



Marc V. Hurst, P.G., President
John Herbert, P.G., Vice President
Harley Means, P.G., Secretary-Treasurer
Andy Lawn, P.G., Past President

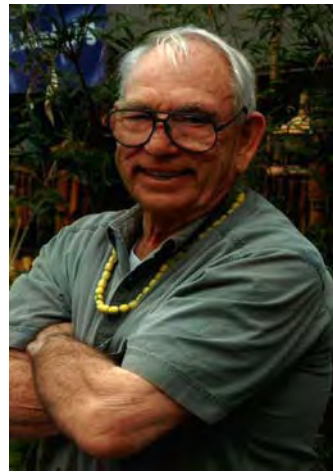
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2012 Year-End Newsletter

ELECTION RESULTS - 2013 OFFICERS



John Herbert
2013 President



George Edwards
2013 Vice-President



Harley Means
2013 Secretary-Treasurer

Harley Means has officially validated and tabulated the results of our recent election. Congratulations to the 2013 SEGS officers, John Herbert, President; George Edwards, Vice-President; Harley Means, Secretary/Treasurer; and Marc Hurst, Past President.

2013 DUES

It's that time again! 2013 dues are payable. We work hard to keep SEGS expenses as small as possible. Membership in SEGS is still only \$35 per year for professionals, or \$25 per year for students and associate members. A copy of the 2013 membership renewal application form is attached. Please send your check to the official Tallahassee Post Office Box; and be sure to note any changes in your contact information. In order to receive meeting notices and newsletters be sure to give us your preferred email address.

REVIEW OF 2012 ACTIVITIES

In 2012, four meetings and field trips were held in two states and two time zones. Three guidebooks were published. Work was conducted to formalize our organization's corporate and IRS tax status. The website was updated and expanded. And we fulfilled our duties to our parent organizations, the American Association of

Petroleum Geologists (AAPG) and the Gulf Coast Association of Geological Societies (GCAGS), by submitting the required mid-year and annual reports, and sending delegates to the national meetings.



Soda straws at the Florida Caverns



KT Moran and Son

The SEGS 2012 Annual Meeting and Field Trip was held on February 25th and 26th in Marianna, Florida, where we visited Florida Caverns State Park. Almost 40 people, including 7 past presidents, gathered at the dinner meeting to hear Darrel Tremaine's presentation on cave microclimates and variations in dripwater and speleothem chemistry. Dave DeWitt and Andy Lawn were presented with the "Fulgurite Award" for "leadership with the energy and focus of lightning." After dinner we returned to the Florida Caverns State Park for an underground flashlight tour. The next day we visited the Florida Hi Cal Pit to see the Eocene/Oligocene boundary and the Bumpnose Member of the Ocala Limestone .



SEGS Group photo at SMR Aggregates in May, 2012

On May 18th and 19th we gathered in Sarasota, Florida, for a meeting and field trip to SMR Aggregates where the shell beds of the Plio-Pleistocene Tamiami Formation are mined, including the paleontologically famous Pinecrest Beds. According to field trip leader Roger Portell, the pits "contain some of the most species rich and densely packed fossil horizons known in the world. The Pinecrest Beds alone may contain over 1,000 species of shelled marine mollusks." A variety of vertebrate fossils were found, too, including whale vertebra, horse bones, and shark teeth.

SEGS and the Florida Association of Professional Geologists (FAPG-AIPG) hosted a joint meeting in Lakeland, Florida, on August 10, 2012. FAPG-AIPG President Helen Hickman gave an informative presentation on the organization's current programs and news. They're the group that protects the interests of Professional Geologists in Tallahassee. Educating the Legislature is no small task. If you are not already a member of FAPG-AIPG, please join. Geology is a very small profession. We need all the help we can get.

Sam Upchurch followed the FAPG-AIPG and SEGS business meetings with an informative presentation on sinkhole development in the Polk Upland.



SEGS Group riding a dragline at MOSAIC's South Fort Meade Mine



The pit was somewhat muddy.

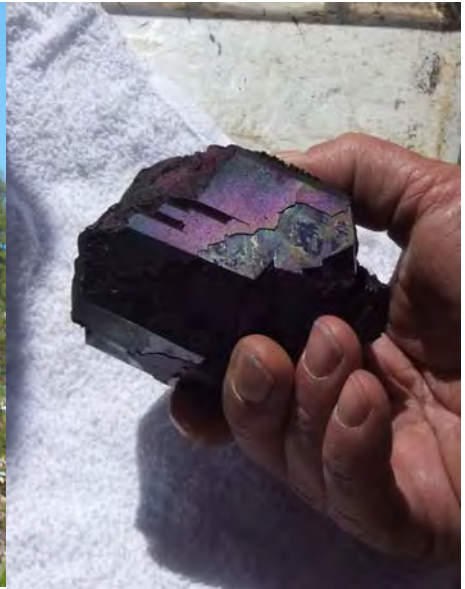
On Saturday, August 11th, Jon Courtney led a field trip to Mosaic's South Fort Meade Mine, where we examined the extraordinarily phosphate-rich sediments of the Bone Valley Member of the Peace River Formation. A wide variety of marine and terrestrial, vertebrate and invertebrate, fossils were collected; and we took a ride on one of the large draglines. Phosphate mine tours are always popular. The event was overbooked; but thanks to some last-minute cancellations we managed to comply with the 40 person limit, without turning anyone away. It's nice when things work out.



Future Geologists (and SEGS officers?)



Fall foliage at Graves Mountain



A rutile crystal with iridescent limonite

Our 2012 Graves Mountain Field Trip was held on Saturday, October 20th. Student attendance was outstanding, including large student groups from Northwest Florida State College and the University of Georgia. Cool temperatures, fall foliage, metamorphic rocks, and world-class mineral collecting were well received.

Graves Mountain is a quartz-kyanite monadnock that contains a variety of oxide and phosphate trace mineralization. Rutile, limonite, lazulite, kyanite, and quartz specimens are prized by collectors. The deposit was first mined by the famous Tiffany jewelers, who recovered large rutile crystals that they used to make costume jewelry. More recently, and more extensively, it was mined for kyanite (a refractory material) and byproduct pyrite, a source of sulfur.



The West Pit at Graves Mountain

In 2012, George and Lee Edwards helped us to complete our formal registration as a Florida Corporation. The organization's formal name is "The Southeastern Geological Society, Inc." Our By-Laws were revised and we adopted a formal Conflict of Interest Policy. The SEGS's 501(c)(3) application was submitted to the IRS in July. IRS responded with a letter acknowledging receipt of the application. Our letter of exemption is pending.

Anna Janosik helped us to update and expand the SEGS website, and move it to a different internet service provider. The Photos Section was expanded. Many of our publications are available online in pdf format. Newsletters, membership forms, and a calendar of events are available, too.

SEGS participated in important meetings of our parent organizations. Denise Cox was our representative at the Annual Meeting of the House of Delegates of the AAPG, held in Long Beach, California on April 22, 2012. Harley Means is the official SEGS representative to the GCAGS; and he sits on the GCAGS Awards and Nominations Committee. He attended the GCAGS Mid-Year and Annual Meetings on April 16th and October 21-24, 2012, both in Austin, Texas. Although many of the GCAGS affiliated societies are much larger and more affluent, **we are proud to report that SEGS had the distinction of hosting more field trips in 2012 than any of the other affiliated societies!**

TREASURER'S REPORT

Secretary/Treasurer Harley Means provided figures summarizing SEGS finances from January through December 2012. The totals are approximate; the December bank statement has not been received. To aid discussion, I took the liberty of generalizing and categorizing our credits and debits as follows.

<u>CREDITS</u>	<u>Dollars</u>	<u>Percent</u>
Dues	2,545.00	42
Field Trip Fees	2,555.00	42
GCAGS Reimbursement	500.00	8
Guidebooks	310.00	5
<u>Miscellaneous</u>	<u>179.40</u>	<u>3</u>
Total Credits	6,089.40	100
<u>DEBITS</u>	<u>Dollars</u>	<u>Percent</u>
Accounting/Bank Fees	416.68	6
Field Trip/Meeting Expenses	2,290.47	36
GCAGS/AAPG Meetings/Travel	2,600.76	40
Postage	72.12	1
Reimbursements	40.00	1
<u>Website</u>	<u>1,005.70</u>	<u>16</u>
Total Debits	6,425.73	100

From January through December 2012, the overwhelming majority of our income came from field trip fees and from membership dues, in almost equal proportions. Smaller credits were derived from GCAGS travel reimbursement, guidebook sales, and miscellaneous one-time only reimbursements.

About 76 percent of our expenses during the same period of time were related to SEGS events (field trips and meetings), and attendance of parent society's meetings (one of which was partially reimbursed—see credits). Website-related expenses were larger than usual, due to our change in internet service providers and website improvements. Postage expense was much less than previous years, due to our expanded use of email for communication with members.

Over the years, the SEGS membership has made it abundantly clear that they want SEGS dues and event fees to be maintained at the lowest possible rates. Consequently, our financial goal during 2012 was to break even. Unfortunately, small dues income in 2012 (presumably because of poor economic conditions) contributed to a small budget shortfall.

PLEASE PAY YOUR 2013 DUES PROMPTLY.

FUTURE FIELD TRIPS

George Edwards and John Herbert have already begun planning for 2013. The 2013 Annual Meeting and Field Trip are scheduled. A dinner meeting will be held in Thomasville GA on the evening of Friday the 15th of February; and on Saturday the 16th, George and Karl Schiller will lead a field trip to two clay mines in the South Georgia-North Florida Attapulgitte District.

October 12th, 2013, Dr. Jon Bryan of Northwest Florida State College (NWFSC) will lead us on a visit to the Intracoastal Waterway section between Choctawhatchee Bay and Panama City, where we will see sediments that have relevance to discussions of changes in sea level. This field trip will coincide with an annual symposium the college conducts on Choctaw Bay, which will be held on Friday, the 11th. SEGS members are invited to attend the symposium. We are very pleased to collaborate with Dr. Bryan and NWFSC.

On November 9, 2013, Roger Portel has arranged a return trip to the SMR Aggregates shell pit, where we collected fossils from the world renowned Pinecrest beds in 2012. SMR Aggregates is the last active mine that produces from these beds; and it is scheduled to close in the near future. Don't miss this field trip! It might be our last chance. We will meet informally for dinner on the 8th. Mark your calendar.

Additional field trips are under active discussion. When firm dates are set, we will formally announce them. Check our website at www.segs.org for more information as it becomes available.

AQUIFER WATCH

Former SEGS president Rick Copeland will make a presentation regarding the newly formed AquiferWatch program at the SEGS annual meeting in Thomasville, GA on February 15, 2013. In the late 1980s, the University of Florida initiated Florida LAKEWATCH, a volunteer organization for educating the citizens of Florida about lakes and obtaining water chemistry and lake depth data. Over the years, the program has grown to include rivers, estuaries, and springs. A new program, called AquiferWatch, was initiated in the fall of 2012. The mission of AquiferWatch is to: (1) educate Floridians about groundwater and wells; and (2) to obtain groundwater data. The organization is looking for volunteer geologists from across the state to assist in educating the public and to train the public in obtaining groundwater data. If you are interested in learning more about the AquiferWatch program, be sure to attend the SEGS annual meeting in Thomasville, GA.

PARTING COMMENTS

I'd like to thank my fellow officers, John Herbert, Harley Means, and Andy Lawn for their tireless efforts to make 2012 a great year. Thanks also to Roger Portell, Clint Noble, Jon Courtney, George and Lee Edwards, Cliff Harrison, Tom Scott, Dave Dewitt, Denise Cox, Anna Janosik, and Tammy Means for their valuable contributions to SEGS in 2012. In closing, I'd like to remind everyone that SEGS is a volunteer, not-for-profit organization. Our existence depends upon the efforts of our members. Please consider getting more involved.

Marc Hurst, 2012 President



The Southeastern Geological Society (SEGS) is a non-profit group of avocational and professional geologists dedicated to advancement of the geological sciences.



SEGS 2013 Membership Application/Renewal

Please complete this form to join or renew your membership and mail it with your annual dues payment (check or money order payable to "SEGS") to Post Office Box 1636, Tallahassee, FL 32302.

Membership type _____ Active member (dues are \$35.00)
_____ Associate member (dues are \$25.00)
_____ Student member (dues are \$25.00)

Last name _____ First name _____

Preferred Email _____ (kept confidential)

Mailing address _____

City _____ State/Province _____ Postal code (ZIP) _____

Phone number (cell preferred for trips) _____

Your field of work and title _____

Company or Agency name _____

Thank you for your interest in SEGS. We hope you enjoyed our 2012 program, including field trips to:

*Florida Caverns and Florida Hi-Cal Pit;
SMR Aggregates Shell Pit;
Central Florida Phosphate District; and
Graves Mountain.*

We've already scheduled three field trips for 2013; and additional trips are planned. Please visit our website at www.segs.org for the most current information.

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