



PRESIDENT'S MESSAGE

In my first message as President, I would like to take this opportunity to express my sincerest appreciation to the retiring council members. First, I would like to thank Ed Gregorich (Past President) for his work on council and in particular for his involvement in the International Twinning Partnership Program. I would also like to express my appreciation to Martin Carter for the many years he has served on council. Martin has just finished his term as the Editor of the Canadian Journal of Soil Science. He has also served as Past President and as Eastern Councillor for CSSS. Thank you is also extended to Gary Parkin who kept us organized as Secretary, Vimy Glass who was a terrific advocate for Graduate student issues, and Joann Whalen who, as Eastern Councillor, assumed the duties of Editor of the CSSS newsletter. These dedicated individuals provided tremendous service to our society.

I would like to congratulate Gerry Neilsen, our new President-Elect and Frank Larney who has accepted the position of Editor of the Canadian Journal of Soil Science. In this capacity Frank also serves on the CSSS council. Newton Lupwayi was appointed as the Secretary to CSSS. Congratulations are also extended to Sina Adl who was elected as the Eastern Councillor. Sina's primary responsibility is to prepare and edit the CSSS newsletter. Dean Mackenzie was elected as the Graduate Student Representative. In addition to these new council members, there are 4 returning council members including myself. Anne Naeth is now the Past President of CSSS, Don Flaten is continuing in his role as Treasurer, and Xiyang Hao will continue to provide updates to our web site which is one of the roles of the Western Councillor. I am very much looking forward to working with the new and returning council members.

I would also like to recognize Steve Sheppard (ECOMatters) who manages the business office for CSSS. Our business office handles CSSS membership and registration, prints our newsletters, provides information to our members through mail and e-mail notices and assists Don Flaten with banking and accounting.

This year should be particularly exciting as we will be holding our annual meeting with the Canadian Geophysical Union (CGU) in Banff, Alberta from May 14th to 17th. If this year's conference is similar to the

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joint CSSS/CGU conference in 2002, then it will be an outstanding success. This year the 18th World Congress of Soil Science will be meeting in Philadelphia (July 9th to 15th). CSSS should be well represented as many of our members are involved with the Congress as well as presenting research at this international forum.

I would like to remind members of some of our new initiatives. Ed Gregorich is the coordinator and liaison between CSSS and the Museum of Nature in Ottawa. CSSS and the Museum staff are exploring the possibility of establishing both a permanent and traveling Soils Exhibit. This venture will help CSSS increase public awareness of the importance of soil science to society from both an environmental and an agronomic perspective.

We are also planning on revising our Rules and Bylaws this year to reflect the term of office (i.e. calendar year) and to enable e-mail voting, etc. We are looking for additional suggestions on how we could enhance our profile in the public and scientific community. Clearly many of our members are leaders in some of the key issues such as greenhouse gas emissions, carbon sequestration, water quality, soil sustainability, and environmental indicators to name just a few, and we should explore opportunities to recognize and promote their critical work in these areas.

In closing, I am looking forward to an exciting year and welcome any and all suggestions on how we can serve our members and our society.

Sincerely,

Craig Drury

CSSS Members Get Discounts on AIC Journal Subscriptions

CSSS members receive a discount (about 60% off the full rate) when they subscribe to any of the following journals:

- ◆ Canadian Journal of Soil Science (www.nrc.gc.ca/aic-journals/cjss)
- ◆ Canadian Journal of Plant Science (www.nrc.gc.ca/aic-journals/cjps)
- ◆ Canadian Journal of Animal Science (www.nrc.gc.ca/aic-journals/cjas)

An electronic-only subscription to all three journals costs less than \$90.00 (plus tax) per year. For more information, contact Steve Sheppard (sheppards@ecomatters.com).

News from the Canadian Journal of Soil Science (*CJSS*)

As I begin my three year term as Editor of *CJSS*, I look forward to working with CSSS members to ensure the continued success of our Journal as a leading forum for soil science research. *CJSS* has a long history, going back to Vol. 37 in 1957. Before that, *CJSS* can be traced to Vol. 1 of *Scientific Agriculture* published in 1921. In 2006, Vol. 86 of *CJSS* will be published. I am proud of our history and I welcome your ideas on fostering high quality future issues.

Particular thanks are due to my predecessor, Martin Carter (Agriculture and Agri-Food Canada, Charlottetown, PEI), for his three years as *CJSS* Editor. With Martin at the helm, the submission rate to *CJSS* has increased and our ISI impact factor has been maintained. I will strive to follow Martin's high standards over the next three years.

Denis Angers (Agriculture and Agri-Food Canada, Sainte-Foy, QC) moves from Associate Editor to Special Issues Editor for a three year term. Denis will work with Guest Editors in coordinating manuscripts for Special Issues or Special Sections for *CJSS* and will make final decisions on acceptance. Thanks Denis for serving as Associate Editor and all the best in your new role.

Our current *CJSS* Editorial Committee comprises an Editor, a Special Issues Editor, 18 Associate Editors and an Assistant Editor (see www.nrc.gc.ca/aic-journals/cjss.html for full listing). We work closely with our publisher, the Agricultural Institute of Canada (AIC) in Ottawa (Tim Fenton and Laurie Scott).

On January 1, 2006, five new Associate Editors were appointed for three year terms. I am happy to welcome Mary Ann Bruns (Pennsylvania State University, University Park, PA), Scott Chang (University of Alberta, Edmonton, AB), Denis Curtin (Crop & Food Research, Lincoln, New Zealand), Ed Gregorich (Agriculture and Agri-Food Canada, Ottawa), and Dan Reynolds (Agriculture and Agri-Food Canada, Harrow, ON) to the *CJSS* team. Also thanks to Mike Beare (Crop & Food Research, Lincoln, New Zealand), Bill Dubbin (Natural History Museum, London, UK) and Mike Grevers (University of Saskatchewan) who return as Associate Editors for a second three year term.

Please consider *CJSS* as your #1 choice when submitting your next manuscript. Canvass your colleagues to do likewise. Also think about writing a review paper on your favourite research topic. Your continued support is very much appreciated.

Frank Larney, (larney@agr.gc.ca)
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Agriculture and Agri-Food Canada
Lethbridge, AB

The CSSS Newsletter is published three times a year (Fall, Winter and Spring). Contributions from members are most welcome. Please send contributions by email to the Eastern Councillor.

Congratulations to Dr. R. César Izaurralde

who was recognized as a Fellow of the American Society of Agronomy at the 2005 ASA-CSSA-SSSA International Annual Meetings, Salt Lake City, UT - November 6 – 10, 2005



Dr. Izaurralde, was a familiar CSSS member in Albertan and Canadian soil science circles from 1986 through 1997. He arrived at the University of Alberta in June 1986 to work as a post-doctoral scientist (with Dr. Noorallah Juma and Dr. Bill McGill) to develop innovative methods to counteract soil degradation. In 1990 he became Soil Conservation Chair, reaching the rank of Associate Professor with tenure, before accepting a position in the United States with Pacific Northwest National Laboratory, June 1997. The major foci of his research in Canada were sustainable agriculture, soil organic matter, and ecological modelling.

The citation for his award is quoted below.

César Izaurralde is a Laboratory Fellow in the Joint Global Change Research Institute, a collaboration of the Pacific Northwest National Laboratory and the University of Maryland. He is also an Adjunct Professor in the Department of Geography and an Adjunct Associate Professor in the Department of Natural Resource Sciences and Landscape Architecture at the University of Maryland. Dr. Izaurralde earned his Agronomist Engineer degree from University of Córdoba (Argentina) and his M.Sc. and Ph.D. degrees from Kansas State University. Dr. Izaurralde's research focuses in three areas: 1) sustainable agriculture, 2) climate change impacts on agriculture and water resources and 3) climate change mitigation through soil carbon sequestration and reductions in soil emissions of nitrous oxide. Dr. Izaurralde has been an active member of the American Society of Agronomy and the Soil Science Society of America since 1982. He is also an active member of the American Association for the Advancement of Science, the American Geophysical Union, and the American Society for Photogrammetry and Remote Sensing.

Neil Foster Memorial Award

A graduate student fellowship is being established within the Faculty of Forestry at the University of Toronto to honour Neil Foster's memory. We have set an ambitious financial goal to ensure that the award is generated in perpetuity. If we are able to meet our target of \$50,000 in donations we will be able to leverage matching money from the province and the university. With this matching money the value of the award will be tripled, from approximately \$2,000 to \$6,000 in annual award income. The Canadian Forest Service, the Canadian Institute of Forestry – Central Ontario Section, and the Soil Science Society of America – S7 Forest, Range and Wildland Soils Division have provided lead gifts to initiate the award. A pledge commitment form for the Neil Foster Memorial Fund is available at the University of Toronto, Faculty of Forestry website. (<http://www.forestry.utoronto.ca>)

Welcome to our new CSSS Executive

Gerry Neilsen, President-Elect

Gerry Neilsen has been a research scientist in soil fertility and plant nutrition for Agriculture & Agri-Food Canada in Summerland, BC since 1978. He grew up in a large (5 sisters and a brother) and diverse (grandparents from Denmark, Norway, French Canada, England and Algonquin great grandmother) family. He obtained a BSc (1970) and MSc (1972) in Earth Science from Queen's, and a PhD (1977) in Soil Science from McGill University. Gerry has been a member of the Canadian Soil Science Society since 1977. He has directed efforts towards development of sustainable soil management strategies for horticultural production systems. He served in various capacities in a number of organisations including journal editing, chairing International working groups, heading sections, and working collaboratively with international scientists, industry groups and students. He looks forward to working with CSSS members and council to improve the relevance and effectiveness of the Society.

Newton Lupwayi, Secretary



Newton Lupwayi is a Research Scientist in Soil Microbiology with Agriculture and Agri-Food Canada at Beaverlodge in Alberta. Born in Malawi, he received his BSc (Agricultural Science) from the University of Malawi, MSc (Soil Chemistry and Fertility) from the University of Aberdeen in Scotland, and PhD (Soil Microbiology) from Lincoln University in New Zealand. Before coming to Canada, he had worked at the University of Malawi, and the International Livestock Research Institute in Ethiopia. Newton came to Canada in 1994 as an NSERC Visiting Scientist at a Canadian Government Laboratory. His current areas of research include evaluating effects of agriculture on soil microbial dynamics (and vice versa), nutrient release from soil organic amendments, biological nitrogen fixation, and use of *Rhizobium* as a plant growth-promoting microorganism in non-legume crops. He has published or co-published 49 peer-reviewed journal articles and three book chapters. He is excited about serving CSSS as Secretary in the next three years.

Welcome to our new CSSS Executive – concluded

Sina Adl, Eastern Councillor



Sina Adl is a soil ecologist at Dalhousie University in the Department of Biology. He grew-up between Iran and France, was educated in England, and received his university education at the University of British Columbia (BSc 1991, MSc 1993, PhD 1998). His postdoctoral research brought him back to France and then to the Institute of Ecology at the University of Georgia, USA. He has served on the executive of the Int Soc. Protistologists and in other capacities in several protistology and ecology societies, including organizing conferences, chairing sections, and reviewer. He has authored a book on soil ecology and coordinated the revisions of the new classification of eukaryotes. His current research interests are in sustainable pasture management, grazing on mycorrhizae, forest soil calcium, biodiversity-ecosystem productivity.

Dean MacKenzie, Graduate Student Representative

After years of education in environmental sciences (Diploma at Lakeland College, Vermilion, Alberta and B.Sc. at the University of Alberta, Edmonton, Alberta) my interests have focused on soil and native plant interactions with respect to land reclamation in the Athabasca Oil Sands Region (AOSR). I am currently in the final stages of completing my M.Sc. degree in the Department of Renewable Resources at the University of Alberta under the supervision of Dr. Anne Naeth. My research looks at improving reclamation practices in the AOSR by using the LFH layer as a donor soil to assist in natural recovery on overburden piles. This spring I am moving onto a PhD, my work will be looking at effective ways to maximize the establishment of native species from LFH donor soils, specifically investigating both salvage and application procedures that will enhance both soil quality and emergence of native species. I am currently a member of the Canadian Society of Soil Science, Canadian Land Reclamation Association and International Society for Seed Science, all associations combined have helped me get a better understanding of soils and soils impacts on our day to day lifestyle. As the new Graduate Student Representative for the CSSS council I encourage all students to get actively involved with CSSS through e-mail, the CSSS website and coming out to events like this years annual general meeting in Banff. I look forward to meeting many students this year at the annual general meeting.

**Canadian Geophysical Union &
Canadian Society of Soil Science &
Union Géophysique Canadienne &
Société Canadienne de la Science du Sol**

www.cgu-ugc.ca www.csss.ca

ANNUAL MEETING / RENCONTRE ANNUELLE

The Banff Centre

14-17 May/Mai 2006

GEOSPATIAL PROCESSES:

INTEGRATING PEDOSPHERE, LITHOSPHERE AND HYDROSPHERE

CGU/UGC SESSIONS ...

Hydrology

Geoelectromagnetics

Geodesy & Geodynamics

Earthquakes & Natural Hazards

Environment & Climate Systems

Geocomputations & Visualization

Glaciology & Int'l Polar Year 2007

General Geophysics, etc ...

... CSSS/SCSS SESSIONS

Soil Water

Problem Soils

Northern Issues

Climate Change

Nutrient Management

Forest Soils & Management

Land Reclamation & Remediation

General Soil Science, etc ...

Joint Sessions: Hydrogeophysics, etc ...

Field Trip to the Burgess Shales on 14 May/Mai 2006

ABSTRACTS / RESUMES: 15 February/Février 2006

www.ucalgary.ca/~cguconf

CSSS Annual Meeting

It is time to register and reserve your accommodation. Please visit the website for updates on the program, registration, accommodations and directions to the meeting.

<http://www.ucalgary.ca/~cguconf/>

The welcome banquet is on Sunday evening, 14th May. There is a BBQ on Tuesday evening at the famous Brewster's MountView BBQ. The CSS awards reception is on Wednesday evening 17th May.

Student Travel to the CSSS Annual Meeting

CSSS Awards for Distinguished Soil Scientists

CSSS Student Travel Award

The student travel 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 \$500 and a maximum of 12 travel grants will be awarded. Please complete the enclosed form and send or FAX the completed form to Gerry Neilsen, President-elect, by April 3rd, 2006. The criteria used to judge the applications are:

1. Is the student a member of CSSS? (Students must be CSSS members to apply).
2. Will the student be presenting an oral paper or poster? (Preference will be given to students who will be giving either an oral or a poster presentation over students who are just planning to attend the conference without giving a presentation).
3. Is the research summary reasonable (rationale, hypothesis, objective) and clearly written?
4. Has the student received a previous travel award from CSSS? (Preference will be given to students who have not previously received a travel award).
5. Has the student informed his/her supervisor or department chair and had their application form signed?

Please send applications to:

Gerry Neilsen
President-Elect,
Canadian Society of Soil Science
Pacific Agri-Food Research Centre
Agriculture & Agri-Food Canada
Summerland British Columbia,
V0H 1Z0
Telephone: (250) 494-7711 ext. 6377
Fax: (250) 494-0755
E-Mail: neilseng@agr.gc.ca

CSSS Soil Science for Society Award

This is awarded to a member or non-member who has made a contribution towards promoting soil science to the public. This is a non-monetary award consisting of a plaque or certificate recognizing the person's contribution. All nominations, which are evaluated by the CSSS Awards Committee, must have the following documentation:

- Name, address, telephone number, email address of the candidate.
- One page letter briefly outlining the reasons for the nomination.
- A brief résumé (< 3 pages) of the candidate indicating their contribution(s) to promoting soil science to the public.
- One page letter from each of three individuals supporting the nomination.

All nominations must be submitted as e-mail attachments to Gerry Neilsen, chair of the Awards Committee at neilseng@agr.gc.ca by **April 3, 2006**. Only the following formats will be accepted: Microsoft Word, Corel WordPerfect, or Adobe PDF.

Approval of this award must be a unanimous decision by the Awards Committee members.

CSSS Honorary Membership Award

This is awarded to non-members who have rendered valuable or special service to soil science. All nominations, which are evaluated by the Awards Committee, must have the following documentation:

- Name, address, telephone number, email address of the candidate.
- One page letter briefly outlining the reasons for the nomination.
- A brief résumé (< 3 pages) of the candidate indicating their service to soil science.
- One page letter from each of three individuals supporting the nomination.

All nominations must be submitted as e-mail

attachments to Gerry Neilsen , chair of the Awards Committee at neilseng@agr.gc.ca by **April 3rd, 2006**. Only the following formats will be accepted: Microsoft Word, Corel WordPerfect, or Adobe PDF.

Approval of this award must be a unanimous decision by the Awards Committee members.

CSSS Fellow Award

This is awarded to CSSS members with a distinguished record of accomplishment in Soil Science and service to the Society. The regulations covering the nomination procedure and documentation, and evaluation of nominees, are given below.

A. Regulations

1. Nominees must be members in good standing at the time of their nomination and must have been a CSSS member of at least a total of 10 (not necessarily continuous) years.
2. Up to two CSSS members can be awarded a Fellowship in any year. Persons wishing to nominate someone who was previously unsuccessful as a nominee may do so by submitting new, original nomination documentation.
3. Each nominee must have one nominator and three supporting sponsors.
4. Members of CSSS Council and the Awards Committee cannot serve as a nominator or sponsor.
5. Approval of this award shall be a unanimous decision by the Award Committee members.

B. Nomination Documentation (maximum 8 pages, 2-3 cm margins, 12 pt. type)

1. A one page introductory letter submitted by the nominator and three sponsors including:
 - Name, address, telephone number, email address of the candidate.
 - Name, address, telephone number, email address of the nominator and three sponsors.
 - One page summary by nominator outlining achievements of the nominee.
2. Nomination documents must include:

- Personal achievements (e.g., degrees, memberships, service to CSSS)
- Professional achievement (e.g., research, teaching, service to Soil Science)
- Professional publications (number of books, papers, patents, products, etc.)
- A list of the 10 most significant publications, products, achievements, etc.

C. Nomination Evaluation

Nominations are evaluated by the CSSS Awards Committee. A minimum of 60 points is required to consider the nominee for this award. The criteria for evaluating the nomination is (out of 100 points):

- Personal achievements (maximum of 20 points)
- Professional achievement (maximum of 35 points)
- Professional publications - both numbers and impact as indicated by the nominator (maximum of 15 points)
- Achievements as shown in sponsors or other letters of support (maximum of 10 points for each of the three letters).

All nominations must be submitted as e-mail attachments to Gerry Neilsen, chair of the Awards Committee at neilseng@agr.gc.ca by **April 3rd, 2006**. Only the following formats will be accepted: Microsoft Word, Corel WordPerfect, or Adobe PDF.

The guidelines for these awards are also listed on the CSSS website at <http://www.csss.ca>

UPCOMING CONFERENCES

Apr. 8-12, 2006

International Conference on Hydrology and Management of Forested Wetlands
New Bern, North Carolina
www.asae.org/meetings/Forest2006/index.htm

May 13-17, 2006

Canadian Society of Soil Science Annual Meeting (with Canadian Geophysical Union)
Banff, Alberta
www.cgu-ugc.ca

May 22-24, 2006

American Institute of Biological Sciences Annual Meeting
Washington, DC
www.aibs.org/annual-meeting

May 22-26, 2006

International Soil Meeting on Soils Sustaining Life on Earth (Managing Soil and Technology)
Urfa, Turkey
www.toprak.org.tr or
info@toprak.org.tr

June 4-9, 2006

American Society of Limnology and Oceanography (ASLO) Victoria, BC
Session TS-D04—Land-use Impacts on Water Quality; Search For Science Supporting Beneficial Management Practices for Sustainable Clean and Healthy Water
Organizers: Klaas Broersma, Agriculture and Agri-Food Canada,

broersmak@agr.gc.ca and Asit Mazumder, University of Victoria, mazumder@uvic.ca
<http://aslo.org/victoria2006/index.html>

30 June 2006

5th International Symposium on Ecosystem Behavior,
University of California,
Santa Cruz, USA
<http://www3.villanova.edu/conferences/biogeomon2006/>.

June 5-8, 2006

Workshop on Agricultural Air Quality: State of the Science
Potomac MD
www.esa.org/AirWorkshop

July 9-15, 2006

18th World Congress of Soil Science

Philadelphia, Pennsylvania
www.18wcss.org

July 16-21, 2006

7th International Conference on the Occurrence, Properties, and Utilization of Natural Zeolites
Socorro, NM
www.ees.nmt.edu/Zeolite06

August 1 - 4, 2006

The Canadian Society of Animal Science (CSAS) &
The Canadian Society of Agronomy (CSA) &
The Canadian Society for Horticultural Science (CSHS)
Halifax, Nova Scotia
The Canadian Society of Animal Science (CSAS)
The Canadian Society of Agron-

omy (CSA)

The Canadian Society for Horticultural Science (CSHS)
Halifax, Nova Scotia
August 1 - 4, 2006
<http://nsac.ca/pas/conferences/>

Aug. 6-11, 2006

Ecological Society of America Annual Meeting
Memphis, Tennessee
www.esa.org

Aug. 28-Sept. 3, 2006

Sustainability—Its Impact on Soil Management and Environment
Kiel, Germany
www.istro.org

Nov. 12-15, 2006

ASA-CSSA-SSSA Annual Meeting
Indianapolis, Indiana
www.agronomy.org

2007

CSSS Annual Meeting, Quebec

2008

CSSS Annual Meeting, Prince George

For more conferences, visit our website at <http://www.csss.ca>

CSSS – Business Office

The CSSS Business Office is here to help with:

- membership concerns
- updated CSSS membership list
- CJSS journal subscriptions
- society publications

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