



# OHIO PEDOLOGIST

Fall 2001

VOLUME 28, NUMBER 3

PROFESSIONAL SOIL SCIENTISTS

## PRESIDENT'S MESSAGE

### BYLAW'S REVISION PASSED AT "WILD" MEETING! CERTIFICATION BOARD SELECTED

The AOP Bylaws Revision to allow a Certification Program was passed during our Summer Picnic at The Wilds in August. There was only one "no" vote that was mailed in.

This Picnic was a great success with 70 AOP members and family attending. As we bounced along on the old school buses through 12 foot high electrified automatic gates, the film "Jurassic Park" kept coming to my mind! Having our tour guide constantly pointing out that the cute little animals we were watching were very dangerous and could run a horn through you in a "blink of an eye" reinforced the effect. There were a lot of little kids on my bus and they excitedly rushed from one side of the aisle to other in anticipation to see the next animal. Until we got to the African White Rhino's ...

No one needed to tell us how dangerous these giant things were! As we all stared at a pile of 6 females laying along the edge of the road and the bus began to pull away, one of the Schumacher kids decided the rhinos could use a hat. So it went flying out the window right in front of the rhinos prompting the bus to stop. Our guide also worked in animal control, so he got off the bus and "walked" back to get the hat. You could have heard a pin drop on that bus! Jeff Glanville's daughter was sitting with me and she watched this whole thing thru my binoculars (although she held them backwards). (See Jeff? This is what doing NASIS constantly, will do to you: Genetic Damage!) This reminded me of the scene where Jeff Goldblum sees the T-Rex chasing them in the rear view mirror with the words "Objects are closer than they appear!" Well, no one got hurt on our tour and we all had an exciting time.

I am sure that as we proceed with the Certification Program we will encounter some exciting times ahead in AOP. Executive Council has asked some very capable individuals to serve on the first AOP

Certification Board and to stagger their terms so there is continuity on the Board. The AOP Certification Board Members are: Dr. Jerry Bigham – OSU, 2 yrs; Tim Gerber – ODNR, 3yrs; Rich Gehring – NRCS, 3yrs; Dan Michaels – Private Consultant, 3 yrs; and Rex Mapes – Private Consultant, 1 yr. The current plans are for this group to meet this fall and organize themselves by following the Certification Document approved at last Winter's Annual Meeting in Columbus. We will keep you advised of their progress in the next newsletter.

Speaking of the Annual Meeting, mark your calendars for January 24<sup>th</sup>, 2002 at the Marriot – North. Dr. Scott Moody from Ohio University in Athens will be our featured speaker. Dr. Moody will discuss his research on "Using Soil Surveys to Find Endangered Species".

And finally, I found out a couple of weeks ago, that The North Central States Forest Soils Conference will be hosted in North West Ohio during October of 2002. (I wonder why it was never in NW Ohio before? Could it be because we don't have any trees up here?). Well, contrary to popular beliefs, we do have trees up here: windbreaks, wood lots, hardwood wetlands, wooded riverine buffer strips and a very big furniture maker: Sauder Wood Working. Executive Council will be looking for AOP Members to help with Presentations, Refreshment, and Exhibit Committees in the coming year.

Well, I received an email from Bill Schumacher recently that his kids had such a good time that they are still running around the house practicing to be Rhinos. Maybe I should try that on some people at work!

Keep The Faith,

*Frank*

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## 2000 DIRECTORY OF OFFICERS

Frank Gibbs, President  
Jeff Glanville, President-elect  
Robert Parkinson, Past President  
Mark Feusner, Secretary  
Matt Sullivan, Treasurer  
Ed Miller, Newsletter editor  
Neil Smeck, Academic Rep  
George Derringer, Federal Rep  
Joe Steiger, Private Rep  
Neil Martin, State Rep

## Summer at the Wilds

from Jeff Glanville

The summer meeting and picnic for the Association of Ohio Pedologists was held Saturday, August 11<sup>th</sup> at The Wilds, a large wildlife conservation park in southeast Muskingum County. Over 70 AOP members and family members attended.



**Not really a petting zoo. Dr. Mark Atkinson with one of the rhinos.**

The Wilds is on almost 10,000 acres, mostly reclaimed strip-mined land, which was donated by American Electric Power. The park has been open to the public since 1991. The main mission apparently is conservation of wild animals. There are about 20 species of introduced animals. Some of the animals we saw were: Bactrian camel, Pere David's deer, Przewalski's wild horse, and red-crowned crane, all from Asia; sable antelope, southern white rhino, and reticulated giraffe, from Africa; North American bison; and the elusive Feusner albino forearm, previously seen in North America



**Two oryxes enjoying the day.**

Park staff gave us the standard bus tour in the morning, during which we saw the animals mentioned above roaming or grazing in the grass, swimming in a pond, or just watching us. During the tour, the Glanville family and the Griffin family participated in an across-the-aisle-of-the-bus student exchange program.

A hard morning viewing the wildlife on the Muskingum savanna made us all hungry, and we were ready to go to the picnic facility for lunch. This facility was near the top of a hill, and provided a good view of the beautiful reclaimed land below. After lunch, AOP members had a very brief business meeting, and some of our children ran around like wild animals.



**One of the many happy faces at The Wilds.**

After lunch, we had a special VIP tour of the rhino center and some of the other general veterinarian work areas. One area includes a padded room for animals waking up from anesthesia. After bouncing around the padded room, we viewed a short video on some of the animal care methods used by The Wilds staff. Our tour guide was Dr. Mark Atkinson, director of animal health at The Wilds.

It was a great tour, picnic, and meeting. I was very impressed with the staff's detailed knowledge of all aspects of animal health and habits. We had a good turnout, the weather was beautiful, and my kids didn't ask any questions about the artificial insemination portion of the video.

## SOIL FRACTURES THREATEN GROUND WATER SAFETY

*Article from Ohio State Alumni Magazine, September 2001 edition (p.11)*

At least 55 of Ohio's 88 counties have underground fractures that could affect the purity of ground water, according to a series of recent studies at Ohio State.

The glaciers that covered much of Ohio during the last ice age left behind rock and soil that was thought to be impermeable to wastes. "However, now we're finding that is not true," said Ann Christy, assistant professor of food, agricultural, and biological engineering.

Christy and other scientists have begun an effort to locate and describe underground fractures beneath

Ohio counties. Fractures recharge the underground water table, which supplies 800,000 private wells and more than 40 percent of the public water supplies in Ohio. But water that passes through fractures isn't purified in the same way as it would be if it traveled through tightly compacted soil and rocks, Christy said.

Christy and her colleagues conducted tests that estimated a molecule of water could move 155 inches through a fracture during one year but only 14 inches through unfractured soil.

"Any land areas once covered by glaciers should be screened for fractures, particularly if those areas are candidates for a landfill site, livestock waste facility, or other use that could potentially endanger the water supply," Christy said.

## Association News

### Awards Committee

from Larry Milliron, Chairman

The current AOP awards, eligibilities and procedures were adopted in 1989 by the membership by my best record. This rewrite includes slight edits that were noted earlier and is intended to standardize the award descriptive format and to clarify a couple timeline items. If you have any suggestions or questions, etc. please let me know so that needed edits can be incorporated.

Nominations for worthy award candidates need to be submitted to me by November 15. The nominations form is provided to solicit nominees for due recognition of eligible candidates.

### Announcing the 2002 Annual Meeting of the Association of Ohio Pedologists

Executive Council has set the date for the annual winter business meeting of the Association for January 24, 2002. The Annual Meeting is also scheduled for January 24, 2002 at the Marriott-North in Columbus during the same week as the Ohio Federation of Soil & Water Conservation Districts (OFSWCD) Meetings. Dr. Scott Moody from Ohio University will discuss his research on "Using Soil Surveys to Find Endangered Species" during the meeting.

Next year the All Ohio Chapter of the Soil and Water Conservation Society (AOC-SWCS) will be meeting in March during the week of the All-Employees meeting. Council discussed the different meeting arrangements and it was decided to keep our meeting at about the same time as past years. Registration and other information will be sent out with the winter issue of the newsletter.

### Welcome New Members

Philip Levison has been approved as a Soils Professional by the Executive Council. Philip received his Associate Degree from ATI at Wooster and his Bachelors and Masters from The Ohio State University where he is currently serving as research associate in areas of soil fertility and GIS. Philip's hobbies and special interests include raising horticultural crops (mainly fruits and vegetables) and Groucho Marks impressions! Philip is a member of the Soil Science Society of America.

Dean Shields has been approved as an Affiliate Member. Dean received his Bachelors and Masters from The Ohio State University where he worked in the Soil Characterization Laboratory. Dean enjoys playing guitar, hurting himself while he attempts to play hockey, and traveling.



## ANNOUNCEMENTS

### October 12th Field Day at Defiance

From Julie Wetherington-Rice, Soils Professional

As most of you know, we are planning a field day October 12th in Defiance at the Defiance County Research Facility. This site was picked so that we can include our friends from NW Ohio who have to travel so far for our other field days (and also so we can see what we find up there). The day will include two long, 6-7 foot deep soils/ glacial materials pits (double stepped - Ann's design), one that has been dyed and one without. Unlike previous field days that have been sponsored, this time the pits will be only roughly prepared so that all coming to the field day will be involved in the final pit preparation and fracture studies. Plan on bringing small hand tools and wear old clothes because Ralph says the dye WILL NOT come out. Frank Gibbs and Martin Shipitalo will repeat their tile smoking demonstration and Mike Angle, ODNR, Division of Water will lead an afternoon side trip to a natural glacial till/soils cut of interest nearby for fracture studies.

### Gravel/Gravelless/Chambered Leaching Systems: They Can Work Better Together

From Raymond. G. Herbst, Affiliate Member

In case you are interested, I recently published this article in Small Flows Quarterly, a national publication of West Virginia University and National Small Flows Clearinghouse.

The index is at:

[http://www.nesc.wvu.edu/nsfc/sfq\\_toc.html](http://www.nesc.wvu.edu/nsfc/sfq_toc.html)

The article is on Adobe Acrobat reader on page 5 of 27 at:

<http://www.nesc.wvu.edu/nsfc/pdf/SFQ/SFQs01.pdf>

### Central States Forest-Soils Workshop Slated for Ohio in 2002

Ohio soil scientists will play host to the 22nd Annual Central States Forest-Soils Workshop in Northwest Ohio next fall. Although the workshop is still a year away soil scientists and foresters are already making plans for the big event. Early planning activities include arranging for sponsorship, publicity, local arrangements, site selection and soil descriptions, speakers, and evening program events. Several soil scientists and foresters from Ohio will attend the workshop this year in Matteson, Illinois to gain useful planning information. States participating are Ohio, Indiana, Illinois, Kentucky, Tennessee, and Missouri. The Association of Ohio Pedologists will be looking at ways to be of assistance in making the event both educational and

enjoyable. If you would like to help out please make your wishes known to the Executive Council.

### Soil Scientist Added to Division Staff

Matt Deaton has been selected for a new soil scientist position in the Southwest Ohio Soil Survey Project Office in Wilmington. He is only the second field soil scientist added to the Soil Inventory and Evaluation Section staff since 1988. His position is funded by the Statewide Digital Soils Information (SDSI) Project, since ODNR soil scientist Terry Lucht has been assigned to conduct field investigations in support of digitizing for seven southwest Ohio counties. Matt is available to replace Terry on the soil survey update project in Preble County and on other surveys that are being prepared for publication.

Matt received his bachelors degree in environmental science at OSU in June and has been employed as a college intern with the division since January. He placed fourth among individuals competing in the National Collegiate Soil Judging Contest in April. He is a native of Preble County and resides there. Welcome aboard, Matt!

### Equipment for Sale

Rick Wirick, who works in Medina and used to do soil testing, has some apparently "lightly used" equipment available for sale.

#### List of Equipment:

- 1 CENT-O-GRAM SCALE
- 1 SMALL TRIPLE BEAM SCALE
- 1 "DESPATCH" FORCED AIR LAB OVEN (LARGE COUNTER TOP STYLE)
- 1 HYDROMETER MIXER W/MIXING CUP
- 12 8" SIEVES (VARIOUS SIZES)
- 1 12" DIAM. - 3/4 INCH SIEVE
- 1 SAND EQUIVALENT TEST KIT
- 2 ASTM D 1557 PROCTOR HAMMERS
- 1 SMALL SAMPLE SPLITTER
- 1 PORE PRESSURE READOUT AND TRANSDUCER
- 1 HEAVY DUTY CONSOLIDATION DEVICE
- 1 UNCONFINED COMPRESSION DEVICE (MANUAL)

NOTE: EVERYTHING IS IN VERY GOOD CONDITION

Contact: Rick Wirick  
Phone: 330-948-1736  
Email: riclin81@hotmail.com

### **Photos of Soil Scientists from the 1950s, 60s, and early 70s**

**From Dick Christman, ODNR Soil Scientist from 1955 to 1986.**

A picture history of the Ohio Soil Survey was documented by Jim Petro, project leader for soil surveys in Fairfield, Fayette, and Ross Counties. Jim was a good photographer and friend of many current AOP members. He frequently had a camera with him in the field to capture many soil scientists of all agencies that participated in the survey.

These black and white photos, along with some color, are now in a photo album in the Richard B. Jones Memorial Soil Library in Columbus at ODNR's Building B, on the third floor. The first picture was taken in 1953, but most were taken in the 1960's and early 1970's. The soil scientists are identified by name, and the photos are dated.

The album includes pictures of about one-third of the 193 soil scientists listed on the "Ohio Soil Survey Honor Roll" (from the 1992 Threshold Acre Celebration). I urge all to see it at the Jones Library.

## *Member News*

### **Sabine Grunwald takes new position**

On August 15 Sabine started work as Assistant Professor at the Soil and Water Science Department, University of Florida. She is excited about the new position which enables her to do research in the areas of soil-landscape modeling, land resource management, and soil and water quality. Unfortunately, she had to leave Ohio and move to Florida.

New address:  
Sabine Grunwald  
Assistant Professor Land Resources  
Soil and Water Science Department  
University of Florida  
2171 McCarty Hall  
P.O. Box 110290  
Gainesville, FL 32611

### **Medical Updates**

- Bob Ritchie had prostate surgery on August 8. Larry Ternes talked to Bob after his surgery, and he was doing fine. Bob's doctor recommended the surgery as a precaution against cancer. If you'd like to say hello or send a card to Bob, his address is 3500 Crandon Street, Hilliard, OH 43026-1807.
- Dr. Rattan Lal was admitted to OSU Hospitals and underwent heart by-pass surgery on Tuesday, July 24. Dr. Lal is back at work now and in good spirits.
- Dick Christman recently had a basal cell carcinoma removed from his chin. Dick is doing well and planning a trip to Austria soon.

## Association of Ohio Pedologists

### Awards Committee

#### Description of Responsibilities

The Awards Committee is a standing Committee provided by Article VII, Section 2 of the Association of Ohio Pedologists Constitution.

The Awards Committee should consist of 3 to 5 members selected by the President-elect, with the Chairman appointed by the President-elect and announced at the Annual Meeting.

The Committee will solicit nominations from the membership for each of the awards (Honorary Membership, Distinguished Service Award, Pedologist Merit Award, and Golden Clod Award). The deadline to receive Award Nomination Forms is 60 days prior to the Annual Meeting. The Awards Committee will review the nominations and select the most worthy award candidates. [One or more recipient(s) for each award annually, providing a suitable candidate(s) is nominated.]

The Awards Committee Chairman will submit the names of selected nominees on AOP letterhead to the President for review by the Executive Council with a recommendation for approval of the selected candidates. In the case of equally qualified and deserving nominees, the Executive Council may approve more than one recipient in any category.

After being notified of approval of nominees by the Executive Council, the Awards Committee will arrange for preparations of plaques, trophies and certificates. They will organize the presentation of the awards at the Annual Meeting. Awards that cannot be presented to recipients at the Annual Meeting will be made at the earliest appropriate occasion after the Annual Meeting. In the case of awards to non-members, the award may be made at another time, if appropriate.

The Awards Committee will also provide the Certificates of Appreciation and the Membership Certificates for the Association.

#### AWARDS CRITERIA

<b><i>AWARD CATEGORY</i></b>	<b><i>ELIGIBILITY</i></b>	<b><i>AWARD EMBLEM</i></b>	<b><i>PURPOSE</i></b>
HONORARY MEMBERSHIP	MEMBERS or NON-MEMBERS	PLAQUE	To recognize highly regarded persons for service and dedication to pedology.
DISTINGUISHED SERVICE AWARD	NON-MEMBERS CERTIFICATES	PLAQUES,	To recognize exceptional contributions to the Association, the soil survey program or pedology.
PEDOLOGIST MERIT AWARD	MEMBERS	CERTIFICATE	To recognize outstanding accomplishments compatible with Association objectives.
GOLDEN CLOD AWARD	MEMBERS	TROPHY	To recognize unusual or unexpected accomplishments in a humorous way.
CERTIFICATE of APPRECIATION	OUTGOING EDITOR, COMMITTEE CHAIRMEN	CERTIFICATE	To recognize faithful execution of their responsibilities for their elected or appointed terms for serving AOP.
MEMBERSHIP CERTIFICATES	ALL MEMBERS	CERTIFICATE	To recognize Association members by appropriate category of membership.

# ASSOCIATION of OHIO PEDOLOGISTS

## AWARDS NOMINATION FORM

Complete and return to the Chairman, AOP Awards Committee

**Date:** \_\_\_\_\_

**Nominee:** \_\_\_\_\_

**Nominee's Profession:** \_\_\_\_\_

**Nominee's Address:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Nomination for ---**

- ☐ **Honorary Membership**
- ☐ **Distinguished Service Award**
- ☐ **Pedologist Merit Award**
- ☐ **Golden Clod Award**

Briefly explain the nominee's qualifications for the award, and why you believe he/she deserves recognition. (Use additional sheets if necessary.)

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**Submitted by:** \_\_\_\_\_

## ***CRITERIA for HONORARY MEMBERSHIP***

*The Honorary Membership Award is bestowed upon persons who are highly regarded for their demonstrated service and dedication to pedology in accordance with the objectives of the Association.*

### ***A. Eligibility:***

- 1. Nominees may be members of the Association or non-members selected to be honored by the Association.*
- 2. The nominee has demonstrated commendable service and dedication to pedology.*
- 3. Five or more members of the Association must nominate a candidate to be considered for Honorary Membership.*
- 4. The Executive Council will review the nomination and, if approved by a majority vote, the nomination will be presented to the membership for a confirmation vote.*
- 5. The nomination must be confirmed with a 2/3 approval of the membership vote.*

### ***B. Award:***

- 1. Emblem of award - Plaque*
- 2. Term of award - An Honorary Member shall be elected for life unless revoked by a 2/3 vote of the membership for just and sufficient cause.*

*Initial nominations are made to the Awards Committee Chairman on Awards Nomination Forms. A minimum nomination must be made by five Association members for a nominee to be recommended by the Awards Chairman to the Executive Council. Nominations must be received by the Awards Committee Chairman not later than 60 days prior to the Annual Meeting.*

*The Chairman will present a written nomination on AOP letterhead to the President for Executive Council review. If approved by the Executive Council, the nomination will be made at the next regular or special meeting of the Association.*

*If the nominee is approved by a 2/3 vote of a legal quorum, the Awards Committee will prepare the award plaque. The Secretary-Treasurer will issue the membership.*

## ***CRITERIA for DISTINGUISHED SERVICE AWARD***

*The Distinguished Service Award is an external award presented to individuals outside the Association who have made special contributions or achievements compatible with the objectives of the Association.*

### ***A. Eligibility:***

- 1. The nominee is a non-member of the Association at the time of nomination.*
- 2. The nominee has made special contributions or significant achievements compatible with the objectives of the Association.*
- 3. The nominee must be nominated by an AOP member, recommended by the Awards Committee and approved by the Executive Council to be awarded the Pedologist Merit Award.*

### ***B. Award:***

- 1. Emblem of award - Certificate, and/or plaque.*

*When appropriate, awards will be made annually and announced at the Annual Meeting.*

*Initial nominations must be made in writing by AOP members on Awards Nomination Forms. Nominations must be received by the Awards Committee Chairman not later than 60 days prior to the Annual Meeting.*

*The Awards Committee will review and select the most worthy nominees. The Chairman of the Awards Committee will submit the names of selected individuals to the President on AOP letterhead so that they can be reviewed by the Executive Council.*

*Types of awards as well as the time, location, and occasion of the award presentation will be recommended by the Awards Committee and approved by the Executive Council. If the award cannot be presented at the Annual Meeting, the AOP Presenter should also be identified.*

*If the nomination(s) is approved by the Executive Council, the Awards Committee will prepare the appropriate award certificate and/or plaque. The award presentation will be made at the Annual Meeting or alternative occasion.*



## **CRITERIA for PEDOLOGIST MERIT AWARD**

*The Pedologist Merit Award is an internal award presented to a member of the Association who has made special contributions to the Association, the soil survey program or pedology.*

### **A. Eligibility:**

- 1. The nominee must be a member of the Association in good standing.*
- 2. The nominee has made outstanding contributions to the Association objectives, the soil survey program or pedology.*
- 3. The nominee must be nominated by an AOP member, recommended by the Awards Committee and approved by the Executive Council to be awarded the Pedologist Merit Award.*

### **B. Award:**

- 1. Emblem of award - Certificate*

*Initial nominations must be made in writing by AOP members on Awards Nomination Forms. Nominations must be received by the Awards Committee Chairman not later than 60 days prior to the Annual Meeting.*

*The Awards Committee will review and select the most worthy nominees. The Chairman of the Awards Committee will submit the names of selected individuals to the President on AOP letterhead so that they can be reviewed by the Executive Council.*

*If the nomination(s) is approved by the Executive Council, the Awards Committee will prepare the award certificate. The award presentation will be made at the Annual Meeting.*

## **CRITERIA for GOLDEN CLOD AWARD**

*The Golden Clod Award is an internal award presented annually, as appropriate, to a member of the Association who has distinguished himself by accomplishing the unusual or unexpected.*

### **A. Eligibility:**

- 1. The nominee must be a member of the Association in good standing.*
- 2. The nominee was directly, or indirectly involved in a humorous incident in the past year.*
- 3. The nominee will not be caused undue embarrassment by the award.*
- 4. The nominee must be nominated by an AOP member, recommended by the Awards Committee and approved by the Executive Council to be awarded the Golden Clod Award.*

### **B. Award:**

- 1. Emblem of Award - Traveling trophy*

*This award is ment to be "all-in-fun" and should not be presented as a "slap-in-the-face".*

*Awards will be made annually, when possible, and will consist of a traveling trophy depicting a golden clod. The trophy will accumulate momentous depicting each incident that inspired the recognition. Selecting and attaching momentous should be the responsibility of the current trophy-holder. The trophy will be passed from the current trophy-holder to the next recipient.*

*Initial nominations must be made in writing by AOP members on Awards Nomination Forms. Nominations must be received by the Awards Committee Chairman not later than 60 days prior to the Annual Meeting.*

*The Awards Committee will review and select the most worthy nominees. The Chairman of the Awards Committee will submit the names of selected individuals to the President on AOP letterhead so that they can be reviewed by the Executive Council.*

*If the nomination(s) is approved by the Executive Council, the Awards Committee will notify the current trophy-holder of the next recipient and the circumstances being recognized. The award presentation will be made at the Annual Meeting.*

## **CRITERIA for CERTIFICATE of APPRECIATION**

*The Certificate of Appreciation is recognition presented to the recipient at the conclusion of his/her elected or appointed assignment as editor or committee chairman, etc. for diligently executing the charges given him/her.*

### **A. Eligibility:**

- 1.     *The person has faithfully served as editor or chairman for the minimum of a full term.***
- 2.     *The person has maintained good standing throughout the term of service.***

### **B. Award:**

- 1.     *Emblem of award - Certificate***

*This award is a formal 'Thank You' for the leadership/service efforts given in behalf of furthering the objectives of the Association during tenure. Nominations are considered 'automatic' for editors and chairmen of committees.*

*The Chairman of the Awards Committee will submit the names of eligible recipients to the President on AOP letterhead so that they can be reviewed and approved by the Executive Council.*

*After being notified of approval by the Executive Council, the Awards Committee will prepare the award certificate. The award presentation will be made at the Annual Meeting.*