

2016 SOIL AND WATER MANAGEMENT AND CONSERVATION BUSINESS MEETING

November 9, 2016, 1:30-2:30 p.m.

PCCN 127B

Jane Johnson, Presider

Meeting based on the Agenda

Jane Johnson called the meeting to order at 1:30 pm. Motion was made to accept the meeting agenda, which was seconded and the agenda was approved without changes.

Introduction of Officers and Committee Chairs

Jane Johnson highlighted the Officers and Committee Chairs for the Division listed below. She also asked for any changes needed. No changes were suggested.

o Chair: Jane Johnson, jane.johnson@ars.usda.gov

o Chair Elect: Humberto Blanco hblanco2@unl.edu

o Past-Chair: Chair: David Huggins, dhuggins@wsu.edu

o Agricultural Soil and Food Systems Group SSSA Board Reps: John Kovar (2014-2016), Alan Franzluebbbers (2015-2017) Richard Ferguson rferguson1@unl.edu (2016-2018):

• 2017

o Chair -Humberto Blanco hblanco2@unl.edu

o Chair elect – Hero Gollany , hero.gollany@ars.usda.gov

o Past Chair – Jane Johnson, jane.johnson@ars.usda.gov

o Agricultural Soil and Food Systems Group SSSA Board Rep (2017-2019): John Grove jgrove@uky.edu

• Committee membership 2016

o Soil and Water Conservation Scholarship: Jerry Lemunyon (Chair), Florence Cassel-Sharma, Dory Franklin, Chris Gross, Erin Brooks, and David Huggins.

o Young Scholar Award: David Huggins (Chair), Tom Sauer, Alan Franzluebbbers,

o Graduate Student Award: Clark Gantzer (Chair), Humberto Blanco, Abbey Wick

o Nominating Committee: David Huggins (Chair), Tom Sauer, Alan Franzluebbbers, Jeff Strock

o SSSA-SWCS Joint Symposium: Jeff Strock (Chair), Clark Gantzer, Chris Gross, Veronica Acosta-Martinez and Rebecca Power

o Best Paper Award: Maria Lucia Silveira (Chair), Francisco Arriaga, , Michael Castellano

o Mark Liebig, Sjoerd Duiker, Laura Good, Gilbert Sigua

o Graduate Student Poster Award: David Huggins (Chair) – Judges Matt Smith Dr. Ahmed Al-Busaidi Tanjila Jesmin, Artemi Cerdà, Leonard Githinji, Dorcas Franklin, Rob Michitsch, Lin Handayani Upasana Ghosh, Neil Hansen, Wei Zheng, Amy Swan

o Graduate Student Oral Presentation Award David Huggins (Chair) Judges- Shad D. Nelson, Heather Dose, Changyoon Jeong. Lin Handayani, Jodi Johnson-Maynard, Matt C. Smith

Review of Sessions/Symposia

• Symposium--Climate Mitigation from Soil - Meeting COP21 Initiative Goals (Tuesday)

Session – oral and poster options

Jane Johnson indicated that there were more oral and poster presentations in 2016 than in 2015. She thanked everyone who submitted presentations, led the sessions, judged the presentations, and supported many other Division activities to make the meeting a success.

- Climate Change Impacts on Soil and Adaptation Strategies – One session Sunday
- Soil and Water Management and Conservation – Four sessions: Sunday, Monday, Wednesday
- Soil Management Impacts on Soil Properties and Soil C and N Dynamics – Three session Monday, Tuesday and Wednesday (included Student competition)
- Greenhouse Gas Emissions and Mitigation from Managed Lands (includes student competition)
- Quantifying and Predicting Soil Ecosystem Services for Water, Food, Energy and Environmental Security

Sunday – two sessions: Monday- four sessions plus posters; Tuesday two session plus posters; Wednesday- three plus posters

Total presentations within division in 2016: 84 oral and 76 posters (in 2015: 77 oral, 62 poster (totals at Minneapolis).

Award Presentations

Awards were presented in the following order:

- Young Scholar Award (presenter - David Huggins): none. David indicated that no applicants were received and emphasized that this Award should be advertised more in future years.
- Best Paper Award (presenter - Maria Lucia Silveira):
 - o Blanco-Canqui, Humberto, and R. Lal. 2009. "Corn Stover Removal for Expanded Uses Reduces Soil Fertility and Structural Stability" *Soil Science Society of America Journal* 73 (2):418-426.
 - o Poirier, Vincent, Denis A. Angers, Philippe Rochette, Martin H. Chantigny, Noura Ziadi, Gilles Tremblay, and Josée Fortin. 2009. "Interactive Effects of Tillage and Mineral Fertilization on Soil Carbon Profiles." *Soil Science Society of America Journal* 73 (1):255-261.Maria presented the certificate of Best Paper Award to Humberto Blanco. The rest of the certificates will be mailed to the rest who were not present at the meetings.
- Soil and Water Conservation Scholarship (presenter - Jerry Lemunyon): The funding for the scholarship comes from ASF (contributions to the fund welcome). Winner: Jeffrey Svedin, master's student at Brigham Young University. Jeff's major professor is Bryan Hopkins, Department of Plant and Wildlife Sciences at BYU.

Awards were also presented to the graduate student poster and oral presentations as follows:

- Graduate Student Poster Awards 31 competitors(David Huggins presenting):
 - o 1st place Water Quality Investigations of on-Farm Water Storage Systems in Mississippi: Lessons Learned and Future Directions. **Juan Perez-Gutierrez***, Mississippi State University; Joel Paz, Mississippi State University; Mary Love Tagert, Mississippi State University
 - o 2nd place Cropping System Effects on Wind Erosion Potential. **Cassandra Schnarr***, Colorado State University; Meagan E. Schipanski, Colorado State University; John Tatarko, USDA-ARS
 - o 3rd place Earthworm Influences on Nitrogen Mineralization in Agroecosystems.

- **Shane Stoner***, University of Idaho; Jodi L. Johnson-Maynard, University of Idaho; Ian Leslie, University of Idaho; Daniel G. Strawn, University of Idaho; David R. Huggins, USDA-ARS

Graduate Student Oral Award (9 competitors) (David Huggins presenting)

- 1st place: Impacts of Cattle Grazing of Corn Residues on Soil Properties after 16 Years. **Manbir Kaur Rakkar***, University of Nebraska-Lincoln; Humberto Blanco, University of Nebraska - Lincoln; Mary Drewnoski, University of Nebraska-Lincoln; Jim MacDonald, University of Nebraska-Lincoln; Rhae A. Drijber, University of Nebraska - Lincoln; Terry J. Klopfenstein, University of Nebraska-Lincoln
- 2nd place (\$200): Cropping System Effects on Soil Organic C Storage in Surface and Subsoils” **Hanna Poffenbarger***, Iowa State University Cynthia A. Cambardella USDA-ARS National Laboratory for Agriculture and the Environment – Ames, Matt Liebman, Iowa State University, Antonio P. Mallarino, Iowa State University Daniel C. Oik, USDA-ARS National Laboratory for Agriculture and the Environment – Ames, Ann E. Russell Iowa State University, Johan Six, ETHZ, Zurich, Switzerland, and Michael J Castellano, Iowa State University, Ames, IA
- 3rd place (\$150): “Effect of Long-Term Tillage and Nitrogen Fertilizer Management on Soil CO₂ Emissions.” **Diana Zapata***, Texas, Texas A&M University, College Station, TX, Nithya Rajan, P.O. Box 1658, Texas A&M University, College Station, TX and Frank M. Hons, Department of Soil and Crop Sciences, Texas A&M University, College Station, TX

SWCS Liaison Report (Jeff Strock)

Jeff Strock informed that there was a good attendance at the symposium when it was held in conjunction with SWCS in Louisville, KY this past July. About 68 people attend the session in Phoenix. Jeff is working with Jorge Delgado for the 18th Joint Symposium which will be held in Madison, WI and Tampa, FL in 2018.

SSSA Board Representative Report

Alan Franzluebbbers provided a detailed report from the SSSA Board, which includes representatives for Agricultural Soil & Food Systems: John Kovar (2014-2016), Soil & Water Mgmt & Conservation: Alan Franzluebbbers (2015-2017), Soil Fertility & Plant Nutrition: Richard Ferguson (2016-2018), and Nutrient Mgmt & Soil & Plant Analysis: John Grove (2017-2019)

He noted that the SSSA Board developed and approved a new Strategic Plan. Members should review this plan at soils.org on the “About Society” page and provide feedback to the Board.

The 2017 Tri-Societies Meetings will be held in Oct 22-25 in Tampa, FL with a theme “Managing global resources for a secure future”. The 2018 Annual Meetings ASA & CSSA will be held in Baltimore MD on Nov 4-7, 2018, while the SSSA meeting will be held in San Diego CA on Jan 6-9, 2019. The first-ever North American Soil Science Meeting will include Soil Science Society of America,

Canadian Soil Science Society, and Mexican Soil Science Society, and possibly the Latin American Society of Soil Science

The 2019 Tri-Societies Meetings ASA-CSSA-SSSA will be in San Antonio TX, Nov 10-13.

The Agronomic Science Foundation supported 15 Golden Opportunity Scholars and 6 Greenfield Scholars at the meeting in Phoenix. The Golden Opportunity Scholars program celebrated its 10th anniversary this year with a participation of 188 undergraduate students. Members should input and express interest in Farm Bill Task Force through Science Policy Office (SPO) and congressional visits.

The SSSA Membership has declined by 9% from 2015. Current number is 6296.

To boost membership, SSSA participated in the USA Science and Engineering Festival in Washington, DC (>150,000 attendees)

A call was made for Candidates for the 2017 Ballot. Two to four candidates are needed for the following: Division Chair-Elect, Board Representative for Agricultural Soil and Food Systems, and SSSA President-Elect. Nominations should be sent to Sara Uttech and Board Representative until Nov 30, 2016

Report from SSSA Program Chair – none

Technical Editor Report (Brian Wienhold – outgoing /Shannon Osborne-incoming)

Brian Wienhold has completed his term as the Technical Editor and will step down in 2017. Shannon Osborne will be the new Technical Editor. Three associates editors are retiring and being replaced with three new editors. Brian mentioned that the impact factor of SSSAJ is below 2 and should be improved. He also suggested that publishing review papers can be one of the strategies to increase the impact factor. About 40% of papers submitted to SSSAJ are accepted, which is in line for most soil science journals.

Call for Nominations:

Nominations for 2019 Division Leader are being accepted. Members can nominate someone or nominate themselves. High number of nominations will be important to make the process more competitive and democratic. Contact the Dave Huggins, Tom Sauer, Alan Franzluebbbers or Jane Johnson with nominees before Nov 28, 2016, 2016.

Nominees for SAWMAC Division Chair announced by Nominated committee

Maysoon Mikha (USDA-ARS-Akron CO) – announced by Nominated committee during business meeting.

Doug Karlen nominated to be put forward as candidate for SSSA president-elect

Alan Franzluebbbers indicated he was willing to be placed on the ballot for another term as SSSA Board Representative. Additional nominations can be accepted.

Call for 2017 Symposium and Topic Sessions

Suggestions for 2017 symposia/sessions will be done by email till early December in 2016. Send suggestions to Humberto Blanco – 2017 Division Chair

Maysoon Mikha suggested to keep the Soil Management Impacts on Soil Properties and Soil C and N Dynamics and that she would be willing to serve as moderator.

Best Paper Award Criteria review –

Maria Lucia Silveira led the discussion on the need to reconsider the current Best Paper Award Criteria. She highlighted that the current Best Research Paper for SSSA Division S-6 Guidelines involves a two-step review process. The concern with the current Guidelines is:

- Papers with the highest citations have a greater potential to be selected for the award
- Citations may not be a direct measure of quality/impact
- A concern was raised that if citations are eliminated as a criteria, there is room for bias

The Best Paper Award committee proposed the following changes:

- Use citations to select the top papers (perhaps consider more than 5-6 papers?)
- For consistency, Scopus tabulation for initial screening should be done by one person (SSSAJ staff or student).
- Deemphasize the citation numbers in the scoring scheme and use scientific judgment to determine the best/most impactful paper(s)

After discussions and meeting time constraints, the consideration of the proposed changes was tabled. An electronic discussion and vote will be pursued.

Continuation of awarding plaques for Young Scholar Award, which is a non-monetary award

Jane Johnson proposed whether to award Young Scholar Award with plaques or certificates. After discussions, the decision was to continue with awarding plaques.

Other Business

Mahdi Al-Kaisi talked about the 2017 Soil Health Conference, which will be held at Iowa State University on February 16-17, 2017. He invited everyone to attend the meeting where topics relevant to soil health will be discussed. He mentioned that poster presentations are being accepted.

The meeting was adjourned at 2:30 pm.