal Impact Factor                       | 1.382   | 1.000 | 0.912 | 0.821 |
| 5-year Impact Factor                        | 1.337   | 1.269 | 1.059 | 1.212 |
| Immediacy Index                             | 0.3   | 0.400 | 0.136 | 0.481 |
| Rank in category (by Journal Impact Factor) | 20 <sup>th</sup> of 34 journals in Soil Science | 23/33 | 23/34 | 24/33 |

### Special Issues

The following Special Issues are currently in progress:

1. Sustainable management of cow pastures: case studies in the Maritimes and New England (Guest Editors: Sina Adl, Deborah Neher, and Ralph Martin).
2. Soil interfaces for sustainable development (Guest Editors: Jean-Philippe Bellenger, Joann Whalen, and Carlos Monreal).
3. Greenhouse gas Emissions: Sources and Sinks in Canadian Agro-Ecosystems (Guest Editors: Scott Chang and Joann Whalen)
4. Precision Agriculture and Soil-Water Management in Cranberry Production (Guest Editors: Silvio José Gumiere, Jean Caron, Steeve Pépin, William Bland, and Casey Kennedy)

## CJSS Editorial Board for 2015

### *Editors*

Francis Zvomuya (University of Manitoba, Winnipeg, MB) [Editor-in-Chief]

Xueming Yang (AAFC, Harrow, ON)

Newton Lupwayi (AAFC, Lethbridge, AB)

**Special Issues Editor:** Scott Chang (University of Alberta, Edmonton, AB)

**Assistant Editor:** Roger Cue (McGill University, QC)

### *Associate Editors (20)*

Nate Basiliko (Laurentian University, Sudbury, ON)

Angela Bedard-Haughn (University of Saskatchewan, SK)

Jean-Philippe Bellenger (University de Sherbrooke, QC)

Asim Biswas (McGill University, QC)

David Burton (Dalhousie University, NS)

Jean Caron (University Laval, QC)

Myles Dyck (University of Alberta, AB)

Claudia Goyer (AAFC, Fredericton, NB)

Richard Heck (University of Guelph, ON)

Bobbi Helgason (AAFC, Saskatoon, SK)

Aimé-Jean Messiga (Trent University, ON)

Yong Sik Ok (Kangwon National University, Korea)

David Pelster (ILRI, Nairobi, Kenya)

Paul Sanborn (University of Northern British Columbia, BC)

Mehdi Sharifi (Trent University, ON)

Mario Tenuta (University of Manitoba, MB)

Andy VanderZaag (AAFC, Ottawa, ON)

Valérie Viaud (INRA, Rennes, France)

Bernie Zebarth (AAFC, Fredericton, NB)

Noura Ziadi (AAFC, Québec, QC)

### *Journal Office Staff*

Tim Fenton

Laurie Scott

*Francis Zvomuya, University of Manitoba*



## Call for Session Proposals for the 2016 CSSS-PRSSS Conference

For the CSSS-PRSSS Annual Meeting in Kamloops on May 15-18, 2016, we are soliciting session proposals. Session proposals should include a title, the names and email addresses of one or more organizers/conveners (with the principal contact name underlined) and a meaningful description (< 250 words) in Microsoft Word. Any special requirements/considerations should be included.

These session proposals should be forwarded to: Margaret Schmidt ([margaret\\_schmidt@sfu.ca](mailto:margaret_schmidt@sfu.ca) Chair of the Technical Session Committee) with a copy to Maja Krzic ([maja.krzic@ubc.ca](mailto:maja.krzic@ubc.ca) Chair of the 2016 CSSS-PRSSS Organizing Committee) by October 30, 2015. The coordinators will contact the session proposers over the following months so that the accepted session proposals will be posted on the conference website in early December 2015. The Abstract deadline is February 15, 2016. Comments and suggestions are welcome.

## The CSSS Soil Calendars are Here!

To celebrate the International Year of Soils, CSSS is pleased to offer a calendar (from December 2015-December 2016) featuring Canadian soils and landscapes. All CSSS members will receive one free copy.

Additional copies are available for \$10 each (including postage) from our business office.

To order using a credit card, use the online form at:

<https://www.regonline.ca/csss2015calendar>

An additional charge of \$4.00 will be added to your order. This is a charge for using Regonline.

If you do not want to use a credit card, mail a cheque and the delivery address to the business office:

CSSS  
P.O. Box 637  
Pinawa, MB R0E 1L0



*Alpine landscapes of the Nahanni Plateau in the Mackenzie Mountains (NWT) have shallow Eutric Brunsollic soils, formed in a veneer of silty aeolian material overlying the limestone bedrock.*

Photo credits Paul Sanborn.

### December 2015

| Sunday | Monday | Tuesday | Wednesday                           | Thursday                           | Friday                         | Saturday                        |
|--------|--------|---------|-------------------------------------|------------------------------------|--------------------------------|---------------------------------|
|        |        |         | 1                                   | 2                                  | 3                              | 4                               |
|        | 6      | 7       | 8                                   | 9                                  | 10                             | 11                              |
| 13     | 14     | 15      | 16                                  | 17                                 | 18                             | 19                              |
| 20     | 21     | 22      | 23                                  | 24<br><small>Christmas Eve</small> | 25<br><small>Christmas</small> | 26<br><small>Boxing Day</small> |
| 27     | 28     | 29      | 30<br><small>New Year's Eve</small> | 31                                 |                                |                                 |

| November |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|
| Sun      | Mon | Tue | Wed | Thu | Fri | Sat |
| 1        | 2   | 3   | 4   | 5   | 6   | 7   |
| 8        | 9   | 10  | 11  | 12  | 13  | 14  |
| 15       | 16  | 17  | 18  | 19  | 20  | 21  |
| 22       | 23  | 24  | 25  | 26  | 27  | 28  |
| 29       | 30  |     |     |     |     |     |

| January 2016 |     |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|-----|
| Sun          | Mon | Tue | Wed | Thu | Fri | Sat |
|              |     |     |     |     |     |     |
| 1            | 2   | 3   | 4   | 5   | 6   | 7   |
| 8            | 9   | 10  | 11  | 12  | 13  | 14  |
| 15           | 16  | 17  | 18  | 19  | 20  | 21  |
| 22           | 23  | 24  | 25  | 26  | 27  | 28  |
| 29           | 30  |     |     |     |     |     |

## Canadian Society of Soil Science Treasurers' Report for 2014

The CSSS 2014 income expense statement shows the society continues to be very healthy financially, mainly as a result of continued unprecedented level of income from higher than anticipated revenue for our Wood Gundy Investment Accounts. Conference revenues from the 2013 Winnipeg conference (\$12,085.72) and the Banff conference (\$8578.80) increased revenues. However, there was an error in the amount we were paid from the Banff Conference and we had to pay back \$3,710 and this will be reflected in the 2015 books. The initial profit paid to CGU by Conference Concepts was in error with an overpayment of \$9275. CGU paid 60% of the over payment and CSSS paid 40%

There was also a formula error in last years Proposed 2015 Budget. The \$4000.00 in blue, fourth line from the bottom for Member Travel to International Conference was not included in the Net Income Over Expenses/ (Loss) total. I had forecast a surplus of \$562. The correct forecast should have been a loss of \$3438.00 for 2015.

*CSSS Operating Funds Income and Expenses* Total income in 2014 was much more than budgeted (Table 1) as a result of two unanticipated income sources. First, the Wood Gundy Investments continued to perform well and generated \$16,325 in revenue, a slight decrease ((\$2,353) over last year. Second, the 2013 Winnipeg conference generated \$12,085.72 which appeared in these the 2014 books. The Banff conference, as noted above, was over paid which was paid back in 2015, still generated a profit of \$4868.80. The CSSS loaned the Quebec 2015 conference organisation \$10,000 as start-up costs for the Montreal conference (This is not unusual). This appears as "Conference Start up Loan under expenses in the Approved 2015 budget. It is also balanced as Income under other income in the Approved 2015 budget. This money was paid to the 2015 conference organizers in 2014 and appears under Conference start up loan in the 2014 Actual column. Expenses in 2014 were \$2,451 more than the budget publication (Table 1). This was primarily due to higher than expected council travel costs for council members to travel to international conferences (\$12,161). These expenses were approved by council.

*CSSS Balance Sheet for Trust and Operating Accounts:* Equity in the CSSS Trust Fund increased again in 2014 to its highest level since 2009. The trust fund increased in value from \$353,555 from December 31, 2013 to \$369,881 by December 31 2014, an increase of \$16,325. A number of accounts became due during 2014 and the proceeds were placed into Mutual Funds. As of December 2014, the Trust fund held approximately 34% (drop of 5%) in income investments, approximately 18% (increase of 1%) of its assets in equity funds and approximately 48% (Increase of 4%) in mutual funds. The majority of the Trust Fund is held as a series of different types of bonds with interest rates ranging between 4.16% and 5.53% and staggered maturity dates from September 2011 through December 2020.

The Credit Union Term TLT1 #2 36 term deposit came due in 2014 and the monies were placed into the Credit Union Savings account. In January 2015 we had \$60,500.00 in savings generating 1% interest. On January 6, 2015 \$40,000.00 was placed in a term account at 2.5% interest. This will generate \$1,050 over 21 months.

The combination of funds in the CSSS savings account and term deposits provides a healthy buffer in case of large and unanticipated CSSS expenses. The CSSS remains financially healthy. (Note that the Wood Gundy Fund is a trust fund and is to be held as such into the future. This fund generates revenue that is used, when need be, to offset the student awards).

*Budget Proposed for 2016:* There are no major changes anticipated for the 2016 financial year (Table 1). The term deposits in the operating accounts will increase interest earnings. Membership revenue is expected to remain at levels similar to 2014. Potential conference revenues from the 2015 meeting in Montreal are difficult

## Canadian Society of Soil Science Treasurers' Report for 2014 (cont'd)

to forecast and has been estimated at \$2000 to balance the proposed budget. An advance to whoever is organizing the 2016 conference has not been included in the budget. If an advance is requested it would show as an expense and an income and the proposed budget surplus of \$540.00 would not change.

Currently, there are no special projects anticipated for the Trust Fund. However, CSSS certainly is in a financial position to fund a special project if an appropriate initiative is identified. The small surplus forecast for 2016 will not create any financial problems for CSSS. Table 1 below presents the historical balance sheets for 2012, 2013 and 2014.

**Kent Watson, TRU**  
**CSSS Treasurer**

**Table 1. CSSS Proposed and Historic Budgets plus Historical Income and Expenditures**

|   | 2012<br>Actual  | 2013<br>Actual   | 2014<br>Actual  | Approved<br>2012<br>Budget | Approved<br>2013<br>Budget | Approved<br>2014<br>Budget | Approved<br>2015<br>Budget | Proposed<br>2016<br>Budget |
|---|-----------------|------------------|-----------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| <b>Income</b>   |                 |                  |                 |                            |                            |                            |                            |                            |
| Membership and Publication Fees                           | \$17,900        | \$23,771         | \$18,325        | \$24,000                   | \$26,000                   | 24,000.00                  | 24,000.00                  | 20,000.00                  |
| Conference Income   | \$12,630        | \$0              | \$22,512        | \$0                        | \$0                        | 2,000.00                   | 2,000.00                   | 2,000.00                   |
| Income from Trust Received                                | \$18,376        | \$18,678         | \$16,325        | \$7,000                    | \$5,500                    | 7,000.00                   | 7,000.00                   | 13,000.00                  |
| Other Income  | \$475           | \$81,071         | \$0             | \$0                        | \$0                        | 300.00                     | 10,000.00                  |                            |
| Charitable Donations                                      | \$25            | \$711            | \$773           | \$200                      | \$100                      | 50.00                      | 50.00                      | 500.00                     |
| Interest Earnings on Chequing and Savings Accounts        | \$2,080         | \$1,872          | \$1,916         | \$800                      | \$1,200                    | 1,500.00                   | 1,800.00                   | 1,800.00                   |
| Royalties   | \$663           | \$1,416          | \$1,456         |                            |                            | 600.00                     | 600.00                     | 800.00                     |
| BNY Traust & CNH Wire in Capital C                        | \$2,472         | \$3,319          | \$4,963         |                            |                            | 2,472.00                   | 2,472.00                   | 2,500.00                   |
| Transfers from Trust and Retained Publications Earnings   | \$0             | \$0              | \$0             | \$0                        | \$0                        | 0.00                       | 0.00                       |                            |
| <b>Total Income</b>                                       | <b>\$54,620</b> | <b>\$130,837</b> | <b>\$66,270</b> | <b>\$32,000</b>            | <b>\$32,800</b>            | <b>37,922.00</b>           | <b>47,922.00</b>           | <b>40,600.00</b>           |
| <b>Expenses</b>   |                 |                  |                 |                            |                            |                            |                            |                            |
| <b>Operating Expenses</b>                                 |                 |                  |                 |                            |                            |                            |                            |                            |
| Office Contract/Expenses                                  | \$6,988         | \$8,949          | \$7,862         | \$8,000                    | \$7,500                    | 7,500.00                   | 7,500.00                   | 8,000.00                   |
| Newsletter/Proceedings                                    | \$1,810         | \$1,630          | \$447           | \$3,000                    | \$3,000                    | 2,500.00                   | 2,000.00                   | 1,000.00                   |
| AGM / Student Reception                                   | \$0             | \$0              | \$350           | \$1,000                    | \$1,000                    | 1,000.00                   | 1,000.00                   | 1,000.00                   |
| Council Travel  | \$425           | \$1,979          | \$8,466         | \$1,000                    | \$1,000                    | 1,000.00                   | 2,500.00                   | 5,000.00                   |
| Conference Startup Loan                                   |                 | \$10,000         | \$10,000        |                            |                            |                            | 10,000.00                  |                            |
| AIC Dues  | \$1,000         | \$1,000          | \$1,000         | \$1,000                    | \$1,000                    | 1,000.00                   | 1,000.00                   | 1,000.00                   |
| IUSS dues   | \$1,451         | \$1,886          | \$1,371         | \$1,600                    | \$1,600                    | 1,600.00                   | 1,800.00                   | 1,600.00                   |
| Other Operating Expenses                                  | \$326           | \$71,131         | \$173           | \$500                      | \$500                      | 500.00                     | 500.00                     | 500.00                     |
| CSSS and Soils of Canada websites                         | \$2,461         | \$4,692          | \$676           | \$1,500                    | \$1,500                    | 3,000.00                   | 3,000.00                   | 1,000.00                   |
| Digital Financial Records                                 | \$628           | \$0              | \$0             |                            | \$0                        | 0.00                       | 0.00                       | 0.00                       |
| Postage   | \$1,949         | \$1,673          | \$0             |                            |                            | 2,000.00                   | 1,800.00                   | 1,000.00                   |
| Bank Service Charges                                      | \$29            | \$5              | \$12            |                            |                            | 30.00                      | 30.00                      | 30.00                      |
| Receiver General  | \$1,308         | \$30             | \$20            | \$500                      | \$0                        | 0.00                       | 30.00                      | 30.00                      |
| <b>Total Operating Expenses</b>                           | <b>\$18,373</b> | <b>\$102,975</b> | <b>\$30,377</b> | <b>\$18,100</b>            | <b>\$17,100</b>            | <b>20,130.00</b>           | <b>31,160.00</b>           | <b>20,160.00</b>           |
| Publications Fees Paid (CJSS, CJPS, CJAS, Agri-week)      | \$4,442         | \$3,334          | \$3,973         | \$6,000                    | \$6,000                    | 5,500.00                   | 5,000.00                   | 4,500.00                   |
| <b>Expenses Payable by Bentley and Publications Trust</b> |                 |                  |                 |                            |                            |                            |                            |                            |
| - Bentley Speaking Award                                  | \$1,000         | \$1,000          | \$1,200         | \$1,000                    | \$1,000                    | 1,000.00                   | 1,000.00                   | 1,200.00                   |
| - President's Poster Award                                | \$1,400         | \$1,000          | \$1,000         | \$1,000                    | \$1,000                    | 1,000.00                   | 1,000.00                   | 1,000.00                   |
| - Student Travel Award                                    | \$6,600         | \$7,200          | \$7,200         | \$6,000                    | \$7,200                    | 7,200.00                   | 7,200.00                   | 7,200.00                   |
| - CSSS Conference Travel Award                            | \$0             | \$0              | \$0             | \$0                        | \$0                        |                            |                            |                            |
| - Undergraduate Book Award                                | \$716           | \$633            | \$556           | \$1,000                    | \$1,000                    | 1,000.00                   | 1,000.00                   | 1,000.00                   |
| - NSERC Women in Soil Science (5000 for 5 Yrs)            | \$2,000         | \$1,000          | \$1,000         | \$1,000                    | \$1,000                    | 1,000.00                   | 1,000.00                   | 1,000.00                   |
| - N. American Forest Conference (1000 every 5Yrs)         |                 |                  |                 | \$1,000                    | \$0                        | 1,000.00                   | 0.00                       | 0.00                       |
| - Special Trust Fund Projects (CSSS Journal?)             | \$1,194         | \$0              | \$0             | \$0                        | \$0                        | 0.00                       | 0.00                       | 0.00                       |
| - Member travel to International Conference               |                 |                  | \$3,695         |                            |                            |                            | 4,000.00                   | 4,000.00                   |
| <b>Total Expenses Payable by Trust</b>                    | <b>\$12,910</b> | <b>\$10,833</b>  | <b>\$14,651</b> | <b>\$11,000</b>            | <b>\$11,200</b>            | <b>12,200.00</b>           | <b>15,200.00</b>           | <b>15,400.00</b>           |
| <b>Total Expenses</b>                                     | <b>\$35,724</b> | <b>\$117,142</b> | <b>\$49,001</b> | <b>\$35,100</b>            | <b>\$34,300</b>            | <b>37,830.00</b>           | <b>51,360.00</b>           | <b>40,060.00</b>           |
| <b>Net Income Over Expenses/(Loss)</b>                    | <b>\$18,896</b> | <b>\$13,695</b>  | <b>\$17,269</b> | <b>-\$3,100</b>            | <b>-\$1,500</b>            | <b>92.00</b>               | <b>3,438.00</b>            | <b>540.00</b>              |

# Canadian Society of Soil Science Treasurers' Report for 2014 (cont'd)

## CSSS Balance Sheet As at 31/12/2014

### ASSET

#### Current Assets

|   |            |            |
|---|------------|------------|
| CIBC Wood Gundy (Cash)                    | 0.00       |            |
| CIBC Wood Gundy Income Investments        | 125,240.67 |            |
| CIBC Wood Gundy Equities                  | 66,749.70  |            |
| CIBC Wood Gundy Mutual Funds              | 177,890.91 |            |
| <b>CIBC Wood Gundy Total Assest</b>       |            | 369,881.28 |
| Sunova Credit Union Chequing              | 0.00       |            |
| Sunova Credit Union Savings               | 60,552.23  |            |
| Sunova Credit Union Petty Cash            | 1,046.33   |            |
| Sunova Credit Union Surplus Shares        | 332.22     |            |
| Sunova Credit Union Common Shares         | 865.00     |            |
| <b>Sunova Credit Union Accounts Total</b> |            | 62,795.78  |
| Credit Union Term TLT1 #2 36 mo           | 0.00       |            |
| Credit Union Term TLT2 #1 84 mo           | 22,176.42  |            |
| <b>Sunova Credit Union Term Total</b>     |            | 22,176.42  |
| Funds Payable to Operating                |            | 0.00       |
| Accounts Receivable                       | 0.00       |            |
| <b>Total Receivable</b>                   |            | 0.00       |
| <b>Total Current Assets</b>               |            | 454,853.48 |

### TOTAL ASSET

454,853.48

### LIABILITY

#### Current Liabilities

|                                  |  |      |
|----------------------------------|--|------|
| Accounts Payable                 |  | 0.00 |
| Suvona CU Uncashed Cheques       |  | 0.00 |
| Funds Payable to Operating       |  | 0.00 |
| <b>Total Current Liabilities</b> |  | 0.00 |

### TOTAL LIABILITY

0.00

### EQUITY

#### Owners Equity

|                                   |  |            |
|-----------------------------------|--|------------|
| Retained Earnings - Previous Year |  | 437,581.85 |
| Current Earnings                  |  | 17,271.63  |
| <b>Total Owners Equity</b>        |  | 454,853.48 |

### TOTAL EQUITY

454,853.48

### LIABILITIES AND EQUITY

454,853.48

## Canadian Society of Soil Science Treasurers' Report for 2014 (cont'd)

### CSSS

### Income Statement 01/01/2014 to 31/12/2014

#### REVENUE

|  |                      |  |
|--|----------------------|--|
| <b>Change in Assets CIBC Wood Gundy</b>    |                      |  |
| CIBC Wood Gundy (Cash)                     | 1,076.60             |  |
| CIBC Wood Gundy Income Investments         | 824.89               |  |
| CIBC Wood Gundy Equities                   | 6,145.30             |  |
| CIBC Wood Gundy Mutual Funds               | 8,278.70             |  |
| <b>Total Change Assets CIBC Wood Gundy</b> | <b>16,325.49</b>     |  |
| <br><b>Revenue Sunova Credit Union</b>     |                      |  |
| Sunova Credit Union Chequing               | 0.00                 |  |
| Sunova Credit Union Savings                | 534.31               |  |
| Sunova Credit Union Surplus Shares         | 18.04                |  |
| Sunova Credit Union Commin Shares          | 0.00                 |  |
| Sunova Credit Union Accounts Total         | 552.35               |  |
| Credit Union Term TLT1 #2 36 mo            | 614.18               |  |
| Credit Union Term TLT2 #1 84 mo            | 749.93               |  |
| Sunova Credit Union Term Deposits          | 1,364.11             |  |
| <b>Total Revenue Sunova Credit Union</b>   | <b>1,916.46</b>      |  |
| <br><b>Other Revenue</b>                   |                      |  |
| Membership & Journal - Cheque              | 631.72               |  |
| Membership & Journal - Online              | 17,654.04            |  |
| Active Network Fees                        | 39.67                |  |
| Total Membership Revenue                   | 18,325.43            |  |
| Conference Revenue                         | 22,512.94            |  |
| Royalties                                  | 1,456.54             |  |
| Charitable Donations                       | 772.78               |  |
| Other Income                               | 0.00                 |  |
| CNH Wire In Capital C                      | 513.36               |  |
| BNY Trust                                  | 4,450.00             |  |
| <b>Total Other Revenue</b>                 | <b>48,031.05</b>     |  |
| <br><b>TOTAL REVENUE</b>                   | <br><b>66,273.00</b> |  |

## Canadian Society of Soil Science Treasurers' Report for 2014 (cont'd)

### EXPENSE

#### Expenses

|                                     |                  |  |
|-------------------------------------|------------------|--|
| General Travel Expenses             | 3,695.39         |  |
| Office Contract/Expenses            | 7,861.88         |  |
| T-D Visa A&A                        | 0.00             |  |
| Newsletter/Proceedings              | 447.48           |  |
| Currency Exchange                   | 172.82           |  |
| AGM/Student Reception               | 350.00           |  |
| Conference Fees to Host Orgaination | 10,000.00        |  |
| Council Travel                      | 8,466.32         |  |
| AIC Dues                            | 1,000.00         |  |
| AIC Subscription                    | 3,972.69         |  |
| IUSS Dues                           | 1,370.50         |  |
| Other Operating Expenses            | 0.00             |  |
| CSSS and Soils of Canada Websites   | 676.21           |  |
| Digital Financial Records           | 0.00             |  |
| Postage                             | 0.00             |  |
| Bank Service Charges                | 12.00            |  |
| Receiver General                    | 20.00            |  |
| Expenses Total                      | 38,045.29        |  |
| Publication Fees (CJSS, Agri-week)  | 0.00             |  |
| <b>Operating Expenses Total</b>     | <b>38,045.29</b> |  |

#### Payed by Bently & Publication Trust

|                                     |                  |  |
|-------------------------------------|------------------|--|
| Bently Speaking Award               | 1,200.00         |  |
| President's Poster Award            | 1,000.00         |  |
| Student's Travel Award              | 7,200.00         |  |
| CSSS Conference Travel Award        | 0.00             |  |
| Undergraduate Book Award            | 556.08           |  |
| Awards Total                        | 9,956.08         |  |
| NSERC Women in Soils (5000 for 5ry) | 1,000.00         |  |
| N Am. For Conf. (1000 every 5yrs)   | 0.00             |  |
| Special Trust Fund Projects         | 0.00             |  |
| Total Projects Paid by Trust        | 1,000.00         |  |
| <b>Total Expenses</b>               | <b>10,956.08</b> |  |

**TOTAL EXPENSE** **49,001.37**

**NET INCOME** **17,271.63**

## Soil Conservation Council Names Conservation Hall of Fame Inductee

The Soil Conservation Council of Canada (SCCC) has announced that Dr. David Allen Lobb is the 2015 inductee to the Canadian Conservation Hall of Fame. He will be officially inducted at a ceremony to be held this December at the SCCC sponsored Summit on the State of Canada's Soils.

Dr. Lobb grew up on a family farm in Huron County, Ontario, where he learned the importance of practical agriculture and soil care. Work in Ontario, the Atlantic Provinces and Manitoba has contributed to his distinguished and highly productive career in the understanding and management of soil erosion processes.

Lobb is internationally recognized for his research in tillage translocation and tillage erosion, particularly for his advances in experimental methods and modelling. At the University of Manitoba, he has established the Tillage Translocation Laboratory - the only laboratory in the world capable of measuring soil translocation by tillage and tillage erosion. He also established the Landscapes Dynamics Laboratory, which is the largest laboratory in Canada for analyzing the radiochemistry of soil and sediments. In addition to his teaching responsibilities and many professional commitments, Lobb has been a prolific publisher of scientific papers and book chapters on soil erosion and soil conservation, and made more than 400 presentations (300 scientific). His expertise in soil erosion and conservation has been sought by provincial and federal government agencies in Canada, the International Atomic Energy Agency, the U.N. Food and Agriculture Organization, the World Bank, and the Organisation for Economic Co-operation and Development.

Lobb's work has challenged traditional thinking as his investigations bring forth new evidence about erosion, erosion processes, and environmental impacts. This work is contributing to the integrated management of soil erosion by tillage, water and wind in a way that will increasingly benefit agriculture. His work on soil landscape restoration on eroded fields demonstrates that crop yield variability can be reduced and overall crop yield increased. He has raised the profile of soil to a new generation of students and has been keen to be out on the land where he could directly assist farmers in addressing soil management challenges. David Lobb has and is making an important contribution to sustainable agriculture in Canada and around the world.

From Jim Tokarchuk, SCCC Executive Director (the original notice and information about the SCCC is posted here: [http://soilcc.ca/news\\_releases/2015/nr\\_2015-02\\_e.php](http://soilcc.ca/news_releases/2015/nr_2015-02_e.php))

**About the SCCC:** The SCCC is the only national organization to concentrate on the issues of soil health and soil conservation within a broadly based landscape context. It works to build a greater understanding of the importance of soil as an essential resource to society by facilitating the exchange of information with all stakeholders.

Healthy soils are the foundation of sustainable food production, enhanced biodiversity and cleaner air and water for present and future generations. For more information, please visit, [www.soilcc.ca](http://www.soilcc.ca).



## Soil Scientist Honoured for Soil Science Collections at the University of Alberta Museums

Dr. Noorallah Juma (Professor Emeritus of Soil Science at the University of Alberta) served as the curator of the Soil Science Collections at the University of Alberta Museums over a period of 10 years (1999-2008). During his tenure, he put enormous energy into conceptualizing, finding funds, and developing a unified and coherent soils display from a number of disparate collections and sources. In recognition of his important achievements, Dr. Juma was inducted into the University of Alberta Museums Curator Hall of Fame last year. A description of his achievements can be seen on the University of Alberta Museums page: <http://www.rr.museums.ualberta.ca/SoilScienceCollection.aspx>

The collections of soil monoliths, artifacts, posters and a guided tour of soil resources show that the University of

Alberta, the Faculty of Agricultural, Life & Environmental Sciences, and the Department of Renewable Resources have a significant, long-term, Soil Science record which has been recognized at local, national and international levels.

Further information about Dr. Juma's important efforts building this collection may be found here: <http://museums.ualberta.ca/AboutUs/HallofFame/2014Inductees/Noorallah%20Juma.aspx>



Dr. Noorallah Juma

## Organic Phosphorus Workshop (OP2016)

All soil, water, plant and environmental scientists are welcome to the Organic Phosphorus Workshop (OP2016) to exchange ideas and innovation on the subject of “*Organic Phosphorus in the Environment: Solutions for Phosphorus Security*”.

The dates for the meeting will be 5-9th of September 2016 and the venue will be the Low Wood Hotel and Conference Centre, on the side of Lake Windermere, in northern England. For more information please visit [www.op2016.com](http://www.op2016.com) or email us on [op2016@lancaster.ac.uk](mailto:op2016@lancaster.ac.uk).

*Confirmed keynotes so far: Dr Barbara Cade-Menun, Prof. Dr. Erwin Klumpp and Dr. Federica Tamburini*

### Sessions:

- Phosphorus flows in the environment in context with other nutrient cycles: Integration across ecosystems;
- Methods of evaluating organic P stocks, concentration and speciation;
- Biotic interactions in organic P cycling;
- Abiotic interactions of organic P in soil and waters: Stocks, Flows and impact of scale;
- Global challenges for Organic P research;

The conference programme and complete keynote list will be announced in October 2015. Abstract submission will open in February 2016.

## UPCOMING CONFERENCES

- The Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, and Entomological Society of America will hold a joint annual meeting **Synergy in Science** November 15-18 in Minneapolis, MN, USA: <https://www.acsmeetings.org/2015-data-stewardship>
- The Canadian Soil Science Society will meet jointly with Pacific Regional Soil Science Society in Kamloops, BC, May 16-19, 2016. Save the date! And watch for more information.

## CSSS – Business Office

**Contact: Steve Sheppard**  
P.O. Box 637,  
Pinawa, Manitoba, Canada  
R0E 1L0

Telephone: (204) 282-9486  
Fax: (204) 753-8478  
Email: [sheppards@ecomatters.com](mailto:sheppards@ecomatters.com)  
Website: [www.csss.ca](http://www.csss.ca)