



# American Institute of Professional Geologists Kentucky Section Newsletter

Summer 2005, Volume 21, Number 2

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## 42nd AIPG National Meeting

### *Geologic Information: Racing into the Digital Age*

**Just a reminder that the deadline for early registration is September 10. Go online to register or download your form and mail it in before the deadline to avoid the higher fee.**

Remember to mark down the dates for the AIPG 42nd National Meeting, hosted by the Kentucky Section, in Lexington, at the Radisson Hotel, October 8–13. More information can be found on the KY-AIPG Website ([www.professionalgeologist.org](http://www.professionalgeologist.org)). Navigate to “2005 AIPG Meeting” for more information on events, registration, field trips, and details for each day.

If your company would like to help sponsor an event, contact Gil Cumbee at 502.868.0975. Don’t forget to pass on the meeting details to all who are interested. If you would like to volunteer assistance before or during the meeting, please contact Tom Spalding.

## A Message from the President: Donnie Lumm

Webster’s Dictionary (9th ed.) defines “host” as “one that receives or entertains guests socially, commercially, or officially.” As host of this year’s AIPG Annual Meeting, the Kentucky Section-AIPG has a privileged part to show our best southern hospitality to the guests that attend our meeting. Yes, it is our meeting, and yours too! Have you registered for the annual meeting? If not, I hope that you will do so. The meeting dates are October 8–13, and the meeting will be headquartered at the Radisson Plaza Hotel in Lexington. Plan to attend a technical session, field trip, short course, or any of the other scheduled events. Visit with commercial vendors or socialize with old friends. You may not realize it, but just one or two days of your attendance will make an impact and impression for all. As part of the home team, you can help make our out-of-state guests feel welcome and glad they came to visit our beautiful com-

monwealth. Your attendance will help the Kentucky Section to achieve social, commercial, and official success for hosting the nation of professional geologists.

I am pleased to report that the Kentucky Section-AIPG is hard at work and making progress toward the planning of the annual meeting. All members are encouraged to attend the section meetings, and get a sneak preview of the meeting events. For 2005, the Kentucky Section meets the second Saturday of every month, usually at a different location. Section meetings are scheduled for Saturday, July 9, at 9:30 a.m. at the Capital Annex Building in Frankfort and on Saturday, August 13, at 10:30 a.m. (CDT) at the Moonlite Barbeque Restaurant in Owensboro. The Owensboro meeting will obviously feature the famous BBQ buffet. If you are interested in attending the

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# KY-AIPG Spring 2005 Field Trip and Annual Awards Banquet

The Kentucky Section of AIPG held the section's 2005 Spring Field Trip and Annual Awards Banquet on April 23, 2005. Despite unseasonably cold weather and rain for the entire day, approximately 40 people attended the field trip. The attendees included KY-AIPG members, members of the Kentucky Society of Professional Geologists, geologists from Kentucky and Ohio, and undergraduate and graduate students from Morehead State University and the University of Cincinnati. Lawrence C. Weber (CPG #7120), 2005 President-elect, also attended the field trip representing National AIPG.

According to the U.S. Geological Survey, the northern Kentucky–Cincinnati area has the largest per capita damage rate from landslides in the nation. The three counties that comprise the northern Kentucky area (Boone, Kenton, and Campbell) are part of the fastest growing areas of the state of Kentucky and contain one of the three largest population centers in Kentucky. The KY-AIPG Spring Field Trip examined the geology of northern Kentucky and the Ohio River Valley with an emphasis on the area's geology related to geologic hazards. Field trip leaders included William "Drew" Andrews from the Kentucky Geological Survey and Rick Bullard and John Rockaway from Northern Kentucky University. The field trip made several stops in northern Kentucky and the Cincinnati area of southwestern Ohio. The field trip started at Big Bone Lick State Park, the "birthplace of American vertebrate paleontology," where attendees were introduced to the geology, geomorphology, geochemistry, and hydrology of the park and the Big Bone Creek Valley. The name of the state park and surrounding area comes from the numerous well-preserved bones of mammoth, mastodon, giant ground sloth, bison, musk ox, caribou, and horses that have been found in

Pleistocene lacustrine deposits. The prehistoric mammals were attracted to the area by saline springs.

The second stop of the field trip was at Boone Cliffs State Nature Preserve. Boone Cliffs is a 75-acre tract of old growth forest developed on cliffs of consolidated Early(?) Pleistocene glacial-outwash conglomerate overlying shale and limestone bedrock of the Upper Ordovician Kope through Bull Fork Formations. Following our stop at Boone Cliffs, the field trip traveled to Burlington, Ky., where everyone enjoyed lunch at the historic County Seat Restaurant and were able to dry off.

From Burlington, the field trip proceeded to Anderson Ferry Crossing, located on the Ohio River west of Cincinnati. This ferry crossing is located at a former divide in the pre-glacial (Illinoian) drainage. The divide separated drainage that flowed east and joined with the Teays River system from that which flowed west and joined with the paleo-Kentucky River system. Evidence of the paleodrainage systems was examined. After crossing the Ohio River at Anderson Ferry, the field trip proceeded to the next field trip stop at Price Hill Incline. From this overlook of the valley area where the town of Cincinnati originated, field trip leaders discussed aspects of population growth and its impact on the surrounding slopes and hilltop areas. Historically, incline railroads allowed access to the upland areas. Slope instability problems associated with the underlying Late Ordovician-age Kope Formation were examined.

The field trip returned to the Kentucky side of the Ohio River for stop 5. At this stop field trip participants were able to get a closer look at outcrops of the Late Ordovician age upper Kope, all of the Fairview, and the lower Bellevue Formations at the Mason Road outcrop near Taylor Mill, Kenton County, Ky. Discussions at this stop

concentrated on shallow-marine tropical depositional environments.

A sixth unscheduled stop was made at Devoe Park, where field trip participants could view the effects of a landslide on new home construction. At this site a newly constructed home is uninhabitable and inaccessible due to landslides that have compromised the house's foundation and totally covered the house's driveway. This house was built on a slope underlain by the Late Ordovician age Kope Formation.

After completing a full day of field trip activities, participants returned to the Hilton–Cincinnati Airport in Florence, Ky., for KY-AIPG's Annual Awards Banquet. Attendees were able to relax prior to the banquet and discuss the day's activities while enjoying a pre-banquet social hour or two. After the meal was completed, Jeannine Kreinbrink, an archeologist with Northern Kentucky University, made a presentation about ongoing research at Big Bone Lick State Park. Donnie Lumm (CPG #8987), 2005 president of KY-AIPG, then presented student awards consisting of wall certificates and \$500 checks to Brooke Bennett of the University of Kentucky and Ariana Perkins of Northern Kentucky University. KY-AIPG's Geologist of the Year Award was presented to David Jackson of the Kentucky Division of Waste Management for his efforts in getting a geologist-in-training bill passed by the 2005 Kentucky legislature. David K. Hylbert (CPG#4621) of Morehead State University was presented with KY-AIPG's Lifetime Achievement Award by Donnie Lumm (CPG #8987) and Charles E. Mason (CPG#7465). The final award of the evening was presented to Michael P. Sanders (CPG#7112) for his service to the Kentucky Section as president in 2004.

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—Spring Field Trip and Banquet, continued from page 2

A copy of the field trip guidebook for the KY-AIPG 2005 spring field trip is available in PDF format at [www.professionalgeologist.org/2005SFT-FIELDGUIDE.pdf](http://www.professionalgeologist.org/2005SFT-FIELDGUIDE.pdf)

Special thanks were extended to Republic Services, Spade Corporation, and The Allen Company for providing financial

support for the KY-AIPG Spring 2005 Field Trip and Annual Awards Banquet.

*Gil W. Cumbee, CPG-9436, Treasurer, AIPG KY Section*

*Faith Fiene, MEM-0406, Vice-President, AIPG KY Section*

—Message from the President, continued from page 1

Owensboro meeting and reserving a place at the buffet table, you can contact me by email at [DonnieLumm@aol.com](mailto:DonnieLumm@aol.com). Please come and see what the section is doing, and how you can help us host the annual meeting. If you cannot come to the section meetings, please check the section Website ([www.professionalgeologist.org](http://www.professionalgeologist.org)) to review the updates posted for the annual meeting and other section activity.

Besides planning for the annual meeting, we are carrying on other section business. Our officers are updating lists of email addresses of professional geologists, working on obtaining reciprocation of certification with other states, and preparing drafts to the Kentucky Board of Professional Occupations concerning the procedures for geologists-in-training. Feel free to contact me or one of the other officers if you have questions or comments about your membership in AIPG.



Big Bone Lick Mueum.



William "Drew" Andrews discussing the Quaternary geology of the area.



William "Drew" Andrews discussing the importance of the Big Bone Lick spring.



Boone Cliffs glacial outwash.



Lunch at the County Seat Restaurant. Burlington, Ky.



Crossing the Kentucky River at Anderson Ferry, Ky.



Price Hill Incline overlooking Cincinnati, Ohio.



Kope Formation landslide just outside Devoe Park in Ohio.



President KY-AIPG Donnie Lumm and AIPG president-elect Larry Weber



Donnie Lumm presenting bDavid A. Jackson with the Geologist of the Year Award



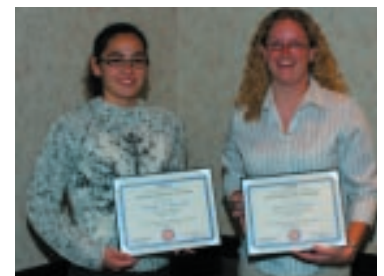
Charlie Mason presenting David K. Hylbert with the Lifetime Achievement Award for 2005.



Special engraved polished limestone slab for field trip leaders Rick Bullard, John Rockaway, and Drew Andrews.



Banquet speaker Jeannine Kreinbrink, an archeologists at Northern Kentucky University.



Student Achievement Awards for 2005 went to Brooke Bennett of the University of Kentucky and Ariana Perkins of Northern Kentucky University.

# Financial Update

Gil Cumbee—Treasurer  
Current balance as of June 11, 2005  
Checking Account: \$2,931.34  
Student Awards Account: \$1,005.40  
KY-AIPG Operating Funds: \$3,936.74

Tim Crumbie—National Meeting Treasurer

Balance as of June 2005: \$23,136.89

# Minutes

Wesley Turner—Secretary  
Posted on KY-AIPG Website

## Calendar of Upcoming Geological Events

- July 21–22: NGWA, Ground Water & Environmental Law Conference, Baltimore, Md.  
Aug. 17–19: AGWSE, Petroleum Hydrocarbons and Organic Chemicals in Ground Water Conference, Costa Mesa, Calif.  
More info: [info.ngwa.org/newsletters/agwsen/](http://info.ngwa.org/newsletters/agwsen/)  
Sept. 18–20: Eastern Section AAPG, Morgantown, W.Va.  
More info: [www.wvgs.wvnet.edu/www/esaapgos/](http://www.wvgs.wvnet.edu/www/esaapgos/)  
Oct. 9–15: KY-AIPG National Meeting, Lexington, Ky.  
More info: [www.professionalgeologist.org](http://www.professionalgeologist.org)  
Oct. 9–14: Earth Science Week  
More info: [www.earthsciweek.org](http://www.earthsciweek.org)  
Oct. 16–19: GSA, Salt Lake City, Utah  
More info: [www.geosociety.org/meeting/2005/](http://www.geosociety.org/meeting/2005/)  
Dec. 13–16: Ground Water Expo, Cobb County, Ga.

\*Room 102 Mining and Mineral Resources Building  
Kentucky Geological Survey  
University of Kentucky  
Brown Bag Series starts at noon. Pay parking is available only in  
Faculty Club lot or meters behind the Kentucky Geological Survey  
More info: call Amanda Long 859.257.5500 x110

# New Publication!

Great for Kids and Adults,  
Amateurs and Professionals



## Update on AAPG EMD Activities

Peter Warwick, president-elect of the AAPG Energy Minerals Division ([pwarwick@usgs.gov](mailto:pwarwick@usgs.gov)), reports that their division continues to be very active to promote research and communication among scientists in the areas of remote sensing and earth materials capable of being used for energy production. The EMD is the primary sponsor for several sessions at regional, national, and international AAPG meetings. The EMD Website ([emd.aapg.org](http://emd.aapg.org)) has recently been updated to include technical reports on various energy mineral commodities and geospatial information. A members-only section has been added to provide the latest committee and officer reports, as well as a searchable membership directory. Links to the Energy Minerals Grant (up to \$2000 U.S.) for students are also provided. The application deadline for the Energy Minerals yearly student grant is January 31. Please see [foundation.aapg.org/gia/howto.cfm](http://foundation.aapg.org/gia/howto.cfm) for student grant application instructions.

*The Atlas of Coal Geology*, published jointly by EMD and The Society for Organic Petrology, continues to be a bestseller. This publication, along with several others, is available for sale via the EMD Website. The publications include: *Sequence Stratigraphy, Paleoclimate, and Tectonics of Coal-Bearing Strata* AAPG Studies in Geology, No. 51 (2004), edited by Jack C. Pashin and Robert A. Gastaldo

*Unconventional Energy Resources of North America*, AAPG Poster (2003), by John R. Dyni

*Atlas of Coal Geology*, AAPG Studies in Geology, No. 45 (2000), by Alexander R. Papp, James C. Hower, and Douglas C. Peters

*Geology in Coal Resource Utilization* (1991), by Douglas C. Peters

The second edition of the *Atlas of Coal Geology* is planned for publication by both EMD and TSOP. The volume addressing the microscopic aspects of coal, ed-

ited by Jim Hower, is progressing well. Authors are needed to handle chapters on sequence stratigraphy, CO<sub>2</sub> sequestration, and stress environments (ground control, etc.). Please contact Jim Hower ([hower@caer.uky.edu](mailto:hower@caer.uky.edu)) or Alex Papp ([apapp5@comcast.net](mailto:apapp5@comcast.net)) if you're interested in contributing to this effort.

Other EMD-sponsored publications currently under way or in the planning process include a collection of papers from the recent AAPG Hedberg Gas Hydrate Conference, edited by Tim Collett; a collection of papers on CO<sub>2</sub> sequestration edited by Jack Pashin and others; and a geospatial technology applications CD-ROM, edited by Sam Limerick.

Membership in earth science professional organizations has recently been in decline. The EMD especially needs your help to continue to promote research in the areas of geospatial and the energy minerals. In order to continue to have a seat on the AAPG Advisory Council, EMD needs to maintain and increase its membership. There is much overlap in the goals of EMD and those of many other geological societies, so EMD invites related society members (if they are not already) to become a member of AAPG and EMD. EMD and AAPG membership application material is available on [emd.aapg.org/membership\\_form.cfm](http://emd.aapg.org/membership_form.cfm).