



President's Message



Minnesota Association of Professional Soil Scientists

The Auger

David Bauer, PSS

In my first president's message, I'll take the time to introduce myself for those who might not know me. I'll also go over plans in 2011 for continuing education and write about the practice of soil science.

I am in year number 9 of marriage to Tara, a fire fighter / EMT who is in nursing school – definitely a better half. I work primarily for the Rice Creek Watershed District as a stormwater inspector – focusing on erosion control and permanent stormwater management on construction sites.

I have two hobbies that I am fortunate enough to report on my taxes as income, independent movies and coaching jumps for track & field. My athletes know more about the sands, loamy sands, and sandy loams in the landing pits than any other team in the state. Some can even describe the soil forming processes happening that makes the landing pit at the bottom of a steep hill "harder" than others.

As for MAPSS, we will keep up the tradition of providing

quality continuing education at reasonable prices. In the spring, MAPSS members will assist with a soils investigation for stormwater BMPs workshop. Steve Lawler is working up a very interesting tour in Southeastern Minnesota for the summer tour and following it up with a nice technical meeting in the winter in St. Cloud.

Along those lines, the winter meeting of 2010 focusing on new directions and perspectives on soil science was very well-received. According to feedback, nearly every program presented was somebody's favorite of the day.

Ethics training is something that likely will become a requirement for continuing education. Since a big part of the MAPSS constitution is devoted to ethics, it will still be included at the winter meeting. We are also looking into the possibility of web-casts that would also fulfill any potential requirements.

The executive committee will continue to monitor the practice of soil science as affected by any legislation and rule changes. Our executive secretary, Suzanne D'Souza, keeps



David Bauer at 2010 summer tour. Photo by Bob Anderson, PSS.

track of legislation and Peter Miller keeps us up to date on the Board of Licensing. For example, we recently sent a letter to the Governor supporting the Board of Licensing's budget (Board of AEL-SLAGID). The Board is self-funded and crucial to the professional practice of soil science.

As I close, I ask you to direct your thoughtful opinions about the government budget debate to your elected officials. There is a lot of misinformation out there as the media tends to report the most extreme statements on both sides of the political spectrum. This fans emotions and could lead to quick decisions. We have an intelligent and experienced membership and Minnesota would benefit from our opinions.

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Mark Your Calendars!

- August 5, 2011—MAPSS Summer Tour in Chatsfield, MN.
- Geologist conferences in September and October.
- Larson/Allmaras Lecture
- More events on page 3.

Gyles Randall, University of Minnesota Soil Scientist, Retires

Kari Jarco, U of M

After 50 plus years of service to the University of Minnesota, Gyles Randall has retired from his position as Professor in Soil, Water, and Climate at the University's Southern Research and Outreach Center. He dedicated much of that time to analyzing Minnesota farm soils and promoting land stewardship.

Gyles grew up in southeast Minnesota on a small farm and graduated from Wanamingo High School in 1959. He then went to the University of Minnesota for his undergraduate degree in Soil Science, which he received in 1963. Gyles couldn't give up the U of M quite yet, so he stayed on as a Research Fellow from 1965-1969. During that time he was part of the original "Field Crew" which was formed for the purpose of a department resource. It was established as an organized activity to be used by the department to carry out applied field research and is still functioning today.

In 1969 he made the switch from Gopher

to Badger, when he decided to pursue a Ph.D. at the University of Wisconsin. There he worked on manganese fertility and management in various crops. He received his Ph.D. in Soil Science in 1972 and later that year was hired back at the University of Minnesota as a Soil Scientist at the Southern Research and Outreach Center in Waseca, Minnesota. During his time there, he made an impact locally and nationally on issues related to nutrient management, manure management, interactions with tillage, cropping systems, drainage, and effects on water quality.

Gyles' studies have led to a prolific writing career. He has authored or co-authored 104 peer reviewed publications, 15 chapters in books, editor of two books, and 67 fact sheets and bulletins. In 1988, he received the Fellow of the American Society of Agronomy and Fellow of the Soil Science Society of America awards, which are the highest honors a member can receive in those societies. Along with those two prestigious awards, he also received a certificate of excellence award from the American Society of Agronomy for

his bulletin entitled "Tillage Best Management Practices for Water Quality Protection in Southeastern Minnesota," among others.

Gyles has accomplished a lot in his career as a Soil Scientist; his work has been recognized and appreciated by colleagues, producers and policy makers. With an impressive writing career and many awards to his name, Gyles has retired as someone who has made a profound impact on the environment and the University.

We wish Gyles all the best in his retirement, future travels and pastimes.



Congratulations Gyles!

Soils Movie Contest!

David Bauer, PSS

This year MAPSS will be sponsoring a short movie contest. Details are being developed, but a few things are known. Projects will be between 4 and 7 minutes in length and will have to mention the word "mollisol." Naturally, soil needs to be a major component of the story. They can be educational, dramatic, funny, and/or thrilling. MAPSS will be displayed in the opening credits.

First prize will be \$250 and runner-up will receive \$150. All qualifying entries will be shown at a screening in late summer. The two winning projects will be shown at the Winter Meeting.

The contest will be open to any Minnesota resident and relatives of MAPSS members who live out-of-state. Expected entries are adults and students who enjoy making independent movies. The goal is to get 12 entries in the first year.

The project is funded with entry fees and a portion of the proceeds from the MAPSS assistance with a workshop this spring.

If you want to be a part of this new educational and promotional effort, please contact a MAPSS executive committee member.



A blast from the past. Dr. Harold Arneman in 1975

Upcoming Events

April 13, 2011

**Larson/Allmaras Lecture
Big Challenges Surrounding the Tiny**
St. Paul, Minnesota
Flier is attached

August 5, 2011

MAPSS Summer Tour
Chatsfield, Minnesota
www.mnsoilscientist.org

September 11-14, 2011

AIPG-AIH National 2011 Conference—Geosciences: The Road to Sustainable Future
Bloomingdale, Illinois
<http://www.aipg.org/2011/AIPG-AIH.htm>

October 9-12, 2011

**Geological Society of America
Annual Meeting & Exposition**
Archean to Anthropocene: The Past is Key to the Future
Minneapolis, MN
www.geosociety.org/meetings/2011/

December 3, 2010

MAPSS Winter Technical Event
St. Cloud, Minnesota
www.mnsoilscientist.org

Register for the next fundamental or professional soil science exams by at <http://www.aelslagid.state.mn.us/>

Awards, Scholarships, Fellows — Apply by March 22, 2011!

<https://www.soils.org/awards/award/>

Articles for the Summer issue of the Auger will be accepted through May 15, 2011
newsletter@mnsoilscientist.org

Executive Director Update

Board of AELSLAGID

PSS licenses had to be renewed by **June 30, 2010**. If you have not renewed your PSS license, you cannot practice soil science. If you renew, please make sure you have your CEUs before renewing and that you keep supporting information for those CEUs. If you check the box and don't have your CEUs, then you are committing fraud. If you have questions about your CEUs, please read Minnesota Statutes 326.107 (https://www.revisor.mn.gov/bin/getpub.php?pub-type=STAT_CHAP&year=current&chapter=326#stat.326.107.0). Everything you need to know is there.

The dates for the next fundamentals and professional soil science exam have not yet been posted on the Board of AELSLAGID website.

The Board continues to review the model law for geoscientists to determine if any changes are needed. Geoscientists do not have a provision for "work under direct supervision." The remaining board meetings for 2011 are on May 2 (ELSGEO section and full board), June 9 (full board), August 4 (ELSGEO section and full board), September 9 (full board), October 14 (ELSGEO section and full board) and December 2 (full board).

There are 90 professional soil scientists licensed in the State of Minnesota in June, 2009. Other professions licensed by the Board of AELSLAGID consist of: architects (3,352), professional engineers (11,721), professional land surveyors (586), landscape architects (412), professional geologists (560) and certified interior designers (758).

Legislature—2011 Session

The Minnesota State legislative session begins on January 4, 2011. The website for the state legislature is: www.leg.state.mn.us.

Joint Professional Committee

Do you know that the JPC, which is made of up people representing the groups that make up the Board of AELSLAGID, has been around for over 35 years? The next JPC meeting is in April, 2011 at the AIA offices in the International Market Square building in Minneapolis.

Soils Investigation for Stormwater BMPs Workshop

Rice Creek Watershed District and Ramsey Conservation District are hosting a 1-day workshop on soils investigation. The focus will be locating stormwater infiltration areas in urban soils.

The workshop seeks to blend soil investigation techniques in the stormwater management field with those used in the ISTS profession. It is the hope of the organizers that better soils knowledge will reduce the number of BMP failures.

After a brief overview of soil properties, common causes of infiltration failure will be examined in the classroom in the morning. In the afternoon, participants will rotate through three field stations. Stations consist of running a simple perc test, identifying compacted soils, and identifying hydric soil indicators.

MAPSS members are needed to volunteer their time to assist at the field stations. The time commitment is about half a day on Thursday, April 28 in Arden Hills, MN.

For providing volunteers, MAPSS will receive between \$500 and \$1,000 from the workshop registrations. MAPSS will also be listed in the marketing materials, which will be sent to hundreds of stormwater professionals across Minnesota.

If you are interested in volunteering for the afternoon or even attending the full day, please contact Dave Bauer at dbauer@ricecreek.org.

Geological Society of America— Annual Meeting & Exposition

Archean to Anthropocene: The Past is Key to the Future

Minneapolis, Minnesota

October 9-12, 2011

www.geosociety.org/meetings/2011/

Do you know that any of you who have ARCPACS certification with SSSA, that the ARCAPCS continuing education now requires **1 CEU of ethics training** every renewal period (pg. 32 and 34 of CSA News January 2011)?

Board of AELSLAGID — Request

Peter Miller, PSS

The Board of AELALSGID will be opening MN Rule 1800 for technical house-keeping edits in the engineering, land surveying and geoscience sections. Some changes are needed in the soil science section to better align the academic requirements with the current state of academia and the courses offered in soil science and environmental science. If you would like to participate in the committee that will look at the rule and create the edits please contact Peter Miller at pmiller@wenck.com.



Do you recognize any of these people from the MAPSC days?

Reclaiming our Turf — article reprint (following pages)

The following article, Fisher, M. 2011. Reclaiming our turf. CSA News. 56(1):4-9 is reprinted with permission of the Soil Science Society of America and Agronomy Society of America.



affiliated

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MAPSS promotes the understanding and wise use of Minnesota's soil resources.

www.mnssoilscientist.org

The Auger is the newsletter of the Minnesota Association of Professional Soil Scientists. It is composed of articles submitted by the MAPSS membership and is published three times each year (February/March, June and October). The Auger is available in PDF format on our website at www.mnssoilscientist.org.

If you want to contribute articles or announcements contact the editor, Suzanne D'Souza, at 612-741-1365 or newsletter@mnssoilscientist.org.

MAPSS Officers – 2011

President David Bauer, PSS
President Elect Steve Lawler, PSS
Past President Michael Whited, CPSS/SC, PWS
Secretary Janine Anderson, PSS
Treasurer Larissa Schmitt, PSS
Exec. Secretary Suzanne D'Souza, PSS (ex officio)

MAPSS Representation – 2011

Board of AELSLAGID and the Joint Professional Committee – Suzanne D'Souza, PSS

Soil Science Board Member on the Board of AELSLAGID – Peter Miller, PSS

Advertise in the Auger

Classified - first 40 words \$5.00, then \$0.20/additional word. Position (free to MAPSS members) – same as a classified ad. Ad copy MS Word ready format is \$15.00/column or non-standard \$25.00.

Your advertisement will also be added to the MAPSS website for the duration of one issue of the Auger. Contact the editor: newsletter@mnssoilscientist.org.

The Executive Committee meetings are public. Email the MAPSS president at president@mnssoilscientist.org if you want to attend the meeting. These meetings are typically held in person and via conference calls.

May 23, September 14 and November 10, 2011

MAPSS Committees

Award Committee – in 2011

Jorja DuFresne, PSS

Education Committee

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Thomas Jackson, PSS
Al Gienke, PSS
Mark Perry
Steve Lawler, PSS
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Dennis Fuchs, PSS
Charles Saari, PSS

Professional Practice Committee

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Kelley Bopray, PSS
Gary Elsner, PSS
Tom Fait, PSS

Scholarship & Funding Committee

Roger Berggren, PSS – Chair
Terry Cooper, PSS
Suzanne D'Souza, PSS

Election Committee – in 2011

Michael Whited, CPSS/SC, PWS