

MISSISSIPPI GEOLOGICAL SOCIETY

*e***BULLETIN**

Volume 72

No. 5

January 2024



**IMPORTANT FOSSIL COLLECTION DONATED TO MDEQ
Dr. David Dockery III, RPG**



www.missgeo.com



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Other

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Historian	Stanley King	Independent		(601) 842-3539



PRESIDENT'S LETTER



Dear MGS Members,

Happy New Year! I hope all our members had an excellent holiday season. As we begin the new year, I would like to take a moment to reflect on the past year and express my gratitude for your support of the Mississippi Geological Society. In 2023, we had the opportunity to host several successful events. These events would not have been possible without the dedication and hard work of our members. I am proud to be a part of such a passionate and committed group of individuals.

As we look ahead to 2024, The monthly meeting at River Hills Club in Jackson is cancelled for January but will pick back up on February 14. I encourage all members to attend and participate in these events.

In this Bulletin, we have included a current list of 40 paid members. If you are not on this list, please get in touch with our treasurer, Paul Parrish, to ensure you are represented in our membership.

Warm Regards,

Jonathan R. Leard, RPG

MDEQ-Office of Geology

Surface Geology Division

Phone: (601)-961-5352

Website: <https://www.mdeq.ms.gov/geology/work-areas/surface-geology/>



2023-2024 MGS MEETING SCHEDULE

When	What/Who	Where
September 13	Chad Winter - FC&E Engineering	River Hills - 11:30am
October 11	Tim Palmer	River Hills - 11:30am
November 8	Rawdon Seager	River Hills - 11:30am
December 13	Paul Parrish - MDEQ	River Hills - 11:30am
January	Cancelled	River Hills - 11:30am
February 14	TBD	River Hills – 11:30am
March	TBD	River Hills – 11:30am
April	TBD	River Hills - 11:30am
TBD	Spring Fling	Jackson Yacht Club

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Maurice N. Birdwell
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[illegible]

TBD



CURRENT MEMBERS

Thank You For Your Support

Neil Barnes	Paul Parrish
Maurice Birdwell	Jessica Prince
Michael Bograd	Mark Puckett
Alvin Byrd	John Ryan
Matt Caton	Thomas Seitz
Jeremy Deans	George Self, Jr.
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**If you have any questions please contact
Ginger Trocheset or Paul Parrish**



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318-423-9828
Joerjrw@gmail.com

AAPG CPG #5580
MS RPG #0097
LA CPG #345

Available for Consulting



MONTHLY POST

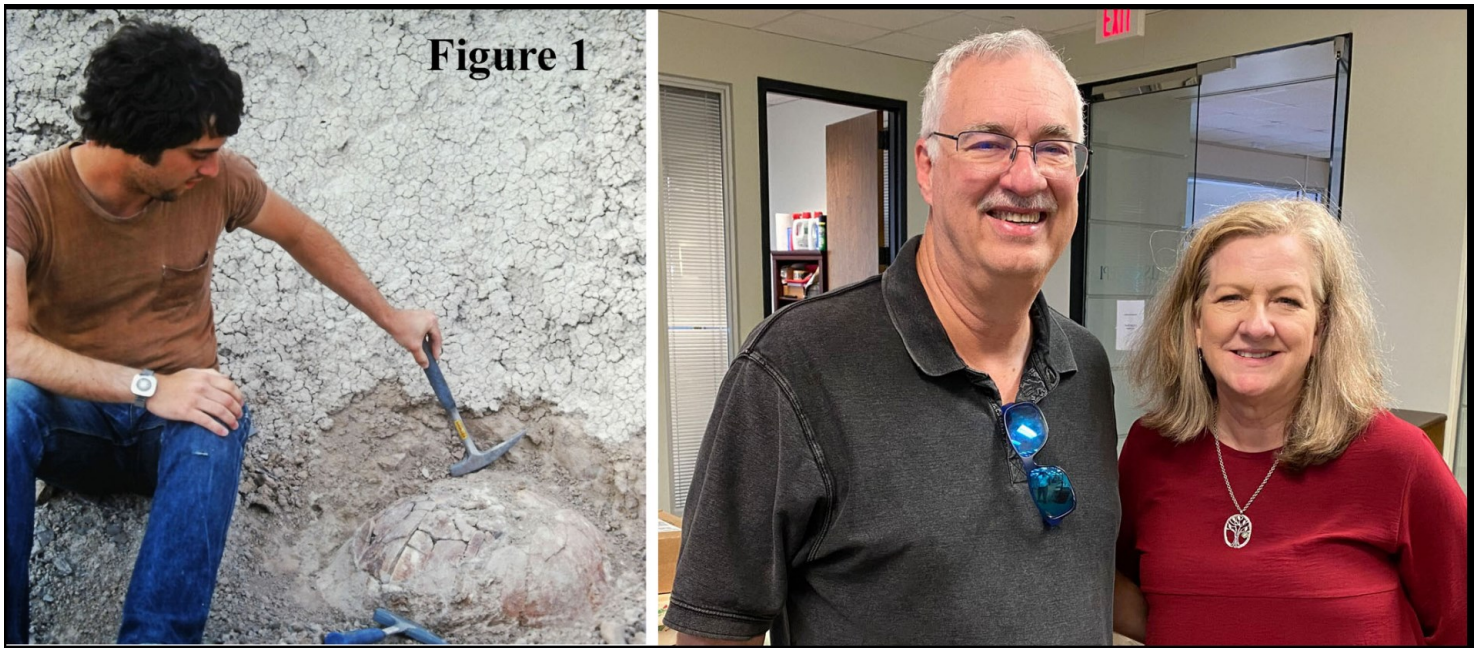
Dr. David Dockery III RPG

IMPORTANT FOSSIL COLLECTION DONATED TO MDEQ OFFICE OF GEOLOGY

David T. Dockery III, RPG

The story of this donation goes back to my best friend David Laney at Boyd Elementary School in Jackson. I can remember when the two of us plus another good friend ended up in the same class. We couldn't believe it; it was too good to be true, but it wouldn't last. Soon we were spread throughout the school. The next episode came when I found myself in graduate school at Tulane with David's younger brother Steve Laney. Steve and I made many trips together to collect fossils in Mississippi and made a week-long trip to collect vertebrate fossils from the Badlands of South Dakota, Nebraska, and elsewhere.

Figure 1 (left side) is a picture of Steve digging out a large fossil turtle in the badlands. Unfortunately, it was too large to carry out. The trip covered 3,673.2 miles from May 12- 20, 1978 (with a memorable all-night drive after fossil collecting in Chadron, Nebraska, on the 19th to Jackson, Mississippi on the 20th). Now Steve is retiring from a long career in the oil exploration industry and needed a safe home for his fossil collection. Figure 1 (right side) is a picture of Steve and his wife Margaret in our Publications Sales Office on the first floor of the 700 Building on October 13, 2023.





MONTHLY POST

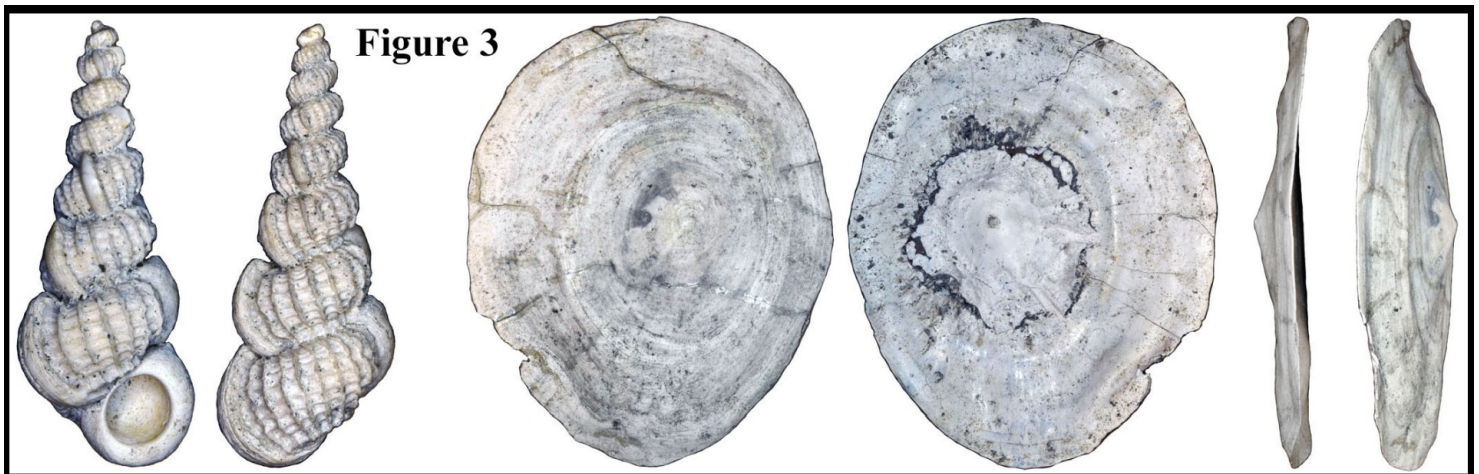
Dr. David Dockery III RPG

Figure 2 (left side) shows the boxes of fossils donated and some of the Cretaceous gastropods (right side) from Mississippi in the collection.



Figure 3 shows two views of one of Steve's fossil shells from the Moodys Branch Formation at Town Creek in Jackson, a wentletrap named *Cirsotrema nassulum creolum* Palmer, 1947. It has a height of 47 mm (1.85 inches).

Figure 3 (right side) are four views of the shell of *Umbraculum planulatum* (Conrad, 1854) from the Laney collection. The shell is 94 mm long (3.7 inches) and 77.3 mm wide (3.0 inches). *Umbraculum* is common in the Moodys Branch Formation at Town Creek in Jackson, Mississippi, where this specimen was collected, but the shells are thin and fragile, making them difficult to collect. So, what kind of creature has a shell like this—oval and flat, but slightly convex on the top and concave on bottom?

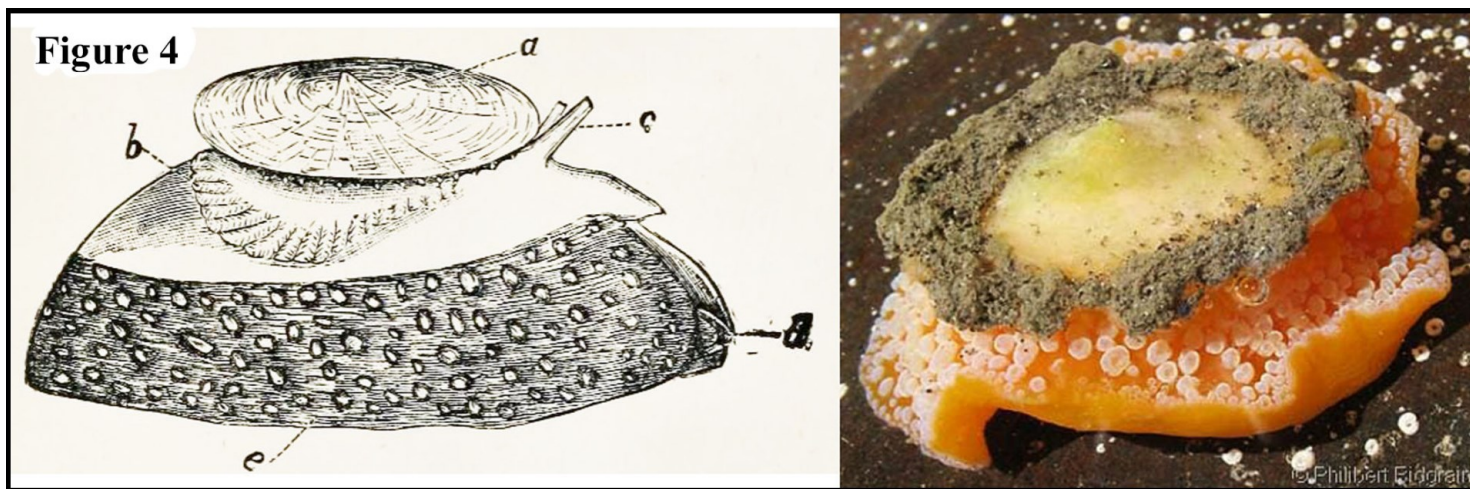




MONTHLY POST

Dr. David Dockery III RPG

As shown in Figure 4, the shell covers the mantle cavity and gills of an opisthobranch gastropod. The word opisthobranch means the gills (branchia) are in the back as opposed the prosobranch gastropods, which have the gills at front. Figure 4 (right side) is a living specimen of *Umbraculum umbraculum* with epiphytes growing on the margins of the upper shell. Today *Umbraculum* lives in the tropical and warm temperate waters of the Pacific and Atlantic oceans, with the species *U. umbraculum* living in the Pacific. However, in the Late Eocene, the age of the Moodys Branch Formation, there was no isthmus connecting North and South America and a continuous seaway



Finally, this geologic quiz question: On what geologic formation is Jackson's River Hills Club built? The answer is in Figure 5.



Steve Laney collection contains Moodys Branch fossil mollusks and corals (the only ones I know of) from the construction of the River Hills Club (= R.H. label in figure). I remember collecting fossils from a ditch along the north side of the parking lot shortly after the club was built, but those fossils were not as good as these (and what I found was not saved). So, our MGS meeting site is hallowed ground for paleontology (site of the Laney collection), structural geology (near the apex of the Jackson Dome), and petroleum exploration (the Jackson Gas Field).



CURRENT PRICES

Market Watch

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

[+ WATCHLIST](#)

☀ OPEN

Last Updated: Jan 19, 2024 11:11 a.m. EST - Delayed quote

\$ **74.17**

▲ 0.09 0.12%

SETTLEMENT PRICE 01/18/2024

\$74.08



Natural Gas Feb 2024

[+ WATCHLIST](#)

☀ OPEN

Last Updated: Jan 19, 2024 at 11:12 a.m. EST - Delayed quote

\$ **2.562**

▼ -0.135 -5.01%

SETTLEMENT PRICE 01/18/2024

\$2.697





GEOLOGY POST

ARTICLES, PAPERS or NEWS?

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

I am looking for 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:

mcaton13@yahoo.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/owersofl0/>

<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/gpnmf/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.



MGS HONORARY MEMBERS

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David C. Harrell*

Dudley J. Hughes*

Walter P. Jones*

Winnie McGlammery*

Maurice E. Miesse*

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Paul Applin*

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Richard R. Priddy*

Harry V. Spooner

Stewart W. Welch*

Julius Ridgeway *

Dr. David T. Dockery III

*** deceased**

MEMBERSHIP APPLICATION / RENEWAL FORM

MISSISSIPPI GEOLOGICAL SOCIETY

P.O. BOX 422, JACKSON, MISSISSIPPI 39205-0422

2023-2024

Membership year is June through May

New Membership (\$20/yr)____ Renewal (\$20/yr)____ Student (FREE)____ Associate (\$20/yr)____

Boland Scholarship Fund Donation \$ _____ Total Amount Enclosed \$ _____

Last Name: _____ First: _____ MI: _____

Mailing Address: _____

Office Phone: _____ Home Phone: _____ FAX: _____

E-mail Address: _____

College/University Attended: _____

Degree(s) Obtained and Year(s) Awarded: _____

Professional Associations, Certifications, & Licenses: _____

MGS ADVERTISING ORDER FORM

September 2023 – May 2024

I. Bulletin Advertisements:

<u>Size</u>	<u>Rate/Year</u>	<u>Amt. Remitted</u>
Full Page Ad (6" x 8")	\$500	\$ _____
1/2 Page Ad (6" x 4")	\$300	\$ _____
1/4 Page Ad (3" x 4")	\$200	\$ _____
Business Card Ad (1 1/2" x 3")	\$100	\$ _____
Professional Listing (1/2" x 3")	\$ 50	\$ _____

II. Web Page Advertisements (www.missgeo.com):

<u>Type of Web Page Ad</u>	<u>Rate/Year</u>	<u>Amt. Remitted</u>
Front Page Sponsor (Banner Ad – limit of 5)	\$500	\$ _____
Second Page Banner Ad	\$250	\$ _____
Professional Listing/Link	\$100	\$ _____

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

Total Remitted \$ _____

Please make checks payable to the Mississippi Geological Society. If you have any questions, contact Matt Caton at (601) 898-7444 or mcaton@tellusoperating.com



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1940-1941	Urban B. Hughes	1981-1982	Stephen Oivanki
1941-1942	J. Tom McGlothlin	1982- 1983	James W. "Buddy" Twiner
1942-1943	Dave C. Harrell	1983- 1984	Charles H. Williams
1943-1944	K. K. "Bob" Spooner	1984- 1985	C. Kip Ferns
1944-1945	L. R. McFarland	1985-1986	Steven S. Walkinshaw
1945-1946	J. B. Story	1986-1987	J. R. "Bob" White
1946-1947	Frederic F. Mellen	1987-1988	Harry Spooner
1947-1948	H. Lee Spyres/Robert D. Sprague	1988-1989	Stanley King
1948-1949	Robert D. Sprague	1989-1990	Stan Galicki
1949-1950	E. T. "Mike" Monsour	1990-1991	E. James Files, Jr.
1950-1951	J. Tate Clark/ Charles E. Buck	1991-1992	Stephen L. Ingram, Sr.
1951-1952	George W. Field	1992-1993	Michael Noone/Stanley King
1952-1953	James L. Md11in, Jr.	1993-1994	Brian Sims
1953-1954	Wilbur H. Knight	1994-1995	C. W. "Neil" Barnes
1954-1955	A. Ed Blanton	1995-1996	Lester Aultman
1955-1956	Gilbert A. Talley	1996-1997	Jack S. Moody
1956-1957	Ben Ploch	1997-1998	George B. Vockroth 1957-
1958	Emil Monsour	1998-1999	Rick L. Ericksen
1958-1959	Charles Brown	1999-2000	Stanley King
1959-1960	M. F. Kirby	2000-2001	John C. Marble
1960-1961	Rudy Ewing	2001-2002	Andrew T. Sylte
1961-1962	Xavier M. Franscogna	2002-2003	Aaron Lasker
1962-1963	Robert B. Ross	2003-2004	John G. Cox
1963-1964	William A. Skees/Marvin Oxley	2004-2005	James E. Starnes
1964-1965	James F. Bollman	2005-2006	Todd Hines
1965-1966	Sankey L. Blanton	2006-2007	Bob Schneeflock
1966-1967	Alan Jackson	2007-2008	Tony Stuart
1967-1968	Julius M. Ridgway	2008-2009	Lisa Ivshin
1968-1969	Edward D. Minihan	2009-2010	Joe Johnson
1969-1970	Kevin E. Cahill	2010-2011	Brian Sims
1970-1971	John Lancaster	2011-2012	Stanley King
1971-1972	Larry Boland	2012-2013	Jim Files
1972-1973	Charles Barton	2013-2014	Neil Barnes
1973-1974	Larry Walter	2014-2015	Ezat Heydari
1974-1975	W. E. "Gene" Taylor	2015-2016	Jack Moody
1975-1976	Jerry E. Zoble	2016-2017	Cragin Knox
1976-1977	P. David Cate	2017-2018	David Hancock
1977-1978	Sarah Childress	2018-2019	Dr. David Dockery
1978-1979	Les Aultman	2019-2020	James O. Sparks
1979-1980	Philip R. Reeves	2020-2023	David Snodgrass