



# SAPROLITE

Newsletter of the Southeastern Section  
The Geological Society of America

Southeastern Section

No. 14, Fall 2002

## SEGSA in 2002

I write to you about the role of SEGSA and regional geological societies, regarding the health of our earth science community and how we continue to attract young people to earth science, both as professionals and as earth science literate citizens. We have about two thousand members in our section. About ten percent are undergraduates or recent graduates; about fifteen percent are graduate students. A few dozen are K-12 teachers. A little more than half the membership of our section are either Members or Fellows. Senior Fellows or Senior Members constitute the remaining fraction. What role does the Southeast Section of GSA and other regional geological societies play in increasing the vitality of our geological community? All of them offer opportunities to meet with other students and professionals, and many sponsor organized field trips. The Southeast Section of GSA specifically supports student research through its research grants program, underwrites student travel to the section and Annual meetings, and provides a forum for students and professionals to present their work. All these activities encourage interest in our science early in students' careers.

The Southeastern Section of the Geological Society of America and local geological societies organize and run field trips that provide many students and professionals with their first field geologic experience that did not come as part of a class. Geological field experiences are critical to understanding and necessary to attract students to general education science classes, as well as for undergraduate majors in geology or earth science, and for pre-service teachers and teachers seeking credits to maintain their certification. No one will dispute the value and excitement of visiting Kilauea during an active eruption, or conducting geologic field studies in the Southwest, or central America, or any number of increasingly exotic and expensive field sites. However the expense of conveying and supporting large groups of students to such locations prohibits most of us and most of them from this sort of experience routinely. Fortunately we live in a region that is rich in a variety of geologic problems that can be approached at a variety of levels that can also be valuable and exciting. Posing these "local" field experiences as interesting and potentially significant problems with widespread applicability is an opportunity each of us has. Furthermore, simply getting out and interacting with students or our peers outdoors reminds many of us why we became interested in geology in the first place.

As part of my teaching I am interested in increasing my audience's quality of life. By increasing quality of life I mean understanding that where they live, and where they will travel is special and unique. We add to people's quality of life by exposing them to local geologic features and problems. This sort of understanding attracts people to our discipline as well. They begin to appreciate the landscapes where they live in a deeper way. We prepare them to make wise environmental decisions about areas where they live. They become better able to enjoy their travels and become prepared to be more successful in their studies in more distant locales. I hope that you will agree that my remarks are not specific to college undergraduates, in fact any geological professional can apply them when working with a K-12 class, a scout group, a civic, church, or community club, or a school district in-service for teachers.

In addition to informal, local (by this I mean southeastern) field trips we may lead for students or others in our communities, in the southeast there are a variety of local or regional professional societies that include

organized field trips on their programs of activities. Two examples are the Carolina Geological Society and Georgia Geology Society. Continuing Education requirements for Professional Geologists and Geologists in Training have resulted in other local geologic societies springing up, including the Central Savannah River Area Geological Society. The Southeastern Section of the Geological Society of America is fortunate to consistently have talented leaders with the interest to lead trips with seasonal weather before and after our meetings in the Spring. If you haven't taken advantage of these trips in the past, let me recommend them. Even better I would encourage you lead a trip for other professionals. By participating in local trips sponsored by SEGSA and local or regional geological societies, you will add to your repertoire and understanding of field sites in the southeast region. Furthermore you will meet and make new professional friends that may result in internship opportunities for you or your students, new employees, new graduate students, new graduate or job placement opportunities for your students. This is why some workers whose primary field area is not in our region continue to be active in regional societies in this area.

In a way these remarks to you are targeted to the wrong audience. If you live in the southeast, and are a member of the Southeast Section of GSA you probably support the activities of the section and other regional or local societies in a variety of ways. I don't believe that one should have to conduct one's geologic work in the geographic region where one lives. We do need to interact with our local communities and support the efforts of our local and regional geological societies, however, to maintain and encourage the health of our discipline in this region. In fact it is probably even more important to support the activities of the SEGSA and our local geologic societies if your work attentions are elsewhere. Is the next generation of geologists to work in the southeast to come from other GSA sections?

A younger professional colleague told me this fall that the Geological Society of America Annual Meeting, and particularly section meetings could not meet her professional needs because "no one there does what [I] do." Perhaps you feel that way too. Despite the fact that the statement made to me is and was false, it compels a response. Over the past nineteen years I have come to know many geological professionals in the southeast, such that I am confident all subdisciplines in our field are represented in a meaningful way. If what is being done and presented at a Section meeting is not what you would like to see, organize a symposia or theme session of colleagues and students who are doing the current work in your field. By your involvement make it more responsive and valuable to you.

What happens to the net revenue that is generated at a Southeastern GSA section meeting? It goes to support students in several tangible ways. Our section supports a longstanding research grants program for Masters, Ph.D. and undergraduate students. Proposals submitted under this program are forwarded to the GSA grants awards program. Section review comes before Panel Review and Awards at the Society-level. Generally the section supports worthy proposals that are not funded at the Society-level. Over the past six years the amount awarded by the Southeastern Section has increased from 3500\$ to 7000\$; the number of awards made at the section level has approximately doubled from about ten to twenty. The section supports student thesis work in the southeast, elsewhere in North America, and worldwide. Work that is in progress or has been completed may be presented at a southeastern section meeting. Our section with the GSA Foundation supports travel grants for undergraduate and graduate students presenting posters and oral presentations at SEGSA section and the

Annual Meetings. We award about 10,000\$/year to make as many as eighty travel grants a year. Regardless of the sources that funded them, many students, undergraduates and undergraduates, make their first presentations at a GSA Section meeting. Some of these talks describe southeastern regional geology, and others describe locales far afield; some describe theoretical results, and others describe the experiments and novel techniques. Some of these students will continue their working careers in the southeast US, and others will make their careers far from here. It is important for us to encourage and support their interest in our science.

Some members in our section have contributed the Geological Society of America Foundation, and some quite generously. If you make a donation to the GSA Foundation, you can target your gift to the Southeast section. If you designate a Foundation Gift to the Section, the Foundation will match your gift. The GSA Foundation doubles what the Section can award for student travel grants. Our section is still accumulating Endowment funds before we can begin to spend income from the Endowment. When we have enough income in our Foundation account to begin using income, we will be able to support more student travel and more student research.

In conclusion I hope that you will agree with me that participating in Section or regional society field trips and meetings and bringing students to these excursions or conferences are valuable. Interacting with our communities and leading trips for local groups builds interest and appreciation as well for what we do as earth scientists. I hope that you find the technical programs at Section meetings helpful to you in your work. I trust that you believe that supporting student research and awarding student travel grants are worthy ways for us to use Section resources. All these activities play a role in increasing the strength and vitality of the earth science community in the southeastern region. I look forward to seeing you in Memphis. Thank you.

Allen Dennis  
Chair, Southeastern Section

#### **Southeastern Section Officers: 2002-2003**

Chair:	Allen Dennis
Past Chair:	Harold Stowell
Vice Chair:	Daniel Larsen
Past Vice-Chair:	John Kiefer
Chair-Elect:	Mark Steltenpohl
Secretary-Treasurer:	Donald Neal

#### **Nominations for Section Officers: 2003-2004**

The Nominating Committee submitted the following nominees:

Chair:	Mark Steltenpohl
Chair-elect:	John Kiefer
Vice-Chair:	Richard Diecchio
Secretary-Treasurer:	Donald Neal

#### **Financial Status of the Section**

At the end of FY 2001 (December 2001), the Section had \$75,458 in its accounts. The total interest realized in 2001 was \$1194. This interest, together with a reported surplus of \$15,936 from the Southeastern Section meeting in Raleigh, NC, and Section members' dues, is used to fund the Section's Student Grant Program, Student Travel Program and the general operations of the section. The Section achieved a \$7,110 surplus for FY2001.

#### **51st Annual Meeting of the Southeastern Section**

The 51st annual meeting of the Southeastern Section and the 36th annual meeting of the North-Central Section were held jointly April 3-5, 2002, in Lexington, KY. John Kiefer and Jim Cobb of the Kentucky Geological Survey, Frank Etensohn of the University of Kentucky and Tom Lowell of the University of Cincinnati were Co-Chairmen of the meeting. A total of 580 papers were presented in symposia (12), theme sessions (20), and topical sessions (24). Ten field trips were run. The meeting had in excess of 1100 registered participants.

#### **52nd Annual Meeting of the Southeastern Section**

The Department of Earth Sciences of the University of Memphis will host a joint meeting of the South-Central and Southeastern Sections of the

Geological Society of America. The meeting will be held from March 12 through 14, 2003, in Memphis, Tennessee, with premeeting and postmeeting field trips and workshops. Information concerning registration, accommodations, and activities is available on the web at <http://www.geosociety.org> and in *GSA Today*.

#### **Welcome Party**

Wednesday, March 12, 2003, 6:00 to 8:00 p.m., Holiday Inn Ballroom 2.

#### **FIELD TRIPS**

Both pre- and post-meeting field trips are scheduled. Registration for some trips is limited. Field trip costs include transportation, field guide, food and lodging during the excursion, unless otherwise indicated. For additional information please visit the meeting web site, [www.geosociety.org/sectdiv/southc/03sc-semtg.htm](http://www.geosociety.org/sectdiv/southc/03sc-semtg.htm), or contact the field trip chair, Randy Cox, 901-678-4361, [randycox@memphis.edu](mailto:randycox@memphis.edu), or the field trip leader. All field trips will leave from the Holiday Inn.

**1. Cretaceous to Late Tertiary Gravel Deposits in the Western Tennessee River Valley.** Tues. and Wed., March 11 & 12. Robert Self, Univ. of Tennessee-Martin, 731-587-7444, [rself@utm.edu](mailto:rself@utm.edu).

**2. Late Paleozoic Tectonics of the Southern Ozark Dome.** Tues. and Wed., March 11 & 12. Mark Hudson, USGS, [mhudson@usgs.gov](mailto:mhudson@usgs.gov); and Randy Cox, University of Memphis, [randycox@memphis.edu](mailto:randycox@memphis.edu).

**3. Mississippian-Pennsylvanian deep water depositional systems and related structure of the Ouachita Orogen.** Sun. to Wed., March 9-12. Arnold Bouma and Roy Dokka, Louisiana State University, [rkdokka@c4g.lsu.edu](mailto:rkdokka@c4g.lsu.edu).

**4. Sedimentology, Stratigraphy, Paleontology, and History of Cretaceous Coon Creek Formation of Western Tennessee.** Sat. and Sun., March 15 & 16. Michael A. Gibson and Stan Dunagan University of Tennessee at Martin, (Gibson) [mgibson@utm.edu](mailto:mgibson@utm.edu); (Dunagan) [sdunagan@utm.edu](mailto:sdunagan@utm.edu).

**5. Hands-on Earth Science at the Coon Creek Science Center.** Sat. and Sun., March 15 & 16. Ron Brister, Pink Palace Museum, [rbristr@memphis.magibox.net](mailto:rbristr@memphis.magibox.net); and Michael A. Gibson, University of Tennessee at Martin, [mgibson@utm.edu](mailto:mgibson@utm.edu).

**6. Waulsortian-like bioherms of the Maury and Fort Payne Formations, Tennessee.** Fri. to Sun., March 14-16. Frank Stapor and Larry W. Knox, Tennessee Technological University, [fstapor@ntech.edu](mailto:fstapor@ntech.edu). (meals not included).

**7. Basement-Cover Tectonic Relationships in Southeastern Missouri.** Fri. to Sun., March 14-16. Gary Lowell, University of Southeastern Missouri, [glowell@semovm.semo.edu](mailto:glowell@semovm.semo.edu); Richard Harrison, USGS, [rharriso@usgs.gov](mailto:rharriso@usgs.gov); and William Clendenin, South Carolina Geological Survey.

#### **SYMPOSIA**

**1. History of geologic investigation of crystalline rocks of Alabama, with emphasis on the past 40 years: "How we saw it then. How we see it now."** Robert Deininger, University of Memphis, 901-682-4324, [mdeinin100@aol.com](mailto:mdeinin100@aol.com); and Thornton L. Neathery, [tneathery@prodigy.net](mailto:tneathery@prodigy.net).

**2. A 21<sup>st</sup> Century Look at the Cretaceous Coon Creek Formation.** Stan Dunagan and Michael Gibson, University of Tennessee at Martin, (Dunagan) 731-587-7430, [dunagans@charter.net](mailto:dunagans@charter.net); (Gibson) 731-587-7435, [mgibson@utm.edu](mailto:mgibson@utm.edu).

**3. Cenozoic paleodrainage in the southeastern United States.** Robert Self, University of Tennessee-Martin, 731-587-7444, [rself@utm.edu](mailto:rself@utm.edu).

**4. Environmental Research and Remediation at DOE's Savannah River Site.** Mary Harris, Savannah River Technology Center, 803-725-4184, [mary.harris@srs.gov](mailto:mary.harris@srs.gov); and Chris Romanek, Savannah River Ecology Laboratory, 803-725-5883, [romanek@srel.edu](mailto:romanek@srel.edu).

## THEME SESSIONS

**1. Prototectonic history of the Blue Ridge Belt: faults, fault blocks, terrains, and ophiolites.** Loren Raymond, Appalachian State University, 828-262-2749, raymondla@appstate.edu; and Calvin Miller, Vanderbilt University, 615-322-2232, millercf@ctrvax.Vanderbilt.edu.

**2. Post-Mesozoic Tectonics of the Southern Mid-Continent.** Paul A. Washington, University of Louisiana at Monroe, 318-342-1898, gewashington@ulm.edu.

**3. Seismicity and Neotectonics in the southern United States.** Terry Panhorst, University of Mississippi, 662-915-5825, panhorst@olemiss.edu; and James Harris, Millsaps College, 601-974-1343, harrijb@okra.millsaps.edu.

**4. Connections and Timing in the Appalachian/Ouachita Orogen.** Kent C. Nielsen, University of Texas at Dallas, 972-883-6837, knielsen@utdallas.edu; and William A. Thomas, University of Kentucky, 859-257-6222, geowat@pop.uky.edu.

**5. Late Paleozoic Intraplate Deformation of Central North America.** Randy Cox, University of Memphis, 901-678-4361, randycox@memphis.edu; and Mark Hudson, USGS, 303-236-7446, mhudson@usgs.gov.

**6. Oh Southern Stars!: Planetary Geology in the South.** Keith A. Milam and Karen R. Stockstill, University of Tennessee, (Milam) 865-974-2789, kmilam@utk.edu; (Stockstill) 865-974-5324, kstockst@utk.edu.

**7. Earth Science and Earthquake Education Resources for K-12 Science Teachers in the Central and Eastern US (NAGT-Sponsored Session).** Gary Patterson and Michelle Dry, University of Memphis, (Patterson) 901-678-2007, patterson@ceri.memphis.edu; (Dry) mdry@memphis.edu.

**8. Innovative Initiatives in Geoscience Education.** Shelley Miller, Saint Mary's School, Raleigh, NC, 919-424-4050, samiller@saint-marys.edu.

**9. Geologic Maps and Digital Geologic Maps (Poster Session).** Ralph F. Crawford, The Geologic Mapping Institute, 404-373-6780, crawford@sprintmail.com; and Michael W. Higgins, Roswell, GA, 770-641-1268, mhiggins@mindspring.com.

**10. Coastal plain stratigraphy of the southeastern United States.** Charles Swann, University of Mississippi, 662-915-7320, cts@mmri.olemiss.edu.

**11. Hydrostratigraphy and hydrology of Cenozoic aquifer systems of the southeastern Coastal Plain, Gulf Coast, and Mississippi Embayment.** Randy Gentry, University of Tennessee at Knoxville, 865-607-8328, rgentry@utk.edu; and Dan Larsen, University of Memphis, 901-678-4358, dlarsen@memphis.edu.

**12. The Role of Fieldwork in the Study of Carbonate Rock Aquifer/Landscape Systems.** Chris Groves, Western Kentucky University, 270-745-4169, chris.groves@wku.edu; and Joe Meiman, Mammoth Cave National Park, 270-758-2137, joe\_meiman@nps.gov.

**13. Recharge Mechanisms and Estimation.** Brian Waldron, University of Memphis, 901-678-3913, bwaldron@memphis.edu.

**14. Ground-Water / Surface-Water Interactions.** Gregg Davidson, University of Mississippi, 662-915-5824, davidson@olemiss.edu.

**15. Water Rock Life: Interactions between hydrology and biology.** Nate Bickford and Robyn Hannigan, Arkansas State University, (Bickford) 870-972-3087, nbickfor@mail.astate.edu, (Hannigan) 870-972-3086, hannigan@mail.astate.edu.

**16. Advances in Environmental Biogeochemistry.** Dibyendu Sarkar, University of Texas at San Antonio, 210-458-5453, dsarkar@utsa.edu.

**17. Radioisotopes as tracers of sedimentary and pore water processes in the coastal zone.** Sam Bentley, Louisiana State University, 225-578-2954, sjb@lsu.edu; John Jaeger, University of Florida, 352-846-1381, jaeger@geology.ufl.edu; and Jaye Cable, Louisiana State University, 225-578-9402, jcable@lsu.edu.

**18. Geomorphology, sedimentation, and environmental geology of the Loess Region of the south-central U.S.** Sean J. Bennett and Andrew Simon, USDA-ARS National Sedimentation Laboratory, (Bennett) 662-232-2926, sjbennett@ars.usda.gov; (Simon) 662-232-2918, asimon@ars.usda.gov.

**19. Geoscience Innovation: Fostering the Achievement of Students with Disabilities.** Wendi J. W. Williams, University of Arkansas at Little Rock, 501-569-3542, wjwilliams@ualr.edu.

**20. Undergraduate Research Poster Session (sponsored by the Geology Division of the Council on Undergraduate Research).** Jeffrey B. Connelly, University of Arkansas at Little Rock, 501-569-3543, jbcconnelly@ualr.edu.

**21. Advances in Gulf Coast Paleocology (sponsored by the Paleontological Society).** Reese Barrick, NC State University, 919-515-7648, reese\_barrick@ncsu.edu; and Lance Lambert, University of Texas, San Antonio, 210-458-5447, llambert@utsa.edu.

## WORKSHOPS

Workshops will be held on the University of Memphis campus. For additional information please check the meeting Web site, [www.geosociety.org/sectdiv/southc/03sc-semtg.htm](http://www.geosociety.org/sectdiv/southc/03sc-semtg.htm), or contact the workshop chair, Roy Van Arsdale, [rvansrdl@memphis.edu](mailto:rvansrdl@memphis.edu), 901-678-2177, or the workshop conveners.

**1. Introduction to ArcGIS with Geohydrology Applications (ESRI's ArcGIS 8.2).** Sat., March 15, 8 am – 12 pm, J.M. Smith Chemistry Bldg., Room 112. Brian Waldron, University of Memphis, 901-678-3913, bwaldron@memphis.edu.

Brief introduction to the benefits and features of ArcGIS including examples of subsurface modeling and scatter data interpolation.

**2. 3-Dimensional Geological Visualization and Volumetrics: A Hands-On, One-Day Short Course Using RockWorks/2002.** Wed., March 12, 9 am – 4 pm, J.M. Smith Chemistry Bldg., Room 112. Jim Reed, RockWare Incorporated, 303-278-3534, jim@rockware.com.

This hands-on short course will be focused on the management, analysis, and visualization of geological data based on boreholes and/or measured sections. The course will be taught using RockWorks/2002. Specific topics include the management of geophysical, geochemical, lithologic, stratigraphic, hydrologic, and structural data from vertical, inclined, and deviated boreholes and measured sections. Case studies will include applications in environmental site characterization, stratiform and non-stratiform mining, hydrology, hydrogeology, and petroleum.

**3. New Satellite Data for the Field Geologist.** Sat., March 15, 1 – 4 pm, J.M. Smith Chemistry Bldg., Room 112. Tom G. Farr, Jet Propulsion Laboratory, 818-354-9057, tom.farr@jpl.nasa.gov.

This workshop will be an introduction to several new satellite data sets that the field geologist may find useful. The workshop will describe the characteristics of visible-near infrared and thermal infrared data sets from the Advanced Spaceborne Thermal and Emission Radiometer (ASTER) and its airborne testbed MASTER, visible-near infrared imaging spectrometer data from the Airborne Visible-Infrared Imaging Spectrometer (AVIRIS), radar image data from the Shuttle Imaging Radar (SIR-C) and its airborne testbed AIRSAR, and digital topographic data from the Shuttle Radar Topography Mission (SRTM). Examples will be taken from a remote sensing field class run by Caltech in the Mojave Desert - Death Valley region and CDs will be distributed with example data sets from the above sensors.

## Roy Shlemon Mentoring Program in Applied Geology

A workshop will be offered for graduate and advanced undergraduate students interested in professional opportunities and challenges in the real world (applied geology!). Workshop and free lunch provided to eligible students at 11:30 a.m. to 1 p.m., Thurs. and Fri., March 13 and 14. The workshops will be held in room 329 in the Fogelman Executive Center. Please contact Karlon Blythe, Program Officer, kblythe@geosociety.org for more information. Students will receive in their registration packet FREE LUNCH tickets to attend the Shlemon Programs; however, space is limited. Meeting registration is not required to attend only this workshop.

#### **Future Section Meetings**

2004 – joint meeting with NE section, Washington, DC, Richard Diecchio will be the Local Chair.

2005 – Biloxi, MS, Gail Russell will be the Local Chair.

2006 -- Knoxville, TN, Claudia Mora will be the Local Chair.

#### **Student Travel Grants**

The Student Travel Grant program continues to be very popular. In the spring of 2002, the Section spent a total of \$4585 (\$2250 from the GSA Foundation) to help cover the travel costs of 55 students who gave papers at the meeting in Lexington, KY. The Section appreciates the matching funds provided by the GSA Foundation and spent \$4500 (including \$2250 from the GSA Foundation) for travel to the Denver meeting. Total student travel expenditures for 2002 was \$9,085.

#### **Student Research Grants**

The Section received twenty-one applications for 2002 (4 Ph.D., 14 M.S., and 3 B.S.). The Student Support Committee met and made funding recommendations. Twelve student research proposals (2 Ph.D., 9 M.S., and 3 B.S.) were funded for a total amount of \$ 7000.

Christopher W. Hepler	Clemson University
Michael P. Lucas	Florida Gulf Coast University
Caroline E. Webber	College of William and Mary
John K. Cooper	East Carolina University
Michael Rasbury	University of Alabama
Sandra A. Smith	University of Tennessee
Michael A. Crump	University of North Carolina, Wilmington
John P. Foudy	University of North Carolina, Chapel Hill
Abhijit Mukherjee	University of Kentucky
Leslie A. Shaver	University of Tennessee
Alfred M. Elser	Georgia State University
Carlos A. Zuluaga	University of Alabama

#### **Deadlines for Student Support Applications**

The Section provides research and travel grants to deserving students. Research awards are available to support undergraduate, M.S., and Ph.D. research for GSA members enrolled in universities in the Section. Research grant applications must be on current GSA forms and comply with all GSA rules. Travel assistance is available for GSA members presenting papers or posters at GSA meetings. Applications for travel grants must include an official form, certification of GSA membership (e.g., copy of membership card), documentation of student enrollment, and documentation that the student is presenting a paper (e.g., abstract acceptance). The Section Web Page (<http://www.geology.ecu.edu/geology/segasa/segasa.html>) provides travel grant application forms and information.

Dr. Donald W. Neal  
Secretary, SEGSA  
Department of Geology  
East Carolina University  
Greenville, NC 27858-4353  
neald@mail.ecu.edu or (252) 328 4392

**The application deadlines are:**

**Research Grants: February 1, 2003**

**Travel Grants to Memphis: February 1, 2003**

**Travel Grants to Seattle: October 2, 2003**

## Election of Officers, 2003-2004

### Southeastern Section, GSA

The slate of officers for the Southeastern Section election is presented below with biographic data. Please vote by checking the appropriate box or by writing in the name of a nominee.

Your ballot must be returned to GSA in Boulder no later than February 28, 2003. Please fold your ballot on the line and **tape** (do not staple) it, making certain the address is showing, and affix a first class postage stamp.

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#### BALLOT

Chair	Chair-elect	Vice-Chair	Secretary-Treasurer
Mark Steltenpohl ( )	John Kiefer ( )	Richard Diecchio ( )	Donald Neal ( )
_____ ( )	_____ ( )	_____ ( )	_____ ( )
(write-in)	(write-in)	(write-in)	(write-in)

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**MARK G. STELTENPOHL**, STRUCTURAL GEOLOGY/TECTONICS. Educ: Univ of Alabama, BS 78, MS 83; Univ of North Carolina-Chapel Hill, Ph.D. 85. Prof Exp: Asst to Prof AUBURN UNIVERSITY 89-present. *Mem:* GSA, AGS, GGS, CGS, Sigma Xi, SGE. *Res:* Structure and tectonic evolution of collisional mtn systems, Appalachian and Caledonide tectonics, *Mailing Add:* Dept of Geology, 210 Petrie Hall, Auburn University, Auburn, AL 36849; email: steltmg@auburn.edu

**JOHN D. KIEFER**, ENGINEERING GEOLOGY, *Educ:* St. Joseph's College (Ind.), B.S. 61; Univ of Illinois, Champaign, M.S. 65; Ph.D. 70; *Prof Exp:* Instructor, University of Illinois, 65-67; Assistant Professor, Department of Geology, Eastern Kentucky University, 1967-71; Chief Engineering Geologist, Geotechnical Engineering Associates, 1971-78; Head of Water Resources, Alabama Geological Survey, 1978-79; Head of Water Resources, Kentucky Geological Survey 1979-81, Assistant State Geologist, Kentucky Geological Survey, 1981-present; Adjunct Professor, University of Kentucky, Department of Geological Sciences, 1997-present; *Mem:* GSA, AAPG, AEG, SEPM, AAAS, NSPE, Registered Professional Geologist: Kentucky # 1283, Indiana # 1968; *Mailing Add:* Kentucky Geological Survey, 228 Mining and Mineral Resources Bldg., Univ. of Kentucky, Lexington, KY 40506-0107; e-mail: kiefer@kgs.mm.uky.edu

**RICHARD DIECCHIO**, STRATIGRAPHY. *Educ:* Rensselaer Polytechnic Institute, BS 1970; Duke University, MS 1974; Univ of North Carolina, Chapel Hill, Ph.D. 1980. *Prof Exp:* Stone & Webster Engineering Corp, 1974-76. Asst to Prof GEORGE MASON UNIVERSITY 1980-present. *Mem:* GSA, SEPM, AAPG, NAGT, GSW. *Res:* Appalachian stratigraphy, Virginia thermal springs and Eocene intrusions. *Mailing Add:* Dept of Environmental Science and Policy, Mail Stop 5F2, George Mason University, Fairfax, VA 22030, email: rdiecchi@gmu.edu

**DONALD W. NEAL**, STRATIGRAPHY. *Educ:* College of William and Mary BS 73; Eastern Kentucky Univ, MS 75; West Virginia Univ, Ph.D. 79. *Prof Exp:* Logging Geol, Exploration Logging of USA, Inc, 75-76, Research Assoc West Virginia Geol and Econ Survey, 77-79, Asst to Assoc Prof EAST CAROLINA UNIV, 79-present. *Mem:* GSA, SEPM, IAS, SGE, NAGT. *Res:* Appalachian Basin stratigraphy, petrology, petroleum geology. *Mailing Add:* Dept of Geology, East Carolina Univ, Greenville, NC 27858-4353; email: neald@mail.ecu.edu

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