For general inquiries or if you have material to include in the newsletter:
Lynda Closson
University of Manitoba
Room 362 Ellis Bldg
Winnipeg, MB R3T 2N2
Phone: 204 474-8153, Fax: 204 474-7642
Email: lynda.closson@umanitoba.ca
Past issues of the Soiled Profile are on our webpage: umanitoba.ca/afs/soil_science/

25 August 2017

Upcoming:


Saturday, Sep 9 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 5:00 p.m.**

Friday, Sep 22 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 5:30 p.m.**

Tuesday, September 26, 1:00 p.m., Room 346 Ellis Building – Department of Soil Science, Ph.D. thesis defense, Surajum Munira. “Competitive Sorption Interactions of Organic and Inorganic Chemicals in Soils”

Department Staff Away:

Don Flaten Aug 23–Sep 1 (vac)
David Lobb Sabbatical July 01 – December 31, 2017
Mario Tenuta Sabbatical July 01 – December 31, 2017

News:

**Graduate Student Success Last Week**
On Wednesday, August 16, Johanna Theroux successfully defended her M.Sc. On Thursday, August 17, Amanda Taylor successfully defended her Ph.D. Congratulations!!

**Paper of the week:**
Come join the band
The Band is continuing to have jam sessions on Fridays at noon in Room 346 (just because it is so much fun!). If you are so inclined, you are invited to bring your instrument and/or voice and join in.

Don Flaten and David Lobb at the Summit on Canadian Soil Health in Guelph
At the Summit on Canadian Soil Health this week in Guelph, Don moderated a panel on “A Science Perspective on Soil Health Discoveries and Technical Gaps” and David delivered an invited presentation on “Soil Degradation – The Cost to Agriculture and the Economy”. David’s estimate of soil erosion in Canada causing annual losses of $3.2 billion due to the accumulated decline in the soil’s inherent productivity surprised some of the workshop participants, but the documentation for this estimate was thorough and sound. Thanks Don and David for your contribution to this very important issue.

Don took a photo of David in action.

Prof BBQ and Golf Tournament on August 18
The Prof BBQ was a hit and very well attended last Friday. The weather was beautiful, the food was excellent and the music was great. Thanks to all the profs who contributed to making it happen and to all the band members for lending their voices and instruments to the occasion.

The golf challenge that followed at the Canoe Club was a great time for all 5 teams who took part. There were prizes awarded too!!!

Results:
Winning team with the lowest score: Matt Wood, Natasha Klassen, Greg Wiebe, Justice Zhanda
Runner up team with 2nd lowest score: Brad Sparling, Priscillar Wenyika, Kate Dorrian, Jasper Sparling
Longest drive: Matt Gervais
Closest to the Pin: Matt Wood
Raffle prizes: Andy Hector, Megan Westphal
Opportunities:

Roma Zenovea Hawirko Graduate Scholarship

This award is for a student who is conducting a clearly defined and innovative research project in the area of microbiology. Further details and eligibility of the award is found in the FGS database.

Some details:
1) As at Fall 2017 is enrolled full-time in the Faculty of Graduate studies in the first or second year of any Ph.D. program delivered by a department in the Faculty of Science or the Faculty of Agricultural and Food Sciences;
2) Has achieved a minimum degree grade point average of 3.5 (or equivalent) based on the last 60 credit hours of study (or equivalent);
3) The award is valued at approximately $8000.

The deadline for application is September 6, 2017. For questions, ask Laura McMillan, Awards Assistant, Faculty of Graduate Studies, T 204.474.8089, F 204.474.7553
Work-Study Position, CREATE H2O and Centre for Human Rights Research, Univ. of Manitoba

Are you a full-time student in fall and winter terms? Do you have a 2017-2018 government loan or full Indigenous sponsorship? If you are interested in gaining experience in research methods (surveys and literature review) and learning about traditional knowledge and water issues in First Nation communities, please consider applying for this work-study position.

Supervisor: Wendy Ross, H2O program coordinator. Remuneration: $13.50/hour

Student application deadline: September 12, 2017.

To apply: https://uofmcareerservices.ca/home.htm. (You will need to register or log onto careerCONNECT)
Please refer to Work-Study position number: WS201718-50.

Soil Scientist/Agronomist, Soil Health Institute, Raleigh, NC

Seeking an experienced, professional Soil Scientist/Agronomist with expertise in both fields for a 1-3 year term appointment, per annual performance contracts. The incumbent will serve as a Project Manager, managing SHI’s initiative to identify and develop widely acceptable soil health measurements, standards, and a comprehensive evaluation program that relates soil health evaluation to quantified productivity, economic and environmental outcomes.

Duties include:
- engagement with selected long-term agricultural research site leaders in the U.S., Canada, and Mexico to evaluate soil health measurements and their relation to productivity, economic, and environmental outcomes;
- securing a competitively awarded contract with an analytical laboratory for conducting prescribed soil health analyses following established QA/QC criteria;
- oversight of soil sampling and data collection from partnering locations;
- development of critical analysis and review of SHI Tier 1-3 measurements as well as existing soil health evaluation programs;
- oversee the integration of information gained from this project into a definitive, comprehensive soil health evaluation program for the nation; and
- prepare and publish findings for scientific and agricultural producer/field practitioner audiences.

A Ph.D. in Soil Science and/or Agronomy with demonstrated research experience linking both fields, is required. Research-level expertise in soil health, agronomy, agricultural production and resource management practices is required. Residence during the appointment at the Soil Health Institute's office near Research Triangle Park is preferred but negotiable. Position will report to SHI’s Chief Scientific Officer. Compensation to be commensurate with experience.

To apply, send a letter of application, curriculum vitae, list of publications, and the names/contact information of four references by September 10, 2017 to Mr. Byron Rath: brath@soilhealthinstitute.org. Please include "Project Manager" in the email subject line.

Precision Agronomist, Farmers Edge, Winnipeg, MB

Reporting to the Hub Operations Manager, the Precision Agronomist is the key role responsible to deliver agronomic support to growers in the region.
Education and Experience:

- Bachelor’s degree or diploma in Agriculture.
- CCA accredited candidates preferred. Candidates without will be expected to complete this designation.
- Strong understanding of agronomy and/or precision agronomy including but not limited to:
  - Cropping systems and farming practices in the region
  - Fertilizer types and blends
  - Seed and drainage regulations
  - Location farm equipment.
- Previous experience doing data collection for R&D purposes, growth staging, recognizing disease, weeds, growth, and other environmental pressures.
- This position requires registration with the Agrologists Institute in the applicable province of operation.
- Understanding of basic meteorological data and how it relates to crop production.
- Technologically inclined.
- Strong customer service skills and problem solving abilities.

Farmers Edge offers a very competitive compensation package. Salary dependent on qualifications and skill. Attractive performance bonus along with health benefits, retirement plan and company vehicle.

Please visit Farmers Edge application page to apply (click here).

Events:

**Canadian Science Publishing, 2nd Annual Image Contest**

Canadian Science Publishing is now running its second annual image contest called Visualizing Science 2017. The contest runs from August 1st to 31st.

To learn more about the contest, you can read all the details at the Canadian Science Publishing Blog: [http://www.cdnsciencepub.com/blog/2017-csp-image-contest-visualizing-science.aspx](http://www.cdnsciencepub.com/blog/2017-csp-image-contest-visualizing-science.aspx).

**Webinar, American Society of Agronomy/Soil Science Society of America, 11:30 a.m., Sep 12, 2017**

**Nutrient Management and Water Quality: Toolbox for Success.**

Sustainable Water Quality from a Nutrient Management Perspective! This webinar will show the resources available to develop strategies you can take to your growers!

- Current status of nutrient management fertilizer application regulations
- Means of nutrient loss / nutrient inefficiency in agricultural production
- Water quality impacts of excess / inefficient nutrient application
- 4-R nutrient Stewardship
- Nutrient management Best Management Practices and technologies to improve water quality
- Sustainability

[Registration Link](#). Questions? Need Help with Registration? Contact: Michele Lovejoy, (608) 268-4947
Online UAV Ground School, Brandon University

Upon successful completion of the course you will receive a certificate of completion recognized by Transport Canada and will be eligible to transfer the course credit to your home institution.

Course Outline:
Part 1: Self-Directed Online Study (30 hrs.)
- Canadian Aviation Regulations
- Flight and Aerodynamic Theory
- Aeronautical Safety
- Meteorology
- Aerodromes and Airports
- Operating and Flight Rules
- Maps and Charts
- Air Law
- Radio Theory
- Flight Operations
- Pre-flight Planning
- Pilot Navigation
- Dealing with Emergencies
- Weather Constraints
- Human Factors
- Pilot Discipline

Part 2: Class/Online Instruction (18 hrs.)
- Communicating with NAV CANADA
- Understanding Aeronautical Charts
- Mission Planning
- Airspace Recognition
- Essentials of Meteorology
- Regulations and Safety
- SFOC Application Process
- Insurance Requirements
- Radio Procedures
- Experiential Scenario Analyses

Course Fees: $600, includes admission, tuition fee and textbook.

Registration Deadline, September 1, 2017. Space is limited. To register please contact: Dr. Dion J. Wiseman, wiseman@brandonu.ca.