

Indiana Association of Professional Soil Classifiers



**2018 Membership Dues Statement**

Amount: \$25.00

Please remit payment c/o  
Make checks to I.A.P.S.C. Inc.

**Clip and mail to Dena Anderson IAPSC Sec./Treas at:**  
**6939 S. Majors Rd**  
**Hanover, IN 47243**  
Or at the Annual Meeting

Please correct any contact information as needed.

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

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_



THE

# Pedestal



## 2018 Winter Meeting

Indiana Association of Professional Soil Classifiers (IAPSC)

### Indiana Association of Professional Soil Classifiers

### Winter Meeting

#### Location: **Hendricks County 4-H Fairgrounds**

1900 East Main Street  
Danville, Indiana 46122

UTM Zone 16, 0543808E, 4401445N, NAD 83

#### When: **January 25<sup>th</sup>, 2018**

#### Agenda (Eastern Daylight Savings Time)

- 8:30 - 9:30 **Registration:** Dena Anderson  
IAPSC Secretary/Treasurer  
(Donuts and coffee will be served)
- 9:30 - 9:45 **Welcome and Introductions:**  
Lambda Mort, IAPSC President
- 9:45 - 10:05 **Gary Struben** State Soil Scientist:  
**NRCS Report**
- 10:05 - 10:30 **IGS/IGWS Updates :** José Luis  
**Antinao**
- 10:30 - 10:45 **Break**
- 10:45 - 10:55 **David Ortel:** ISDH – State Board of  
Health Report.
- 10:55 - 11:05 **IOWPA Updates** Donna Sheets

11:05 - 11:15 **Purdue University Activities:**  
Dr. Jason Ackerson

11:15 - 12:00 **Call Before you Dig! – 811**  
Chuck Muller – Indiana 811

12:00 - 1:00 **Hot Lunch**

1:00 - 1:45 **Ground Water Lead Studies in  
Marion County :** Dr. Gabriel  
Filippelli - IUPUI

1:45 - 2:00 **Elections**

2:00 - 2:45 **IAPSC Business Meeting**

2:45 - 3:00 **Election results and Silent Auction  
Winners**

3:00 **Adjourn**

#### **New business:**

- 1) Voting for President Elect and Vice President.  
The candidates are:  
**President Elect – Jeff Woodward**  
**Vice President – Tim Porter**

**The Indiana Association of Professional Soil  
Classifiers (IAPSC)** is a not-for-profit organization of  
soil scientists who are interested in the field study and  
evaluation of soils.

Lambda Mort, President  
Dave Ortel, Past President  
President Elect, Randy Staley  
Dave Ralston, Vice President  
Dena Anderson, Secretary-Treasurer  
Norm Stephens, Pedestal Editor

<http://www.isco.purdue.edu/irss/iapsc.html>

## **Indiana Registry of Soil Scientists**

(As written on the IRSS web site.)

The Indiana Registry of Soil Scientists is a program that establishes ethical standards and education, examination, and work experience criteria for Indiana Registered Soil Scientists.

<http://www.oisc.purdue.edu/irss/>

## **Pedestal**

We need your stories and photographs for the Pedestal. Please email them to:

[norm.stephens@in.usda.gov](mailto:norm.stephens@in.usda.gov)

Or mail them to:

Norm Stephens  
NRCS-USDA  
6013 Lakeside Blvd.  
Indianapolis, Indiana, 46278

## **See the Pedestal in color:**

Electronic copies of Pedestal will eventually be found at:

<http://www.iapsc-in.com/#!/documents/c1po4>

## **Membership Email Addresses**

If you did not get an email notification of the electronic Pedestal it means we no longer have a valid email address for you. Please submit your current email address to Norm Stephens:

[norm.stephens@in.usda.gov](mailto:norm.stephens@in.usda.gov)

Email is the most cost effective way the IAPSC can keep you informed of any last minute changes in meeting plans, or time sensitive notifications of importance to the group.

## **Everyone is Busy**

Everyone who is serving, or has served as an IAPSC board member is a busy person. It's not a valid excuse for not taking a turn in our group's leadership. Many of the same people have taken on the different responsibilities many times over, or they have held a position for years on end. I applaud those who take on a role in our group, but I really find it disappointing we can't get more than one person to run for an office. The jobs do require a day, or two of your time over the course of the year. Most of the time ... a few hours at a time.

Diversity in our group's leadership keeps things fresh. Be sure and say yes when asked to run for office.

Norm Stephens  
13<sup>th</sup> year as Pedestal Editor

## **Soil Classifiers:**

Periodically (once every couple of weeks) I send, via email, notices on happenings within the National Cooperative Soil Survey. The subjects vary, but include job vacancies, workshops, soils videos, NCSS Newsletters, Soil Taxonomy updates, updates on Web Soil Survey, etc. If you are not currently on my email list (which is currently at about 120 folks) and would like to be added please send your current email to me at [gary.struben@in.usda.gov](mailto:gary.struben@in.usda.gov) Feel free to share this with others if you know of folks you think might be interested, but may not be IAPSC members. Maybe we can recruit some new members!

Of course, if you want to be taken off the list, just email me that too! (Except for the NRCS staff who will get them whether they want them or not!)

Gary R. Struben  
Indiana State Soil Scientist  
USDA Natural Resources Conservation Service  
6013 Lakeside Blvd.  
Indianapolis, IN 46278  
317-295-5885 (Office)  
317-354-5235 (Cell)  
[gary.struben@in.usda.gov](mailto:gary.struben@in.usda.gov)





## **Hendricks Co 4-H Fairgrounds & Conference Complex**

1900 East Main Street, Danville, IN

The Winter Meeting will be held at the Hendricks County 4-H Fairgrounds located southwest of Indianapolis. The fairgrounds is a 12 mile drive from I465 on the west side of Indianapolis along SR 36. The Hendricks County 4-H Fairgrounds and Conference Complex is located at the intersection of County Road 200 E and East Main Street (Old US-36 in Danville)

## **Hendricks County 4-H Fairgrounds Map**



The Hendricks County 4-H Fairgrounds and Conference Complex is located at the intersection of County Road 200 E and East Main Street (Old US-36 in Danville).

<http://www.4hcomplex.org/>



# Combined Workshops of The Association of Ohio Pedologists and the Indiana Association of Professional Soil Classifiers

The Association of Ohio Pedologists and the Indiana Association of Professional Soil Classifiers held a combined workshop on September 14 and 15, 2017. The main theme of the workshop was the “Soils of The Illinoian Till Plain ~ Clermont/Cobbsfork and associated soils in the Cincinnati Catena” in MLRA 114A and the development of fragipans and fragic soil properties.



On September 14 the workshop was located in Ohio with presentations and field visits. Mike Angle, Assistant Division Chief with the Ohio Geological Survey, gave a presentation on Illinoian Till Formation and distribution in Ohio and Indiana. Dr. Julie Weatherington Rice, Geologist with Bennett & Williams Environmental Consultants, Inc., gave a presentation on deep cores from a landfill site in the Clermont soils formed in Illinoian Till and the group also examined these cores which were on display at the workshop. Dr. Jerry Bigham, retired Professor of Soil Science at the Ohio State University, discussed the OSU Lab Data and Research Sites including Fragic Properties and Water Table Data and the implications for the division of soils such as Westboro with Fragic Soil Properties and Schaffer with a fragipan in Ohio.





On the field visits, the group examined fractured Illinoian Till along Backbone Creek in Clermont Co., Ohio. We observed two soil pits of the Clermont soil, comparing the soil properties in a cropland site versus one in a wooded site. Matt Deaton, Consulting Soil Scientist, discussed a Soil Quality Study from 2006 for the cropland site and Steve Hamilton, Retired NRCS Soil Scientist, lead the discussion of the paired woodland site. On the last stop of the day, the group examined the Westboro and Schaffer soils and evaluated fragipan vs fragic characteristics. Dr. Jerry Bigham and John Allen, NRCS Acting Soil Survey Leader, lead the discussion at these sites. The discussion at the four soil pits included the implications for Soil Health, Drainage, Water Table Data, Septic Systems, and Hydric Soil Indicators.



Dan Michael, Consulting Soil Scientist, demonstrated the use of GPS, survey equipment and a drone and how they can be used in accurately locating property boundaries and boring sites for on-site investigations.



On September 15 the workshop was located at the Southeast Purdue Agricultural Center in Indiana and again featured presentations and field visits. Dr. Don Franzmeier, Retired Professor of Soil Science from Purdue University, reviewed fragipan formation. The group then traveled to the field sites to examine soil pits in Cobbsfork and Avonburg soils and compared soil properties in cropland sites vs those in paired woodland sites. Dena Anderson, NRCS Resource Soil Scientist, and Gary Struben, NRCS State Soil Scientist for Indiana, lead the discussions, which centered on the development of fragipans and fragic soil properties, water tables and dynamic soils properties related to soil health systems.



After a hardy lunch and business meeting, Byron Jenkinson, Retired Professor of Soil Science from Purdue University, reviewed water table data collected from the Muscatatuck Wildlife Refuge Research and the use of *Iris Tubes* in determining reducing conditions in hydric soils. Soil pits in Cincinnati and Muscatatuck soils were examined that afternoon and Dena Anderson and John Allen lead the discussion on fragipans and fragic soils properties and their implications for Septic Interpretations.

Both states had very good participation in each training session. Ohio had about 70 attendees for their session and Indiana had sixty with about 20 soil scientists attending both days! Special thanks to all involved for conducting an outstanding Soils and Geology Training Workshop. Plans are to do this again in the future to continue to foster communication and share ideas across state lines!



More photos <https://www.flickr.com/photos/indycaver/albums/72157688872556186>



## Indianapolis Urban Update



(Hoosier Dome removal)

The Indianapolis area has experienced tremendous urban growth in the last several years, especially in Marion, Hamilton, Hendricks, Johnson and Boone counties. Much of what was mapped as prime farmland when these soil surveys were published has since been disturbed by urban sprawl. The Indianapolis Soil Survey Office has decided to embark on updating a portion of these soil surveys that are a part of the Indianapolis metropolitan area. The plan is to update this in various phases over the next several years. We are planning on updating the spatial maps to reflect the urban development as well as the interpretations of these soils. We are interested in any ideas you have in what might be needed to update these urban areas — perhaps what you have experienced as you have done consulting work in these urban areas. Things you would like to see be updated. In you have worked in other urban areas within Indiana that would be helpful too for future updates in other cities. My contact information is:

[John.allen@in.usda.gov](mailto:John.allen@in.usda.gov)  
317-295-5859

**CONGRATULATIONS PURDUE SOILS TEAM**  
**Region 3 Collegiate Soils Contest**  
**Oct. 10-13, 2016 – Whitewater, Wisconsin**  
**1<sup>st</sup> Place Team of Six Participating Schools**  
**1<sup>st</sup> Place Group Judging**



**Individuals Placing**

Alyssa Kuhn	1 <sup>st</sup>	Emily Smith	3 <sup>rd</sup>
Chelsea Emienhiser	4 <sup>th</sup>	Daniel Welage	5 <sup>th</sup>
Dakota Westphal	8 <sup>th</sup>	Robert Armstrong	9 <sup>th</sup>

**Other Team Participants**

Brittany Belcerak	Catherine O'Donoghue
Alex Eickholtz	Sterling Lutter
Aiden McCain	Joshua Randall
	Morgan Winder

Coaches: Bill McFee, Cathy Egler, and Gary Steinhardt

**Thanks to All Who Support the**  
**Agronomy Student Activities Fund**



**Donate / Bid**

**Silent Auction to raise  
funds for the Chrome  
Spade Award.**

**Bring your donated items  
to the winter meeting.**

**Plan on bidding at the  
winter meeting.**

## **2017 Forest Soils Workshop Monteagle, Tennessee**



**Cumberland Plateau**



**Dubose Conference Center**





**Dr. Jon Evans from Sewanee University discusses forest ecology.**



**Dena Anderson showing off the forest pedology.**





**Matt McCauley on the Cumberland Plateau.**



**Mike Wigginton, Dave Gehring, and Rick Neilson**

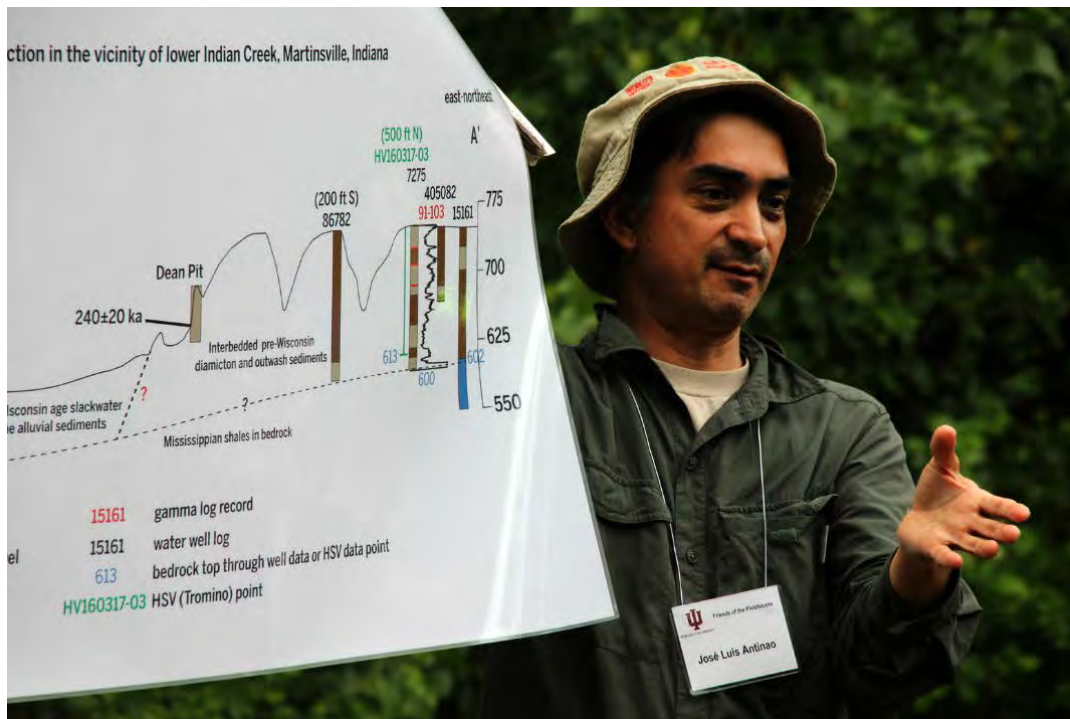
More photos <https://www.flickr.com/photos/indycaver/albums/72157688243397912>



## 57<sup>th</sup> Midwest Friends of the Pleistocene



**Tom Lowell, Henry Loop: Wisconsin Outwash near Martinsville, Indiana**



**Jose Luis Antinao: Pre-Wisconsin Outwash, Dean Quarry, Morgantown, Indiana**





**Cut bank near the Clayton Section near Danville, Indiana**



**Tim Monaghan and John McQuestion southeast of Beech Grove, Indiana**  
(John promising beer at all future IAPSC meetings)

More photos <https://www.flickr.com/photos/indycaver/albums/72157684130753175/with/34834608906/>



# **2018 WINTER MEETING REGISTRATION FORM**

## **For Friday January – 25th**

**Registration fee includes **hot lunch**.**  
**Help us keep costs low by registering early.**

**Send in your check today!**

***Registration Fee \$25.00 before January 19<sup>th</sup>.***

**LATE FEE after 01/19/2018 - \$30.00**

**If at all possible register/RSVP before January 19<sup>th</sup>**

**An accurate head count keeps our costs low!**

Make checks to I.A.P.S.C. Inc.

Clip and mail to Dena Anderson IAPSC Sec./Treas at:

6939 S. Majors Rd

Hanover, IN 47243

**Questions, RSVP Call Dena** at 812-525-6433, or 812-591-3770

Name(s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Members please update the following, if needed:

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

Address: \_\_\_\_\_

Phone No: \_\_\_\_\_

E-mail address: \_\_\_\_\_