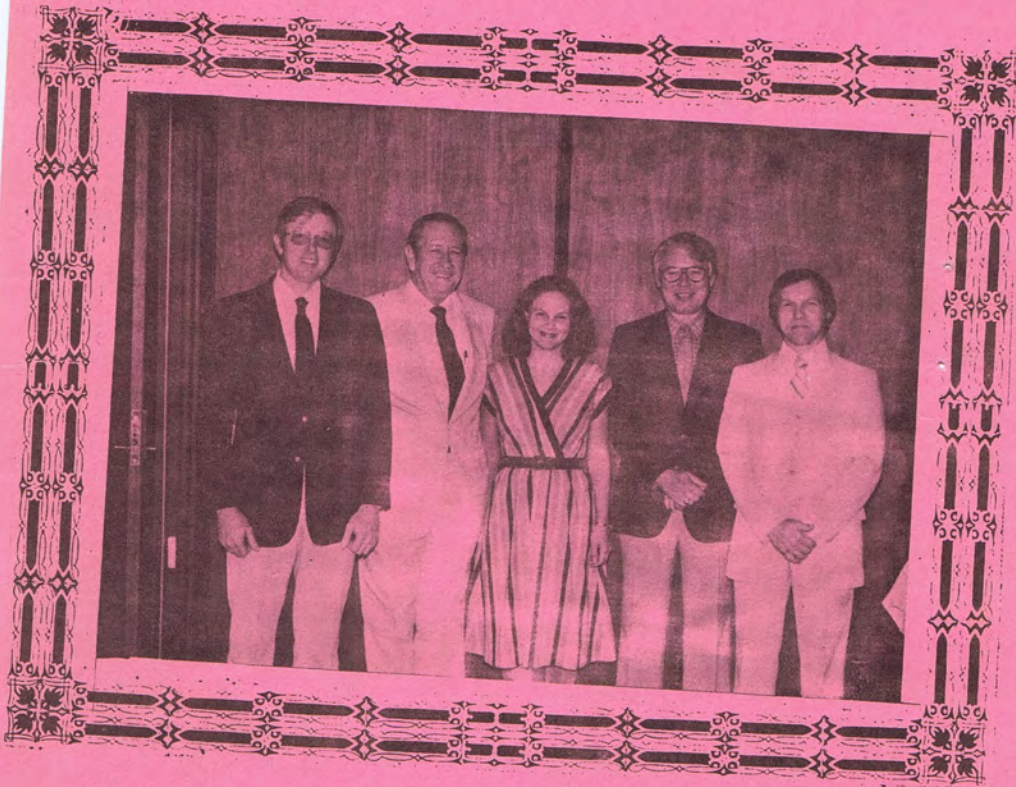


NEWS

BULLETIN

mississippi geological society

VOLUME XXVIII No. 1, SEPTEMBER & OCTOBER, 1980



Phillip Gunter

Simeon King

Steve Oivanki

Marshall Kern

Phillip Reeves

MISSISSIPPI GEOLOGICAL SOCIETY

OFFICERS:

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1ST VICE PRES. - STEVE OIVANKI - CONSULTANT
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A.A.P.G. - NESTOR BLANCO - PLACID
G.C.A.G.S. - SARAH CHILDRESS - FOREST

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BULLETIN - STEVE BENEDETTI - UNION
CONTINUING ED - LARRY BARIA - TIDEWAY
ENTERTAINMENT - T. C. RADER - CLARKCO
PROGRAM - RICHARD INGRAM - TIDEWAY
PROJECTION - WALT HENLEY - PRUET
PUBLICATION - SIMEON KING - HUGHES&HUGHES
PUBLICITY - DAVID DOCKERY - BUREAU OF GEO
RED BOOK - KIPP FERNS - AMER. NAT. RES.

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AUXILIARY -
GEOPHYSICS - JIM GOODWILL - DIGICON
IND. PROGRESS - MICKEY MCGUIRE - CHEVRON
PHOTOGRAPHY - DAVID DOCKERY - BUREAU OF GEO

RED BOOK COMMITTEE:

KIPP FERNS -
VERN CULBERSON - AM. NAT. RES.
- INDEPENDENT





PRESIDENT'S NOTES

Welcome to the "Society" new year. Hope everyone has had a restful and refreshing summer!

We will kick off the "new year" on September 30th with our fall Bar-B-Que at Fowler's Lodge. A-1 the food and goodies are being furnished by Data Log, Inc. and preparation by Halliburton under the able supervision of T. C. Rader. Looking forward to seeing you all there.

The new committee chairmen have all graciously accepted their appointments and we ask that all who are contacted by these committee heads for assistance to please do so willingly.

I take this opportunity to again express thanks to our past president, Phillip Reeves, for a job well done and look forward to his continued input in the coming year.

We are looking forward to the up-coming GCAGS Convention in Lafayette in October and hope that MGS will be well represented there. Remember, we will be the Host Society in a couple of years and everyone needs to be getting mentally prepared for the papers they want to present and the committees they desire to serve.

The Larry Boland Scholarship Fund has finally been approved as a tax exempt fund as will be explained by Chairman Steve Oivanki's report in this bulletin. This is a very worthwhile cause in the name of a person and former fellow geologist. Everyone give what you can and help to meet the goal as soon as possible so that the fund can begin showing benefits to some deserving young geology aspirants.

Come to the Bar-B-Que prepared to have your image reproduced for the new photo-directory.
See you there!

Marshall K. Kern

L. F. BOLAND MEMORIAL SCHOLARSHIP FUND

The Larry Boland Memorial Scholarship Fund has been officially established, and donations to the fund are now being accepted. The scholarship fund was established by the Society to aid geology students at the four schools in Mississippi which offer degree programs in geology; Millsaps, Mississippi State University, Ole Miss, and University of Southern Mississippi. The income generated by the trust fund will be used to award scholarships to deserving geology students from each school.

In order for the trust fund to be fully operational, sufficient contributions must be invested to generate an adequate income for scholarships. To this end I am asking the members of the Society to contribute as much as they can to get the trust fund off to a healthy start. It is a fitting tribute to the memory of Larry Boland, and a service to the geology profession in the State of Mississippi. Any size contribution will be appreciated, and all contributions are tax deductible. Please make your contributions payable to:

L. F. Boland Scholarship Fund
c/o Mississippi Geological Society
P. O. Box 422
Jackson, MS 39205

If you want more information about the Fund you can contact me or any other member of the Scholarship Fund Committee: Marshall Kern, Bill Moore, Jerry Zoble, and Vaughan Watkins.

Stephen Oivanki
Scholarship Fund Chairman

PLEASE MAKE RESERVATIONS

FOR BOTH MEETINGS NOW!

M.G.S. BAR-B-QUE: SEPTEMBER 30

September 30 is the date and Fowler Buick Lodge is the place for the Mississippi Geological Society Fall Bar-B-Que. The doors will open at 4:30, with the Bar-B-Que served at 6:30. Beer will be available from start to finish. Annual dues must be paid at that time. Dues may either be paid in advance to the secretary, Phillip Gunter, or at the Bar-B-Que. As Data Log is picking up the tab, the cost to members is nothing. Cost to visitors will be \$10.00.

T. C. Rader has once again agreed to be the chef. As in years past, this year's Bar-B-Que will be fantastic. We hope everyone will try to attend. T. C. could use some help, so please contact him if you have some time to offer that day.

Reservations are all important, so T. C. will be able to plan on plenty of food and beer. Please call in your reservations to T. C. by noon, Friday, September 26, at 969-3286.

Also, the first noon luncheon meeting of the year will be on Tuesday, October 7, 1980, at noon in the Smackover Room of the Capital City Petroleum Club. The guest speaker will be Donald R. Scherer with Weaver Oil & Gas in Houston, Texas. His talk will be entitled "What's Going on in the Hosston Trend in Mississippi".

The meeting will cost \$7.00. Call reservations in to T. C. Rader at 969-3286 by noon, Monday, October 6, 1980.

"What's Going on in the Hosston Trend
in Mississippi"

Abstract

By Donald R. Scherer

Since the discovery of commercial gas and condensate from deeper Hosston sands below 15,000 feet at Bassfield Field in 1974, the exploration effort seeking other similar reservoirs in the Hosston Trend in South Mississippi continues to grow and other new successes continue to make this province one of the most attractive basins of the lower 48 states.

From 1951 through 1970, a 20 year span, a total of 30 new fields were discovered from Sligo/Hosston reservoirs; 28 being oil and 2 being gas. However, in the last 10 years, from 1971 through 1979, in half the time, 33 new fields were discovered, of which 28 are gas and 5 are oil. The striking relationship of more recent gas discoveries rather than oil discoveries is significant.

The increase in exploration activity for gas reservoirs was brought on by three major factors - the critical national energy shortage, the favorable success of finding commercial gas below 15,000 feet and the continued increase in the value of an MCF of gas, which skyrocketed from 15-20 cents per MCF prior to the early seventies to more than \$5 per MCF in recent months.

The top 1000 feet of the Hosston formation comprise a series of very fine grained tight sandstones. The most favorable objective is the Booth sand found about 600 feet below the top of the Hosston formation, however, other sands above and below this sand have recently been proven to be equally favorable in distribution and thickness, as well as productivity.

Productive Hosston sands have a porosity range from 7 to 15%; permeability ranges from 0 to 1000 millidarcies and although occasionally may be higher, generally averages in the low hundreds.

Many of the fields produce formation water along with gas and condensate having 100,000 to 160,000 ppm chlorides; water yields vary from less than 1 bbl./MMCFG to 115 bbl./MMCFG. Condensate yields vary from less than 1 bbl./MMCFG to 80 bbl./MMCFG. Productive sand thickness varies from 5 feet to 70 feet. Commercial production depends more on sufficient permeability than net thickness of pay.

Flow rates in some of the better fields have sustained production of more than 4 MMCFG per day per well.

Recoverable reserves per 640 acre unit for an average Hosston reservoir having 20 feet effective pay will vary between 5-9 BCFG and 100-200 MBC.

As long as operators continue to find new fields of this magnitude, the efforts will continue to escalate and indications are that the future still looks encouraging for many more years to come. We have only begun to "scratch the surface".

Donald Roy Scherer received his B.S. degree in Geology from Tulane University in 1949. He worked with Gulf from 1949 - 1952 in New Orleans, Southern Natural Gas from 1952 - 1976 as geologist, District Geologist in Jackson and Exploitation Geologist and later District Geologist in Houston. Don later worked with Texas Crude Inc. from June 1976 - March 1979 as District Geologist - Southeastern States. He currently is with Weaver Oil & Gas Corporation as Division Geological Manager.

PHOTO DIRECTORY

This year the photo directory of members of the Mississippi Geological Society will be re-issued. David Dockery with the Mississippi Bureau of Geology will be taking pictures. The photos will be taken at the Bar-B-Que on September 30th. For those who miss the Bar-B-Que, the photos will also be taken at the first noon meeting on October 7th, or during working hours at the Bureau of Geology at 2525 North West St. in Jackson. Please call David at 354-6228 prior to going to the Bureau. For those out of town members unable to do any of the above, please send a passport size photograph, if available.

All members please fill out the following information sheet prior to having your picture taken.

Name: Frederic F. Mellen

Company & Title: Mellen Geological Associates, Inc. - President

Office: 702 Standard Life Bldg. Phone: 355-7611
Box 3509, Jackson, Miss. 355-0412
zip 39207

Home: Clinton 1304 Beverly Dr. Phone: 924-2474
Clinton, Miss. zip 39059

School: BS Miss. State Univ.
MS Univ. Miss

Spouse's Name: Esta

LAISSER

LE BON TEMPS ROULER *

1980 GCAGS - SEPM
convention
Lafayette, Louisiana
October 15-17

The 1980 GCAGS-SEPM Convention will meet in the heart of Acadiana - Lafayette, Louisiana. Make plans now to attend. Here are highlights of events scheduled:

DISTINGUISHED TECHNICAL PROGRAMS
Outstanding Technical Papers
Annual GCAGS-SEPM Meetings
Field trips through Bayou Country and Guatemala

FOR THE LADIES

Thursday: Luncheon and Style Show at Evangeline Downs
Friday: Brunch and private shopping at Goudchaux and Acadiana Mall,
Field trip to historic Acadiana Homes

SPORTS ACTIVITIES (Men & Women)

Golf Tournament
Tennis Tournament
Cross Country Run

LAGNAIPPE (Social Events)

Wednesday Night: Icebreaker Cocktail Party at Evangeline Downs
Thursday Night: Dinner and Dance Acadiana Style

Come to the 1980 GCAGS-SEPM Convention in Bayou Country - Lafayette, Louisiana.

For Information write:

1980 GCAGS-SEPM Convention
P. O. Box 51388
Lafayette, Louisiana 70505

*Let the good times roll.



WHAT IS A LANDMAN?

Landmen come in assorted shapes and sizes. They may be found in many places, in hotel lobbies, on golf courses, and at the race track. Occasionally, they may be found at work.

Landmen are fond of ten year leases, dollar rentals, gullible land owners, and big expense accounts. Landmen do not like small acre tracts, clouded titles, one-quarter royalties or eager geologists.

Landmen know who will win Saturday's football game, the morals of the waitress down the street, how to mix your favorite drink, and the winner of last year's National Open.

They do not know the lease situation of the geologist's favorite area, or when the titles will be cured on that drillable prospect, and he believes that contours refer to secretaries rather than structure maps.

Geologists envy them, production men ignore them, and management tolerates them. For who else can lease so much land, in so short a time, for so small a price, while perched on the third stool from the left in the Sazerac Bar?

Please complete the following questionnaire

and return to Larry Barla C/O M.G.S.



MISSISSIPPI GEOLOGICAL SOCIETY

Continuing Education Opinions:

I prefer 3 hour programs in the:

_____ A.M. (9 - 12)

_____ P.M. (1 - 4)

_____ Night (7 - 10)

I prefer:

_____ 3 hour programs

_____ 6 hour programs (A.M. and P.M.)

_____ 2 hour narrated slide, audio tape programs

Mark one or two choices in each category

MISSISSIPPI GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETINGS

April 15, 1980

Members Present: Phil Reeves, Marshall Kern,
Steve Oivanki, Phil Gunter, Les Aultman

A motion was passed to present T. C. Rader with a special plaque expressing appreciation for his outstanding service to the Society.

A motion was passed to present Kipp Ferns with a certificate of appreciation for his service as Chairman of the Red Book Committee.

The Society will take a 1/2 page ad in the 1980 GCAGS Transactions at a cost of \$140.

Stephen Oivanki
Secretary

June 19, 1980

Members Present: Marshall Kern, Steve Oivanki, Simeon King, Phillip Gunter, Philip Reeves

Board of Directors for the Boland Scholarship Fund was named and are as follows: Steve Oivanki, President and Chairman, Bill Moore, Secretary, Jerry Zoble, Treasurer, and Philip Reeves, Vaughn Watkins, and Marshall Kern, Directors.

A motion was made and passed that the photo-directory be updated and published this year. The possibility of having a photographer at the September Bar-B-Que and at the first noon meeting in October was discussed. A chairman will be appointed and will look into costs involved before proceeding.

Dues statements will be mailed out early this year in order to facilitate cash flow into the treasury.

Order blanks for the new "Red Book" supplement as well as selected publications will be

available at the GCAGS convention in October.

A general chairman will be named this year for the GCAGS convention to be held in Jackson in 1983. This should aid in the coordination of activities leading up to the convention.

Phillip Gunter
Secretary

August 18, 1980

Members Present: Marshall Kern, Steve Oivanki, Simeon King, Phillip Gunter, Philip Reeves, Kipp Ferns, John Marble, Larry Baria, Richard Ingram, David Dockery, Steve Benedetti

Simeon King reported that 148 copies of the Red Book supplement number 8 have been sold. Publication lists will be mailed to the other GCAGS Societies for their bulletins.

David Dockery was named the chairman of the new Photo directory as well as official MGS Photographer. It was decided that members will be given the opportunity to have pictures made at the fall Bar-B-Que.

Data Log will pay all expenses for the fall Bar-B-Que to be held at Fowler's Lodge on September 30th.

Steve Oivanki reported that progress was being made on acquiring the tax exempt status for the Larry Boland Scholarship fund.

A motion was made and passed to endorse the acquisition of the Geo Ref system by the Mississippi Bureau of Geology.

Certificates of appreciation will be awarded speakers at our noon meetings. Kipp Ferns will investigate costs, etc.

Phillip Gunter
Secretary

JACKSON GEOPHYSICAL SOCIETY

The Jackson Geophysical Society will kickoff the 1980-81 year with its annual Hog Roast at Fowler Lodge on the reservoir on Tuesday, September 23, 1980, starting at 4:30 P.M. The cost will be \$5.00 per person.

Cooking will begin on the 23rd at the Conestoga Steak House. The Hog Roast Chairman this year is Tom Wood, 944-0075. If you have any questions or would like to offer assistance, please call Tom.

Annual dues are professional/\$15 per year and student/\$5 per year.

The 1980-81 officers of the Society are:

President - Klyne Headley - Florida Expl.
Vice President - Jim McGinnis - S.S.D.
Secretary-Treasurer - Jim Goodwill - Digicon

Jim Goodwill
Secretary-Treasurer



In October the 1980-1981 Mississippi Geological Society membership list will be compiled and mailed to the members. To assure that your name and correct address will appear on that list, please check to be sure you have paid your 1980-81 dues. Payment of dues on or before September 30, 1980, will insure that your name appears on the membership list for this year.

Phillip Gunter
Secretary

Inventory Reduction

GULF COAST ASSOCIATION OF GEOLOGICAL SOCIETIES

In an effort to reduce the inventory of selected volumes of the GCAGS Transactions, maps, indices and bibliographies, these publications will be offered at GREATLY REDUCED rates during the period June 9-August 31, 1980. Substantial discounts have been approved for Volumes 2, 3, 4, 10, 11, 17, 18, 19, 20, 21 and 22 as well as the Comprehensive Index, Bibliography volumes, Faults of South and Central Texas Map, and the Bathymetry Map of the Gulf of Mexico. To take advantage of these savings, your order must be placed on this special form and postmarked no later than August 31, 1980. On September 1, 1980, the publications will return to the original prices.

TRANSACTIONS

	<u>Reg. Price</u>	<u>Sale Price</u>
	\$	\$
Volume 1 (1951) New Orleans	\$ 9.00	
Volume 2 (1952) Corpus Christi	9.00	5.00
Volume 3 (1953) Shreveport	9.00	5.00
Volume 4 (1954) Houston	9.00	5.00
Volume 5 (1955) Biloxi	9.00	
Volume 6 (1956) San Antonio	9.00	
Volume 7 (1957) New Orleans	9.00	
Volume 8 (1958) Corpus Christi	9.00	

Volume 9 (1959) Houston	9.00
Volume 10 (1960) Biloxi	9.00
Volume 11 (1961) San Antonio	9.00
Volume 12 (1962) New Orleans	9.00
Volume 13 (1963) Shreveport	9.00
Volume 14 (1964) Corpus Christi	9.00
Volume 15 (1965) Houston	9.00
Volume 16 (1966) Lafayette	9.00
Volume 17 (1967) San Antonio	11.00
Volume 18 (1968) Jackson	11.00
Volume 19 (1969) Miami	13.00
Volume 20 (1970) Shreveport	12.00
Volume 21 (1971) New Orleans	13.00
Volume 22 (1972) Corpus Christi	13.00
Volume 23 (1973) Houston	13.00
Volume 24 (1974) Lafayette	15.00
Volume 25 (1975) Jackson	17.50
Volume 26 (1976) Shreveport	17.50
Volume 27 (1977) Austin	18.50
Volume 28 (1978) New Orleans	25.00
Volume 29 (1979) San Antonio	22.50

	<u>Reg. Price</u>	<u>Sale Price</u>
Comprehensive Index	\$ 1.00	\$.75
Bibliography of Gulf Coast Geology (1970) Volume 1 & 2 Set	9.00	3.50
Bibliography of Gulf Coast Geology (1976) Volume 3 (Special Edition for 1969-74)	5.00	3.00
Bibliography of Gulf Coast Geology Volumes 1, 2 & 3 (combination price)	12.00	5.00
Fault and Salt Map of South Louisiana 52" x 106" edited by W. E. Wallace, Jr. (1966)	15.00 (rolled)	
Faults of South and Central Texas, Map compiled by Delos R. Tucker (1967)	1.00	.75
Bathymetry of the Gulf of Mexico, Map by Elazar Uchupi (1967)	1.00	.75
Lower Wilcox Depositional System, Texas Map reprinted from Vol. 17 (1967)	1.50	

Texas Residents Include 5% Sales Tax
Foreign Orders Add \$1.00/volume
Subtotal

TAX (if applicable)

TOTAL

\$

ALL ORDERS MUST BE PREPAID.

Make check payable to: Earth Enterprises - GCAGS

Mail to: P. O. Box 672
Austin, TX 78767

Shipping Information:

Name _____

Address _____

City/State _____ Zip Code _____

Pricing Effective June 9 - August 31, 1980.

-NEW MEMBERS-

Tom Jack Alexander - Enserch, Dallas
Michael B. E. Bograd - Mississippi Bureau of
Geology, Jackson
David G. Bowen - Eason Oil, New Orleans
Thomas Crockett Buchanan - Maurice L. Brown,
Shreveport
Billy D. Cambell - Consolidated Labs, Purvis, MS
Jerry M. Drake - Texas Oil & Gas, Jackson
Thomas J. Ervin - Sunmark, Dallas
Michael K. Frazier - Mississippi Museum of Natur-
al History, Jackson
Anson F. Fullington, Southwestern Gulf Petroleum
Jackson
Lynnette Gandl - U.S.G.S., Jackson
Robert H. Griffin - Marion Corporation, Mobile
J. Michael Harmount - American Natural Gas,
Jackson
Peter G. Heinrich - Coquina, Jackson
Larry Hite - W. E. O'Malley, Natchez
Jack R. Hyatt - G. G. Cornwell, Natchez
Robert D. Legate - Location Sample Service,
Jackson
Bates R. Martin, Jr. - Merchants National Bank,
Mobile
Bryan W. Norvell - Law Engineering & Testing
Co., Hattiesburg
David E. Peirce - Baroid, New Orleans
Lawson M. Smith - Geotech Lab-USAEWES, Vicks-
burg
Charles A. Spiers - U.S.G.S. Jackson
James R. J. Strickler - Union Oil Co. of Calif.
Jackson
Tony R. Stuart - Gulf, Columbia, MS
John W. Tlapek - Cardell-Tlapek, El Dorado, Ark.

INDUSTRY ACTIVITY

January - June, 1980

ALABAMA

<u>Exploratory</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	0	2	0
U. Cret.	0	0	2
Jurassic	1	0	16
Paleozoic	1	5	16

Exploratory Footage: 354,036'

<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	0	1	0
U. Cret.	7	0	0
Jurassic	3	2	5
Paleozoic	2	29	14

MISSISSIPPI

<u>Exploratory</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	4	0	72
U. Cret.	1	0	9
L. Cret.	0	0	15
Jurassic	0	2	10
Paleozoic	0	0	3

Exploratory Footage: 994,155'

<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	32	0	29
U. Cret.	32	3	6
L. Cret.	7	19	13
Jurassic	3	1	11
Paleozoic	0	7	4

FLORIDA

<u>Exploratory</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
L. Cret.	0	0	2
Jurassic	0	0	3

Exploratory Footage: 65,389'

<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
L. Cret.	6	0	1

DISCOVERIES
1-01-80 to 2-01-80

Unnamed 1-01-80
Williams Brothers Eng.
#1-A Henry Kersh
Sec. 18, T8N-R5E, Rankin Co., MS
TD 15,404 (salt)
Smackover pfs: 14,438-470
FARO 1226 MCFGPD (CO₂); H₂S 1500 ppm
11.5/64 ck, F.T.P. 2226#

South Cold Creek 1-15-80
Robert Mosbacher
#1 Mobile County Board of School Commissioners
16-4
Sec. 16, T1S-R1W, Mobile County, AL
TD 18,563 (Jurassic)
Smackover pfs: 18,494-526
F/356 BO+ 299 MCDGPD; 27% B.S. & W.
24/64 ck, F.T.P. 220#, G.O.R. 1062/1 GR.55.8°

Mechanicsburg 1-21-80
Cardell-Tlapek Co.
#1 Williams Est.
Sec. 9, T9N-R3W Yazoo County, MS
TD 12,308 (Jurassic)
Cotton Valley pfs: 11,690-708
F/2043 MCFG + 80 BC + 6 BWP; CO₂ 19%
15/64 ck, F.T.P. 2400#; G.C.R. 25,562/1;
GR 54°

2-01-80 to 3-01-80

Unnamed 2-12-80
Pruet Production
#1 Weyerhaeuser 26-11
Sec. 26, T14S-R14W, Lamar County, AL
TD 2712 (Paleozoics)
Carter Pfs: 2573-88
FARO 181 BOPD + 150 MCFGPD + 5.5% BS & W
16/64 ck, F.T.P. 276#, GOR 1381/1, GR. 35.4°

2-01-80 to 3-01-80 cont'd

West Oakvale (New Pay) 2-16-80
Tomlinson Interests
#1 Unit 36-12 (Melvin Jones)
Sec. 36, T6N-R20W, Lawrence Co., MS
TD 16,505 (Hosston)
James Pfs: 15,134-154
F/359 BOPD + 38 MCFGPD + 4.5 BWPD
18/64 ck, F.T.P. 117, GR. 44.1^o

Unnamed 2-26-80
Hughes & Hughes - Warrior Drlg.
#1 Richards 33-11
Sec. 33, T15S-R16W, Lamar Co., AL
TD 5250 (Paleozoics)
Carter pfs: 4382-4428
FARO 3050 MCFGPD + 17130 PD
26/64 E, FTP 1435#, GOR 179.412/1
Lewis pfs: 4906-30
FARO 1900 MCDGPD + 11 BOPD
1" ck, F.T.P. 865#, GOR 172,727/1

Pistol Ridge (New Pay) 2-28-80
Tomlinson Interests
#1 Crosby, et al 6-10
Sec. 6, T1S-R13W, Forrest County, MS
TD 18,535 (Jurassic)
Paluxy-Gammil Sd. pfs: 11,821-846
F/3760 MCFGPD + 121 BCPD + 93 BWPD
16/64 ck, F.T.P. 3137#, GCR 31,074/1,
GR 57.9^o

3-01-80 to 4-01-80

Flat Branch 3-05-80
Wyatt E. Craft - Marion Corp.
#1 Stanley
Sec. 8, T5N-R8W, Greene County, MS
TD 7,000' (Tusc)
Tusc. pfs: 6758-74 (O/A)
P/117 BO + 180 BWPD, Gr.25^o

3-01-80 to 4-01-80 cont'd

Fields Lake 3-19-80
Barnett Serio Expl.
#A-1 Mercer
Sec. Acc. T9N-R2W, Adams County, MS
TD 5531 (Wilcox)
Artman Sand pfs: 5165-68
F/140 BOPD, 14/64 ck, F.T.P. 140#

Unnamed 3-21-80
Hughes & Hughes - Warrior Drlg.
#1 Funderburk 32-9
Sec. 32, T15S-R16W, Lamar Co., AL
TD 5060 (Paleozoics)
Penn Sand pfs: 2270-74
FARO 876 MCFGPD, 1/2 ck, F.T.P. 125#

West Crosby 3-23-80
Callon Petroleum - Bob Bertolet
#1 U.S.A. -CB
Sec. 41, T4N-R1E, Wilkinson County, MS
TD 7210 (Wilcox)
Walker Sand pfs: 6958-59
F/32 BOPD, 8.5/64 Ck, F.T.P. 20#, Gr 42°

4-01-80 to 5-01-80

Unnamed 4-15-80
Southland Royalty
#1 A. Chandler 2-6
Sec. 2, T16S-R16W, Lamar County, AL
TD 4859' (Paleozoics)
Basal Penn. Sand pfs: 3721-48 (O/A)
FARO 550 MCFG + 255 BOPD
24/64 ck, F.T.P. 590#, GOR 2157/1 Gr 40°

Foley 4-30-80
Amoco Production
#1 L. R. Barner
Sec. 37, T7S-R4E, Baldwin Co., AL
TD 2061 (Miocene)
Amos Sand pfs: 1661-70
FARO 7,000 MCFGPD, Adj. ck, F.T.P. 442#

5-01-80 to 6-01-80

Languedock 5-11-80
Callon Petroleum
#1 Lambdin "LP"
Sec. 54, T8N-R2W, Adams County, MS
TD 6135' (Wilcox)
Armstrong Sand pfs: 5785-88
F/91 BOPD, 8/64 ck, F.T.P. 270#, Gr 41^o

Middle Fork 5-19-80
Germany-Gulmon
#1 Ezell, et al 8-14
Sec. 8, T7N-R3E, Franklin Co., MS
TD 6310 (Wilcox)
1st Wilcox Sand pfs: 4103 1/2 - 04 1/2^o
F/80 BOPD 7/64 ck, F.T.P. 375# Gr. 29^o

Oyster Bay
Amoco Production
#1 Meyer Properties
Sec. 7, T9S-R4E
TD 2402 (Miocene)
Oyster Bay Sand pfs: 1328-38
F/1008 MCDFPD 70/64 ck, F.T.P. 55#

6-01-80 to 7-01-80

Unnamed 6-06-80
Republic Steel Corp.
#1 Republic Steel 19-13
Sec. 19, T17S-R10W, Tuscaloosa, Alabama
TD 3932 (Paleozoics)
Lewis Sand pfs: 3062-73
FARO 1100 MCFGPD, 16/64 ck, F.T.P. 1240#

West Oakvale - New Pay 6-26-80
Tomlinson Interests
Virgil Barnes 31-5
Sec. 31, T6N-R19W, Jefferson Davis Co., MS
TD 16,496' (Hosston)
Sligo-Barnes Sand pfs: 15,654-676
FARO 5590 MCFG + 145 BWPD
22/64 ck, F.T.P. 2345#

6-01-80 to 7-01-80 cont'd

Black Creek - New Pay 6-30-80
Florida Exploration
#1 International Paper 5-6
Sec. 5, T2S-R10W, Stone County, MS
TD 14,488 (Hosston)
Josephine Sand pfs: 14,140 - 155 1/2
F/1839 MCFG + 8 BWPD
14/64 ck, F.T.P. 1261#



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David Skiles Area Exploration Manager

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GRAVITY 6400 N. Central Expressway
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Jackson, Miss. 39206 Home: 601-939-0390

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354-3642 477-8315

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(601) - 969-3337

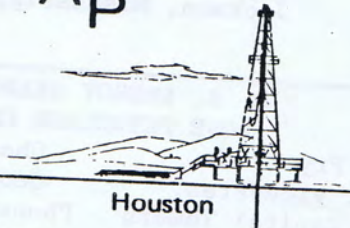
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<p>DALE EXPLORATION COMPANY P. O. Box 850 Vidalia, Louisiana 71373</p>
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<p>JAMES B. FURRH, JR. Oil Producer 1236 Capital Towers Jackson, Miss.</p>
<p>GENERAL AMERICAN OIL CO. OF TEXAS John Suthoff, Consulting Geologist 504 Standard Life Bldg. Jackson, Miss. 39201 601-353-0103</p>
<p>PAUL GRIBAS Petroleum Geologist 601-362-3314 Suite L/5250 Galaxie Dr., Jackson, Ms. 39206</p>
<p>GUARDIAN OIL COMPANY L. Graham Hughes 1140 Capital Towers Jackson, Mississippi</p>

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Petroleum Geologists Natchez, Miss.
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CLAUD B. HAMILL
Oil Operator
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W. L. HARPER, Geophysical Consultant
115 Sterling Towers, Jackson, Miss. 39202
Phone: 601-352-3339

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ALAN JACKSON
Consulting Geologist 601-264-9755
503 Mandalay Drive, Hattiesburg, Miss. 39401

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P. O. Box 16263 Jackson, Miss. 39206

H. E. KARGES, Consulting Geologist
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1017 First National Bank Building
Jackson, Mississippi 355-1528

HILTON L. LADNER, Petroleum Geologist
903 First National Bank Building
Jackson, Mississippi 354-3616

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The Redd Bldg./4443 I-55 North/P.O.Box 5168
Jackson, Miss. 39216 601-982-0272

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<p style="text-align: center;">DALE MYERS, Geologist</p> <p>P.O. Box 10553 601-355-3536 Jackson, Miss. 39209</p>
<p style="text-align: center;">MORTON M. PHILLIPS, Petroleum Geologist</p> <p>740 Milner Bldg., Jackson, Miss. 39201 Phone: 355-3364 Phone: 366-9660</p>
<p style="text-align: center;">PAUL ANTHONY RADZEWICZ</p> <p>Oil Producer 969-3950 1829 DGB Plaza Jackson, Miss. 39201</p>
<p style="text-align: center;">SPOONER PETROLEUM COMPANY</p> <p>1850 Deposit Guaranty Plaza Jackson, Mississippi 39201</p>
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<p style="text-align: center;">LARRY WALTER</p> <p>Consulting Geologist 601-969-1260 2156 DGB Plaza Jackson, Miss. 39201</p>
<p style="text-align: center;">H. VAUGHAN WATKINS, JR.</p> <p>Geologist 601-354-1069 1640 Capital Towers, Jackson, Miss. 39201</p>
<p style="text-align: center;">CLAYTON W. WILLIAMS, JR.</p> <p>1088 DGB Plaza 601-944-0120 Jackson, Mississippi 39201</p>
<p style="text-align: center;">ROBERT WOMACK, JR.</p> <p>Consulting Geologist 601-353-4650 1508 Standard Life Bldg., Jackson, Miss. 39201</p>
<p style="text-align: center;">WILLIAM C. WAGNER, Consulting Geophysicist</p> <p>1824 Capital Towers 601-355-5458 Jackson, Mississippi 39201</p>
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MISSISSIPPI GEOLOGICAL SOCIETY
P.O. BOX 422
JACKSON, MS 39205



*Frederic F. Mellen
Mellen Geological Assoc.
702-6 Standard Life Bldg.
Jackson, MS 39201

-CALENDAR-

- Sept. 23 - J.G.S. HOG ROAST
Fowler Lodge - 4:30 P.M.
- Sept. 30 - M.G.S. KICKOFF BAR-B-QUE
Fowler Lodge - 4:30 P.M.
- Oct. 7 - M.G.S. NOON MEETING
Capital City Petroleum Club
- Oct. 15-17 - G.C.A.G.S ANNUAL CONVENTION
Lafayette, Louisiana
- Nov. 17-20 - G.S.A. ANNUAL CONVENTION
Atlanta, Georgia

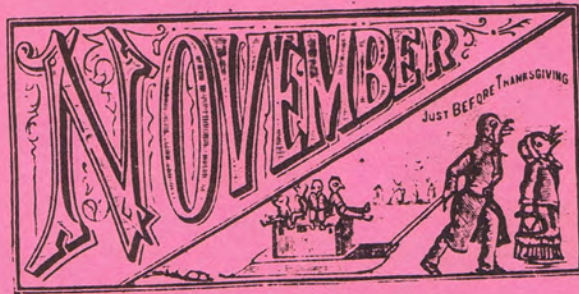
NEWS

BULLETIN

mississippi geological society



VOLUME XXVIII, No. 2, NOVEMBER, 1980



M.G.S. NOON MEETING

The next noon meeting of the Mississippi Geological Society will be held on Wednesday, November 19, 1980 in the Smackover Room of the Capitol City Petroleum Club. The guest speakers will be Joe B. Adams with the Louisiana Department of Conservation in Baton Rouge and Frank W. Harrison, Jr. a consulting geologist from Lafayette. Their talk is entitled "No. 1 Play in the U.S.A.: South Louisiana Tuscaloosa Trend 1975-1980."

Please call reservations in to T. C. Rader at 969-3286 by noon, Monday, November 17, 1980. The meeting will cost \$7.00.



MISSISSIPPI GEOLOGICAL SOCIETY

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[Faint, mirrored text visible through the paper, likely bleed-through from the reverse side. The text is mostly illegible but appears to contain words related to oil and energy.]

NO. 1 PLAY IN THE U.S.A.
SOUTH LOUISIANA TUSCALOOSA TREND
1975 - 1980

Joe B. Adams and Frank W. Harrison, Jr.

ABSTRACT

Since the discovery of Tuscaloosa production at False River field in West Baton Rouge Parish, Louisiana on May 31, 1975, the Tuscaloosa trend of south central Louisiana has developed into the most active deep exploratory play in the U.S.A. Drilling activity since the discovery of the False River field has resulted in the additional discovery of thirteen Tuscaloosa gas-condensate fields, one Tuscaloosa oil field, three Austin Chalk discoveries, and one Wilcox discovery. As of March 1980, two hundred forty-one permits have been issued by the Louisiana Department of Conservation. Of this number, one hundred nineteen are wildcats which have been drilled or are drilling below a depth of 15,000 ft. The success ratio for wildcats is one of six, or sixteen and two-thirds percent and field extension and development drilling has resulted in a success ratio of one of two, or fifty percent.

There are in excess of four million acres under lease in the trend. One hundred twenty-nine thousand, six hundred eighty acres have been placed in Tuscaloosa drilling units by the Louisiana Department of Conservation. Some of the most significant fields discovered along the trend are the False River field, West Baton Rouge Parish; the Moncrief, Judge Digby, and Moore-Sams fields in Pointe Coupee Parish; the Port Hudson, Irene and Profit Island fields in East Baton Rouge Parish; and the Lockhart Crossing field in Livingston Parish, Louisiana. Proven reserves of four trillion cubic feet of gas and four hundred million barrels of condensate have been established. In addition, available seismic and subsurface data indicate the

future reserve potential of the Tuscaloosa to be estimated at sixteen trillion cubic feet of gas.

A detailed subsurface and stratigraphic study of the existing fields to date should serve as a guide for locating other major reserves along the trend.

VITA

Joe B. Adams is with the Louisiana Office of Conservation. He attended Louisiana State University, receiving a B. S. in geology in 1956. He served two years as Unit Commander in the Corps of Engineers, then with the construction industry from 1958-63. He was with the State of Louisiana Mineral Board from 1963 to 1975, serving as District Geologist. In February, 1975, he was transferred to the Office of Conservation where he is presently Senior Offshore Geologist with primary responsibility for state-owned coastal waters. Joe has followed the South Louisiana Tuscaloosa Trend since its discovery.

Frank W. Harrison, a consulting geologist in Lafayette, Louisiana, received a BS in Petroleum Geology from L.S.U. in 1950. He worked as geologist for Union Producing Company from 1950-54, was in the U.S. Army from 1951-53. He was with Seaboard Oil until 1956, Trans-Texas Drilling Company as District Geologist until 1957, head geologist with American Natural Gas from 1957-59 and has been an independent and consulting geologist since 1959.

MISSISSIPPI GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETING

October 28, 1980

Meeting Place: Capitol City Petroleum Club,
Library

Members Present: Marshall Kern, Steve Oivanki,
Simeon King, Phillip Gunter,,
John Marble, Philip Reeves,
Steve Benedetti

Meeting was called to order at 1:40 p.m. Minutes of August 18, 1980 were read and approved.

The election of delegates to the AAPG will be handled by the AAPG instead of by the local society. It was decided that a list of contributors to the Boland Scholarship Fund will be published if the contributor has no objections.

Next noon meeting will be held on November 19, 1980.

The MGS will make a contribution to the Boland Scholarship Fund. The amount to be decided upon at next directors meeting.

Last call for photographs for the Photo directory. Names of members not furnishing pictures will be listed in back of directory.

The possibility of using an annual card update system to keep track of address and job changes was discussed. A decision will be made at a later date.

A motion was made and passed to appoint an historian for the society.

A letter to the GCAGS convention chairman will be written to express dissatisfaction in the manner in which advertising and the rental of display booths were handled.

Forty-six (46) new members were accepted by the society.

Meeting adjourned at 2:40 p.m.

Philip Gunter,
Secretary

PRELIMINARY ANNOUNCEMENT

Southeastern Section, GSA,
30th Annual Meeting
Hattiesburg, Mississippi
March 18-20, 1981

The Southeastern Section of the Geological Society of America and the National Association of Geology Teachers (Southeastern Section) will hold their annual meeting at Hattiesburg, Mississippi, March 18-20, 1981. The meeting is sponsored by the Department of Geology, University of Southern Mississippi, Hattiesburg, and the Department of Conferences and Workshops, University of Southern Mississippi, Hattiesburg.

SYMPOSIA. Geology of the Talladega State Belt, Coordinators: James F. Tull, Department of Geology and Geography, University of Alabama, Tuscaloosa, AL 35486, and Denny N. Bearce, Earth Science Department, University of Alabama, Birmingham, AL 35294. Salt Dome Structure and Genesis. Coordinator: Joseph D. Martinez, Director, Institute for Environmental Studies, Atkinson Hall, Room 42, Louisiana State University, Baton Rouge, LA 70893.

TECHNICAL SESSIONS. General topics: Sedimentation, Economic Geology, Geochemistry, Mineralogy, Geophysics, Structural Geology, Geomorphology, Hydrology, Geological Education, Stratigraphy, Petrology, Paleontology, Environmental Geology. Specific topics: Appalachian Structure and Geology beneath the Coastal Plain Overlap; Neogene Geology of the Northeastern Gulf Region; Marine Geology and Geophysics of the Gulf, Caribbean, and Atlantic Offshore.

FIELD TRIPS. Neogene Geology of Southeastern Mississippi and Southwestern Alabama; "Lignites" of Central Mississippi and Alabama; Detailed Mid-Tertiary Stratigraphy along the Chickasawhay River, East-Central Mississippi; General Overview of the Economic Geology and Stratigraphy of

Central and East-Central Mississippi; Teaching
Hardrock and Softrock Geology in the Gulf Coast-
al Plain; Miocene(?) Geology of Hattiesburg
District.

David M. Patrick, Field Trip Chairman
Waterways Experiment Station
P. O. Box 631
Vicksburg, Mississippi 39201
(601) 634-2125

EMPLOYMENT SERVICE. GSA plans to conduct an
employment interview service. Booths are pro-
vided for employers to hold in-person interviews
with applicants who are registered with the ser-
vice.

DETAILED INFORMATION concerning registration,
accommodations, and activities will appear in a
later issue of GSA News & Information and as a
part of the Abstracts with Programs for 1981.

SPOUSES' ACTIVITIES. A full schedule of ac-
tivities is being organized.

EXHIBITS representing all segments of earth
science education, research and industry will be
displayed in the University Coliseum.

ADDITIONAL inquiries or suggestions should be
directed to:

Daniel A. Sundeen, Local Committee Chairman
Department of Geology
University of Southern Mississippi
Hattiesburg, MS 39401
(601) 266-7195

OR

Maurice A. Maylan, Program Committee Chairman
Department of Geology
University of Southern Mississippi
Hattiesburg, MS 39401
(601) 266-7196

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DUES NOTICE

As of November 1, 1980, all unpaid dues become delinquent. Please pay dues at the monthly meeting or send to the M.G.S. All delinquent members will be taken off the mailing list beginning with December, 1980.

ANNOUNCEMENT

Three Evening Courses in Geology
Department of Geology
Millsaps College

Three evening courses are to be offered in the Department of Geology for the Spring Semester of 1981. Structural Geology (Geology 212) will be offered on Monday and Wednesday evenings (6:00-8:30). Emphasis will be placed upon the behavior of rocks when subjected to stress and strain and the resulting geologic structures.

The second course to be taught will be Petroleum Geology (Geology 302) and is to be offered on Tuesday and Thursday evenings (6:00-8:30). The course will emphasize the applications of geology to the petroleum industry, theories on origin, and occurrences of oil and gas. Several Mississippi oil and gas fields will be discussed in detail.

The third course offered in the Geology Department will be Invertebrate Paleontology (Geology 221) on Tuesday and Thursday evenings (6:00-8:30). The course covers the classification, identification, and the relationship of fossils to stratigraphy and geologic time.

The above courses are offered for the geology major, for continuing education, and anyone interested should call the Department of Geology and ask about the above evening courses or about enrolling in other geology courses. Call 354-5201, extension 327 for further information.



November 14, 1980 Deadline
Photo Directory

The deadline for pictures for the new M.G.S. photo directory is November 14, 1980. If your picture has not been taken, please call David Dockery during working hours at the Mississippi Bureau of Geology at 2525 N. West St., Jackson (Phone 354-6228). Those out of town members unable to do this should send a passport size photograph to the M.G.S.

All persons please include the following information sheet with the photo or when going to the Bureau of Geology.

Name: _____

Company & Title: _____

Office: _____ Phone _____

_____ Zip _____

Home: _____ Phone _____

_____ Zip _____

School: _____

Spouse's Name: _____

NOTICE
SOCIETY OF PROFESSIONAL WELL-LOG ANALYSTS

This is an open letter to those of you who may be interested in joining and re-establishing an active SPWLA Chapter in the Jackson area. As I am sure, many of you are aware of the importance in logging and log analysis as part of your exploration programs. Too infrequently though we are not able to congregate and discuss many of the advances and problems with logging and log interpretation methods. Re-establishing an SPWLA Chapter in Jackson would certainly help in keeping us better informed about this necessary part of our profession. Meetings with formal presentations will be planned. If you are interested, please contact by mail or phone:

Morton E. Wakeland, Jr.
Grace Petroleum Corporation
P. O. Box 22928
Jackson, Mississippi 39205
Phone 969-3337,

so that you may be added to the mailing list for meeting notification.

Thank you

Morton E. Wakeland, Jr.

MISSISSIPPI ACADEMY OF SCIENCES 1981 MEETING

The 45th annual meeting of the Mississippi Academy of Sciences will be held at the Jackson Holiday Inn Downtown. All geologists are invited to attend this meeting and are urged to present papers or poster sessions.

The appropriate abstract and request forms are available now. Completed forms must be mailed by December 8, 1980. Forms and information are available from:

Ernest H. Boswell
Chairman, Geology and Geography Section
247 Dona Avenue, Jackson, Miss. 39212
960-4600 or 373-3612

1980-81 M.G.S. Speakers

The following speakers/dates have been reserved for our noon luncheon meetings:

Wednesday, November 19, 1980: Joe B. Adams and Frank W. Harrison, Jr. - "No. 1 Play in the U.S.A.: South Louisiana Tuscaloosa Trend 1975-80." This presentation will also include material from Frank's paper "Louisiana Tuscaloosa versus Southeast Texas Woodbine".

Wednesday, December 10, 1980: Mr. Ernest Mancini "Regional Stratigraphy of Upper Jurassic Smackover Carbonates of Southwest Alabama."

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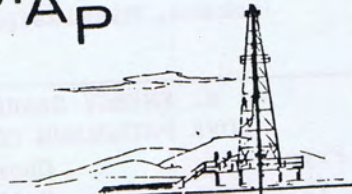
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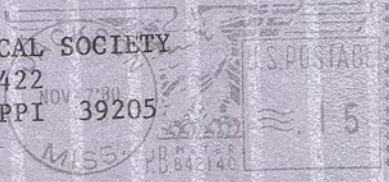
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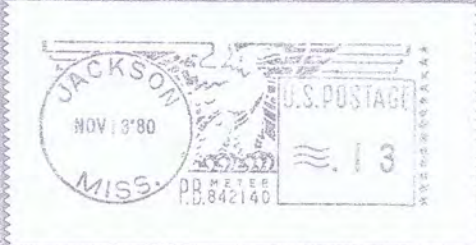
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-CALENDAR-

- Nov. 10 - J.G.S. CONTINUING EDUCATION
Dr. Nabil A. Morgan
- Nov. 19 - M.G.S. NOON MEETING
Capitol City Petroleum Club
- Nov. 17-20- G.S.A. ANNUAL CONVENTION
Atlanta, Georgia

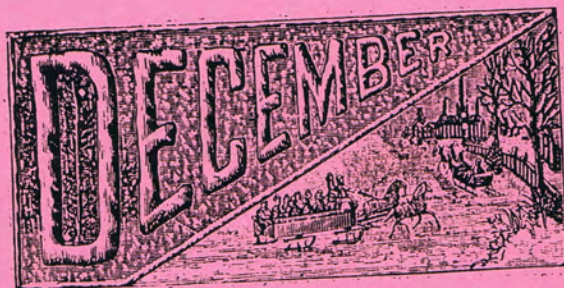
NEWS

BULLETIN

mississippi geological society



VOLUME XXVIII, NO. 3, DECEMBER, 1980



M.G.S. NOON MEETING

The Noon Meeting of the Mississippi Geological Society will be held on Wednesday, December 10, in the Smackover Room of the Capital City Petroleum Club.

Our guest speaker is Dr. Ernest Mancini of the University of Alabama, Geology and Geography Department. His presentation is entitled, "Regional Stratigraphy of Upper Jurassic Smackover Carbonates of Southwest Alabama."

Please phone your reservations in to T. C. Rader (969-3286) by noon, Monday, December 8. The meeting will cost \$7.00.

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REGIONAL STRATIGRAPHY OF UPPER JURASSIC SMACKOVER
CARBONATES OF SOUTHWEST ALABAMA

Ernest A. Mancini and D. Joe Benson

ABSTRACT

Upper Jurassic Smackover deposition in southwest Alabama was primarily controlled by the Mississippi interior salt basin and the Manila and Conecuh embayments and closely approximated carbonate sedimentation in the present-day Persian Gulf. These depositional sites are characterized by distinctive lithofacies and fossil assemblages. Early salt movement produced local variations in carbonate sediment distribution and pre-Jurassic paleo-highs, such as the Wiggins uplift and Conecuh arch, also modified carbonate sedimentation.

Throughout much of southwest Alabama, the Smackover Formation consists of a lower predominately mudstone lithofacies which overlies the Norphlet sandstone and an upper lithofacies sequence dominated by grain-supported textures which is overlain by the Buckner anhydrite. Where present, the lower Smackover lithofacies include laminated mudstone and on occasion peloidal wackestone, peloidal-oncolitic packstone, or dolomite are present. The upper lithofacies sequence consists of oolitic and/or oncolitic grainstone, peloidal and/or oncolitic wackestones to packstone, and occasionally dolomite or mudstone.

Petroleum traps in southwest Alabama are principally combination traps involving favorable stratigraphy and salt anticlines, faulted salt anticlines, or extensional faults associated with salt movement. Reservoir rocks include grainstones; leached and dolomitized wackestones, packstones, and grainstones; and dolomite. Porosity is facies-selective and is developed chiefly in lithofacies of the upper Smackover.

Porosity includes primary interparticulate, secondary grain moldic, intercrystalline dolomite, vuggy, and fracture. The algal mudstones that characterize the lower Smackover and are interbedded with upper Smackover lithologies throughout most of southwest Alabama make excellent petroleum source rocks.

The flanks of the Wiggins-Conecuh ridge and updip Smackover grainstones associated with salt structures are excellent areas for petroleum exploration in southwest Alabama. The key to successful prospecting is the delineation of traps associated with salt movement and recognition of either high to moderate energy lithofacies that have had their primary interparticulate porosity preserved or of lithofacies that have been dolomitized and/or leached with the development of intercrystalline dolomite and/or secondary grain moldic porosity.



"Geologists, in their all but closed conversation, inhabit scenes that no one ever saw, scenes of global sweep, gone and gone again, including seas, mountains, rivers, forests, and archipelagoes of aching beauty rising in volcanic violence to settle down quietly and then forever disappear--almost disappear. If some fragment has remained in the crust somewhere and something has lifted the fragment to view, the geologists in his tweed cap goes out with his hammer and his sandwich, his magnifying glass and his imagination, and rebuilds the archipelago."

John McPhee in THE NEW YORKER

Evening Course Schedule Amended

Evening Courses in Geology Department of Geology Millsaps College

Two evening courses are to be offered in the Department of Geology for the Spring semester of 1981. Structural Geology (Geology 212) will be offered on Monday and Wednesday evenings (6:00-8:30). Emphasis will be placed upon the behavior of rocks when subjected to stress and strain and the resulting geologic structures.

The second course offered in the Geology Department will be Invertebrate Paleontology (Geology 221) on Tuesday and Thursday evenings (6:00-8:30). The course covers the classification, identification, and the relationship of fossils to stratigraphy and geologic time.

The above courses are offered for the geology major, for continuing education, and anyone interested should call the Department of Geology and ask about the above evening courses or about enrolling in other geology courses. Call 354-5201, extension 327 for further information.



EDITOR'S NOTE

The officers of the Mississippi Geological Society and the staff of the NEWS-BULLETIN wish to express their gratitude to Steve Benedetti, who served as editor of the NEWS-BULLETIN for the past year. The many hours Steve contributed to the Society in preparing this bulletin are acknowledged and deeply appreciated.

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- CALENDAR -

Dec. 10 - M.G.S. NOON MEETING
Capital City Petroleum Club

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NEWS

BULLETIN

mississippi geological society



VOLUME XXVIII, NO. 4, JANUARY, 1981



M.G.S. NOON MEETING

The Noon Meeting of the Mississippi Geological Society will be held on Tuesday, January 13, in the Smackover Room of the Capital City Petroleum Club.

Our guest speaker is Dr. R. Handford of the Louisiana Geological Survey in Baton Rouge. His presentation is entitled, "Monteagle Limestone (Upper Mississippian) - Oolitic Tidal Bar Sedimentation in Southern Cumberland Plateau."

Please phone your reservations in to T. C. Rader (969-3286) by noon, Monday, January 12. The meeting will cost \$7.00.



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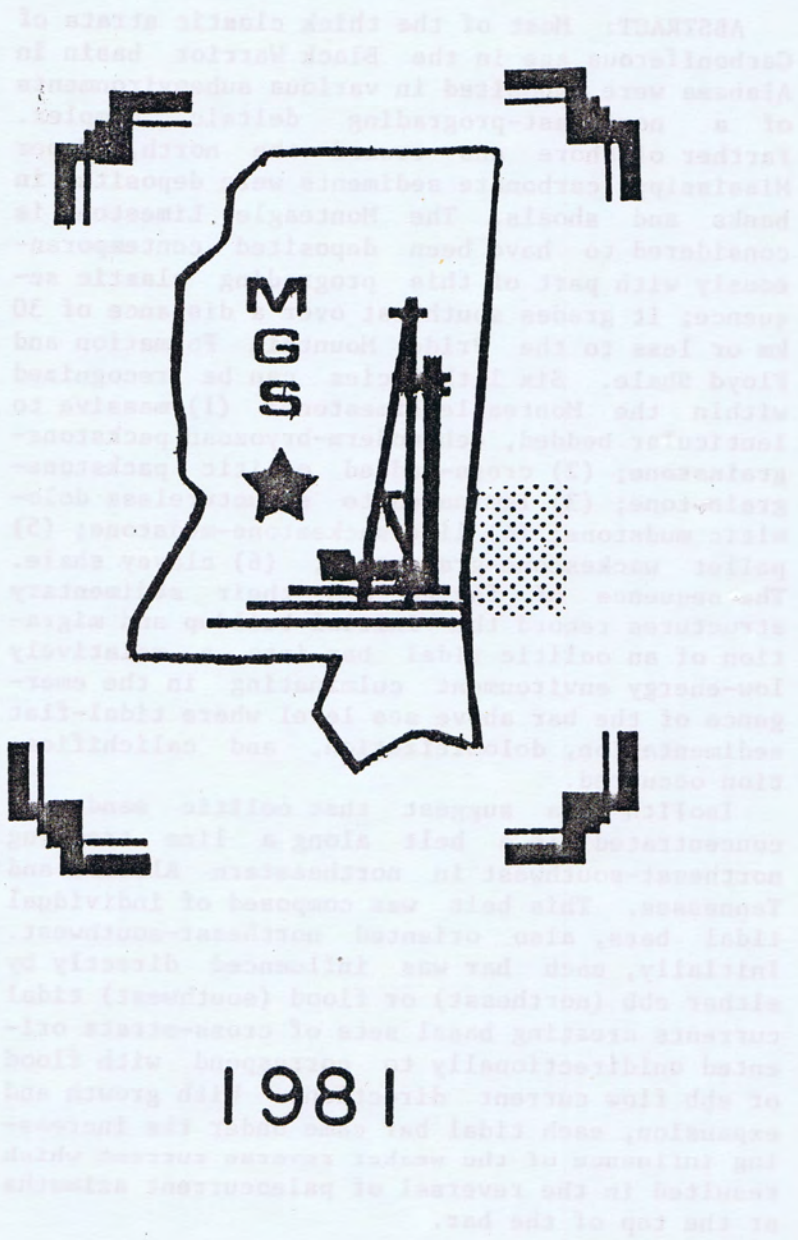
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GOLITE TITAN-BAR REPRESENTATION IN
SOUTHERN OREGONIAN PLATEAU



1981

MONTEAGLE LIMESTONE (UPPER MISSISSIPPIAN)
OOLITIC TIDAL-BAR SEDIMENTATION IN
SOUTHERN CUMBERLAND PLATEAU

ABSTRACT: Most of the thick clastic strata of Carboniferous age in the Black Warrior basin in Alabama were deposited in various subenvironments of a northeast-prograding deltaic complex. Farther offshore and toward the north, Upper Mississippi carbonate sediments were deposited in banks and shoals. The Monteagle Limestone is considered to have been deposited contemporaneously with part of this prograding clastic sequence; it grades southwest over a distance of 30 km or less to the Pride Mountain Formation and Floyd Shale. Six lithofacies can be recognized within the Monteagle Limestone: (1) massive to lenticular bedded, echinoderm-bryozoan packstone-grainstone; (2) cross-bedded oolitic packstone-grainstone; (3) laminated to structureless dolomitic mudstone; (4) lime wackestone-mudstone; (5) pellet wackestone-grainstone; (6) clayey shale. The sequence of facies and their sedimentary structures record the initial buildup and migration of an oolitic tidal bar into a relatively low-energy environment culminating in the emergence of the bar above sea level where tidal-flat sedimentation, dolomitization, and calichification occurred.

Isolith data suggest that oolitic sand was concentrated in a belt along a line trending northeast-southwest in northeastern Alabama and Tennessee. This belt was composed of individual tidal bars, also oriented northeast-southwest. Initially, each bar was influenced directly by either ebb (northeast) or flood (southwest) tidal currents creating basal sets of cross-strata oriented unidirectionally to correspond with flood or ebb flow current directions. With growth and expansion, each tidal bar came under the increasing influence of the weaker reverse current which resulted in the reversal of paleocurrent azimuths at the top of the bar.

VITA

Dr. Handford graduated from Northern Louisiana University with a bachelor's degree in 1967. He completed the master's program at the University of Arkansas in 1969, and obtained his doctorate from Louisiana State University in 1976.

Upon completion of his dissertation, he moved to California to work at Union Oil of California's Research Center in Brea. After a year in Brea Dr. Handford spent three years with the Bureau of Economic Geology in Austin, Texas. Since September he has been with the Louisiana Geological Survey in Baton Rouge.



AAPG NEWS

TULSA, OKLA. - Information on careers in the earth sciences is available in a new brochure produced by the American Association of Petroleum Geologists (AAPG).

"Careers in Geology" is the title of the free AAPG brochure which describes both physical and historical geology as well as specialty areas in geology.

The brochure includes information on education requirements and the employment outlook in the geosciences.

For a copy, send a self-addressed, stamped envelope to: The American Association of Petroleum Geologists, P. O. Box 979, Tulsa, Oklahoma 74101.

MISSISSIPPI GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETING

November 25, 1980

Meeting Place: Capital City Petroleum Club,
Library
Members Present: Marshall Kern, Simeon King,
John Marble, Phillip Gunter,
Philip Reeves, David Dockery.

Minutes of last meeting were read and approved.
Photodirectory publication will be accelerated
and the costs involved researched.

Membership list is complete and will be mailed
the first week in December.

Possibility of a golf-tennis tournament was
discussed to be held in conjunction with a dinner.

It was decided that the society will make a
contribution of approximately \$1,500.00 to the
Boland Scholarship fund in May or June of 1981.
Annual contributions by the society will be made
in May or June of subsequent years. It was re-
ported that the fund now contains \$3,200.00 at
present.

Meeting adjourned at 2:25.

Phillip Gunter
Secretary



AAPG DELEGATE ELECTION

The election for new AAPG Delegates will soon
be held. The candidates are Kipp Ferns and Gerald
Kinsley. The AAPG will conduct the election by
sending ballots to its membership.

Mississippi Geological Society
PUBLICATIONS LIST

MAPS AND PRODUCTION DATA FOR OIL AND GAS FIELDS

1. Wilcox Files of Southwest Mississippi, 171 fields, 350 pp..... \$20.00
MESOZOIC-PALEOZOIC FIELDS OF MISSISSIPPI AND ALABAMA
2. Vol. I, 1957, 57 fields, 154 pp., 2 composite logs, clothbound..... \$ 5.00
3. Vol. II, 1963, 77 fields, 143 pp., 3 ring binder (Includes Supplement I).... \$10.00
4. Supplements 2 through 7 for Vol. II..... \$10.00
5. Supplements 6 & 7 (1972) for Vol. II..... \$ 5.00
6. Supplement 8 (1980) for Vol. II..... \$35.00
7. Vol. I & II, with all supplements (1 through 8)..... \$60.00
FIELD TRIP GUIDE BOOKS
8. Fourteenth Field Trip - Upper Cretaceous of Northeast Mississippi and West
Central Alabama, May, 1959, 29 pp., illustrated with road log..... \$ 4.00

- 9. Fifteenth Field Trip - Cenozoic of Southeastern Mississippi and Southwestern Alabama, May 1960, 52 pp., illustrated with road log..... \$ 4.00
 - 10. Sixteenth Field Trip - The Paleozoics of Northwest Arkansas, Magnet Cove, Arkansas Valley, Ouachita Mountains, Ozark Highlands, May, 1962, 48 pp., illustrated with road log and correlation chart..... \$ 7.00
 - 11. Seventeenth Field Trip - Mississippi Rocks of the Black Warrior Basin, April, 1978 (includes significant gas field studies)..... \$10.00
- OTHERS
- 12. Mesozoic Composite Log of South Mississippi and South Alabama, October, 1957..... \$ 2.00
 - 13. Paleozoic Composite Log of Black Warrior Basin, Mississippi and Alabama... \$ 2.00
 - 14. Paleozoic X-Sections—Black Warrior Basin, 5 Sections..... \$10.00
 - 15. Nine Jurassic Stratigraphic X-Sections (Miss., Ala., & N. W. Fla.)...(Set) \$ 50.00
 - 16. Photodirectory 1977-78..... \$ 5.00

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Comprehensive Index	\$1.50	\$.75
Bibliography of Gulf Coast Geology (1970) Volume 1 & 2 Set	9.50	3.00
Bibliography of Gulf Coast Geology (1976) Volume 3 (special edition for 1969-74)	5.50	2.50
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Fault and Salt Map of South Louisiana 52" x 106" edited by W.E. Wallace, Jr. (1966)	20.00 (rolled)	
Faults of South and Central Texas, Map compiled by Delos R. Tucker (1967)	1.50	.75
Bathymetry of the Gulf of Mexico, Map by Elazar Uchupi (1967)	1.50	.75
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NEW PUBLICATION SERIES (December 1980)

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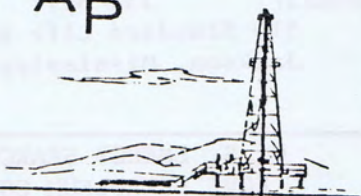
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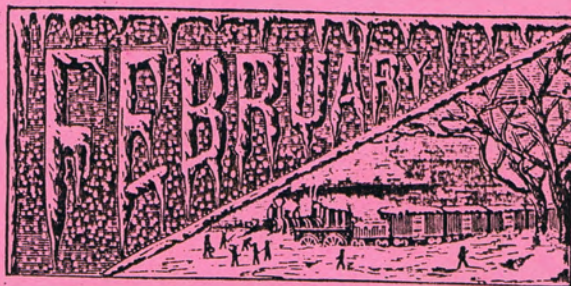


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- Jan. 13 - M.G.S. NOON MEETING
Smackover Room
Capital City Petroleum Club
- Jan. 19 - J.G.S. MEETING
Primos Northgate - 5:30 PM

VOLUME XXVIII, NO. 5, FEBRUARY, 1981



M.G.S. NOON MEETING

The Noon Meeting of the Mississippi Geological Society will be held on Tuesday, February 10, in the Smackover Room of the Capital City Petroleum Club.

Our guest speaker is Raymond P. Karpovich with American Petrofina. His presentation is entitled, "Jurassic Geology and Hydrocarbon Potential of Southwestern Alabama."

Please phone your reservations in to T. C. Rader (969-3286) by noon, Monday, February 9. The meeting will cost \$7.00.



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MISSISSIPPI GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETING

December 30, 1980

Meeting Place: Capital City Petroleum Club,
Library

Members Present: Marshal Kern, Steve Oivanki,
John Marble, Justin Devery,
Phillip Gunter, Philip Reeves,
Kipp Ferns

Meeting was called to order at 1:30 p.m.
Minutes of November 25, 1980, were read and
approved.

Gerald Kinsley and Kipp Ferns nominated for
election as AAPG delegates.

Kipp Ferns reported that three bids have been
received for printing of Photo directory.
Quality Printing, Jackson, was selected to print
upcoming directory.

It was decided that the 1981 Spring Fling
will be held at Fowler's Lodge. This shrimp-
crawfish boil will be held in April. A sponsor
for this function is to be selected.

A committee is needed to help with the Spring
Fling. The possibility of hiring help was dis-
cussed.

Five (5) new members were approved.

Meeting adjourned at 2:30 p.m.

Phillip Gunter
Secretary

JURASSIC GEOLOGY AND HYDROCARBON POTENTIAL OF
SOUTHWESTERN ALABAMA

RAYMOND P. KARPOVICH

ABSTRACT

The Jurassic Haynesville-Buckner-Smackover-Norphlet sequence in southwestern Alabama includes excellent deep reservoirs and laterally equivalent source rocks. The complex interaction of stratigraphy, syndepositional salt tectonics and faulting, and draping due to differential compaction over basement structures provides mechanism for early entrapment of and potentially significant hydrocarbon reserves in this area. Major Smackover-Norphlet production to the northwest and northeast, at Hatters Pond, Chunchula and Jay fields, is from facies similar to those found in southwestern Baldwin County, Alabama. Detailed petrographic analyses of cores, chips, and cuttings samples from seven wells in southern Alabama and western Florida provide data for conceptualizing Upper Jurassic stratigraphy (Norphlet-lower Haynesville) and paleofacies relationships in this area.

The development of a regional Triassic Eagle Mills paleotopography in this area, including the interior salt basin, was influenced by existing Paleozoic basement structural trends and tensional tectonism related to incipient opening of the ancestral Gulf of Mexico. In the eastermost portion of the salt basin, deposition of the Werner Anhydrite and Louann Salt was succeeded by the southward progradation of fluvial lower Norphlet facies. Upper Norphlet facies include littoral and possibly eolian sandstones, which are among the oldest Jurassic hydrocarbon reservoirs in the region. Rapid inundation of the Norphlet surface in lower Smackover time resulted in the deposition of

"basinal" argillaceous carbonates (brown dense facies) in the area. This event was followed by the establishment and progressive southward progradation of a shoal-water limestone facies mosaic, including high-energy grainstones. Many of these subsequently dolomitized grainstones have porosities of as much as 24% and good permeabilities despite their burial below 19,000 feet in southern Baldwin County. However, commercial hydrocarbon production from such reservoirs has not yet been extended south into this area.

Evaporitic sabkha facies of the uppermost Smackover and Buckner-lower Haynesville subsequently prograded over shelf carbonates throughout most of the study area. Whereas the area south of the Baldwin County graben generally appears to have remained basinal in character throughout all of Smackover time, Buckner-lower Haynesville deposits in the Amoco No. 2 Amos well in T-7-S R-4-E Sec. 32 include thick grainstone shoal deposits which indicate the local existence of an emerging positive area south of the graben. This facies could provide for significant stratigraphic-structural hydrocarbon accumulations in this heretofore unexplored region.

VITA

Mr. Karpovich received his bachelor's degree in Geology from the University of Cincinnati in 1967. He completed his post-graduate work three years later at Florida State. A native Pennsylvanian Mr. Karpovich is currently Division Geologist with American Petrofina. Before joining Petrofina, he served with Union Texas in Lafayette, General Crude in New Orleans, and Amoco in New Orleans. Raymond is active in many professional societies and among his publication credits is the Handbook of Deltaic Sand Bodies.

NOTICE

SPWLA MEETING

Capital City Petroleum Club
Smackover Room
Wednesday, February 18, 1981

NOON
(Luncheon, \$7.00)

TOPIC: Old E - Log Interpretation

SPEAKER: William H. (Bill) Lang, Jr.
Past President SPWLA
Log Analyst, Superior Oil Company
Houston, Texas

In order that adequate seating can be arranged
for this initial meeting, please RSVP to:

Morton E. Wakeland, Jr.
Grace Petroleum Corporation
P. O. Box 22928
Jackson, Mississippi 39205
Phone 969-3337

ABSTRACT

There are many old logs in our well files. Often the only log available in a critical area has an SP curve and one to three non-focused resistivity curves. Knowledge of the borehole environmental effects of the electrode configuration and spacing on the old logs may lead to the discovery of overlooked hydrocarbons.

BIOGRAPHY

Bill graduated from the Colorado School of Mines with a degree in Geological Engineering.

He currently is Past-President of SPWLA, having served as President, Vice-President of Technology and Vice-President of Membership.

Bill joined Superior Oil in April, 1980 after being with Union Oil Company of California in Los Angeles, Belco Production in New York and Cities Service in Oklahoma. He has also taught formation evaluation on the graduate level at USC.



SPRING FLING SPONSOR

The annual Spring Fling will be held in April. Fowler's Lodge will be the setting for this year's shrimp and crawfish boil. A sponsor still has not been chosen for the event. If you or your company are thinking of sponsoring the boil, please contact an officer of the M.G.S.



NEW MEMBERS

MARVIN E. NORMAN - Consultant, Ranger, Texas

LESLIE EDWARD LEIGH - Clayton W. Williams, Jr.,
Jackson, Mississippi

LINDA P. BRATLIE - Exxon Co. USA, New Orleans,
Louisiana

The Southeastern Section of the Geological Society of America will hold its 30th Annual Meeting at the University of Southern Mississippi campus in Hattiesburg, Mississippi, March 18, 19 and 20, 1981. The meeting is hosted by the Department of Geology and the Department of Conferences and Workshops of the University of Southern Mississippi. Geologists from a number of other organizations in Alabama, Louisiana, and Mississippi will be conducting symposia, special sessions and field trips.

REGISTRATION

Registration is required for all those attending the meetings, field trips, exhibits and spouses' programs. Registration will be held in R. C. Cook University Union Lobby on March 18 from 1700 to 2130 hours and during the meeting.

Pre-registration forms must be received by March 2, 1981. Forms will be published in the December, 1980, issue of GSA News and Information. Refunds on cancelled pre-registrations will be made in full until March 2, 1981. After that date, no refunds will be made except for cancelled field trips.

REGISTRATION FEES

Pre-registration (before March 2)-----	\$25.00
Registration (after March 2 - on site)---	\$30.00
GSA Student Associates (before March 2)--	\$12.50
GSA Student Associates (after March 2- on site)-----	\$15.00
Guest Spouse Pre-registration (before March 2)-----	\$13.50
Guest Spouse Registration (After March 2 - on site)-----	\$16.00

SYMPOSIA

- (1) Geology of the Talladega Slate Belt
- (2) Salt Dome Structure and Genesis
- (3) Coastal Plain Mollusks

SPECIAL SESSIONS

- (1) Appalachian Structure and Geology Beneath the Coastal Plain Overlap.
- (2) Neogene Geology of the Northeastern Gulf Region.
- (3) Marine Geology and Geophysics of the Gulf, Caribbean, and Atlantic Offshore.

FIELD TRIPS

- (1) Neogene Geology of Southeastern Mississippi and Southwestern Alabama.
- (2) Teaching Hardrock and Softrock Geology in the Gulf Coastal Plain.
- (3) Detailed Mid-Tertiary Stratigraphy along the Chickasawhay River, East Central Mississippi.
- (4) General Overview of the Economic Geology and Stratigraphy of Central and East Central Mississippi.
- (5) Miocene (?) Geology of the Hattiesburg District.

AAPG NEWS

TULSA, OKLA. - Most of the oil and gas produced in the world is found in sedimentary basins - depressed, bowl-shaped areas often covering thousands of square miles, and formed over millions of years by the deposition of organic and inorganic particles.

"Sedimentary Basins of the World and Giant Hydrocarbon Accumulations," is the only map of its kind and is now available from the American Association of Petroleum Geologists.

The map took five years to complete and was developed by Dr. Bill St. John, president of AgriPetco, a Tulsa-based international oil and gas exploration and production company. St. John is also the author of the accompanying text.

A wealth of information has been compiled in the map and text, including definitions and interesting facts. For example, of the world's 575 known sedimentary basins, 215 are oil and/or gas productive and 360 are nonproductive--either through lack of previous exploration or by having noneconomic oil and gas accumulations.

Other points of interest are what comprises giant and supergiant oil and gas fields: A giant oil field has recoverable oil reserves of at least 500 million barrels; a giant gas field contains at least 3 trillion cubic feet (Tcf) of recoverable gas. A combination giant oil and gas field with recoverable reserves of 1 billion barrels of oil and 3 Tcf of gas will have 1.5 billion barrels of oil equivalent (BOE). A supergiant field has recoverable oil reserves of at least 4 billion barrels. A supergiant gas field will have at least 24 Tcf of gas, or 4 billion BOE.

The map gives a geographical location for each of the world's basins, and identifies those that are productive from giant and subgiant fields, those that produce from subgiant fields

PETROLEUM GEOLOGY OF ALABAMA

Conference

Ferguson Center, The University of Alabama, Tuscaloosa, Alabama
April 28-29, 1981

The Alabama Geological Society, the Geological Survey of Alabama and State Oil and Gas Board of Alabama, and the School of Mines and Energy Development, The University of Alabama will host a Conference on the Petroleum Geology of Alabama, to be held at The University of Alabama on April 28-29, 1981. The Conference will concentrate on petroleum activity and future hydrocarbon potential in Alabama.

The Conference schedule includes two pre-Conference one-day field trips on April 27, 1981: to the Appalachian Thrust Belt, and to the Alabama Coastal Plain. The Thrust Belt field trip will focus on structural styles and on Paleozoic strata that are characteristic of this province. The Coastal Plain field trip will study classic Lower Tertiary and Upper Cretaceous localities of the eastern Gulf Coastal Plain. A post-Conference one-day field trip will be conducted on April 30, 1981, to the Black Warrior Basin. The Warrior Basin field trip will examine surface exposures of Carboniferous units which are productive in the subsurface.

The Conference program includes a General Session, Coastal Plain Session, Black Warrior Basin Session, Appalachian Thrust Belt Session and Core Workshop. The General Session consists of discussions of oil and gas and alternate hydrocarbon energy sources in Alabama. The Coastal Plain Session will concentrate on producing horizons, including Jurassic Norphlet sandstone and Smackover carbonate, Cretaceous Donovan, Tuscaloosa, Eutaw sandstones and Selma chalk, and Miocene sand. The Black Warrior Basin Session will focus on environments of deposition of Carboniferous producing reservoirs and regional geology of lower Paleozoic strata. The Appalachian Thrust Belt Session will examine the structural and stratigraphic complexities that an exploration geologist must deal with when prospecting in a thrust belt province. The Core Workshop affords the opportunity to study representative cores of the major producing reservoirs in Alabama, including the Norphlet, Smackover and Tuscaloosa from the Coastal Plain and Lewis and Carter from the Black Warrior Basin.

The Conference program, field trips, and core workshop provide an excellent opportunity for petroleum geologists to become familiar with Alabama surface and subsurface geology, the characteristics of the various petroleum provinces of Alabama and their respective producing horizons, and the future petroleum potential of the state. Interested participants please detach and submit registration blank before March 31, 1981.

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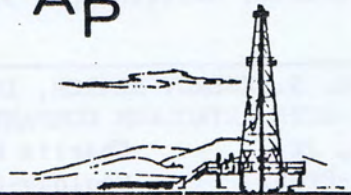
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** Frederic F. Mellen
Mellen Geological Assoc.
702-6 Standard Life Bldg.
Jackson, MS 39201

3509

-CALENDAR-

- Feb. 10 - M.G.S. NOON MEETING
Capital City Petroleum
Club, Smackover Room
- Feb. 16 - JACKSON GEOPHYSICAL SOCIETY
Primos Northgate
5:30 P.M.
- Feb. 18 - SOCIETY OF PROFESSIONAL
WELL LOG ANALYSTS,
Capital City Petroleum
Club, Smackover Room
Noon
- March 18-20 - GSA, SOUTHEASTERN SECTION
MEETING
Univ. of Southern Miss.
Hattiesburg, MS
- April 28-29 - CONFERENCE ON THE PETRO-
LEUM GEOLOGY OF ALABAMA
Univ. of Alabama
Tuscaloosa, AL

M
G
S

NEWS-BULLETIN

VOLUME XXVIII, NO. 6, MARCH, 1981



M.G.S. NOON MEETING

The Noon Meeting of the Mississippi Geological Society will be held on Tuesday, March 10, in the Smackover Room of the Capital City Petroleum Club.

This month's presentation is entitled, "Structural Evaluation of Selected Areas in Mississippi Utilizing Landsat Imagery." The authors are Tsean-Shu-P. Lee and Velon H. Minshew of the Mississippi Mineral Resource Institute.

Please phone your reservations in to T. C. Rader (969-3286) by noon, Monday, March 9. The meeting will cost \$7.00.

MISSISSIPPI GEOLOGICAL SOCIETY

MISSISSIPPI GEOLOGICAL SOCIETY

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STRUCTURAL EVALUATION OF SELECTED AREAS
IN MISSISSIPPI UTILIZING LATEST IMAGERY

James S. Y. Lee and Victor H. Mitchell

Mississippi Mineral Resources Institute

ABSTRACT

This study was initiated by the Mississippi Mineral Resources Institute (MMRI) to evaluate the application of remote sensing technology to structurally complex, poorly understood areas. A study area composed of the structural coastal zone and portions of the Gulf of Mexico was selected. The study area was divided into several sub-areas. Geological and structural information was obtained from a variety of sources including topographic maps, aerial photographs, and satellite imagery. The structural features were identified and mapped. The results of the study are presented in this report. The study has been completed, but the final report has not yet been prepared. The study was conducted in the Gulf of Mexico area. The study area was divided into several sub-areas. Geological and structural information was obtained from a variety of sources including topographic maps, aerial photographs, and satellite imagery. The structural features were identified and mapped. The results of the study are presented in this report. The study has been completed, but the final report has not yet been prepared. The study was conducted in the Gulf of Mexico area.



STRUCTURAL EVALUATION OF SELECTED AREAS
IN MISSISSIPPI UTILIZING LANDSAT IMAGERY

Tsean-Shu-P. Lee and Velon H. Minshew

Mississippi Mineral Resource Institute

ABSTRACT

This study was initiated by the Mississippi Mineral Resource Institute (MMRI) to evaluate the application of remote sensing technology to structurally complex, poorly understood areas. A study area composed of the Mississippi coastal zone and portions of the Mississippi Salt Embayment was chosen because it exhibits restricted geological and structural control, subsurface information is incomplete and structurally the area is of great interest to petroleum explorationists. Many of the numerous salt domes, complex fault systems, and other structural features which characterize the area have been documented; however, prior to the study, no detailed structural mapping of the area has been done.

Density slicing techniques were used to visually interpret structural features from unenhanced landsat positive film transparencies. Interpreted lineaments and other features were mapped at 1 to 250,000, 1-125,000, and 1 - 62,500 scales and manually transferred to base maps. Structural overlays were then prepared for use with topographic quadrangle and subsurface maps. These interpreted lineaments and other anomalies were then compared to known structural information of area derived from more traditional methodologies.

Based on this comparison, most of the known salt domes and other anomalies and many known faults or portions of these faults can be identified on landsat imagery. Where other types of

data are available, they should be used to enhance and verify landsat image interpretations. If, however, such data are not available, analysis of landsat imagery can, of itself, provide valuable insights into regional tectonic patterns.

CONTINUING EDUCATION PROGRAM
Preliminary Report

Sometime in late April or May your Society will sponsor a day-long continuing education program on Seismic Stratigraphy. The agenda will include at least two speakers, probably Robert Sheriff, Hunter Yarborough, Norman Niedell, or L. F. Brown, Jr., as well as narrated tapes and slide programs. Topics will include:

- *What geologists need to know about reprocessing
- *Facies modeling from seismic data.
- *Amplitude anomalies and seismic gas detection
- *Stra-seismic enhancement from well logs.
- *and many others.

Costs to MGS members will be in the neighborhood of \$30.00 for the day-long session, or \$20.00 for either the a.m. or p.m. program. The meeting will be held in downtown Jackson. Details will follow in your next bulletin.

MAY BAR-B-QUE

The Spring barbeque is currently being organized. GEO-TEC will again sponsor the event this year.

NEW MEMBERS

- MANECK G. CHICHGAR - Marathon Oil Company, Houston, Texas
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- WILLIAM D. EASOM - Florida Exploration, Jackson, Mississippi
- RICHARD A. EDMUND - Amoco Production Company, New Orleans, Louisiana
- JOHN D. MYERS - Callon Petroleum Company, Natchez, Mississippi
- GUIDO M. PIGGOTT - Consultant, Natchez, Mississippi

SPRING FLING UPDATE

The MGS Spring Fling will be held on April 10th at Fowler Lodge. The Society would like to thank the sponsor of this year's shrimp and crawfish boil, SOUTHERN MUD LOGGING, West Monroe, LA. In order to facilitate planning the logistics of the boil, reservations must be made prior to boil by those wishing to attend. Complete details will be furnished by newsletter or in the next issue of the NEWS-BULLETIN.

AAPG ANNUAL CONVENTION

From May 31-June 3, the Northern California Geological Society and the Pacific Sections of the AAPG-SEPM-SEG will host one of the largest and most productive meetings in the AAPG's history. The late spring date will be convenient for many members and their families to come to the convention and visit everybody's favorite city.

Headquarters for the Convention will be downtown in the Civic Auditorium, with exhibits in the adjoining Brooks Hall. Headquarters Hotel will be the spacious San Francisco Hilton with other assigned hotels in the downtown/Union Square district, Nob Hill, and several smaller properties near the Auditorium.

PHOTO DIRECTORY ADS

The New MGS Photo Directory is planned to be completed for the April, 1981 meeting.

Ads are still available in the directory as follows:

1/4 page - \$ 30.00
1/2 page - \$ 50.00
1 page - \$100.00

Professional cards will be accepted for 1/4 page ads. If you wish to participate please contact: Vicki Livingston, Mississippi Geological Society, 1088 Deposit Guaranty Plaza, Jackson, MS 39201 (601) 944-0120 or (800) 647-6468.

To have your ad published in the photo-directory, you must respond by March 10th.

Mississippi Geological Society
PUBLICATIONS LIST

6-1-80

MAPS AND PRODUCTION DATA FOR OIL AND GAS FIELDS

1. Wilcox Files of Southwest Mississippi, 171 fields, 350 pp..... \$20.00
MESOZOIC-PALEOZOIC FIELDS OF MISSISSIPPI AND ALABAMA
2. Vol. I, 1957, 57 fields, 154 pp., 2 composite logs, clothbound..... \$ 5.00
3. Vol. II, 1963, 77 fields, 143 pp., 3 ring binder (Includes Supplement I).... \$10.00
4. Supplements 2 through 7 for Vol. II..... \$10.00
5. Supplements 6 & 7 (1972) for Vol. II..... \$ 5.00
6. Supplement 8 (1980) for Vol. II..... \$35.00
7. Vol. I & II, with all supplements (1 through 8)..... \$60.00
FIELD TRIP GUIDE BOOKS
8. Fourteenth Field Trip - Upper Cretaceous of Northeast Mississippi and West
Central Alabama, May, 1959, 29 pp., illustrated with road log..... \$ 4.00

9.	Fifteenth Field Trip - Cenozoic of Southeastern Mississippi and Southwestern Alabama, May 1960, 52 pp., illustrated with road log.....	\$ 4.00
10.	Sixteenth Field Trip - The Paleozoics of Northwest Arkansas, Magnet Cove, Arkansas Valley, Ouachita Mountains, Ozark Highlands, May, 1962, 48 pp., illustrated with road log and correlation chart.....	\$ 7.00
11.	Seventeenth Field Trip - Mississippi Rocks of the Black Warrior Basin, April, 1978 (includes significant gas field studies).....	\$10.00
OTHERS		
12.	Mesozoic Composite Log of South Mississippi and South Alabama, October, 1957.....	\$ 2.00
13.	Paleozoic Composite Log of Black Warrior Basin, Mississippi and Alabama....	\$ 2.00
14.	Paleozoic X-Sections—Black Warrior Basin, 5 Sections.....	\$10.00
15.	Nine Jurassic Stratigraphic X-Sections (Miss., Ala., & N. W. Fla.)...(Set)	\$ 50.00
16.	Photodirectory 1977-78.....	\$ 5.00

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In order to accommodate those persons seeking GCAGS publications, a select number of the *Transactions*, maps, indices and bibliographies will be offered at GREATLY REDUCED rates during the period December 1, 1980 through June 30, 1981. Substantial discounts have been approved for Volumes 2, 3, 4, 10, 11, 17, 18, 19, 20, 21 and 22 as well as the Comprehensive Index, Bibliography volumes, Faults of South and Central Texas Map, and the Bathymetry Map of the Gulf of Mexico. To take advantage of these savings, your order must be placed on this special form and postmarked no later than June 30, 1981.

To facilitate your order, GCAGS will accept either Visa or Master Card in addition to checks for payment of all orders.

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Bibliography of Gulf Coast Geology (1976) Volume 3 (special edition for 1969-74)	6.50	2.50
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Fault and Salt Map of South Louisiana 52" x 106" edited by W.E. Wallace, Jr. (1966)	20.00 (rolled)	
Faults of South and Central Texas, Map compiled by Delos R. Tucker (1967)	1.50	.75
Bathymetry of the Gulf of Mexico, Map by Elazar Uchupi (1967)	1.50	.75
Lower Wilcox Map reprinted	1.50	
NEW PUBLICATION SERIES (December 1980)		
Readings in Gulf Coast Geology.		
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ANNUAL CONVENTION
SAN FRANCISCO, CALIFORNIA
MAY 31 - JUNE 3, 1981

If you are planning on attending the convention in San Francisco, you should consider the savings by flying as a group. At present rates, a round trip tourist ticket cost \$626.00. By flying as a group a round trip tourist ticket costs \$438.00, a savings of \$188.00 per ticket.

To qualify for group rates the following stipulations must be met:

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TNRIS/NOAA CONFERENCE ANNOUNCEMENT

On April 28-29, the Texas Natural Resources Information System (TNRIS) and the National Oceanic and Atmospheric Administration (NOAA), with support from the National Aeronautics and Space Administration, the National Governor's Association/Council of State Planning Agencies, and the National Conference of State Legislatures, will sponsor a conference on the development of an operational land remote sensing satellite system for the 1980's and beyond. The objective of the conference is to help establish a dialog between NOAA, which has been given new responsibilities for operation of the system, and non-federal Landsat data users. The states in this conference region include Texas, Oklahoma, Arkansas, Louisiana, Mississippi, New Mexico, Kansas, Nebraska, Colorado, North Dakota, South Dakota, Iowa, and Minnesota.

The conference will be held at the Sheraton Crest Inn, Austin, Texas. Registration fee is \$25. For additional information contact LaVerne Willis, Sam McCulloch, or Charles Palmer of the TNRIS staff: Phone (512) 475-3321.

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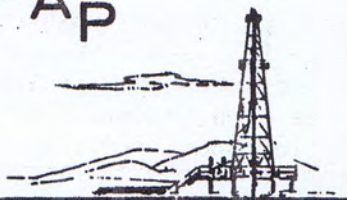
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-CALENDAR-

- March 10 - M.G.S. NOON MEETING
Capital City Petroleum
Club, Smackover Room
- March 16 - JACKSON GEOPHYSICAL SOCIETY
Primos Northgate
5:30 P.M.
- March 18-20 - GSA, SOUTHEASTERN SECTION
MEETING
Univ. of Southern Miss.
Hattiesburg, MS
- April 10 - M.G.S. SPRING FLING
- April 28-29 - CONFERENCE ON THE PETROLEUM
GEOLOGY OF ALABAMA
Univ. of Alabama
Tuscaloosa, Alabama
- May 31-June 3 - AAPG-SEPM ANNUAL CONVENTION
San Francisco, CA

NEWS

BULLETIN

mississippi geological society



VOLUME XXVIII, NO. 7, APRIL, 1981



SPRING FLING
APRIL 10, 1981
FOWLER LODGE

The MGS Spring Fling will be held on April 10th at the Fowler Lodge. This year's shrimp and crawfish boil, sponsored by SOUTHERN MUD LOGGING, is free. The boil is only open to MGS Members and their spouses or dates - no guests. Members wishing to attend must make reservations. Reservations will be accepted until 4 pm Wednesday, April 8. Don't delay, call T. C. Rader 601-969-3286 or Marshall Kern 601-944-0207.

Menu: Shrimp
Crawfish
New Potatoes
T.C. Rader's special sauce

Time: Quaffing at 6:30 pm (beer and
soft drinks)
Feasting at 7:00 pm
Music by Jerry Puckett
Door Prizes

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SEISMIC STRATIGRAPHY SYMPOSIUM

Jackson, MS

A day-long symposium on seismic stratigraphy is scheduled for May 12.

The Continuing Education Committee of the Mississippi Geological Society will host Dr. Robert Sheriff and Dr. Norman Neidell for lectures and slide programs on:

- *What Geologists need to know about reprocessing.
- *Facies modeling from seismic data.
- *Amplitude anomalies and seismic detection of hydrocarbons.
- *Strat-seismic enhancement from well logs

Costs to Mississippi Geological Society and Jackson Geological Society members will be \$40 for both speakers, or \$25 for either the a.m. or p.m. program. Short course notes and refreshments are included in the price of the symposium. The morning feature will begin at 8:30. The afternoon program will begin at 1:30. Both sessions will be held in the Smackover Room, Capital City Petroleum Club.

Both speakers are distinguished lecturers in their field and present informative programs that are a pleasure to listen to.

The nature and content of the presentations will have specific application from the shallow coastal Miocene play through the deep basin Jurassic trends.

Please make prior reservations with T. C. Rader (969-3286) or Larry Baria (354-3776), if you plan to attend the full symposium or any part, before May 10.

Lawrence R. Baria,
Chairman
Mississippi Geological
Society
Continuing Education
Committee

A.A.P.G. - SEPM
ANNUAL CONVENTION
SAN FRANCISCO, CALIFORNIA
MAY 31 - JUNE 3, 1981

If you are planning on attending the convention in San Francisco, you should consider the savings by flying as a group. At present rates, a round trip tourist ticket cost \$626.00. By flying as a group a round trip tourist ticket costs \$438.00, a savings of \$188.00 per ticket.

To qualify for group rates the following stipulations must be met:

- * Minimum of ten (10) passengers
- * List of passenger names must be finalized thirty (30) days before departure
- * Tickets must be issued twenty-one (21) days before departure
- * For cancellation or changes within seven (7) days of departure there is a 10% cancellation fee
- * Passengers must depart as a group, date of return is left up to individual passenger's

If you have questions or wish to make reservations, contact
KAREN FRASCOGNA - RIGHTWAY TRAVEL AGENCY 969-1511.

*AIR PASSENGER RATES ARE SUBJECT TO CHANGE.

SEPM, GULF COAST SECTION
SPRING FIELD TRIP

THE QUEEN CITY FORMATION IN THE EAST TEXAS
EMBAYMENT: A DEPOSITIONAL RECORD OF REVERINE,
TIDAL AND WAVE INTERACTION.

April 25-26, 1981

Leaders: Dr. Robert Morton, Bureau of Economic
Geology, University of Texas at
Austin and Dr. Dag Nummedal, Louisi-
ana State University, Baton Rouge,
Louisiana.

By popular demand, this is a rerun of the
1980 Field Trip led by Dr. David K. Hobday.

The trip will illustrate tidal bar, flood
tidal delta, back barrier, washover channel,
tidal flat, and transgressive marine environ-
ments. There also will be an informal evening
technical session on April 25 with presenta-
tions on modern tidal flats and flood tidal
deltas, the nature of the subsurface Queen City,
and seismic recognition of clastic facies.

The trip will be limited to 90 persons. The
fee will be \$70 and will include transportation,
two lunches, an evening buffet supper on Satur-
day, and a guidebook. Transportation on the
field trip will be by bus only. For reasons of
safety, no private vehicles can be permitted on
the field trip.

Field trip headquarters will be at the Holi-
day Inn on I-20, Longview, Texas.

For details please contact:

Ted Karmen
Amoco Production Company
Post Office Box 50879
New Orleans, Louisiana 70150
504-586-6759

MISSISSIPPI GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETING

February 26, 1981

Meeting Place: Capital City Petroleum Club,
Library

Members Present: Marshall Kern, Simeon King,
John Marble, Phillip Gunter,
Bob Scneeflock, Larry Baria,
Justin Devery, Kipp Ferns

Meeting was called to order at 2:00 p.m.
Minutes of January 23, 1981 were read and approved.

A letter will be sent to potential advertizers in the photo directory.

Southern Mudloggers, Monroe, Louisiana, will sponsor the Spring Fling on April 10, 1981.

Geotec will sponsor the spring Bar-B-Que in May.

Larry Baria reported that a continuing education program on seismic stratigraphy will be offered this spring. Cost will be approximately \$25.00 for all day and \$15.00 for 1/2 day session. All day session will be from 8:30 to 4:30. Date to be determined.

A nominating committee was named with Les Aultman as chairman. Members are: Kipp Ferns, Bob Scneeflock, Larry Baria. Pictures and candidate information will appear in the May Bulletin.

Seven (7) new members were approved.

Meeting adjourned at 2:35 p.m.

Phillip Gunter
Secretary

Mississippi Geological Society
PUBLICATIONS LIST

6-1-80

MAPS AND PRODUCTION DATA FOR OIL AND GAS FIELDS

1. Wilcox Files of Southwest Mississippi, 171 fields, 350 pp..... \$20.00
- MESOZOIC-PALEOZOIC FIELDS OF MISSISSIPPI AND ALABAMA
2. Vol. I, 1957, 57 fields, 154 pp., 2 composite logs, clothbound..... \$ 5.00
3. Vol. II, 1963, 77 fields, 143 pp., 3 ring binder (Includes Supplement I)... \$10.00
4. Supplements 2 through 7 for Vol. II..... \$10.00
5. Supplements 6 & 7 (1972) for Vol. II..... \$ 5.00
6. Supplement B (1980) for Vol. II..... \$35.00
7. Vol. I & II, with all supplements (1 through 8)..... \$60.00

FIELD TRIP GUIDE BOOKS

8. Fourteenth Field Trip - Upper Cretaceous of Northeast Mississippi and West Central Alabama, May, 1959, 29 pp., illustrated with road log..... \$ 4.00
9. Fifteenth Field Trip - Cenozoic of Southeastern Mississippi and Southwestern Alabama, May 1960, 52 pp., illustrated with road log..... \$ 4.00
10. Sixteenth Field Trip - The Paleozoics of Northwest Arkansas, Magnet Cove, Arkansas Valley, Ouachita Mountains, Ozark Highlands, May, 1962, 48 pp., illustrated with road log and correlation chart..... \$ 7.00
11. Seventeenth Field Trip - Mississippi Rocks of the Black Warrior Basin, April, 1978 (includes significant gas field studies)..... \$10.00

OTHERS

12. Mesozoic Composite Log of South Mississippi and South Alabama, October, 1957..... \$ 2.00
13. Paleozoic Composite Log of Black Warrior Basin, Mississippi and Alabama... \$ 2.00
14. Paleozoic X-Sections—Black Warrior Basin, 5 Sections..... \$10.00
15. Nine Jurassic Stratigraphic X-Sections (Miss., Ala., & N. W. Fla.)... (Set) \$ 50.00
16. Photodirectory 1977-78..... \$ 5.00

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**1981 GCAGS-SEPM CONVENTION
EARLY HOUSING REGISTRATION**

**CORPUS CHRISTI, TEXAS
OCTOBER 21-23**

The Corpus Christi Geological Society will host the 1981 G.C.A.G.S. Convention on October 21-23, 1981. If you plan to attend, this early housing form will permit you to select the housing of your choice.

NAME _____ PHONE () _____
 FIRM _____
 ADDRESS _____ CITY _____ STATE _____ ZIP _____
 GCAGS _____ SEPM _____ EXHIBITOR _____ GUEST _____ STUDENT _____

CIRCLE DATE DESIRED OVERNIGHT ACCOMMODATIONS:
 Tue., Oct. 20, Wed., Oct. 21, Thurs., Oct. 22, Fri., Oct. 23

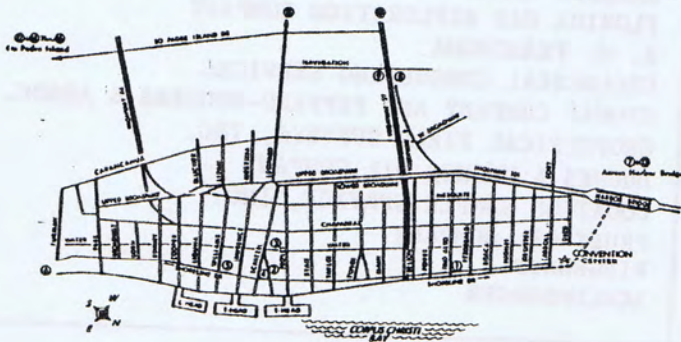
ARRIVAL DATE _____ AM _____ PM
 DEPARTURE DATE _____ AM _____ PM

NAMES OF ADDITIONAL OCCUPANTS: _____

HOTEL PREFERENCE:
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	Single	Double	Choice
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MAIL TO: GCAGS-SEPM HOUSING/430 WILSON BLDG./CORPUS CHRISTI, TX. - 78476-



MISSISSIPPI GEOLOGICAL SOCIETY
BOARD OF DIRECTORS MEETING

January 23, 1981

Meeting Place: Capital City Petroleum Club,
Library

Members Present: Marshall Kern, Simeon King,
John Marble, Justin Devery,
Phillip Gunter

Meeting was called to order at 1:30 p.m.
Minutes of December 30, 1980, were read and
approved.

A motion was made and passed to purchase a
booth at the GSA Convention in Hattiesburg for
the purpose of publication sales.

It was decided that no booth would be rented
in San Francisco for the National A.A.P.G.
Convention.

A nominating committee will be named for the
1981-82 sale of officers.

Four (4) new members were approved.

Meeting adjourned at 2:10 p.m.

Phillip Gunter
Secretary

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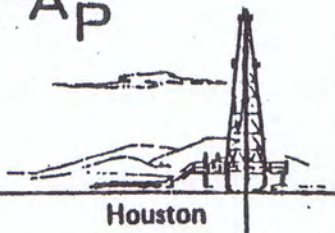
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BETTER

Prints & Copies:

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Mellen Geological Assoc.
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Jackson, MS 39201

CALENDAR

- April 10 - MGS SPRING FLING
Fowler Lodge
- April 20 - JACKSON GEOPHYSICAL SOCIETY
Primos Northgate 5:30 PM
- April 25-26 - SEPM, GULF COAST SECTION
Spring Field Trip
Longview, Texas
- April 28-29 - CONFERENCE ON THE PETROLEUM
GEOLOGY OF ALABAMA
University of Alabama
Tuscaloosa, Alabama
- May 12 - SEISMIC STRATIGRAPHY
Continuing Education
Capital City Petroluem Club
Smackover Room
Jackson, Mississippi
- May 13-June 3 -AAPG-SEPM ANNUAL CONVENTION
San Francisco, California

NEWS

BULLETIN

mississippi geological society



VOLUME XXVIII, NO. 8, MAY, 1981



MGS
SPRING BARBEQUE
&
ELECTION

FOWLER LODGE

MAY 26, 1981

MISSISSIPPI GEOLOGICAL SOCIETY

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G.C.A.G.S. - SARAH CHILDRESS- FOREST

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KIPP FERNS - -AMER.NAT.RES.
VERN CULBERSON- -INDEPENDENT

MGS SPRING BARBEQUE & ELECTION

The annual MGS Spring Barbeque will be held on Tuesday, May 26th at Fowler Lodge. This year's barbeque is sponsored by GEOTEC, INCORPORATED, from Harahan, LA. Society members will be admitted to the barbeque free, while non-members will be charged \$10.00. Doors will open at 4:30 p.m. with dinner served at 6:30 p.m. There will be beer and a bar as well as door prizes. The menu includes smoked suasaage, ham & beef cooked on Halliburton's barbeque wagon.

The election of MGS officers for 1981-82 will be held during the barbeque. A slate of candidates is presented in this issue of the bulletin. A brief biography of each candidate is also given. If you will be unable to attend the meeting, an absentee ballot is included in the bulletin. Please fill it out and mail it prior to May 26th to: Phillip Gunter, Mississippi Geological Society, P. O. Box 422, Jackson, MS 39205.

Please phone your reservations in to T. C. Rader (969-3286) by noon, Monday, May 25th. T.C. could also use two volunteers the morning of the barbeque and 4 more to help clean-up after the festivities. So those with altruist spirits, call T. C. to offer your services.

The Society would like to thank both Southern Mudlogging for sponsoring the Spring Fling and Roger Dickerson of Dresser Atlas for hot-shotting the shrimp and crawfish in from the Gulf.

Lawrence F. Boland Memorial Scholarship Fund

First Annual Report 1980 - 81 Fiscal Year

Board of Directors: Stephen M. Oivanki, Chairman
William H. Moore, Secretary
Jerry E. Zoble, Treasurer
Marshall K. Kern
H. Vaughan Watkins, Jr.

Total Contributions	\$12,300.00
Savings Account Interest	<u>\$ 123.00</u>
TOTAL INCOME	\$12,423.00

Money Market Certificate(3-20-81) \$11,769.33

Savings Account Balance(4-24-81) \$ 653.67

We would like to thank the following individuals and organizations who contributed to the Scholarship Fund during the past year:

Homer Best, Jr.	M. E. Trowbridge
Pat Boland	Larry E. Walter
David Brooks	H. Vaughan Watkins, Jr.
Browning and Welsh	Jerry E. Zoble
James L. Cummings, Jr.	
Desk and Derrick of Jackson	
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Mississippi Geological Society	
Stephen M. Oivanki	
Julius M. Ridgway	
Harry Spooner	

SEISMIC STRATIGRAPHY SYMPOSIUM

Jackson, MS

A day-long symposium on seismic stratigraphy is scheduled for May 12.

The Continuing Education Committee of the Mississippi Geological Society will host Dr. Robert Sheriff and Dr. Norman Neidell for lectures and slide programs on:

- *What Geologists need to know about reprocessing.
- *Facies modeling from seismic data.
- *Amplitude anomalies and seismic detection of hydrocarbons.
- *Strat-seismic enhancement from well logs

Costs to Mississippi Geological Society and Jackson Geological Society members will be \$40 for both speakers, or \$25 for either the a.m. or p.m. program. Short course notes and refreshments are included in the price of the symposium. The morning feature will begin at 8:30. The afternoon program will begin at 1:30. Both sessions will be held in the Smackover Room, Capital City Petroleum Club.

Both speakers are distinguished lecturers in their field and present informative programs that are a pleasure to listen to.

The nature and content of the presentations will have specific application from the shallow coastal Miocene play through the deep basin Jurassic trends.

Please make prior reservations with T. C. Rader (969-3286) or Larry Baria (354-3776), if you plan to attend the full symposium or any part, before May 10.

Lawrence R. Baria,
Chairman
Mississippi Geological
Society
Continuing Education
Committee

NOTICE

SPWLA MEETING

Capital City Petroleum Club
Smackover Room
Wednesday, May 20, 1981

NOON
(Luncheon, \$7.00)

TOPIC: The Determination of Porosity in Sand-
stones and Shaly Sandstones

SPEAKER: J. G. Patchett
Amoco Research Lab
Tulsa, Oklahoma

In order that adequate seating can be arrang-
ed for this initial meeting, please RSVP to:

Morton E. Wakeland, Jr.
Grace Petroleum Corporation
P. O. Box 22928
Jackson, Mississippi 39205
Phone: 969-3337

THE DETERMINATION OF POROSITY IN SANDSTONES
AND SHALY SANDSTONES

By
J. G. Patchett and E. B. Coalson

ABSTRACT

The complex mineralogy of some sandstones and shaly sandstones can make the accurate determination of porosity from logs difficult, if not impossible. The solution of this problem can require either petrophysical data often not available or logging measurements that are not developed or at least not routinely currently available. Petrophysical data obtained from cores are subject to errors in measurements and sampling. Even in quartz sandstones, systematic errors in logging measurements can make consistently reliable porosity calculations impossible without careful verification of log response. As an example, significant errors are present in a large minority of density logs.

This report includes examples, obtained during field studies, of the results of log quality surveillance. In some of these investigations, porosity measured from cores was also seriously in error, making the verification of the quality control effort difficult.

NEW AAPG DELEGATES

Gerald W. Kinsley and Chester K. Ferns (alternate) have been elected AAPG Delegates. Their terms will run from July 1, 1981, to June 30, 1984.

1981 GCAGS-SEPM CONVENTION EARLY HOUSING REGISTRATION

CORPUS CHRISTI, TEXAS
OCTOBER 21-23

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ARRIVAL DATE _____ AM _____ PM _____

DEPARTURE DATE _____ AM _____ PM _____

NAMES OF ADDITIONAL OCCUPANTS: _____

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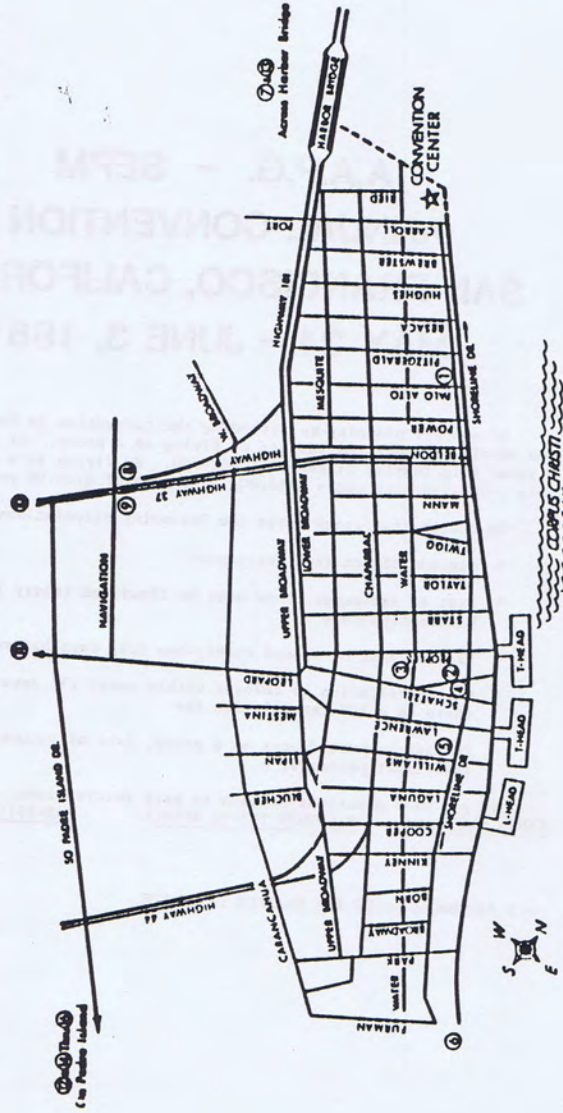
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ABSENTEE BALLOT

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Election of Officers, 1981 - 82

For 1st Vice President:

_____ Kipp Ferns _____ Buddy Twiner

For 2nd Vice President:

_____ Don Turner _____ Charlie Williams

For Secretary:

_____ Richard Ingram _____ John Marble

For Treasurer:

_____ Greg Halvatzis _____ Frank Johnson

If you cannot attend the election at the Spring Bar-B-Que on May 26th, please mark your choices on this ballot and return it as soon as possible to:

Secretary
Mississippi Geological Society
P. O. Box 422
Jackson, MS 39205

Please put the word BALLOT on the outside of the envelope.

Note: This ballot is for absentee voting only. Regular election ballots will be distributed at the Bar-B-Que.

SIGNATURE

Kipp Ferns
(1st Vice President)

Academic Training:

1952 University of Missouri, B.S. (Rolla)

Experience:

1953-1980 Cities Service Company

1980 - ANR Production Company

Professional Affiliations:

Mississippi Geological Society, AAPG

Professional Activities:

Red Book Committee, Chairman 1979-81

Phoot Directory Committee 1980-81

Buddy Twiner
(1st Vice President)

Academic Training:

1960 Mississippi State University, B.S.

Experience:

1963-68 Chevron Oil Company

1968-72 Skelly Oil Company

1972-74 Union Oil Company

1974-79 Florida Gas

1979-79 Grace Petroleum

1979 - Petroleum Resources (President)

Professional Affiliations:

Mississippi Geological Society, AAPG,

Jackson Geophysical Society

Professional Activities:

Potential Gas Committee, AAPG Membership

Committee, Treasurer, Sec., V.P. Mississ-

ippi Geological Society, Red Book Committee

Jurassic Cross Section Committee

MISSISSIPPI GEOLOGICAL SOCIETY

1981 - 1982

FIRST VICE PRESIDENT



Kipp Ferns
ANR Production Co.



Buddy Twiner
Petroleum Resources

SECRETARY



Richard Ingram
Consulting Geologist



John Marble
Forest Oil Co.

Don Turner
(2nd Vice President)

Academic Training:

1970 University of Wisconsin B.S. (Oshkosh)
1972 University of Wisconsin M.S. (Milwaukee)

Experience:

1972 - Union Oil Company

Professional Affiliations:

Mississippi Geological Society, AAPG, SPWLA

Professional Activities:

Treasurer, Mississippi Geological Society 1977-
1978, Red Book Committee 1979-80,
Continuing Education Chairman, 1978-79

Charlie Williams
(2nd Vice President)

Academic Training:

1955 Millsaps College B.S.
1955-56 University of Texas, Graduate Study

Experience:

1956-66 Monsanto Company
1966-69 Mississippi Geological Survey
1969-70 Independent Geologist
1970 - Mid Continent Oil and Gas Assoc.

Professional Affiliations:

Mississippi Geological Society, AAPG,
Mississippi Association Petroleum Landman,
Mid Continent Association, ASAE

Professional Activities:

2nd V.P. Mississippi Geological Society
AAPG Cross Section Committee
Red Book Committee, Editor - Wilcox Fields,
Convention Chairman, GCAGS 1975,
President, Petroleum Club

CANDIDATES FOR OFFICE

1981 - 1982

SECOND VICE PRESIDENT



Don Turner
Union Oil Co.

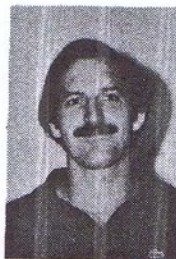


Charlie Williams
Mid Continent

TREASURER



Greg Halvatzis
Whitmar Exploration



Frank Johnson
Inexco

Richard Ingram
(Secretary)

Academic Training:

1975 Belhaven College B.S.
1977 Millsaps College B.S.

Experience:

1974-80 Tideway
1980 - Consulting Geologist

Professional Affiliations:

Mississippi Geological Society, AAPG

Professional Activities:

Program Chairman, Mississippi Geological Society, 1980-81

John Marble
(Secretary)

Academic Training:

1974 Mississippi State University B.S.
University of Southern Mississippi, Graduate Study

Experience:

1974-77 Mississippi Geological Survey
1977-79 Cities Service
1979 - Forest Oil Company

Professional Affiliations:

Mississippi Geological Society

Professional Activities:

Treasurer, Mississippi Geological Society,
1980 - 81

Greg Halvatzis
(Treasurer)

Academic Training:

1973 Waynesburg College B.S.
1975 University of Florida M.S.
1979 Mississippi College MBA

Experience:

1976-81 - Cities Service
1981 - Whitmar Exploration

Professional Affiliations:

Mississippi Geological Society, AAPG, SEPM,
AIPG

Frank Johnson
(Treasurer)

Academic Training:

1973 Tulane B.S.
1975 Mississippi State University M.S.

Experience:

1975-79 Amoco
1979-80 Placid
1980 - Inexco

Professional Affiliations:

Mississippi Geological Society, AAPG

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A three-day short course in URANIUM GEOLOGY AND EXPLORATION is to be offered in Houston, Texas, on June 17-19, 1981, by Dr. Richard H. De Voto of the Colorado School of Mines. The course covers: a) the geochemistry and geology of uranium, b) the mechanisms important in the generation of anomalous uranium concentrations, c) the many geologic environments favorable for the formation of economic and subeconomic uranium deposits, d) the geology and geochemistry of the principal uranium districts of the world, and e) exploration techniques and programs.

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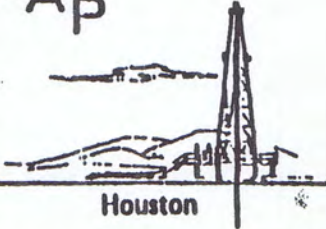
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<p>MORTON M. PHILLIPS, Petroleum Geologist 740 Milner Bldg., Jackson, Miss. 39201 Phone: 355-3364 Phone: 366-9660</p>
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