

OHIO PEDOLOGIST

Professional Soil Scientists

www.ohiopedologist.org

Fall Workshop Scheduled

Geothermal Site Planning featured on October 18 & 19



The Fall Workshop will be held at Horace Collins Laboratory in southern Delaware County, the location for our annual meeting this past February. President-Elect Danielle Balduff has worked with Dan Michael and Frank Gibbs to develop the two-day program, which includes about 12

hours of educational activities. Field trips are scheduled on both afternoons.

Registration information and the detailed agenda are on pages 3 and 4. Registration is reduced by \$50 for members. Early registration ends on September 17.

Ad hoc Committee

At its July 23 meeting, the Executive Council created an *ad hoc* Sewage Advisory Committee to provide input to AOP's representative to the Ohio Dept. of Health's (ODH) Rules Advisory Committee (RAC). The RAC is expected to function over the next 18 months, to help ODH build consensus support for the rules as they are being developed.

AOP members who desire to serve on this committee should make President Derringer aware of their interest. RAC meetings will be open to the public, and ODH plans to provide online and teleconference access to meetings and information.



HOUSEHOLD SEWAGE BILL SIGNED INTO LAW BY GOV. STRICKLAND ON JUNE 18

Substitute Senate Bill 110 was passed in the Ohio Senate and House in June. Some provisions in Ohio Revised Code Chapter 3718 were un-suspended on July 1, and other provisions will become effective in mid-September. New administrative rules are to be adopted after January 1, 2012. The Dept. of Health is assembling a Rules Advisory Committee (RAC) that will provide input in the rule-making process, and

AOP will have one of about 40 seats on that committee. President Derringer will appoint the AOP representative in time for the first meeting, which is anticipated for early September. The Dept. of Health has provided detailed information about Sub. SB 110 in a document that can be downloaded from <http://www.odh.ohio.gov/odhPrograms/eh/sewage/sewrules.aspx>.

MEMBER CONTRIBUTIONS



Counties using consulting soil scientists

Before the annual meeting, Dan Michael compiled a list of 50 Ohio counties that require site evaluations by soil scientists for household sewage treatment systems. They are as follows: Allen, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Clermont, Columbiana, Crawford, Cuyahoga, Darke, Delaware, Erie, Fairfield, Franklin, Geauga, Greene, Hamilton, Hancock (wooded sites only), Hardin, Highland, Huron, Lake, Licking, Lorain, Mahoning, Marion, Medina, Meigs (worst sites only), Mercer, Montgomery, Muskingum, Perry, Pickaway (subdivisions only), Portage, Putnam, Richland, Sandusky, Seneca, Shelby, Stark, Trumbull, Union, Van Wert, Warren, Wayne, Wood (only where bedrock is not deep), and Wyandot.

Private Sector Salaries

Kathy Sasowsky suggested that this edition include information from the National Society of Consulting Soil Scientists about hourly rates charged by consulting soil scientists and engineers. While recognizing “tremendous regional variations,” the study reports that “established professional consulting soil scientists can

normally charge 10% above peer engineers in their area or region.” The normal range of hourly rates for professional soil scientists is identified as \$70 to \$140. The article can be viewed at <http://www.nscss.org/content/soil-scientist-salaries-compete-well-engineering-salaries-private-sector>.

Lake Erie Phosphorus Report

Julie Weatherington-Rice reported in May that the Ohio Lake Erie Phosphorus Task Force’s executive summary and final report can be accessed at <http://www.epa.ohio.gov/dsw/lakeerie/ptaskforce/index.aspx>. She participated on the task force as a representative of the Ohio Academy of Science and the Ohio Fractured Flow Work Group. She will offer an update to her Ohio Academy of Science presentation on the topic, on August 24 at a “brown bag lunch” sponsored by the Franklin Soil & Water Conservation District (SWCD). For more information, contact Sherry Collins at 614-486-9613 or scollins@franklinswcd.org by noon on the 23rd.

Cuyahoga SWCD’s New Stormwater Publication

Todd Houser reports that the third edition in 2010 of the Cuyahoga SWCD’s “Technical Quarterly” was published recently. Edition “10.3” is one of seven editions that are available from the District’s website, at <http://www.cuyahogawcd.org/services-stormwater-publications.html>.

Errata

A member reported that Ilan Stavi’s name was spelled incorrectly in the Spring edition of the *Pedologist*.

Licensing in Tennessee

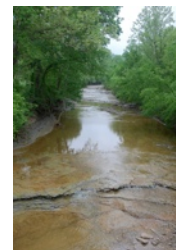
A bill to license soil scientists in the state was passed in the legislature and signed into law in June. The law will become effective in January, and rules are projected to be in place by July 2011.

Professional soil scientists who are certified by the Soil Scientists Association of Tennessee or included on the Dept. of Environment & Conservation’s approved consultant list before the end of 2010 can be grandfathered into licensed status.

AOP MEMBERSHIP INFORMATION FOR 2010

Since the Spring edition of the *Pedologist* went out, 12 more members have paid dues for 2010, bringing the current total to 64 members. The six Honorary Members are Cecil Flesher (inducted in 1985), Dick Christman (1986), Bob Ritchie (1991), George Hall (1997), Ed Redmond (2000), Scott Brockman (2006), and Neil Smeck (2007).

Names of about 200 soil scientists were listed on the “Ohio Soil Survey Hall of Fame” printed by AOP in 1992, to identify soil scientists who had conducted soil survey work in the state since 1900. Of those 200 soil scientists, 36 are current members of AOP.



Executive Council news



The Council met on July 23. Federal representative Neil Martin reported that NRCS has hired soil scientists Charles and Melissa Hanner. Charles is the wetlands team leader in Findlay, and Melissa is a resource soil scientist in Tiffin.

The Council decided to eliminate late fees for dues in

2010, and to allow 2008 members who did not pay dues in 2009 to become active members without penalty or payment of back-dues. Refunds will be sent to those who have already paid late fees.

The Council's next meeting is scheduled for November 12. Nominations for President-Elect candidates and for the four Council Representative candidates are to be presented at that meeting. Names of nominees will be circulated to the membership 30 days before the annual meeting, presumably in the next edition of the *Pedologist*.



Soil Survey Conference



About 70 soil scientists participated in the North Central

Regional Soil Survey Conference in June. Six of the participants also attended the conference the last time it was hosted by Ohio soil survey partners, in 1986. The field trip included stops at the Newark Earthworks, the North Appalachian Experimental Watershed, Woodbury Wildlife Area, and Dawes Arboretum.

Lodging Options and Registration Information for 2010 AOP Workshop

Lodging: About 20 motels are in the vicinity of Alum Creek State Park and the Horace R. Collins Laboratory. The website at www.ohiohotels.org offers 11 motels in the Polaris area, near Exit 121 off I-71 ("Lewis Center"); four motels to the northwest near US 23 (Delaware); and three motels at US 36 and Ohio Rt. 37, near Exit 131 off I-71 ("Sunbury").

Registration (Deadline for early registration rate is **September 17**. Two catered lunches are included with registration):

Student members - \$35 (no difference after September 17)

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

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

Mailing instructions and check information:

Make check for the appropriate amount to "Association of Ohio Pedologists" and mail to
 Mr. Jeff Glanville
 AOP Treasurer
 107 Southwind Dr.
 Gahanna, OH 43230-3147.

2010 AOP Workshop Agenda: Geothermal Site Planning

October 18

- 9:00 ~ Registration (Coffee and Donuts)
- 9:20 ~ Welcome, Introductions, Why Demand for Geo Thermal Is Growing – Danielle Balduff
- 9:35 ~ Green Energy Tax Credits – TBA
- 9:55 ~ OEPA Concerns/Questions and Examples – Beth Bailik, OH EPA, Environmental Specialist 3
- 10:15 ~ ODH Concerns/Questions and Examples – Amy Mills, ODH, Sanitarian Program Specialist 2
- 10:35 ~ Break
- 10:45 ~ How to Site Geothermal Systems – Jeff Persons, GeoSourceOne, Hydrogeologist
- 11:45 ~ Lunch (Catered)
- 12:30 ~ Board Buses
- 1:30 ~ Tour Nationwide and Ohio Farm Bureau 4-H Center (OSU Campus) – Allen Auck, OSU, Extension Associate - Events & Activities
- 2:30 ~ Discuss Installation Site Parameters and Soil and Ground Water Scenarios – Site at OSU
- 4:15 ~ Load Buses and Return to Horace Collins Laboratory
- 5:00 ~ Return

October 19

- 8:00 ~ Coffee and Donuts
- 8:15 ~ Subsoil Temperature Research – Dan Michael, ClearCreekService, CPSS & RS
- 8:40 ~ Geo Thermal Installer's Perspective "Good vs. Bad Practices" – Perry Shoemaker, Installer
- 9:15 ~ Soil Scientist's Role (System Sizing, Depth Placement, House Lot Layout, Setbacks) – Dan Michael, ClearCreekService, CPSS & RS
- 10:00 ~ Break
- 10:15 ~ Thermodynamic Research and Software Development – Dr. James Menart, Wright State University, Department of Mechanical and Materials Engineering, Associate Professor
- 11:00 ~ Ethics in Soil Consulting – Dr. Dawn Ferris, SSSA, Soil Science Program Coordinator
- 11:25 ~ What the Society can do for AOP – Dr. Dawn Ferris, SSSA, Soil Science Program Coordinator
- 11:45 ~ Lunch (Catered)
- 12:30 ~ Examine Soil Temperature Probes – Dan Michael, ClearCreekService, CPSS & RS
- 1:00 ~ Board Buses
- 1:00- 4:00 ~ Tour of Geo Thermal Installations/Practice Site Layouts – site to be determined in Delaware
- 4:30 ~ Return and Adjourn

Location: Horace R. Collins Laboratory, 3307 South Old State Road, Delaware, Ohio 43015-7635

From northeast Ohio: Travel south on Interstate 71 to exit 131–Delaware/Sunbury, U.S. 36/Ohio 37. Turn right at traffic light and proceed west on U.S. 36/Ohio 37 for 3 miles. Turn left on Lackey Old State Road (Delaware County Road 10) and travel south for 2.5 miles to Cheshire Road intersection (first four way stop). Travel through intersection and continue south on South Old State Road for 0.5 miles. Pass Alum Creek State Park and Cross Creek Campgrounds, then turn left onto access road (after passing sign for Collins Classroom and Division of Watercraft Office).

From northwest Ohio: Travel south on U.S. 23 to Ohio 37 exit in Delaware, Ohio. From exit ramp traffic light, turn left on Ohio 37 and travel east 4.5 miles to Lackey Old State Road (Delaware County Road 10). Turn right on Lackey Old State Road and travel south for 2.5 miles to Cheshire Road intersection (first four way stop). Travel through intersection and continue south on South Old State Road for 0.5 miles. Pass Alum Creek State Park and Cross Creek Campgrounds, then turn left onto access road (after passing sign for Collins Classroom and Division of Watercraft Office).

From Columbus and southern Ohio: Travel north on Interstate 71 from Columbus to exit 121–Polaris Parkway/Gemini Road. Exit Polaris Parkway and turn left at traffic light onto Polaris Parkway. Proceed west for nearly 2 miles to South Old State Road (Delaware County Road 10) and turn right on South Old State Road. Travel north for 5.7 miles. Turn right onto access road (after passing sign for Collins Classroom and Division of Watercraft Office). Note: Landmarks along this route include Lewis Center Road, Hollenback Road to the Alum Creek Lake Marina, and the Alum Creek State Park Office.