

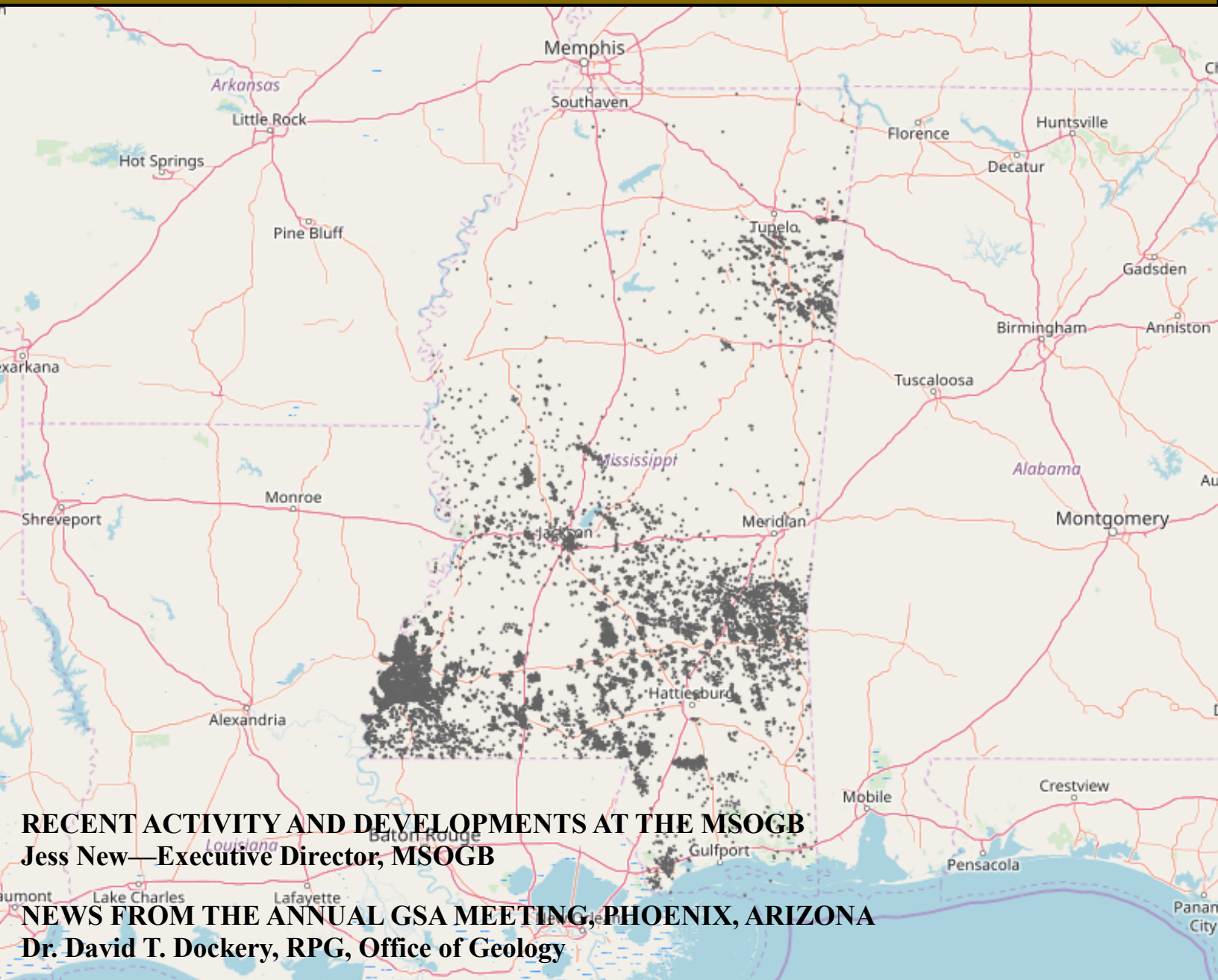
MISSISSIPPI GEOLOGICAL SOCIETY

eBULLETIN

Volume 68

No. 2

October 2019



RECENT ACTIVITY AND DEVELOPMENTS AT THE MSOGB

Jess New—Executive Director, MSOGB

NEWS FROM THE ANNUAL GSA MEETING, PHOENIX, ARIZONA

Dr. David T. Dockery, RPG, Office of Geology



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PRESIDENT'S LETTER

James O. Sparks, RPG



MGS Members,

We had a nice turnout for the fall Bar-B-Q held at the Yacht Club last month. Many of our members attended, as well as students.

This month we have the new Mississippi Oil and Gas Board Director Jess New speaking to us. He will update us on recent drilling activity. He will also discuss the Board returning to a "Fee" based agency. As most of you are aware, MSG offered our support in this matter.

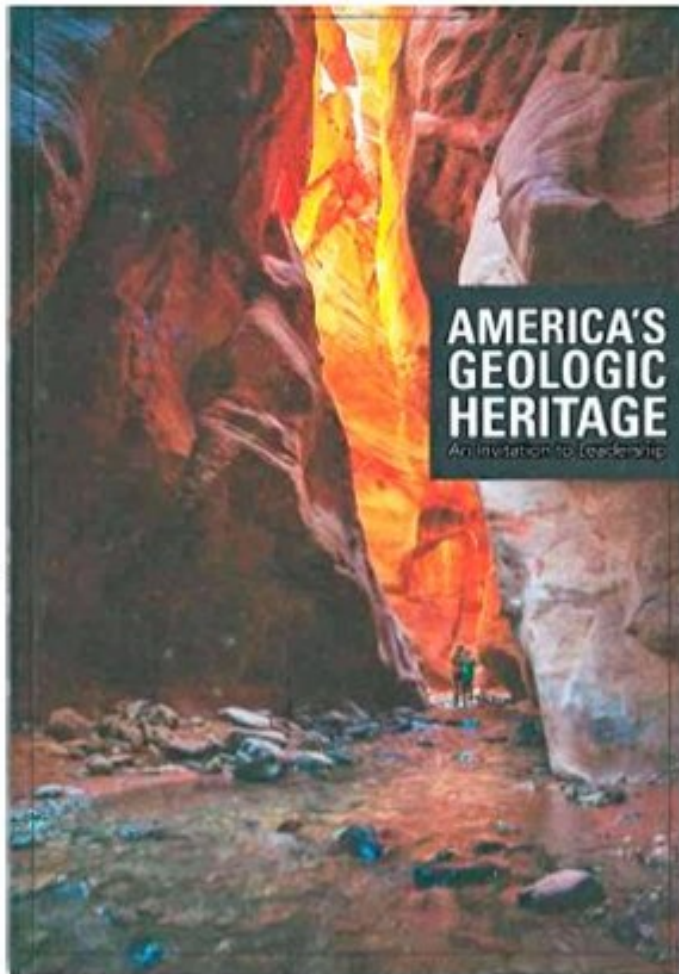
Recently, Matt and I have received a call from Bob Herr, President of the Society of Petroleum Engineers about the possibility of combining the monthly meetings. The SPE, like the MSG have had a decline in attendance. We believe this may be a possibility, but would like to hear from our members on this matter.

Regards,

Jimmy

2019-2020 MGS MEETING SCHEDULE

When	What/Who	Where
September 12, 2019	Fall BBQ	Jackson Yacht Club-5:30pm
October 10, 2019	Jess New—MSOGB	River Hills – 11:30am
November 14, 2019	TBD	River Hills – 11:30am
TBD	TBD	TBD
January 9, 2020	TBD	River Hills – 11:30am
February 13, 2020	TBD	River Hills – 11:30am
March 12, 2020	TBD	River Hills – 11:30am
April 9, 2020	Boland Scholarship Awards	River Hills – 11:30am
May 14, 2020	Spring Fling	Jackson Yacht Club– 5:30pm



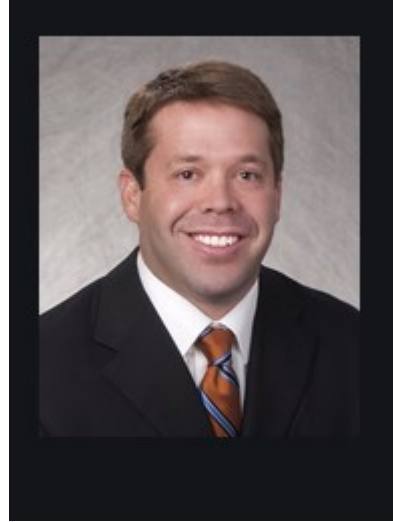
OFFICERS MEETINGS

September 10, 2019
October 8, 2019
November 12, 2019
January 7, 2020
February 11, 2020
March 10, 2020
April 7, 2020
May 12, 2020



OCTOBER SPEAKER

Jess New—MSOGB



Jess New

Executive Director, MS State Oil & Gas Board (since March, 2018)
Bachelor of Science, Business Administration – University of Southern Mississippi
Bachelor of Arts, Geology – University of Florida
Juris Doctor – Mississippi College School of Law

Practiced Oil & Gas and Real Estate Law for 12+ years
Copeland, Cook, Taylor & Bush, P.A. and Brunini, Grantham, Grower & Hewes, PLLC



BOLAND SCHOLARSHIP WATCH

Faculty & Students,

This is a new year and the Mississippi Geological Society along with the Boland Scholarship Fund would like to remind you that we want to honor the most outstanding overall students for the 2019-2020 year.

Each year, the Boland Scholarship awards 1 student from each institution a check that rewards students for their hard work and dedication to the Geosciences and their community.

We look forward to a great year and hope to see you at our monthly meetings.

Best Regards,

Matt Caton
Editor



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CURRENT PRICES

Crude Oil WTI (NYM \$/bbl) Front Month

[+ WATCHLIST](#)[CREATE ALERT](#)

☀ OPEN

Last Updated: Oct 10, 2019 9:53 a.m. EDT - Delayed quote

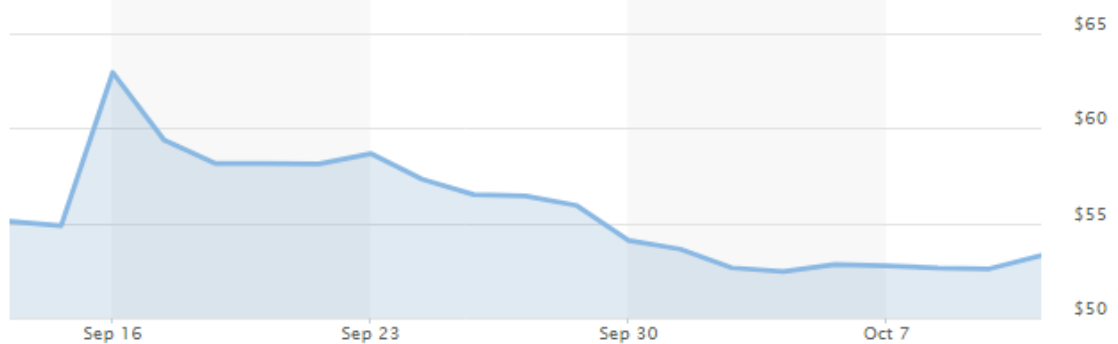
\$ **53.33**

▲ 0.74 1.41%

SETTLEMENT PRICE 10/09/19

\$52.59

< Advanced Charting 1M ▾ \$ % VOL



Natural Gas Continuous Contract

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☀ OPEN

Last Updated: Oct 10, 2019 9:54 a.m. EDT - Delayed quote

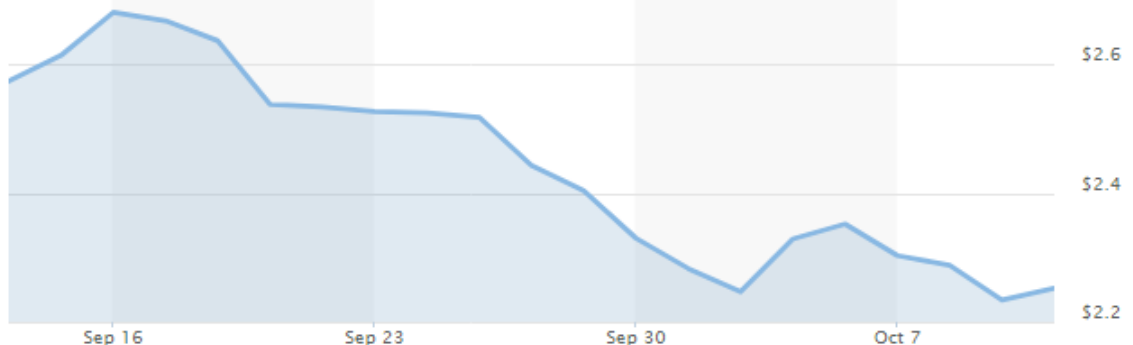
\$ **2.251**

▲ 0.017 0.76%

SETTLEMENT PRICE 10/09/19

\$2.234

< Advanced Charting 1M ▾ \$ % VOL



Marketwatch





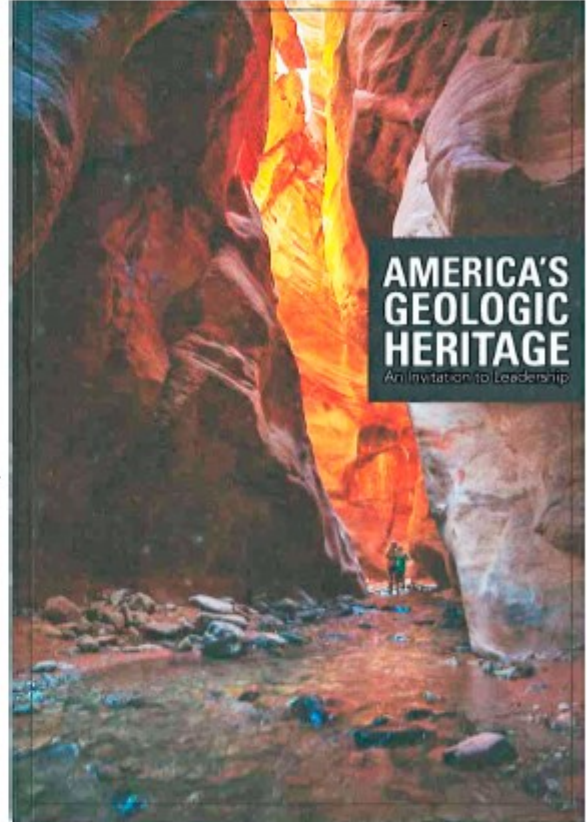
MONTHLY POST

Dr. David T. Dockery III RPG

MDEQ OFFICE OF GEOLOGY NEWS FROM THE 2019 ANNUAL GSA MEETING IN PHOENIX, ARIZONA

David T. Dockery III, RPG

2019 Geological Society of America Annual Meeting, Association of American State Geologists Mid-Year Meeting, 74th Annual Meeting of the North American Commission on Stratigraphic Nomenclature: At the Annual GSA meeting, I gave a paper at 8:45 am, Monday, September 23 in Session No. 96 on *Geoheritage: Sharing Earth's Legacy for Scientific, Societal, and Economic Advancement*. At top right is a book on the subject produced by the American Geosciences Institute in cooperation with the U.S. National Park Service, Geologic Resources Division. We have a \$100,000 contract with the NPS Geologic Resources Division to map quadrangles along the Natchez Trace Parkway. Below at left are Stephanie Omeara and Nicholas Famoso of the NPS Geologic Resources Division, who are working with us on the contract. They are standing in front of the NPS Geological Resources Division booth at GSA. Below at right is Darrel Schmitz, who is associated with the MSU Geology Department and is also contracted to do geologic mapping along the Natchez Trace. I believe our cooperative work with Schmitz on completing the Tupelo Geologic Quadrangle map, which was rendered a digital GIS map by Jonathan Leard, helped with the completion with our NPS contract.

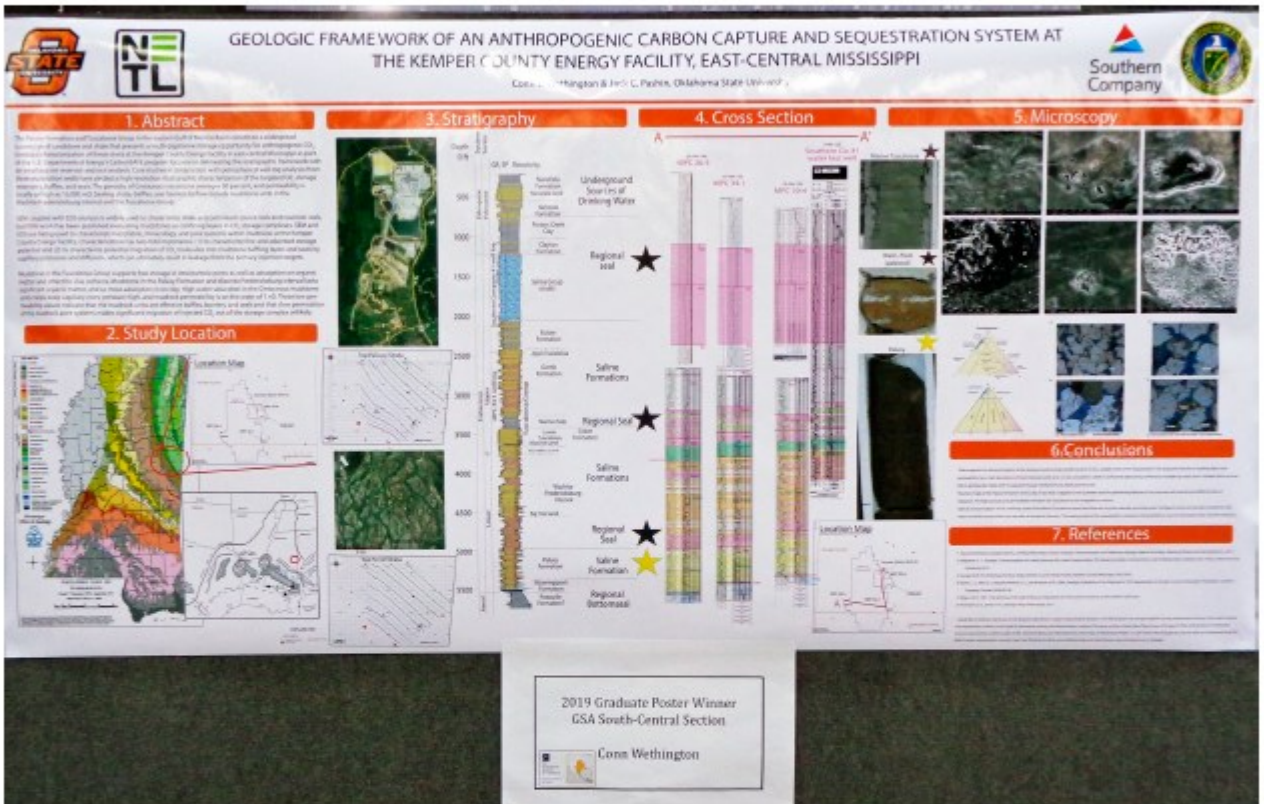




MONTHLY POST

Dr. David T. Dockery III RPG

GSA Annual Meeting, Poster Sessions: The poster sessions at GSA were a maze of tables and a large number of posters organized under various headings for geology subdivisions. Also exhibited at the poster session was the Graduate Poster Winner of the GSA Joint South-Central, North-Central, and Rocky Mountain Section Meeting in March of 2019. The winning poster presented on March 27 by Conn Wethington and Jack Pashin of Oklahoma State University was entitled: *Geologic Framework of an Anthropogenic Carbon Capture and Sequestration System at the Kemper County Energy Facility, East-Central Mississippi*. The poster is shown below.



The abstract reads: The Paluxy Formation and Tuscaloosa Group in the eastern Gulf of Mexico Basin constitute a widespread succession of sandstone and shale that presents a multi-gigatonne storage opportunity for anthropogenic CO₂. Geologic characterization of these strata at the Kemper County Energy Facility in east-central Mississippi as part of the U.S. Department of Energy’s CarbonSAFE program focuses on delineating the stratigraphic framework with an emphasis on reservoir and seal analysis. Core studies in conjunction with petrophysical well-log analyses from three exploration wells have yielded a high resolution stratigraphic characterization of the targeted CO₂ storage reservoirs, baffles, and seals. The porosity of Cretaceous sandstone averages 30 percent, and permeability is locally as high as 16,000 mD. Sealing strata, baffles, and barriers to flow include mudstone units in the Washita-Fredericksburg interval and the Tuscaloosa Group.

The bottom line is that the Paluxy Formation and the Tuscaloosa Group in Mississippi can hold a whole lot of carbon dioxide as part of a sequestration system.



MONTHLY POST

North American Commission on Stratigraphic Nomenclature — 74th Annual Meeting: Alabama State Geologist Nick Tew nominated me to fill a position for AASG as a commissioner on the North American Commission on Stratigraphic Nomenclature. Though this is the second year I have held that position, this was my first meeting to attend. Below at top is a picture of the head table in a square-table arrangement. In front at left is *The Geology of Mississippi*, and at right is Lucy Edwards of the U.S. Geological Survey. Next to Lucy is Commission Chair Brian Pratt representing the Canadian Society of Petroleum Geologists. At bottom are five (six including myself) commissioners (35% of the 17 present) who are pictured in *The Geology of Mississippi* doing geologic work in the state. This is a measure of the high profile Mississippi has in the field of stratigraphy and stratigraphic nomenclature. From left to right at bottom, the commissioners are Lucy Edwards, Bill Berggren, Marie Aubry, Nick Tew, and Rick Fluegeman (Rick's work in Mississippi has funded his department for some 20 years).





MONTHLY POST

Dr. David T. Dockery III RPG

AASG Meeting on Tuesday Afternoon: Participation in the AASG annual and mid-year meetings is important, not only in representing Mississippi at the meetings, but in our STATEMAP grant funding as 5 state geologists are on a panel that scores our grant proposal. Top right is Virginia State Geologist David Spears (left) with the new State Geologist of Washington Casey Hanell (right). Below at middle is the AASG meeting room in the Sheraton Hotel with AASG Chairman Richard Ortt of Maryland standing behind the head table. At bottom, standing in the AASG booth at the GSA Annual Meeting are, from left to right, State Geologist of New Mexico Nelia Dunbar, State Geologist of Illinois Richard Berg, State Geologist of Delaware David Wunsch, State Geologist of Michigan John Yellich, and State Geologist of Arizona Phil Pearthree.





GEOLOGY POST

ARTICLES, PAPERS or NEWS?

ATTENTION!!!!!! Industry, Professors and Students:

I am adding a dedicated section that includes more content from the industry and our schools.

Submissions can include anything from professional papers, thesis abstracts, job opportunities to pictures. Anything!!!!

If you have any information or news you would like to share with the Society **PLEASE** email them to the MGS Editor at:

mcaton@tellusoperating.com

Thanks & Regards,

Matt Caton
Editor

GEO LINK POST

USGS TAPESTRY OF TIME AND TERRAIN <http://tapestry.usgs.gov> The CCGS is donating to all of the 5th and 6th grade schools in the Coastal Bend. Check it out—it is a spectacular map. You might want a framed one for your own office. The one in my office has glass and a metal frame, and it cost \$400 and it does not look as good as the ones we are giving to the schools. Call Owen 510-6224 if you want one for your office for \$150. Duncan, Mike, Chris, Dave, Bob Randy, Seb., Kevin, Ken, Craig, Patrick, Robert.

FREE TEXAS TOPO'S <http://www.tnris.state.tx.us/digital.htm> these are TIFF files from your state government that can be downloaded and printed. You can add them to SMT by converting them first in Globalmapper. Other digital data as well.

FREE NATIONAL TOPO'S [http://store.usgs.gov/b2c_usgs/b2c/start/\(xcm=r3standardpitrex_prd\)/.do](http://store.usgs.gov/b2c_usgs/b2c/start/(xcm=r3standardpitrex_prd)/.do) go to this webpage and look on the extreme right side to the box titled TOPO MAPS DOWNLOAD TOPO MAPS FREE.

<http://www.geographynetwork.com/> Go here and try their top 5 map services. My favorite is 'USGS Elevation Date.' Zoom in on your favorite places and see great shaded relief images. One of my favorites is the Great Sand Dunes National Park in south central Colorado. Nice Dunes.

<http://antwrp.gsfc.nasa.gov/apod/astropix.html> Astronomy picture of the day — awesome. I click this page everyday.

<http://www.spacimaging.com/gallery/ioweek/iow.htm> Amazing satellite images. Check out the gallery.

<http://www.ngdc.noaa.gov/seg/topo/globegal.shtml> More great maps to share with kids and students.

www.geo.org Don't forget we have our own web page.

<http://micro.magneet.fsu.edu/primer/java/scienceoptiscu/owersof10/>

<http://asterweb.jpl.nasa.gov/galery/default.htm> Great satellite images of volcanoes

<http://terra.nasa.gov/gallery/> More here

www.ermapper.com They have a great free downloadable viewer for TIFF and other graphic files called ER Viewer.

www.drillinginfo.com This is an incredible (subscription) well and completion data service for independents. Can be demo'ed for free.

<http://terrasrver.com/> Go here to download free aerial photo images that can be plotted under your digital land and well data. Images down to 1 meter resolution, searchable by Lat Long coordinate. Useful for resolving well location questions.

<http://www.fs.fed.us/gpnf/volcanocams/msh/> This is a live cam of Mt. St. Helens refreshed every 5 minutes. At the bottom are old videos of past eruptions in this cycle. It is worth a watch especially now.



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*** deceased**

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2019-2020

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(Note: Please contact Steve Walkinshaw at (601) 607-3227 or mail@visionexploration.com for details concerning placing your ad on the MGS web site.)

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		2018-2019	Dr. David Dockery