



OHIO PEDOLOGIST

Professional Soil Scientists

www.ohiopedologist.org

Fall Workshop Scheduled

Ways to “map” soil spatial variability offered on October 3 & 4



The Fall Workshop will be held at two locations in Central Ohio. President-Elect Bob Parkinson has worked with five others to develop the program, which includes about 12 hours of educational activities.

The first day will involve field investigations to make an Order 1

soil survey on about 15 acres; the second will involve class exercises with GIS tools to produce high intensity maps for client reports.

Registration information and the detailed agenda are on pages 4 and 5. Registration is reduced by \$50 for members. Early registration ends on September 6.

CCA Training

AOP will be offering its first workshop for Certified Crop Advisors in Ohio, on August 18 at the North Appalachian Experimental Watershed near Coshocton.

Matt Deaton serves on the Ohio CCA Advisory Board as a liaison, and he and Frank Gibbs coordinated planning for the event. Rick Griffin, George Derringer, and Steve Miller will serve as instructors with them for the workshop, which will include three hours in the classroom and four in the field.

Other members interested in assisting with preparations or on August 18 can contact Matt at 937-533-9991 to inquire about arrangements.



LAST-MINUTE OPPORTUNITIES TO REGISTER FOR RELEVANT WORKSHOPS

The review course to prepare for taking the Certified Erosion Sediment and Storm Water Inspector exam will be offered, for the last time in Ohio in 2011 or 2012, on August 26 in Ottawa County. The deadline for registration is August 12. Registration is \$105 and includes the cost of the review book. For more information, contact Crystal Dymond at the Erie SWCD at 419-626-5211.

SWCS' All Ohio Chapter is holding its summer meeting on August 16 at the David Brandt Farm in Fairfield County. Brian Cooley will be one of the six presenters for the 5.5-hour workshop on “Soil Health and Cover Crops.” The deadline for registration is August 12 at 4:30. Cost is \$28, and it must be made online at <https://www.regonline.com/816soilhealthcovercropsday>.

GENERAL NEWS

Agency Comings & Goings

Members Rick Buzard and Bob Parkinson retired at the end of June. Rick retired from ODNr's Div. of Mineral Resources Management, and Bob retired from NRCS. David Hanselmann retired at the end of July. He had held supervisory roles with Soil Resources Program (SRP) leaders in ODNr's Div. of Soil & Water Resources from 1982 until this past winter.

Member Matthew Lane was hired by ODNr into a part-time position in the SRP in July. Matt graduated from OSU with his M.S. degree in June.

Urban Workshop a Success

Todd Houser reports that about 140 people participated in the "Rediscovering the Rhizosphere" workshop held in May. They included landscapers, gardeners, developers, arborists, and researchers. Based on results of a survey, the workshop planners achieved the objective of preparing key people to contribute toward "repurposing distressed urban properties for agriculture, landscaping and storm water management."



Academy of Science News

At most annual meetings of the Ohio Academy of Science,

many presentations are offered about soils, but few are presented by soil scientists.

The 2012 meeting will be held in April, but the deadline for submitting papers for it is on November 7.



Sad News

Two internationally-known soil scientists who began their careers in Ohio in the 1960s passed away in June.

Dr. Fred Miller suffered a heart attack while on a rafting trip in the Grand Canyon. He was Chair of OSU's Dept. of Agronomy from 1986 until the soil science part of the department was moved into the School of Natural Resources in 1994. He served as the School's Director until his retirement in 1998. He received two graduate degrees at OSU and served as SSSA President in 1990-91.

Dr. Frank Calhoun was killed in a vehicular accident in The Villages, Florida. He received two degrees at OSU before beginning an international career while employed by Firestone Plantations, the University of Florida, Texas A & M and from 1986 to 2010, OSU. He was responsible for having soil survey laboratory data from about six decades entered into a useful database. A memorial tree is to be planted at OARDC's Secrest Arboretum. To contribute, call Bev Winner at 330-263-3659.

SSSA News

Last month, the Soil Science Society of America Board voted to form a new division, S12, for Consulting Soil Scientists. SSSA and the National Society of Consulting Soil Scientists have been discussing integration, and creating the new division is a step in that direction.

Bi-monthly editions of *Crops & Soils* consistently have useful information for consulting soil scientists. Subscription information is at www.agronomy.org/publications/crops-and-soils.

IN OTHER STATES

In Texas, the Board of Professional Geoscientists (BPG), which handles licensing for soil scientists, was not eliminated in the new budget. Key testimony helped BPG survive with a funding cut of only ten percent.

Oregon is the 20th state to adopt an official state soil, the Jory soil series. According to a Wikipedia website, Wisconsin was the first to adopt a state soil, in 1983. Mississippi became the 19th one in 2003.

The Earth Sciences and Resources Institute-University of South Carolina and NRCS in the state recently produced a series of engaging videos on soils. In the first "Soil Stories" video, the host "embarks on a journey of discovery" about soils. You can check it out at <http://vimeo.com/channels/soilstories>.

Involvement Opportunities

The Executive Council met on July 11. Treasurer Jeff Glanville reported a balance of \$19,744.

George Derringer will be heading up the Nomination Committee and asking members



to consider running for eight different offices at the 2012 annual meeting. You can

make his task much easier by letting him know of your availability to serve in one of these offices.

President Danielle Balduff reported that no member had contacted her yet to express an interest in serving as Chair of the Awards Committee or as a

member of the Bylaws Committee. Since the bylaws were last updated ten years ago, a number of changes are long overdue.

Aaron Lantz has expressed an interest in relinquishing the role of webmaster for the Association. Anyone interested in taking on this important role should contact President Balduff at danibalduff@yahoo.com to volunteer.

Jeff Glanville has collected Ohio Soil Survey records previously stored at OSU from the past 60-plus years, along with AOP archives that had been stored there for the past 20 years. He is inviting members with AOP and Ohio Soil Survey records that may be in jeopardy of disposal or neglect, to forward those materials to him for safe storage. He can be contacted at 614-255-2507.

Soil Survey Horizons

Student Member Mitch Valerio's photo is on the cover of the Summer edition of *Horizons*. He is also the principle author for the paper on "Problems with Field Recognition of Spodosol Morphology in the Northwest United States."

This edition also includes information about the 54-page *Manual for Soil Investigations in Pennsylvania*, published about a year ago by the Pennsylvania Association of Professional Soil Scientists (PAPSS). Copies can be requested from Russell Losco at soildude@comcast.net.

Also included is a request for 50-gram samples to be submitted for a National Soil Project underway at Northeastern University in Boston. Questions can be directed to Dr. Geoffrey Davies at g.davies@neu.edu.

Meet Two New Affiliate Members

Jason Sneed and Delwyn (Lee) Walker both graduated from Wilmington College in 2007 with degrees in Plant, Environmental, and Soil Science and were members of collegiate soil judging teams coached by Matt Deaton.

Jason grew up on a farm in the northern part of Clermont County. He received his M.S. degree in Crop Science at Texas Tech in 2010 after completing research on "Irrigation Termination to



Improve Fiber Maturity on the Texas Plains." He coached the Wilmington College soil judging team at the regional

contest last year and was hired a few months ago by the Clinton Soil & Water Conservation District.

Lee grew up in the western part of Ross County and worked at the 1,200-acre Buckskin Valley Farms while in high school. He was an NRCS Earth Team volunteer in Ross County during the summer of 2005 and worked part-time with NRCS during the next three summers.

While stationed in Auglaize County, he worked with Frank Gibbs on wetland determinations. He was hired full-time by NRCS as a soil conservationist in the fall of 2008 and currently works from the Celina office.



2011 AOP Workshop Agenda: Soil Spatial Variability and Its Effect on Wise Land Use: Beyond Pits and Points to Polygons

October 3 - OSU Molly Caren Agricultural Center, Gwynne Conservation Area Cabin

- 9:00 ~ Registration (Coffee and Donuts)
- 9:20 ~ Welcome
- 9:30 ~ Molly Caren Farm overview, precision agriculture & soils – Matt Sullivan
- 10:00 ~ Order 1 soil survey & its applications – NRCS soil scientist
- 10:30 ~ Break
- 10:45 ~ Field exercise preparation – Bob Parkinson
- 11:15 ~ Known soil texture samples (calibrating field estimates vs. lab data)
- 11:45 ~ Lunch (Catered)
- 12:30 ~ Board vehicles to Area of Interest (AOI) elsewhere at Molly Caren Agricultural Center
- 1:00 ~ Field exercises
 - a. describe and classify soils at four backhoe pits within AOI
 - b. determine their suitability for select land uses
 - c. compare descriptions and interpretations with those of Ohio Soil Survey staff
 - d. discuss soil classification questions/comments with agency soil scientists
 - e. make additional observations to determine map unit design and composition
 - f. produce Order 1 soil survey (map and legend) for AOI (about 15 acres in size)
- 5:00 ~ Return to cabin - lodging and supper on your own

October 4 - ODNR, Bldg. I on Fountain Square campus (Two half-day concurrent sessions)

8:00 ~ Coffee and Donuts - 1st floor conference room

Client report mapping topics – 1st floor conference room (Groups A & B)

- | A | B | |
|-------|-------|--|
| 8:15 | 12:45 | Review of Order 1 soil surveys produced compared to Ohio Soil Survey – NRCS |
| 9:00 | 1:30 | Using Autocad – Dan Michael |
| 9:45 | 2:15 | Break |
| 10:00 | 2:30 | Using Web Soil Survey – Jeff Glanville |
| 10:45 | 3:15 | GIS Software Possibilities (some “virtually free”) – Bob Parkinson |
| 11:45 | 4:00 | End of session (lunch break, <u>not</u> catered, for Group A ; end of workshop for Group B) |

Using the Earth Resources Information Network (ERIN) – 2nd floor computer training room

- | B | A | |
|-------|-------|--|
| 8:15 | 12:45 | Training (hands-on) – ODNR soil scientist |
| 9:45 | 2:15 | Break |
| 10:00 | 2:30 | Hands-on training continued |
| 11:45 | 4:00 | End of session (lunch break, <u>not</u> catered, for Group B ; end of workshop for Group A) |

Location for Oct. 3: OSU Molly Caren Agricultural Center, Gwynne Conservation Area Cabin, 690 Arbuckle Road W, London, OH 43140. (The Google maps website plots this address at the intersection of Arbuckle Road and Ohio Rt. 38, which is 0.2 miles SE of the lane entrance to the cabin off Arbuckle Road.)

Directions to intersection of US-40 & OH-38 (north of London): From the east, take Exit 79 off I-70 and go southwest on US-42 1.4 miles to US-40; go west 3.0 miles to US-40 & OH-38. From the west, take Exit 72 off I-70 and go southeast on OH-56 about 0.7 mile; go east 2.2 miles to US-40 & OH-38.

Directions from intersection of US-40 & OH-38 to cabin: Go north on OH-38 2.2 miles (past entrance to Molly Caren Agricultural Center headquarters) over I-70 to the intersection with Arbuckle Road on the left. Turn left and go 0.2 miles to the lane entrance on the right. Follow the lane back to gravel parking area.

Location for Oct. 4: Ohio Dept. of Natural Resources' Fountain Square campus, Building I, 2045 Morse Road, Columbus, OH 43229. (The Google maps website plots this address a short distance west of the entrance into the campus.) Map handouts will be available on Oct. 3. From Exit 116 off I-71, take Morse Road east 1.7 miles to light at new Turkey Hill gas station and turn right; go east on access road and turn right just after passing ODNR sign. Stop at guard station and request visitor pass, then head west toward Menards.

Additional Information and Registration for 2011 AOP Workshop

Lodging options: Driving time between Molly Caren Agricultural Center (MCAC) and ODNR's Fountain Square campus is 40 minutes after the morning rush hour ends. About ten motels are near Exit 91 off I-70, which is about 20 miles east of MCAC. About ten motels are near Exit 117 off I-71, which is about four miles northwest of the ODNR campus. Many other motels are at exits off I-270 north of I-70 and west of I-71.

Field equipment to bring: If possible, bring soil auger(s), spade, color book(s), clinometer or abney level, pH kit, acid bottle, and GPS. Be sure to label any extra equipment that you are willing to lend to others.

Registration: Deadline for early registration rate is **September 6**. One catered lunch is included with registration.

Student members - \$35 (no difference after September 6)

Other members - \$75 early, \$100 after deadline, including at the workshop

Non-members - \$125 early, \$150 after deadline, including at the workshop

The workshop is limited to the first 48 registrants. Fees will be returned to those who attempt to register after registration is closed.

Registration instructions:

Complete form below, make check for the appropriate amount to "AOP" and mail both to
Mr. Jeff Glanville
AOP Treasurer
107 Southwind Dr.
Gahanna, OH 43230-3147.

Jeff will notify all registrants by mail or email for confirmation. Contact him at 614-255-2507 for questions about registration status.



Name _____

Street address _____

City, state, zip code _____

E-mail address (for registration confirmation) _____

Current membership status (circle one):

Pedologist, Soils Professional or Affiliate Member Student Member Non-member

Amount enclosed _____