



ASSOCIATION OF OHIO PEDOLOGISTS

*OHIO SOIL PROFESSIONALS*

[www.ohiopedologist.org](http://www.ohiopedologist.org)

December 12, 2016



President's message December 2016.

First thing this morning, I put on my swim trunks, pulled on a hoody and my sneakers, and then headed out into the garage. It was “dark-thirty” and I like to get to the Y just as the pool is opening. I got quite a surprise when I opened the garage door. A beautiful blanket of fresh white snow. I love the snow, so it was a delightful surprise – though sweeping the drive in my swim trunks and sneakers was a new experience.

But the snow served as another notice that 2016 is rapidly sliding to a close, and we will soon be into winter. For most of us the winter means ‘indoors’. Our work mode changes and we settle into “other aspects” of soil work. For me it means attention to databases, for some of you it means getting the ‘books’ straightened out, and for a few of you it means getting relocated to someplace where you won’t be surprised by a blanket of snow in the morning.

For our AOP Annual Meeting this year, we have a modest surprise for you: We are moving our meeting back into the middle of winter (i.e. Thursday February 16<sup>th</sup> – see details below). We felt that moving the annual meeting back towards the beginning of the year would allow the incoming executive council to be more proactive and productive in the coming year. We have had a good year with an active executive council, and we want to continue that focus in 2017.

Larry Tornes has done an outstanding job putting together a program for the annual meeting, with a great mix of speakers to address soil drainage, and the ‘engineered drainage’ option for septic design. In preparation for that meeting we are also asking for your input - later in this newsletter - for our revised AOP Annual Awards. Please consider making a nomination for someone who deserves to be recognized for their good work.

And finally, you'll notice a new picture of me with this newsletter. I'm not very good with selfies, but the boxes of newly crafted AOP hats arrived yesterday, and I couldn't wait to show you my favorite - this one has a camo bill and is sporting the revised logo. There are 2 other style choices for those who prefer a more polished cap or a winter hat. They will be available at the annual meeting. Another good reason to mark your calendar now for February 16th.

December 2016

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**Upcoming Events:**

Exec Council Teleconferences

December 14<sup>th</sup>, Wednesday at 9 AM.

Jan. 11, 2017 , Wednesday at 9AM.

AOP annual meeting Feb. 16, 2017

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Editor

Thanks to Tim Gerber, Neil Martin, Larry Tornes, Jeff Glanville and Duane Wood for their contributions to this edition.

**Annual Meeting Update:**

The meeting is Feb.16,2017. It will be held at High Banks Metro Park (the usual place) on the border of Franklin and Delaware Counties. Coffee, tea, soft drinks, water doughnuts and a Bar-B-que buffet will be served. Cost is \$35 per person. This can be paid with your dues or at the door. We are starting a half hour later this year.

**ASSOCIATION OF OHIO PEDOLOGISTS ANNUAL MEETING**

**Draft Agenda**

**February 16 - Lodge High Banks Metro Park**

**9 a m Welcome and Announcements – Neil Martin**

**9:15 a m What is Engineered Drainage and How does it Differ From French Drains, Perimeter Drains, and Interceptor Drains – Rachael Townsend**

**9:45 a m Engineered Drainage Design – Vinayah Shedekar**

**10:15 a m Effectiveness of Engineered Drainage – Larry Brown**

**10:45 a m Approving, Installing, and Inspecting Engineered Drainage – Brandy Schrader, Putnam County Sanitarian**

**11:00 a m Break**

**11:10 a m Panel Discussion on Engineered Drainage – Speakers Above**

**12 noon Lunch**

**1 p m National Wetland Condition Assessment – Frank Gibbs**

**1:30 p m Business Meeting – Neil Martin**

**AOP HATS:**

How is your hat holding up to the hail and other horrible happenings that you hope won't hurt you in the heat of the day when you are hard at work holding the hand of the environment? Do you just need a hat to wear while driving? Or Do you just need something to wear to the pool while babysitting the grandchildren 3 days a week? The

editor has never liked wearing a hat even when mapping. So, for him they are a collector's item that follows the AOP STYLE through the years.

Well despite that introduction we invite you to *Hat-A-Rama Feb. 16, 2017.* (AKA Cop-a-Cap). At High Banks Metro Park. One for \$15 two for \$25. Cash and Check accepted as always made out to AOP. Sale starts early so get here for the best selection. But no need to camp out overnight to get a spot.

### **SCHOLARSHIP FUND UPDATE:**

Please consider a donation so we can keep the fund adequately funded and possibly increase the number of scholarships. AOP is the named sponsor of the award given out at CAEFS. It goes to a deserving Natural Resource Major who specializes in soils. Being on the soil judging team is a prime consideration.

The fund was discussed at Annual Meeting in March. Joe Steiger challenged us to get the fund to \$10,000. We have roughly \$8000. We really want to add a scholarship to a soils student at Wilmington College. We need to do outreach to the colleges and this is a first step. The Executive Council is very determined to improve both outreach and financial support to both colleges. We know we can make a difference.

Use this website to donate. Then scroll down the page to the entry form.

[https://www.giveto.osu.edu/makeagift/?Source\\_Code=DEV\\_AG-0-GivingHome-ON-S](https://www.giveto.osu.edu/makeagift/?Source_Code=DEV_AG-0-GivingHome-ON-S)

Enter the fund number 314160 in the search fields to the right. Just select the fund from the next page and then complete your donation.

### **AOP Awards** time sensitive

This year we are reviving our Awards program and need your help. Please review the categories and take a moment to consider making a nomination. Send an email to Neil Martin (neil.martin@oh.usda.gov) with the (1) award category (2) nominee name (3) a paragraph or two description of why they are deserving of the award. Nominations will be received until December 31. The executive council will review the nominations and select a recipient for each category.

### **Distinguished Service Award**

Eligible candidates: Anyone outside of Pedology or Soil Science.

Recognition: A person who has demonstrated or promoted wise use and management of soil resources; especially those who have elevated the use of

technical soil information or soil science to achieve success in their field. This can be used to recognize a significant accomplishment or a sustained record of achievement. It is traditionally recognized with a plaque.

### **Pedologist Merit Award**

Eligible candidates: Active AOP Members.

Recognition: (This is intended to be an annual award.) An AOP member who has contributed in a significant way to the promotion of Pedology or Soil Science in the past year. It is traditionally recognized with an award certificate

### **Golden Clod Award**

Eligible candidates: Active AOP Members.

Recognition: (This is intended to be an annual award.) An AOP member who has done something noteworthy – though most likely unintentionally – that can be recounted in a humorous tale. It must be good natured and in no way defamatory. It is traditionally recognized with a ‘traveling’ plaque that is passed from recipient to recipient.

### **Ohio State Soil Judging team:**

Neil received this update from Matthew Bright who coached the OSU team this fall.  
<http://senr.osu.edu/our-people/matthew-bright>

I thought you might like to know how the soil judging team did and you can distribute the news to AOP if you want. We thank you for your help arranging practice pits for us!

#### OSU-soil judging feature on SENR website-regional competition

Unfortunately, we did not qualify for Nationals (the points were the closest on record this year), but out of 21 teams, all 3 Buckeyes teams placed in the top 10. Two of our teams were composed of 100% new students. So, I was really pleased with their progress. One of our returning students placed 4th as well. So, it was a success. We learned a lot and had a great time.

**I have one other question for your organization.** Do you or anybody in the NRCS office make monoliths anymore/have the equipment to make one? I will be graduating at the end of next spring or summer and wanted to make one for my own personal collection before I graduate. I think it would be a good memento for a soil scientist. I made a monolith during my undergraduate career but that went to the University of Maryland monolith collection. Matt

**Approaching Brine Spill Remediation from the Surface:** A New In Situ Method

<https://dl.sciencesocieties.org/publications/ael/abstracts/1/1/150013>

Aaron L. M. Daigh<sup>a</sup> and Aaron W. Klaustermeier  Author Affiliations

Abstract

Well drilling for energy resources innately produces brine waters. These brines often contain sodium in the 10,000 to >100,000 mg L<sup>-1</sup> range. In situ soil remediation of brine spills traditionally consists of diluting salts with organic materials and then infiltrating divalent cations. This leaching technique can require years to centuries, as a function of soil clay content, to remove salts from the root zone. We present a new in situ remediation method that extracts salts from the soil surface and expedites remediation.....

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OSU announced that Dr. Richard Dick has been elected as President-Elect of SSSA. OSU professor to head SSSA

## MEETING OF THE MINDS

Ohio NRCS, ODNR, and OSU are planning a meeting to discuss soil survey work planning in Ohio. Tentatively planned for spring 2017. We would like to invite all current and former soil surveyors and related personnel, cooperators, and sister agencies to spend a day with us.

This is the opportunity to bring up any issues that they feel are important for correlation, taxonomy, or use and management.

Still mad at that correlator/project leader for his obvious lack of knowledge and understanding 40 years ago? We want to hear about it. Is there a new interpretation that we should develop for Ohio producers? Let us know.

We may partition the meeting to discuss soil survey/taxonomy/correlation issues in the morning, and then issues related to use and management for our cooperators in the afternoon. If you can't attend but would like to identify some concerns, please send those to us. We will discuss during the meeting.

NO THIS IS NOT WHAT YOU THINK IT IS`



*"The time in the combine during fall harvesting really wears you and everything else out"-Plato\**

This story is from South Dakota State University. The test was done by burying tighty whities in a field with different cultivation practices to see the difference in microbial activity. Guess which one came from an area of no-till with a cover crop. It is just a demonstration but it does make the visual case for cover crops.

<https://www.no-tillfarmer.com/articles/6245-tighty-whities-demonstrate-soil-microbiology>

\*No, not that Plato

**ASSOCIATION OF OHIO PEDOLOGIST NEWSLETTER VOL. 43 ISSUE 3**

**Association of Ohio Pedologists Membership Dues for 2017**

For members approved as Pedologists and Soils Professionals.....\$40

For members approved as Affiliate Members and Student Members.... \$20

Please submit the following form and mail it as a whole sheet with your check for the appropriate amount.

Street Address \_\_\_\_\_

City, State, Zip Code \_\_\_\_\_

Email Address \_\_\_\_\_

Phone number \_\_\_\_\_

Category of Membership (circle one): Pedologist Soils Professional Affiliate Member Student Member Honorary (No annual dues) please note any changes to contact information above.)

AOP Dues Amount: \_\_\_\_\_

Make checks out to AOP and send to:

Jon Gerken, Treasurer

5890 Rauch Rd.,

Carroll, OH 43112

Has your contact information changed? (Please circle) YES, NO (If YES, then please only add information that has changed.)

February 16, 2017 Annual Meeting registration:

Name: \_\_\_\_\_

# attending: \_\_

\$35 per person

Meeting Total: \_\_\_\_\_

Send to Jon Gerken made out to AOP.

TOTAL AMOUNT ENCLOSED: