



SUMMER 1998 Volume 2, Number 1

Message from the President: Don Chesnut

Greetings. The Executive Committee of the KSPG has created some new opportunities for the members and the public that we are very excited about and we think you will be too. These include new e-mail lists, seminars, training, a unique fall field trip, and opportunities for public education. Several new committees headed by volunteers will be responsible for developing each of these opportunities.

The **Seminar Committee** is a new committee headed by Jim Drahovzal. Jim and his committee will find speakers from a variety of disciplines for presentations held throughout the year. This year, we are aiming for a presentation every two months. Jim will report their plans in a following section.

The new **Training Committee**, chaired by Brandon Nuttall, exists to plan and provide whatever training KSPG members need and at the lowest possible costs. Several training sessions have already been planned for this year so check on the Training Committee report by Brandon and sign up for these before they are filled.

The **Field Trip Committee** members this year are Don Chesnut, Cortland Eble, Garland Dever, and Stephen Greb. They are planning a most unusual fall field trip described in more detail later. This field trip has led to the creation of the following new committee.

The **Distinguished Geologic Sites Committee**, to be headed by William "Drew" Andrews, was created to bring public attention to important geologic sites in Kentucky. The duties of this committee not only include determining worthy sites, but developing information about the sites for the public, promoting opportunities for public education and in setting up site-award ceremonies. The first such site is the subject of this fall's field trip, Pound Gap in Letcher County.

Two new e-mail forums (lists, listservs, or listservers) have been setup by the KSPG. These are KYGEOLOGIST and EARTHK-12. **EARTHK-12** is designed to assist earth science teachers (kindergarten to grade 12) and is not restricted to Kentucky. If you are an earth science teacher or if you would like to assist earth science teachers, you should join this list. To join, send an e-mail to...

listserv@lsv.uky.edu

use no subject line, but in the text field type *subscribe earthk-12 firstname lastname* (substitute

your name for the name fields) and then send the message. Listserv will automatically record your e-mail address and subscribe you to the list. Then, if you want to ask a question or answer someone else's question, you would send an e-mail to the following address...

earthk-12@lsv.uky.edu

Listserv will automatically distribute the e-mail to everyone else subscribed to the list.

KYGEOLOGIST is an e-mail list for anyone interested in Kentucky geology or the profession of geology in Kentucky. This is for consulting, academic, or government geologists or even amateurs, students or teachers. Questions may range from "Where is there a good place to find fossils?" to "Where do I file these kinds of permits?" Answers will come from other subscribers. KSPG will also make announcements to this list about training and seminars. To join, send an e-mail to...

listserv@lsv.uky.edu

use no subject line, but in the text field type *subscribe kygeologist firstname lastname* (substitute your name for the name fields) and then send the message. Listserv will automatically record your e-mail address and subscribe you to the list. Then, if you want to ask a question or answer someone else's question, you would send an e-mail to...

kygeologist@lsv.uky.edu

Listserv will automatically distribute the e-mail to everyone else subscribed to the list.

Steve Greb is the listowner (manager) of the EARTHK-12 list and I am listowner of the KYGEOLOGIST list. If you have questions about either list, contact us at...

chesnut@kgs.mm.uky.edu [not chestnut@...] or greb@kgs.mm.uky.edu

The Executive Committee is also working on a new website for the KSPG. We are in the process of trying to locate an internet service provider with the right options and price.

Don Chesnut

KSPG Logo Contest Winner

In the last newsletter, we advertised a logo contest for the KSPG. We received numerous excellent entries, any of which would have made a good logo. In the end, the Executive Committee selected one that you see on the cover of this newsletter. The designer of this logo is Collie Rulo. Congratulations, Collie, you have just one the \$100 award!

Field Trip Committee

This year's field trip site will astound you! It is truly the most magnificent rock exposure in Kentucky. It was so awe-inspiring that we came up with a "distinguished geologic site" designation to award it. The site is the new roadcut up Pine Mountain near Jenkins, KY in Letcher County. We call it the Pound Gap Section because the road crosses Pound Gap at the top of Pine Mountain. The base of the exposure contains Devonian black shales and the top has Lower Pennsylvanian strata. Almost 2,000 feet of strata are exposed there including all the Mississippian. When you see this exposure you will see why we were so excited. We have assigned 15 scientists to work on various aspects of the exposure there for the field trip. Drew Andrews (KGS) and John Nelson (Illinois State Geological Survey) are working on the structural features which include the Pine Mountain fault exposed in part at the base of the section and the Pound Gap fault exposed at the top.

Frank Etensohn (UK) will be examining the Sunbury to Ohio Shale section. Paul Howell (UK) and Charlie Mason (Morehead State Univ.) are working on the Grainger Formation. Garland Dever and David Harris (both KGS) are working on the Lower Newman whereas Frank Etensohn is working on the Upper Newman and marine zones in the Pennington Group. Karen Houck (Eastern Ky. Univ.) and Steve Greb (KGS) are working on the coarse clastic rocks above the Newman (i.e., the Pennington and Pennsylvanian strata). Michael Caudill (Univ. of Akron) will be studying the paleosols (fossil dirt) of the Pennington in order to determine the ancient climate and Cortland Eble will be examining the palynology of the section to determine the relative ages of strata exposed there. Dan Phelps (Ky. Paleontological Society) will be compiling paleontologic data. Brandon Nuttall, Anna Watson (both KGS), and Jack Wilhoit (UK student) will compare gamma ray logs of area oil and gas wells with a scintillometer log run by Frank Etensohn's class. They will focus on the role that these units play in oil and gas production. David Harris (KGS) is compiling the measured section, the erosional profile and the scintillometer data in a computer program that will generate graphic columns. John Nelson and Don Chesnut made the original measured section.

The field trip will be held September 25-26 (half-day Friday and all day Saturday). On Friday evening we will have talks and all day Saturday we will be at the exposure. We contacted local and D.O.T. officials about our field trip and the special designation we have given the site. They have become enthusiastic supporters of our efforts. The City of Jenkins will provide a free lunch for participants at their city park. The Whitesburg Campus of Southeastern Community College will provide two vans and drivers and will sit at the registration tables. Several TV stations will likely cover the field trip. Plans are being made for group rates at local hotels and for a large meeting area for the Friday evening talks. I believe this will be a popular field trip.

Distinguished Geologic Sites Committee

The overwhelming Pound Gap site made us realize that we should be designating certain important geologic features in the state as "distinguished geologic sites." This designation has a tremendous public relations and public education potential. The Pound Gap Section will be our first. I wrote a letter to the Transportation Cabinet Secretary, James Codell, discussing our designation and extolling the virtues of the Pound Gap site. The letter circulated widely from the Governor to local officials in Jenkins. It apparently stirred up a very receptive audience. Local officials in Letcher County are hoping to put in a welcome center at Pound Gap and our designation came just in time to help promote the center. If funded, we are likely going to help plan educational geologic exhibits at the center. The locals were also very interested in the scientific activity at the site and in the field trip this fall. Two area T.V. stations want to film not only the field trip, but also the activity of the geologists studying the outcrop before the field trip. What a great way to promote geology!

Drew Andrews will be taking over this committee after the Annual Symposium. Drew will make arrangements for the designation ceremony in Jenkins at the fieldtrip (if plans work out). In the future, he and his committee will propose other important sites to promote in Kentucky and provide background information for signs, exhibits, etc.

Don Chesnut

ADVANCED WELL-LOGGING TECHNIQUES IN THE APPALACHIAN BASIN

The Petroleum Technology Transfer Council (PTTC) and Kentucky Geological Survey (KGS) will host a workshop on advanced well-logging techniques, June 29, 1998, at the Survey on the campus of the University of Kentucky, Lexington, Kentucky. The workshop is intended to give oil and gas operators an introduction to the advanced well-logging technology available in the Appalachian Basin. Applications of various tools and interpretation of the logs will be presented. Registration will be \$80.00 and includes breaks, lunch, and course materials.

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Seminar Committee Report

Several seminars are planned for the coming months:

June 29 *Advanced Well-Logging Techniques in the Appalachian Basin*, presented by Brad Posner, Schlumberger Well Service, Kentucky Geological Survey, Lexington, 8:00 am-4:00 pm, registration \$80, sponsored by Petroleum Technology Transfer Council and KSPG. (See above for detailed information.)

July 22 *Seepage Remediation at Patoka Lake, Indiana*, presented by Edward W. Woolery, U.S. Corps of Engineers, Kentucky Geological Survey Lexington, reception at 6:30, presentation at 7:30.

September, date tba *Geographic Information Systems (GIS) and Petroleum Geology*, presented by representatives of ESRI, W.T. Young Library, Lexington, sponsored by Petroleum Technology Transfer Council and KSPG.

February, date tba, 1999 We are considering the joint sponsorship of a Darwin Lecture at the University of Kentucky with the Kentucky Paleontological Society for a presentation on the evolution of horses by Dr. Bruce MacFadden, Florida Museum of Natural History and University of Florida.

In the future, we are also considering GIS short courses for general and specific areas of geology and possibly a short course on the use and development of spreadsheets for geological applications.

Let us know if you have ideas for seminars and presentation that you would like to see.

Jim Drahovzal

AAPG House of Delegates Report

Highlights from the AAPG House of Delegates Meeting, Salt Lake City, Utah, May 17

- New national officers were announced; they are:
 - President: M. Ray Thomasson, Thomasson Partner Assoc., Denver
 - Vice-President: Martha Lou Broussard, Houston
 - Treasurer: Terry L. Hollrah, Hollrah Exploration Co., Oklahoma City
- New officers of the House of Delegates were voted on at the meeting; they are:
 - Chairman: John R. Hogg, PanCanadian Petroleum, Calgary
 - Secretary/Editor: Jean R. Lemmon, Consulting Geologist, Tulsa
- The proposed change to the AAPG Bylaws regarding the use of the term, *geoscience* in place of *geology* lost as a result of the fact that the organization's name still retains the term, *geologists*.
- The final report on the *Future of Earth Scientists Committee* that looked into future educational needs and the public's perception of professional geologists was approved and sent to the Executive Committee for action.
- Applications of the following to become Affiliated Societies of AAPG were approved unanimously by the House:
 - Professional Geologists of Indiana, Inc.
 - Geological Society of India
 - Moroccan Association of Petroleum Geologists
- The ad hoc *Committee on Elected Editor* report was received and passed back to the committee for further work. This deals with the elected process for the editor and problems with the expanded duties of that position.
- The report of the *Honors & Awards Committee* was approved by the House. It will provide four honors and awards for service to the House of Delegates: House Certificate of Merit, House Long Service Award, Distinguished Member of the House, and Honorary Member of the House.
- The ad hoc *Committee on Ethics* report was approved by the House. Proposed changes to the Constitution and Bylaws are with regard to ethical practice standards, criminal felony-level charges and moral issues will be considered by the Executive Committee and voted on at a later date by the House.
- The ad hoc Committee on Membership resolution regarding the eliminating in the Bylaws the Junior Membership Category was passed by the required 2/3 majority of the House. This action will eliminate the Junior Membership in five years, those members automatically becoming Associates at that time.
- The ad hoc Membership Committee resolution regarding a change in the required three active member references for AAPG membership failed and was referred back to the committee for refinement.

This was one of the most active and contentious House meetings that I have ever attended. Part of the reason may have been related to a proposed Bylaw change that originally was to come before the House in Salt Lake City, but that the Executive Committee referred to an ad hoc committee for recommendation, thereby prohibiting House consideration this year. The measure would have changed the composition of the Advisory Council who recommends the officer slate and honors and awards. The question revolves around the *legality* of proposed legislative changes to the

Bylaws and whether the Executive Committee should only mechanically interpret the Constitution or its "spirit" and "intent", as well. The ad hoc *Committee on Constitution and Bylaws Amendment Process* report will be presented to the Executive Committee for their consideration.

Jim Drahovzal

Secretary/Treasurer's Report Kenneth W. Kuehn

On June 8, 1998 the KSPG checking account balance was \$6,592.51. The Society currently carries 245 active members in its database, 140 of whom have paid their dues for 1998. If you have not yet returned your dues statement and \$10 check, please do so immediately. If you have misplaced the form or think you did not receive one, please let me know.

Best Wishes,
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OFFICER CANDIDATES NEEDED!

It's already time to begin thinking about this year's elections! We will need candidates for the position of President-elect, to replace John Popp who becomes our President in 1999, as well as for Councilor replacing Mike May whose term expires at the end of the year.

According to the Bylaws, the President-elect serves on the Executive Committee for three years, one year as President-elect, the next as KSPG President, and the third as Past President. This is our most important position but don't worry, there will be plenty of time to 'learn the ropes' and ease into the Executive Committee functions. A Councilor serves for two years, provides insights into the direction and activities of the KSPG, and performs duties as directed by the Executive Committee. All officers are expected to attend the Executive Committee meetings (three or four throughout the year) and participate in the planning and development of our formal activities which presently include the Kentucky Geosciences Symposium and the Annual Meeting.

Officers must hold 'Full' membership status in the Society. This includes all registered professionals, exempted professionals, and honorary members. Associate and student members may not hold office. If you are interested in serving as an officer, or wish more information about it, please contact President Don Chesnut as soon as possible. Do not be shy! The KSPG Executive Committee comprises seven people who together chart the course for our Society. Your willingness to contribute and your concern for the future well-being of our profession are the two most important qualifications for these positions.

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1998 List of Activities

- Jan. Election of Officers
- Jan. 21 Bob Fox *Distinguished Lecture*
- May 15 KSPG Kentucky Geoscience Symposium
- June 29 Advanced Well-Logging Techniques in the Appalachian Basin (PTTC and KGS)
- July 22 Seepage Remediation at Patoka Lake, Indiana, lecture by Edward W. Woolery
- Sept. Geographic Information Systems (GIS) and Petroleum Geology (ESRI)
- Sept. 25-26 KSPG Annual Banquet and Field Trip, Pine Mountain, Jenkins, KY
- Feb. '99 *Darwin Lecture* on the evolution of horses by Dr. Bruce MacFadden

Don't forget to send in your Dues if you haven't done so !! \$\$\$

Mark your calendars now for our upcoming events ! We want to see you there !!!

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Address correction requested