

Professional Soil Scientists Association of South Dakota  
Annual Meeting  
Friday, March 11, 2005  
Room 300  
Federal Building, Huron, South Dakota

8:30-8:50	Registration	
8:50-9:00	Welcome	Walt Schaefer
9:00-9:30	Evaluating P loss Potential of Dominant Agricultural Soils in South Dakota.	Angela Guidry
9:30-10:00	Soil Temperature and Moisture Comparisons in Tillage Systems	Howard Woodard
10:00-10:30	Deeper Than Deep Fertilizer Placement	Anthony Bly
10:30-11:00	Digging in to Monitor Soil-Climate Interaction: Improvements in Soil-Climate Monitoring	Dennis Todey
11:00-11:30	Soil of San Juan Island, WA	Bruce Kunze
11:30-12:00	Organic Carbon effects on Aggregate Wettability	Tom Schumacher
12:00-1:00	Lunch	
1:00-1:30	Future of Precision Farming	Greg Carlson
1:30-2:00	Soil Science Institute II, Geomorphology	Eugene Preston
2:00-2:20	Post-fire Effects on Soil Organic Carbon in Steep Chaparral Watersheds	Susan Akers
2:20-2:35	Demonstration of Bird's Eye View of Soils	Jerome Schaar
2:35-2:45	Break	
2:45-3:30	Business Meeting	

**Poster presentations (to be viewed at your leisure)**

Howard Woodard - Soil Carbon Changes in Transitional Grain Crop Production Systems

Ron Gelderman - Impact of organic matter removal on particle size analysis by pipette and hydrometer

Bruce Kunze - Wet Soil Moisture Status Frequency and Duration for Well Drained Soils

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**Membership Dues Notice**

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If you have not paid your PSSASD membership dues (this is separate from Certification dues) and do not plan to attend the March meeting, please mail your \$15.00 dues.

Send payment to: Eugene Preston, Secretary-Treasurer, PSSASD  
904 East Fir Street.  
Brandon, SD 57005

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

**PSSASD PRESIDENT'S PARTICLES**

Most of 2004 was spent assisting South Dakota State University with site selection, and describing and sampling of the practice and contest pits for the SDSU hosted, 2005 Regional Soil Judging Contest to be held the last week in September, in the Black Hills area. A big thanks goes out to PSSASD members who have already participated in this effort: Dan Brady, Kent Cooley, Doug Malo, Jim Millar, Denise Miller, and Jim Westerman.

For those who feel left out, there are still plenty of opportunities to get involved. The judging cards that Doug sent out need to be reviewed and revised (see attachment). Once the lab data is received, the soil descriptions of the practice and contest pits will need to be revised. A week or so before the contest, the pits will need to be unearthed and fenced off. The profiles must be prepared for the contestants, and cross-checked with the revised official descriptions. Maps with directions to the practice and contest sites (separate of course) will need to be prepared. Practice sites not readily visible from the road will need to be marked so they can be easily located by the contestants. In addition, the night before the contest, a meeting will need to be held between the judges and the students to go over the answers to the practice sites. Pit proctors and scorers are needed as well. Volunteers for any of the above activities will be greatly appreciated. Please contact Doug Malo or Kent Cooley if you would like to participate.

Doug Malo is also planning a tour of the Badlands and southern Black Hills on the weekend prior to the contest. He will be sending out more information in the next few weeks. Here is another opportunity for PSSASD to get involved.

In conclusion, I think PSSASD members have the capability and opportunity to help host the best Regional Land Judging Contest in the nation!

Walt Schaefer  
PSSASD President

## **Minutes of the March 12, 2004 Annual PSSASD meeting**

President Dan Shurtliff called the meeting to order on March 12, 2004 at Mitchell, South Dakota with 18 members present.

He asked us how we liked the joint meeting with the Professional Appraiser Association of South Dakota and the South Dakota Chapter American Society of Farm Managers & Rural Appraisers (ASFMRA). Some favorable discussion followed.

Paul Reisch briefed us on ASFMRA and their plans for their summer meeting this year in Sioux Falls.

Eugene Preston read minutes of the last Annual meeting. Motion by Wayne Bachman, second by Tom Schumacher to approve the minutes as read. Motion carried.

Eugene Preston read treasurer's report. Motion by Doug Malo, second by Denise Miller to approve the treasurer's report. Motion carried.

**Jim Millar reported on the soil texture and structure kit. This project raised about \$1,000 net for the Smithsonian Soil Exhibit. There was some discussion about putting together a Power Point presentation for Land Judging.**

Dan Shurtliff reported on the fund raising efforts for Smithsonian Soil Exhibit and asked for suggestions for potential donor organizations. We have sent out one mailing to members and former members.

Doug Malo reported on the plan to change the administration of the soil science part of ARCPACS through the Soil Science Society of America.

ASA and SSSA will be conducting a survey of soil scientists during the next three months.

Doug Malo reported the 2005 Regional Soil Judging Contest will be West River. Kent Cooley is organizing sites and lodging. NRCS has allocated time for digging and filling in sites. SDSU is responsible for Site characterization. Teams will visit practice sites on Monday, Tuesday, and Wednesday. The contest will be on Thursday. They will receive awards on Friday and return home.

This year we will need to check the potential sites. Eight members indicated they should be able to help in May or June. Walt Schaefer and Kent Cooley will plan the time and location.

## **Committee Reports**

## **Nominations:**

Bruce Kunze—President Elect  
Arvid Meland —Vice President  
Eugene Preston— Secretary -Treasurer

## **NEW BUSINESS**

Wayne Bachman moved that nominations cease. Kevin Wegenke seconded the motion. The nominations were approved.

Walt Schaefer assumed the duties of President for 2004.

Dan Brady presented Jerry Schaar with the Golden Spade Award for attending the Soil Science Institute last year.

Doug Malo reported money would be needed for the regional contest awards. Some money is available from funds at the SDSU foundation. No action was taken at this time.

Dan Shurtliff reported \$400,000 was the overall Smithsonian goal to reach by June this year so that an architect can be hired. The goal is to have the exhibit completed in 2006.

Bruce Kunze motioned that we have a round of applause to thank Wayne Bachman and Dan Shurtliff for setting up the meeting, the outgoing officers for serving the last year and a half and the new officers for agreeing to serve this next year.

Motion by Arvid Meland, seconded by Tom Schumacher to adjourn. Motion carried.

Submitted by Eugene Preston

## **Smithsonian Soils Exhibit**

Following is the web site to find information on the Smithsonian Soils Exhibit. According to the presenters at the Soil Science Society of America Meeting at Seattle in November, the exhibit is going to happen. The extent of the project will depend on the contributions. They said that the state soil monolith display is a sure thing, but some of the other parts of the exhibit are not as sure. To date South Dakota has contributed \$2700 of which \$2500 is from the PSSASD. **Please give thought to contributing or giving a second contribution to the project.**

Bruce

<http://www.soils.org/smithsonian/>

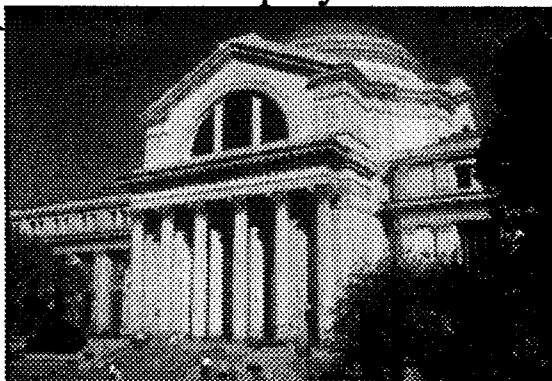
# Smithsonian Soils Exhibit: *Soils Sustain Life*



## Interactive Educational Soil Display

The Soil Science Society of America (SSSA) wants to make sure soils are a key part of the Smithsonian's Earth system science message.

SSSA has organized a committee to help develop exhibit information, help distribute the educational information developed, and involve the profession through contributions of ideas, time and money, which are needed to develop the soils exhibit.



The National Museum of Natural History is the most visited museum in the world, hosting 6-9 million visitors a year.

### **Tentative topics for the exhibit include:**

- Soil as Life

- Role of Soil in the Environment
- Soil Supports Organisms
- Food from the Soil
- Medicine from Soil
- Careers in Soil
- Soil in Cultural History

### Smithsonian State Funds

State	Funds Raised December (12/31/04)	December Percentage of Goal
Alabama	2,300	23.0%
Alaska	3,900	30.0%
Arizona	3,135	31.4%
Arkansas	75	0.8%
California	16,087	160.9%
Colorado	12,639	126.4%
Connecticut	10,012.50	100.1%
Delaware	6,233	62.3%
Dist Columbia	1,875	18.8%
Florida	11,358.87	113.6%
Georgia	7,099	70.0%
Hawaii	770	7.7%
Idaho	2,197	22.0%
Illinois	1,350	13.5%
Indiana	4,510	45.1%
International	575	5.8%
Iowa	1,460	14.6%
Kansas	900	9.0%
Kentucky	265	2.1%
Louisiana	0	0.0%
Maine	0	0.0%
Maryland	5,079	50.8%
Massachusetts	150	1.5%
Michigan	2,260	22.7%
Minnesota	8,379.55	83.8%
Mississippi	1,000	10.0%

State	Funds Raised December (12/31/04)	December Percentage of Goal
Missouri	11,200	112.0%
Montana	10,296.75	102.1%
Nebraska	10,400	104.0%
Nevada	1,350	12.5%
New Hampshire	0	0.0%
New Jersey	7,555	75.6%
New Mexico	240	2.4%
New York	0	0.0%
North Carolina	3,468.22	34.7%
North Dakota	50	0.5%
Ohio	1,959	10.6%
Oklahoma	50	0.5%
Oregon	1,750	17.5%
Pennsylvania	10,400	104.0%
Rhode Island	0	0.0%
South Carolina	3,004	30.0%
South Dakota	2,700	27.0%
Tennessee	50	0.5%
Texas	5,923.45	59.2%
Utah	1,500	15.0%
Vermont	25	0.2%
Virginia	6,450	64.5%
Washington	1,605	16.1%
West Virginia	715	7.2%
Wisconsin	5,805	58.1%
Wyoming	1,870	18.7%
<b>Totals:</b>	<b>194,236</b>	<b>38.9%</b>