

**Professional Soil Scientists Association of South Dakota  
Annual Meeting  
Friday, March 9, 2007  
Room 300**



**Agenda**

8:30-8:50	Registration	
8:50-9:00	<b>Welcome</b>	Roger Assmus
9:00-9:30	<b>Detailed Elevation Maps for Soil Survey Updates</b>	Jim Millar
9:30-10:00	<b>SunGrant Update</b>	Jim Doolittle
10:00-10:30	<b>Soil Carbon and Productivity Issues – A Literature Review</b>	Anthony Bly
10:30-11:00	<b>Reconstructing Pre-Agricultural Prairie Wetland Bathymetry using Sediment Markers</b>	Craig Novotny
11:00-11:30	<b>Phosphorus Runoff at a Watershed Scale</b>	Dave German
11:30-12:00	<b>Clay Minerals and the Origin of Life</b>	Roger Assmus
12:00-1:00	Lunch – on your own	
1:00-1:45	<b>Hunting Nutrients and Trapping Carbon</b>	Kris Nichols
1:45-2:15	<b>Soil Quality: Melting Pot or Mosaic</b>	Tom Schumacher
2:15-2:35	<b>The New SDSU Agronomy Farm Soils</b>	Bruce Kunze
2:35-2:45	Break	
2:45-3:30	<b>Business Meeting</b>	
Posters	<b>Tillage Erosion Coefficient Development for the Chisel Plow</b>	Joe Schumacher
	<b>Smithsonian Soil Exhibit</b>	Bruce Kunze

## **PSSASD President's Particles**

Thanks to Ron for putting together an interesting program. Thanks to all who have volunteered as a speaker or will be presenting a poster. A special thank you to Yvonne Haefner for donating \$500 as a matching fund to help raise the last \$1000 needed for the Smithsonian Display. Last fall we had a joint meeting of the North Dakota and South Dakota SRM, SWCS and Soil Scientists. It was a very good meeting with many participants and a very good opportunity to meet our counter parts from North Dakota. The meeting was followed by a tour of Ordway Memorial Preserve where part of the tour was a discourse on the upland and wetland soils led by Bruce and Roger. Later that afternoon we had a tour of the Heartland Grain Fuels Ethanol Plant west of Aberdeen.

Hope to see you in Huron on March 9. If you can not attend, the dues form is near the end of the newsletter.

Roger

## **Editor's Alluvium**

Thank you everyone who contributed to this newsletter. Working with you makes the editor's job easy. The program is interesting. Make plans to attend if at all possible.

The photo at the right is a brain teaser. On Feb, 20, 2007, I pushed by 1 5/8 inch probe into the soil at the edge of a wetland. I pushed the probe in about 30 inches, but about 41 inches of core came out or 11 inches more. As the probe was being pushed, the soil came up the probe. The probe is at the bottom of the hole and has not been raised. Why the increase in the length of the sample??



## **Nomination Committee**

This year, President-Elect and Vice President will be elected. Nominations are as follows:  
President-Elect - Denise Miller  
Vice President – Tom Schumacher (SDSU).

Thank you for volunteering to serve. The members of the nominations committee are Bruce Kunze, Walt Schaefer, and Dan Shurtliff.

## **Business Meeting**

### **Old Business**

- Committee Reports
- Report on the PSSASD website
- Smithsonian Soils Exhibit
  - o Report on fund raising to date
- Other Old Business
- Texture Kit Sales
- Election of Officers
- Anthony Bly assumes Presidency for 2007-8

### **New Business**

1. Special Presentation
2. Articles for Dakota Farmer (submit presentations from annual meeting) This would give us exposure. Similar idea to Rural Appraisers.
3. Post meeting presentations on web-site.
4. Position statement on cellulosic ethanol as it pertains to our constitution and by-laws (conserving natural resources).
5. Summer meeting?
6. Other new business.
7. Adjourn

## **Committee Assignments**

First person listed under each committee is chair.

### **Membership**

Tom M. Schumacher  
Jerome Schaar  
Jim Gerwing  
Steve Winter  
Robert Neilson

### **Constitution – By laws**

Wayne Bachman  
Everett White  
Kent Cooley  
Kim Kempton  
Jim Stukel

### **Ethics**

Jim Doolittle  
Ken Heil  
Ed Ensz  
Lawrence Fine  
Dan Brady

### **Nominations**

Bruce Kunze  
Walt Schaefer  
Dan Shurtliff

### **Public Relations – Education**

Tom E. Schumacher  
Anthony Bly  
Cindy Steele  
Ron Gelderman  
Doug Malo

### **Executive Board**

Bruce Kunze – Past President  
Roger Assmus - President  
Anthony Bly – President-Elect  
Ron Gelderman – Vice President  
Dan Brady – Secretary-Treasurer

### **Finance**

Jim Millar  
Arvid Meland  
Greg Carlson  
Lance Howe  
Jim Westerman

## **Minutes of the March 10, 2006 Annual PSSASD meeting**

President Bruce Kunze called the meeting to order on March 10, 2006 at Huron, South Dakota with 24 members present.

Bruce read an excellent letter of greetings from Larry Fine.

Committees reports were requested. Tom E. Schumacher reported on the PSSASD WEB site. It is now current and is working. There was some discussion on information we should put on the web site. The general consensus was to put current and past newsletters on it and to only use business telephone numbers.

Doug Malo Reported on the Regional Soil Judging Contest and thanked those who worked to make it a success.

Eugene Preston offered to read the minutes from the last meeting. Motion by Doug Malo, second by Arvid Meland to approve the minutes of the March 11, 2005 annual meeting as written in the newsletter. Motion carried.

Eugene Preston presented the treasurers report. The Smithsonian donations sent in during the year were \$3425.00. These included three major donations from the Conservation Districts, South Dakota Chapter of the Soil and Water Conservation Society and East Dakota Water Development District. We have not matched the large donations yet. Motion by Arvid Meland, seconded by Tom Schumacher to approve the Treasurers report. Motion carried.

Doug Malo explained he would like the donation from the Regional Soil Judging contest dinner to read From South Dakota Natural Resources Conservation Service Staff  
Jim Stuckel asked if State Agencies had been contacted yet. They have not yet been contacted. He thought this could be part of grants they give toward education. There was further discussion on this and it was decided the committee formed last year should contact some state agencies. The committee to pursue Smithsonian donations includes Kent Cooley, Bruce Kunze, Dan Shurtliff, Denise Miller, and Jim Millar.

Bruce Kunze thanked all the officers that served the past year.

### **Nominations:**

Walt Schaefer presented the nominations of Anthony Bly, President Elect; Ron Gelderman, Vice President; and Dan Brady, Secretary-Treasurer. Doug Malo motioned that nominations cease and the nominees be accepted. Jim Doolittle seconded the motion. Motion passed.

Bruce Kunze presented a plaque to Eugene Preston for serving as secretary-treasurer from 1998 to 2006. Thank you PSSASD members.

### **NEW BUSINESS**

Roger Assmus assumed the duties of President and presented a plaque to Bruce Kunze thanking him for serving as president this past year.

There was discussion regarding the possibility of moving the bank account to a bank with statewide branches. Eugene Preston reported there would be a monthly fee if the account was below \$1500 at Great Western Bank. All banking has been done for about 4 years by mail. Motion by Jim Doolittle, second by Bruce Kunze to allow the Secretary-Treasurer to make the decision to move or not move the bank accounts while minimizing costs and fees. Motion Carried.

Tom Schumacher motioned that we meet with The Soil and Water Conservation Society and Society of Range Management October 5-6 in Aberdeen. This would be our summer meeting. Kent Cooley seconded motion.

Bruce Kunze announced the Friends of the Pleistocene meeting at Bismark on June 3-4, 2006. Anyone wishing to attend should contact Bruce.

There was some discussion on what should be on the PSSASD Web site. The general consensus was to not include personal information. Use Office information. The Current Newsletter, Membership Form, Houdek Soil Brochure, and Smithsonian Information are currently on the site. Past Newsletters should be kept on the site. The public relations committee should monitor the web site contents and be consulted if there are questions.

Jim Millar informed us about the Education Booklet, which he, Kent Cooley and Barb Hall put together for demonstrating soil properties in classrooms.

Jim Millar motioned, Jim Doolittle Seconded that PSSASD collect soil texture samples to distribute to Ag in the Classroom at a nominal fee which would go toward the Smithsonian exhibit. Motion passed. Motion by Jim Doolittle, seconded by Bob Nielson to adjourn. Motion passed.

Submitted by Eugene Preston with assistance from Dan Brady

### **Minutes of the October 5, 2006 PSSASD meeting**

President Roger Assmus called the meeting to order on October 5, 2006 poolside in the Ramada Inn at Aberdeen, South Dakota with the following members present:

Ron Gelderman  
Jim Gerwing  
Jim Doolittle  
Wayne Bachman  
Eugene Preston  
Arvid Meland  
Bruce Kunze  
Roger Assmus

Bruce Kunze reported that we had reached \$8840 in donations for the Smithsonian exhibit and that we still needed \$1160. Wayne Bachman made a motion to send out a letter in November to all members asking for donations for the Smithsonian exhibit and then make up the difference from our treasury. Ron Gelderman seconded. Motion passed.

It was decided to have the March meeting the Friday of spring break week at Huron, SD.

Arvid Meland made a motion to adjourn. Ron Gelderman seconded. Motion passed.

Submitted by Roger Assmus

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## Membership Dues Notice

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If you have not paid your PSSASD membership dues for calendar year 2006, please mail your \$15.00 dues.

Send payment to: Dan Brady, Secretary-Treasurer, PSSASD  
1530 Samco Road Suite 3.  
Rapid City , SD 57702

Name \_\_\_\_\_  
Address \_\_\_\_\_ Zip \_\_\_\_\_  
Home Phone \_\_\_\_\_ Work Phone \_\_\_\_\_  
Email address \_\_\_\_\_  
Payment Enclosed \_\_\_\_\_