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Legislative: Donnie Lumm
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Website:
www.professionalgeologist.org

Mailing Address:
Kentucky Section AIPG
P.O. Box 24690
Lexington, KY 40524-4690

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American Institute of Professional Geologists
Kentucky Section Newsletter

Spring 2005, Volume 21, Number 2

42nd AIPG National Meeting

Geologic Information: Racing into the Digital Age

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). Navigate to “2005 AIPG Meeting” for more information on events and details for each day.

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.

KY-AIPG Spring Field Trip and Awards Banquet

Did you know that northern Kentucky-Cincinnati is one of the most landslide prone areas in the nation? Come join us on Saturday, April 23, when John Rockaway and Rick Bullard from Northern Kentucky University, and William Andrews Jr. from the Kentucky Geological Survey will lead a field trip that will answer this question. It will explore the deposits and landforms related to Pleistocene glaciation around the northern Kentucky-Cincinnati area. Some of the stops will be Big Bone Lick, Boone Cliffs, Licking Valley, and Mill Creek Valley. We will leave from the Hilton Cincinnati Airport (I-75, exit 182) at 9:00 a.m. and return around 4:00 p.m. The annual Awards Banquet will be held afterward at the Hilton Cincinnati Airport Salon 1 room. The mixer (cash bar) will begin at 5:30 p.m., and the banquet at 7:00 p.m. Award recipients are:

- **Student Award**
  - Ariana Perkins, Northern Kentucky University
  - Brooke Y. Bennett, University of Kentucky

- **Kentucky Geologist of the Year Award**
  - David A. Jackson

- **Lifetime Achievement Award**
  - David Hylbert

For more information, including hotel information (if you decide to stay over) and a registration form, visit the KY-AIPG Website (www.professionalgeologists.org) and navigate to Spring Meeting 2005.

Remember to register by March 3, so that all confirmations can be made. The field trip is limited to 60 people and costs $20 for professionals and guests, $10 for students. The Awards Banquet is $25 for professionals and guests and $20 for students. You may attend either or both.
A Message from the President

I am pleased to report that the officers and several members of the Kentucky Section are hard at work in the early months of 2005. The main event for this year, the Annual Meeting of AIPG, is only six months away! The theme of this year’s meeting is “Geologic Information: Racing into the Digital Age.” I have recently traveled to the Tennessee and Ohio Sections of AIPG to promote the Annual Meeting and to ask for their participation. Overall, the response of the Tennessee and Ohio Sections has been very favorable. I plan to attend the Virginias Section (Virginia and West Virginia are combined) meeting in April. The chairman of the Annual Meeting, Tom Spalding, has had to tweak the meeting schedule to accommodate some of the requirements of the executive staff of AIPG. The Kentucky Section is now set to host the Meeting from October 8-13 at the Radisson Plaza Hotel in Lexington. As “a call to arms,” I respectfully encourage each and every one of our Kentucky Section members to attend at least some part of the Annual Meeting. I want to make it crystal clear that the Kentucky Section is counting on your participation to make the Annual Meeting a practical and financial success. Numerous vendors of geological and technical products are booked to attend the meeting, and this would be a great chance for you to see their products firsthand and conduct business with them. Also, the financial windfall from the Annual Meeting could benefit the Kentucky Section for many years. The principal beneficiaries would be future scholarship recipients, who have been nominated and voted upon by the Section in recent years. The recipients are juniors or seniors who are majoring in geology and enrolled at a Kentucky college or university. Whether you are interested in a single field trip, a short course, a technical session, or just want to visit with friends or associates, you will leave the meeting with a sense of having represented your Section. Abstracts for the Technical Session Meeting, for oral or poster presentation, are being accepted through April 30. The abstract form is published in recent issues of The Professional Geologist (TPG) or it can be downloaded from the Kentucky Section AIPG Website. Please contact me personally if you have any questions or requests in that regard. As I stated in the last newsletter, we still need volunteers to help with planning the Annual Meeting or helping with some of the many little jobs. Thanks!

A significant milestone for present and future professional geologists in the Commonwealth was realized for the 2005 Legislative Session when the Geologist-in-Training (G-I-T) Certification Bill (Senate Bill 141) passed the Kentucky Senate on February 17 and the House on March 9. I wish to recognize and express thanks to David Jackson, P.G., for his tireless efforts in writing and promoting the G-I-T Bill and seeing that the right senators and representatives heard about and promoted the legislation. The G-I-T Bill will add credibility to the geological profession for practicing geologists within the Commonwealth and will add to the protection of the public by ensuring that geologists possess the fundamental qualifications needed to perform their duties. The G-I-T Bill now awaits the signature of Governor Fletcher to become law.

Finally, please check the Kentucky Section AIPG Website for further updates on Kentucky Section meetings and updates to the Annual Meeting schedule!

AAPG Distinguished Lecture

Arthur R. Green, retired chief geoscientist, ExxonMobil Exploration Company, will speak at the Kentucky Geological Survey at 7:00 p.m. on April 6. There will be a reception at 6:00 p.m. in the lobby of the Kentucky Geological Survey. Parking will be available in the parking structure next to the KGS. The title of his talk will be “Global Energy—The Next Decade and Beyond.”

This lecture will be exciting and informative. Oil prices skyrocketing; wars, unrest and revolution in many oil-producing countries; China’s booming economy; the United States’ ever-increasing appetite for consuming oil; the search for future exploration targets; conservation and the environment all contribute to increases in the price of oil, and these costs are passed on to the consumer. This is a hot topic that affects all of us.
The Legislative Research Commission was instrumental in getting the Geologist-in-Training Certification Bill, an amendment proposed to KRS 322A (Kentucky’s law for registration of professional geologists) prepared. SB 141 was sponsored by Sen. David E. Boswell. Sen. Ernesto Scorsone introduced it to the Senate, where, and Rep. Denver Butler, Reginald Meeks, and Ruth Ann Palumbo introduced the bill into the House. SB 141 now sits on Gov. Fletcher’s desk waiting to be signed into law. This is a big step forward for the geological community.

When a Rock Is Not a Mineral

On March 3, SB 99 was filed in the House as a floor amendment to KRS 2.091 and KRS 2.094. It designates coal (which was the Kentucky State Mineral) rather than Kentucky agate (which was the Kentucky State Rock), as the official State Rock and Kentucky agate as the Kentucky State Mineral.

Outcropics

Do you have something of geological interest that you, a friend or a student is working on or came across that you want to share with others? I want to create a section in the newsletter where you can submit a small geologically related article. Please e-mail the article (with title) and attachments of one or two pictures. Also you can submit a picture of yourself and a brief vita. Below are two articles about local occurrences, that are of geological interest.

Methane Pocket Hit While Drilling Holes for a Geothermal Unit

On Monday, March 7, while holes were being drilled for a geothermal heating/cooling system at the addition to the new West Jessamine Middle School, a pocket of gas was encountered. Backfilling could not contain the gas. West Jessamine Middle School and Rosenwall-Dunbar Elementary School were evacuated and the fire department was summoned. Workers proceeded to insert a pipe into the drillhole to burn off the gas. The gas (methane) was encountered at 300 feet, which would put it right in the Camp Nelson Limestone of the High Bridge Group. The West Hickman Creek Fault Zone lies a few miles to the east, which probably means that the drilling intersected a fracture. The gas continued to burn for several days.
What's in Your Basement?

Patrick Gooding of the Kentucky Geological Survey is putting together a seven-day field trip to his home turf of Trinidad and Tobago. The trip will integrate geological trips as well as cultural and social activities. There will also be numerous activities for spouses and children, such as relaxing on the beach, snorkeling, bird watching, historical tours, as well as tours to rainforests, mangrove swamps, savannahs, rivers, waterfalls, excellent cuisine, music from steel bands, and calypso bands, and of course limbo parties. With Patrick’s long family history and ties to the islands (knowing all the right people) this looks like it can be one dynamite field trip. For more information on the logistics of this field trip, contact Patrick Gooding at gooding@uky.edu.

An island off Trinidad

Tectonic map of Trinidad and Tabago
Financial Update

Gil Cumbee—Treasurer
Current balance as of March 11, 2005
Checking Account: $2,136.51
Student Awards Account: $1,004.04
KY-AIPG Operating Funds: $3,140.55

Tim Crumbie—National Meeting Treasurer
Balance as of February 2005: $16,594.46

Minutes

Wesley Turner—Secretary
Posted on KY-AIPG Website

Calendar of Upcoming Geological Events

March 17–18: GSA Southeastern Section, Biloxi, Miss.
   More info: www.geosociety.org/sectdiv/southe/05semtg.htm
March 23: Noon Time Earth Science Brown Bag Series*
   Dave Harris, Kentucky Geological Survey—Anomalous Porosity Development in Ordovician High Bridge Group
   (Black River) Carbonates, Clinton County, Kentucky
March 25: Kentucky Paleontological Society
   Jim Cobb, Kentucky Geological Survey—The Geology of Kentucky
   7:30 p.m., 102 Mining & Mineral Resources Building (Kentucky Geological Survey)
   More info: Contact Dan Phelps, 859.296.4870
March 30: Noon Time Earth Science Brown Bag Series*
   Jerry Weisenfluh, Kentucky Geological Survey—The KGS Geologic Map and Information Database
   Jim Dinger, Kentucky Geological Survey—Lock and Dam Systems in Kentucky
April 3–5: GSA Geology and Public Policy , Washington, D.C.
   More info: www.geosociety.org/science/govpolicy.htm
April 6: AAPG Distinguished Lecturer
   More info in this newsletter
April 13: Noon Time Earth Science Brown Bag Series*
   Ed Woolery, University of Kentucky, Department of Geological Sciences—Shear Reflections
   Marty Parris, Kentucky Geological Survey—Characterizing Basin Fluid Flow Conditions Using Fluid Inclusions
April 15: Noon Time Earth Science Brown Bag Series*
   Ernie Hauser, Wright State University—Geophysical Exploration at a Fort Ancient Archaeological Site: Mapping and
   Delineation of Burials at Sunwatch Village, Dayton, Ohio
April 21: PTTC Workshop, Kentucky Geological Survey Well Sample and Core Library, Iron Works Pike
   Outcrop Analogs for Trenton/Black River Hydrothermal Dolostones, central Kentucky
   More info: contact Dave Harris, Kentucky Geological Survey, 859.257.5500 x
April 22: Noon Time Earth Science Brown Bag Series*
   Chris Kendall, University of South Carolina, Department of Geological and Marine Sciences—Simulations and Back-
   striped Sequence Stratigraphic Models to Predict Horizontal and Vertical Extent of Sedimentary Bodies
   with the Same Depositional, Diagenetic, and Reservoir Character
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<th>Date</th>
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<tr>
<td>April 23</td>
<td>KY-AIPG Spring Field Trip and Awards Banquet</td>
<td>More info in this newsletter</td>
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| April 27  | Noon Time Earth Science Brown Bag Series*                                                   | Harry Rowe, University of Kentucky, Department of Geological Sciences—Reconstructing Paleoclimatology of the Mid-Atlantic/Appalachian Region Using Speleothems from West Virginia  
Sue Rimmer, University of Kentucky, Department of Geological Sciences—TBA |
| April 29  | Kentucky Geological Survey Annual Meeting                                                  | KGS Well Sample and Core Library, Iron Works Pike, 8:00 a.m.            |
|            |                                                                                             | More info: Call Amanda Long, 859.257.5500 x110                           |
| May 19    | GSA, North-Central Section, Minneapolis,                                                   | More info: www.geosociety.org/sectdiv/Northc/05nmtg.htm                 |
| June 19–22| AAPG, Calgary, Canada                                                                       | More info: www.aapg.org/calgary                                         |
| October 9–14| Earth Science Week                                                                           | More info: www.earthsciweek.org                                         |
| September 16-19| GSA, Salt Lake City, UT                                                                    | More info: www.geosociety.org/meeting/2005/                              |

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

Any upcoming events that you would like posted, you can e-mail me: rsmath@uky.edu
SPRING FIELD TRIP & AWARDS BANQUET

KENTUCKY SECTION
American Institute of Professional Geologists

Quaternary and Engineering Geology of Northern Kentucky/Cincinnati Region

An exploration of deposits and landforms related to Pleistocene Glaciations in and near the Northern Kentucky-Cincinnati Region

SATURDAY 23 April 2005
Hilton Cincinnati Airport (I-75 Exit 182)
7373 Turfway Rd, Florence, KY

Field Trip Leaders:
William Andrews, Kentucky Geological Survey
Rick Bullard, Northern Kentucky University
John Rockaway, Northern Kentucky University

Field Trip 9AM – 4PM
Leaving from the Hilton

Awards Banquet - Salon 1
Mixer/Cash Bar 5:30-7:00 PM
Banquet 7:00 PM

MAKE YOUR RESERVATIONS TODAY

Contact: Faith Fiene
Faith.Fiene@ky.ngb.army.mil or 502-607-1860

Use Attached Registration Form
REGISTRATION FORM

KENTUCKY SECTION AIPG
2005 SPRING FIELD TRIP & AWARDS BANQUET

Saturday April 23, 2005
www.professionalgeologist.org

Registrant Information:

Name __________________________________  Title _______________________________

Company Name _________________________  Phone ______________________________

Company Address _______________________  Fax ________________________________

City _________________________  State __________________  Zip __________________

E-mail Address ______________________________________________________________

AIPG Member CPG# _______ MEM# _______ SA# _______ Non-Member _____

Additional Registrants _________________________, ______________________________

Add. Registrants E-mail ________________________, ______________________________

Registration Fees: (payable in U.S. funds to Kentucky Section AIPG)

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<td>Awards Banquet</td>
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Total Fees Paid $__________________

Signature _______________________________  Date _______________________________

Field Trip will be limited to sixty (60) participants. Reservations will be made on a first come basis. Mail Registration Form with payment to:
Kentucky Section AIPG, P.O. Box 24690, Lexington, KY 40524-4690

Hotel Information: Please make your reservations as early as possible. Blocks of rooms for “AIPG” are available at:
1. Hilton-Cincinnati Airport, 7373 Turfway Road, Florence, KY 41042-1356, Phone 859-371-4400, Fax 859-371-3361. Single rate $87 plus tax. For reservations use 1-800-HILTONS or www.hilton.com. A limited number of rooms will be blocked at the Hilton until 1 April 2005.
2. Drawbridge Inn, 2477 Royal Drive, Ft. Mitchell, KY 41017-3599, Phone 859-341-2800. Single rate $69.00 plus tax. For reservations use 800-354-9793 or www.drawbridgeinn.com. A limited number of rooms are blocked until 1 April 2005.
Global Energy... the Next Decade and Beyond

APRIL 6, 2005
Lecture 7:00 pm
Reception 6:00 pm

The coming changes in the global energy balance have political, environmental, economic and security implications. The next stage of the energy business will be its greatest challenge as corporations and governments try to meet the never-ending demand for new sources of petroleum plus cost effective extraction of petroleum from existing fields.

As we meet the energy challenges of the future, our actions must be in concert with our beautiful planet and its precious creatures large and small.

Arthur R. Green
retired Chief Geoscientist,
ExxonMobil Exploration Company
Houston, Texas

Professional Interests include worldwide analysis techniques, hydrocarbon play analysis, and the influence of geology on human history and ecology.
Publications include worldwide regional studies and basin analysis reports including published papers on the Evolution of the Earth’s crust, circum-artic geologic evolution and petroleum potential, and methods of petroleum exploration in frontier areas.

Free to all public invited

The Lecture will be held on the University of Kentucky campus; room 102 of the Mining & Mineral Resources Building which faces Rose St.

Free parking will be available in Parking Structure #2 next to the Mining & Mineral Resources Building. Enter from Hilltop Ave.