

MISSISSIPPI GEOLOGICAL SOCIETY

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CONGRATULATIONS SCHOLARSHIP WINNERS



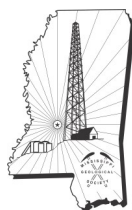
THE UNIVERSITY OF
SOUTHERN
MISSISSIPPI

MILLSAPS
COLLEGE

BOLAND AND DUSTIN JOHNSON AWARD WINNERS

CRETACEOUS BIVALVES OF THE COFFEE SAND IN MISSISSIPPI

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



www.missgeo.com



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PRESIDENT'S LETTER

James O. Sparks, RPG



MGS Members,

Hope all are safe and well. Due to the Covid-19 our Spring Fling has been canceled. The Boland and Johnson Scholarship winners will not be recognized at a meeting as is our usual custom.

The winners this year are:

Boland Scholarship Winners

University of Mississippi

Savanah Glass from Kenner, LA 3.8 GPA Dean's List

USM

Torie Tompkins from Hattiesburg, MS 3.76 GPA Dean's List Bowen Scholarship winner

Millsaps College

James Campbell Cooke from Jackson, MS 3.791 GPA President's List Ford Fellowship

Mississippi State University

Mallory Hunt Starkville, MS 3.94 GPA

Dustin Johnson Scholarship Winner

USM

Jessica K. Atwell from Ocean Springs, MS 3.61 GPA

Congratulations to the winners.

Our next scheduled meeting is the Fall BBQ in September.

It has been a pleasure to serve as your President. David Snodgrass will be the next MGS President for 2020-21.

Thank you for the opportunity to serve such a long and distinguished Society.

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	Stephen Champlin, RPG MDEQ	River Hills – 11:30am
	Merry Christmas	
January 8, 2020	Steve Walkinshaw—Jackson Gas Rock	River Hills – 11:30am
February 12, 2020	Alex Owen—Smackover Exploration	River Hills – 11:30am
March 11, 2020	Reusing Abandoned Natural Gas Storage Sites Dr. Amin Amirlatifi	River Hills – 11:30am
April 8, 2020	Boland Scholarship Awards - Postponed	River Hills – 11:30am
May 13, 2020	Spring Fling	Jackson Yacht Club– 5:30pm

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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



AWARD WINNERS

CONGRATULATIONS

Boland Scholarship Winners

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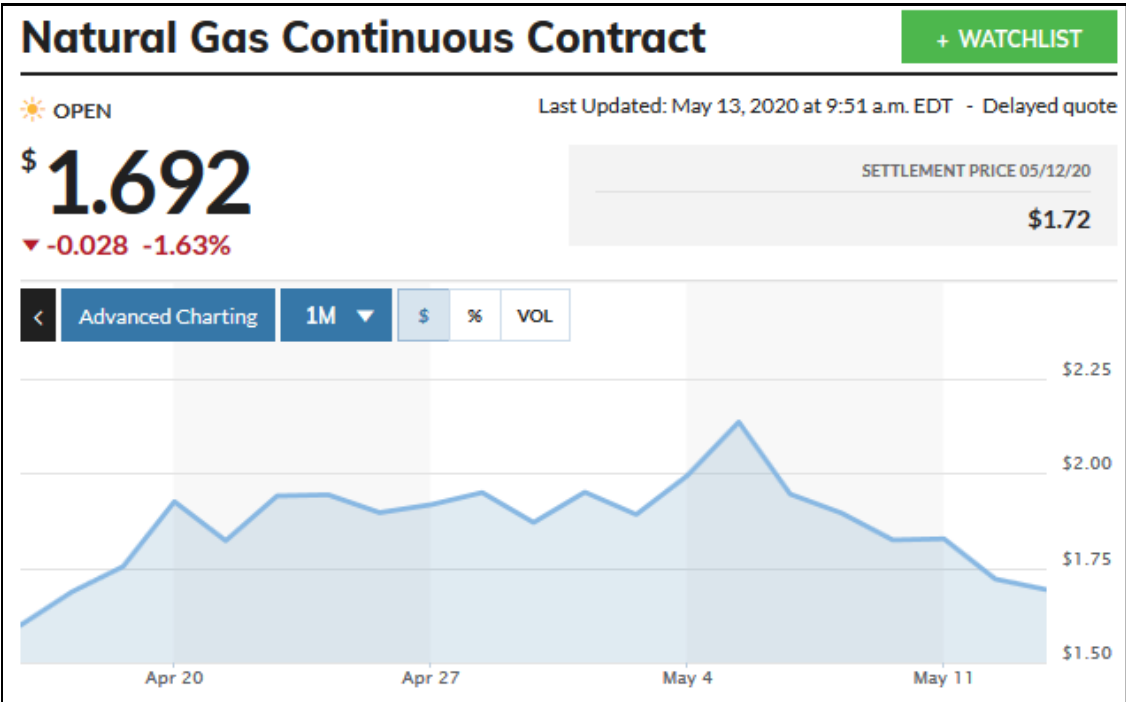


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CURRENT PRICES



Marketwatch





MONTHLY POST

Dr. David T. Dockery III RPG

CRETACEOUS (CAMPANIAN) BIVALVES OF THE COFFEE SAND IN MISSISSIPPI ILLUSTRATED

David T. Dockery III, RPG

A new publication on Cretaceous bivalves from the Coffee Sand in Mississippi was added to the MDEQ Office of Geology website on Friday May 8, 2020, as Open File Report OF-319. The link to the publication is below.

[https://geology.deq.ms.gov/surface/files/OF-319 Cretaceous Campanian Bivalves of the Coffee Sand in Mississippi Illustrated.pdf](https://geology.deq.ms.gov/surface/files/OF-319%20Cretaceous%20Campanian%20Bivalves%20of%20the%20Coffee%20Sand%20in%20Mississippi%20Illustrated.pdf)

The report cover is shown in Figure 1.

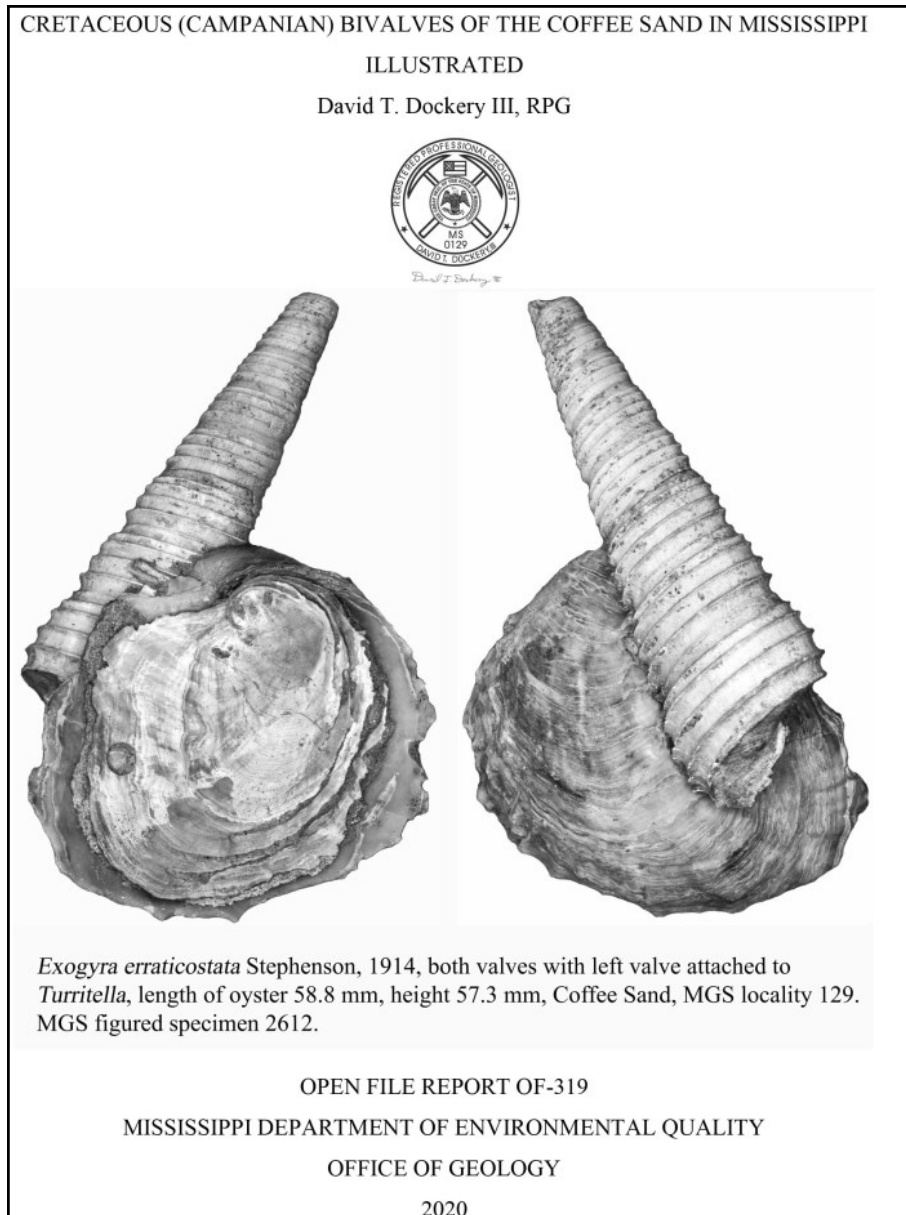


Figure 1



MONTHLY POST

Dr. David T. Dockery III RPG

Figure 2 is of Mary Dockery collecting fossil shells at MGS locality 129 in the Coffee Sand in 1982. This figure is Figure 226 in *The Geology of Mississippi*.



Figure 2. Mary Dockery collecting fossil shell from bed E of the Chapelville horizon of the Coffee Sand at MGS locality 129 in Lee County, shortly after the slope was graded. Picture (color print) was taken in the summer of 1982.



MONTHLY POST

Dr. David T. Dockery III RPG

Figure 3 is a measured section of locality 129. The book is largely a systematically arranged set of identified fossil bivalve images.

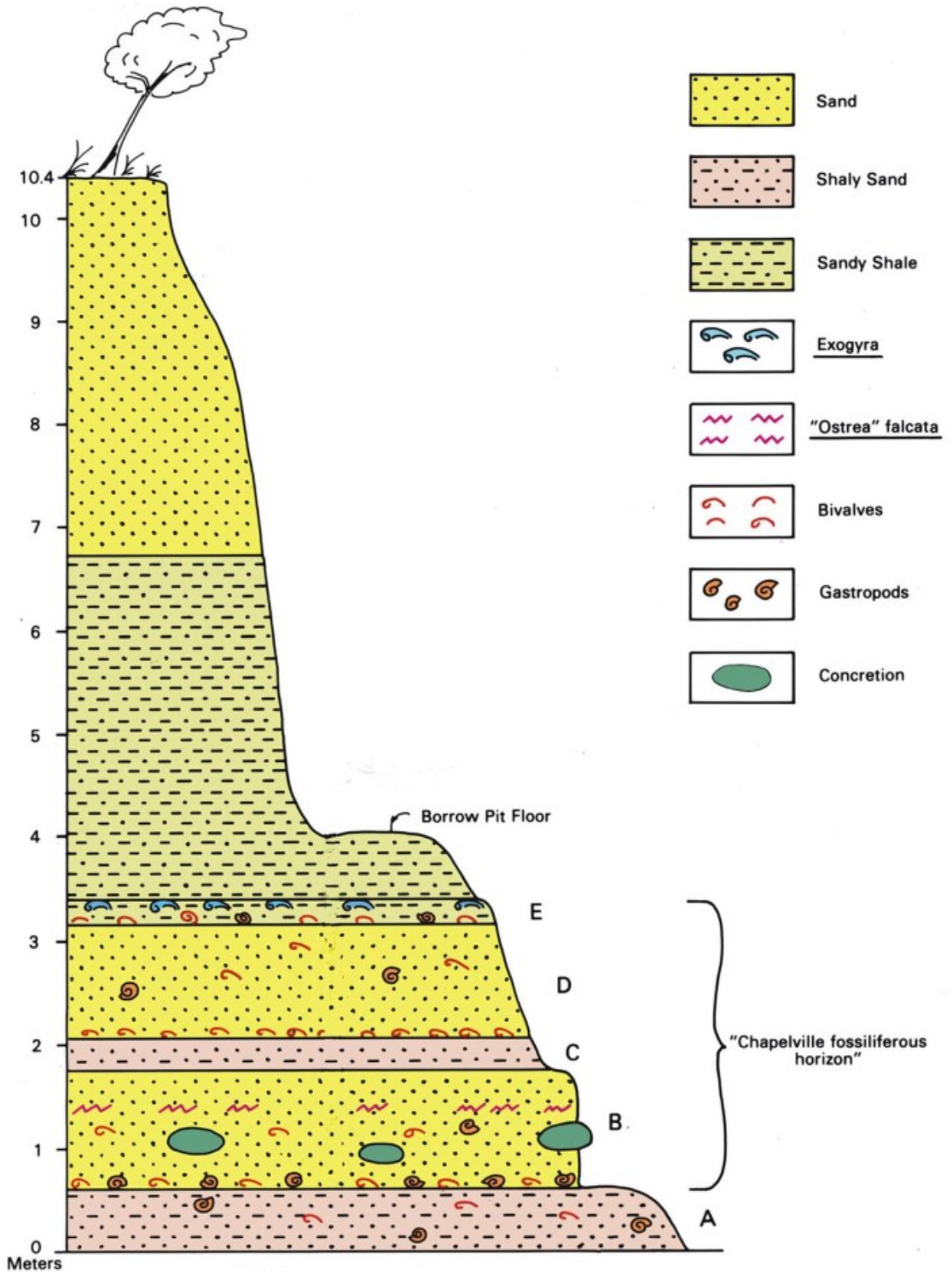


Figure 3



MONTHLY POST

Dr. David T. Dockery III RPG

Mississippi has perhaps the best-preserved fossils of the Campanian Stage of the Cretaceous Period of any place in the world. The only significant text in the book is the introductory paragraphs on the second page as shown below. So, if you are one who had rather skim the pictures than read the article, this book is for you. Go to the link and find some of the bizarre clams that lived during the time of the dinosaurs.

New Coffee Sand localities during the construction of the Natchez Trace Parkway along the Twenty Mile Creek Overlook in Lee County (MGS locality 128) in 1976 and a borrow pit in 1982 (MGS locality 129) exposed rich beds of beautifully preserved fossil mollusks. Mary Dockery (shown at bottom) is collecting fossil shells at MGS locality 129 in the summer of 1982. Bulk loads of sediment from this site were taken to MDEQ Office of Geology's Northwest Street office and sieved for fossils. Many of the gastropods from these two localities were published in 1993 in MDEQ Office of Geology Bulletin 129 entitled *The Streptoneuran Gastropods, Exclusive of the Stenoglossa, of the Coffee Sand (Campanian) of Northeastern Mississippi*. Bulletin 129 gives much more detail on this fossil mollusk horizon referred to as the Chapelville fossiliferous horizon and is available on our website under publications.

The following illustrated pages of Cretaceous bivalves is systematically arranged according to the MolluscaBase website (as it was while this work was underway) into the following subclasses listed in alphabetical order:

Subclass Heterodonta

Subclass Palaeoheterodonta

Subclass Protobranchia

Subclass Pteriomorpha



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BOLAND SCHOLARSHIP WATCH

Faculty & Students,

Due to the current situation we will not be meeting this month for the scholarship awards. MGS is hopeful that we can honor all our outstanding students at the Spring Fling on May 13th.

Please stay tuned for updates.

We look forward to seeing you all soon.

Best Regards,

Matt Caton
Editor



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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://terraserver.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/gpnl/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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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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