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PROJECTION	- STEVE OIVANKI	- SHENANDOAH
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AUXILIARY	- MRS. VERNE (SUSAN) CULBERTSON	
GEOPHYSICS	- BRIAN HOULIHAN	- FOREST OIL
PHOTOGRAPHY	- SARAH CHILDRESS	- ENSERCH EXPL.
IND. PROGRESS	- MICKEY MCGUIRE	- CHEVRON OIL

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BUDDY TWINER	- FLORIDA GAS
VERNE CULBERTSON	- INDEPENDENT
VAUGHN WATKINS	- MIDROC-WATKINS
RICK ERICKSEN	- PRUET OIL



- PRESIDENT'S NOTES -

Welcome to a new year! The Mississippi Geological Society and the Geological Community enter another year that promises to be as exciting and fast-paced as the previous year.

With membership growing daily and the exceptional period of leadership and growth experienced by our Society this past year under the extremely capable and energetic leadership of SARAH CHILDRESS, we look forward to the year ahead with great expectations.

The Board of Directors of the Society has set the major thrust of 1978 - 1979 on updating the Red Book. This will be a major effort and will require the support (literally and figuratively) of the entire membership.

As most of you are aware, and have pointed out on numerous occasions, the Red Book has not been updated since 1972 and is becoming woefully outdated.

We have set our goals high and would like to add fifty fields to the Red Book this year. This will require a monumental task by all concerned.

If approached by a member of the committee, please cooperate if at all possible; even though all are busy those unselfish people are also wearing two hats and need your help.

The members of this important committee are: BUDDY TWINER, VERNE CULBERTSON, VAUGHN WATKINS, and RICK ERICKSEN.

We look forward to seeing all of you at the BARBEQUE, Sept. 19, at Fowler Lodge with T. C. RADER and DADDY-O-PHILLIPS presiding as usual. Also we encourage everyone to get their reservations for GCAGS early, as nearby hotel space will very likely be scarce at Convention time.

- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
May 22, 1978

Present: SARAH CHILDRESS, LES AULTMAN, and DON TURNER.

Finance: TURNER reported that the Society had \$960 in the checking account and that Trailways owed the Society \$376 for refund from Field Trip.

Publications: A decision was made to wait until Fall to print more M.G.S. publication lists.

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- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
June 19, 1978

Present: LES AULTMAN, SARAH CHILDRESS, PHIL COOK, PHILIP REEVES, JIM SMITH, SIMEON KING, and BILL MCGEE.

Committees: AULTMAN announced the following Chair People:

Bulletin - SIMEON KING  
Continuing Education - LARRY BARIA  
Entertainment - T. C. RADER  
GCAGS Representative - SARAH CHILDRESS  
Program - HARRY SPOONER  
Publications - JIM SMITH  
Publicity - PHILIP REEVES

Publications: AULTMAN announced M.G.S. special 1978 - 1979 goal as completing a new Field supplement to the Mesozoic and Paleozoic Oil and Gas Fields (Red Book) volume. Committee as follows: VERNE CULBERTSON, BUDDY TWINER, VAUGHN WATKINS, RICK ERICKSEN (JIM SMITH - ex officio).



Advertisement: Board unanimously approved increasing the current rate by 20% to offset the past 6 years spiral of increased printing and mailing costs of the bulletin.

G.C.A.G.S.: M. G. S. advertisement and lists of new officers have been provided for the transactions.

Finances: Outstanding \$225, Accounts Receivable \$325, Operating Balance \$422.

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- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
July 25, 1978

Present: LES AULTMAN, PHILIP REEVES, JAMES (JIM) SMITH, THOMAS SIWULA, PHIL COOK, SARAH CHILDRESS, and SIMEON KING.

Membership: SIWULA is preparing a more efficient mailing list. Mail out of dues will be from existing list.

G.C.A.G.S.: AULTMAN announced that HARRY SPOONER would be one of the judges at GCAGS.

Field Trip: CHILDRESS agreed to investigate future field trip ventures.

Finance: COOK reported a cash balance of \$503.

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MEMBERSHIP ROLL

TOM SIWULA, Secretary, is in the process of updating the membership roll. Please inform him if you have a change of address. Tom may be contacted at 969-0100.

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NEW OFFICERS ANNOUNCED

--LAFAYETTE GEOLOGICAL SOCIETY

New Officers of the Lafayette Geological Society for the 1978-1979 term are: President, FRANCIS BROUSSARD (Union Texas Petroleum); First Vice-President, TOM EBY (Independent); Second Vice - President, JIM MONTGOMERY (Entex); Secretary, KAREN MCBRIDE (Tenneco); Treasurer, BUD OAKES (Arco); Director, JOHN SCHOELEN (Slapco); Director, PAT HURLEY (Independent).

--SHREVEPORT GEOLOGICAL SOCIETY

New Officers of the Shreveport Geological Society for the 1978-1979 term are; President, L.LEE KINCADE; First Vice-President, ROBERT E. DAIGLE; Second Vice - President, ROBERT L. WILLIAMSON; Secretary, MAX G. HARE; Treasurer, NOLAN G. SHAW.

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G.C.A.G.S. JUDGES

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LESTER AULTMAN, BILL MCGEE and HARRY SPOONER  
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AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS

Officers of the A.A.P.G. for the 1978 - 1979 term are: President, ROBERT D. GUNN; President-Elect, JOHN D. HAUN; Vice-President, THOMAS D. BARBER; Secretary, JOHN H. AMORUSO; Treasurer, GEORGE B. PICHEL; Editor, JOHN W. SHELTON; Chairman, House of Delegates, J. MILLER GOODGER.



JACKSON GEOPHYSICAL SOCIETY  
BARBEQUE, September 26

The J.G.S. will hold its annual PIG ROAST at Fowler Buick Lodge on September 26. There will be a \$2.50 charge for the meal, which will also include beer. Also, the JGS will conduct its annual membership drive at the Pig Roast. Annual dues are \$10. The Pig Roast will begin around 5:00 that afternoon. New Officers for the 1978-1979 term are: President, FRANK BELL; Vice-President, BRIAN HOULIHAN; Secretary/Treasurer, KLYNE HEADLEY.

\*\*\*\*\*

AUXILIARY

The Petroleum Auxiliary will have their Coffee September 12, 1978, at the home of MRS. DAN HERLIHY, 240 Ridge Drive, Jackson, Miss. The hostesses will be the new officers for 1978 - 1979. The newly elected officers are: President, MRS. VERNE (SUSAN) CULBERTSON; First Vice - President, MRS. BILLY (BARBARA) POWELL; Second Vice-President, MRS. JERRY (RUTH) ZOBLE; Secretary, MRS. JEFF (WILMA) TUCKER; Treasurer, MRS. RANDY (SUE) CORE; and Reporter, MRS. PAUL (SANDI) CUMMISKEY.

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G.C.A.G.S. & G.C.S. - S.E.P.M.

The 1978 Convention, hosted by the New Orleans Geological Society, will be October 11-13 in New Orleans. Convention headquarters will be at the Board Room of the Hyatt Regency Hotel. A short course on "Stratigraphic Concepts in Hydrocarbon Exploration" will be conducted Oct. 11 from 8:00 AM - 5:00 PM. Also, several field trips are being offered.

To avoid delays, register in advance. Also, do not delay in making room reservations. The Theme is "New Plays-Old Pays".

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PROGRESS REPORT Continued

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	2	0	3
UK	1	0	1
LK	0	1	4
Jurassic	0	0	2
Paleozoic	0	0	1

ALABAMA

(May)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
UK	0	0	1
Jurassic	0	0	2
Paleozoic	0	1	3

EXPLORATORY FOOTAGE: 43,426'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
UK	3	0	0
Paleozoic	0	1	0

(June)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
UK	0	0	1
Jurassic	0	0	3
Paleozoic	0	0	2

EXPLORATORY FOOTAGE: 49,255'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
UK	1	0	0
Paleozoic	0	3	2

(July)

<u>EXPLORATION</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	1	0	2
Paleozoic	0	1	6

EXPLORATORY FOOTAGE: 65,455'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Paleozoic	1	1	3

FLORIDA

(June)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
LK	0	0	1

EXPLORATORY FOOTAGE: 11,900'

(July)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	1

EXPLORATORY FOOTAGE: 16,205'

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- DISCOVERIES -

Beaverton Field (5-7-78)

Southland Royalty

#1 Strawbridge 33-14

33-12S-15W, Lamar Co., Ala.

Lewis Sd perfs - 2470-72

IP 1793 MCFGPD, 20/64" ck, F.T.P. 725#

West East Fork Field (5-9-78)

Larco Drilling

#1 Crosby, et al 29-8

29-3N-5E, Amite Co., Miss.

East Fork perfs - 11318-326

IP 134 BOPD, 10/64" ck, F.T.P. 400#

South Hamilton Field (5-24-78)

Pruet & Hughes, et al

#1 Owens 3-11

3-16S-18W, Monroe Co., Miss.

Lewis Sd. perfs - 5562-76

IP 264 BO, 317 MCFGPD, 16/64" ck, F.T.P. 300#

South Pisgah Field (5-7-78)

Shell Oil

#1 Hauberg

26-7N-4E, Rankin Co., Miss.

Smackover perfs. - 16150-218

IP 20,500 MCFGPD (99.10 Co<sub>2</sub>)

Adj.Ck., F.T.P. 3566#



PROGRESS REPORT Continued  
-Discoveries-

Dixie Springs Field (6-16-78)

Larco Drilling

#1 Watts

2-4N-7E, Pike Co., Miss.

Johnson Sta. Sp. perfs - 10789-793

Swb. ARO 315 BOPD, 39° gty.

Unnamed Field (6-18-78)

Amax Petroleum

#1 Amax 28-9

28-2N-5E, Simpson Co., Miss.

Sligo perfs - 12308 - 329

IP 82 BOPD, 2BWPD, 18/64" ck.,

FTPIO#, 43.3° gty.

Unnamed Field (6-28-78)

General Crude

#1 I.P.C. 5-10

5- 4S- 12W, Stone Co., Miss.

Hosston perfs - 14584-628

IP 452 MCFGPD, 52BWPD, 16/64" ck.,

FTP360#, CP300#

Knoxo Field (Deep) (6-2-78)

Texaco Inc.

#1 Fernwood Lbr., Unit E

22-2N-12E, Walthall Co., Miss.

Hosston perfs - 16766-784

IP 1200 MCFGPD, 48/64" ck.,

TP325#, CP200#

Chapel Hill Field (7-5-78)

Midrock-Watkins-Placid

#1 Bolinger 26-7

26-11N-3W, Choctaw Co., Ala.

Smackover perfs - 11392-412

IP 413 BOPD, 206MCFGPD, 14/16" ck.,

FTP675#, 36° gty.

Blowhorn Creek Field (7-31-78)

Warrior Drilling

#1 Sizemore 13-13

13-14S-14W, Lamar Co., Ala.

Carter Sd. perfs - 2345-50

IP 1559 MCFGPD, 18/64" ck., FTP 800#

Unnamed Field (7-29-78)

Freedom Oil - V.Smith

#1 Noble

19-9N-1E, Jefferson Co., Miss.

L.Tusc. perfs - 9974-82

IP 60 BOPD, 236MCFGPD, 9/64" ck.,

FTP 750#, 40.2 gty.

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- NEW MEMBERS -

JOHN J. BRUNS, Champlin Petroleum Co., Houston  
WILLIAM F. CAMERON, O'Malley Laboratories, Nat-  
chez

WOODY GRAY, Cazr Resources, Inc., Houston

RICHARD C. HASSINGER, JR., Alabama Drilling Co.  
Inc., Birmingham

HUGH HORN, Independent, McComb

JEFFREY O. LUNDY, Michigan-Wisconsin, Jackson

EDWARD B. MCWILLIAMS, J. M. Huber Corporation,  
Houston

BRUCE A. RAABE, Enserch, Jackson

MELVIN W. TROTTER, Enserch, Jackson

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CLASS AT USM

Paleoclimatology, GLY 600, will be taught at the Hattiesburg campus of the University of Southern Mississippi during the Fall Semester. The class will be on Tuesday evenings from 6:30 to 9:15 from August 30 to December 21. Anyone interested in the course should contact Dr. Oscar L. Paulson, Jr., Chairman of the Geology Department at U.S.M.



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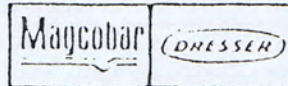
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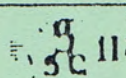
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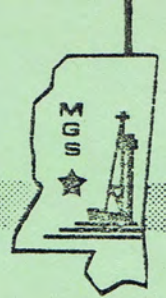
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M.G.S. OCTOBER 3 TOPIC:

VALERIUS TO DISCUSS PALEOZOIC POSSIBILITIES IN UPPER GULF COAST

At the noon meeting of the Mississippi Geological Society on October 3, 1978, Claude N. Valerius will discuss hydrocarbon possibilities in Paleozoic rocks underlying coastal plain sediments of the upper Gulf Coast. Pre-Jurassic rocks are our last frontier in the Gulf Coast. They should and will be explored during the next decade or two. Huge gas fields such as those found beneath the Jurassic in Holland and the North Sea may result from this search. Valerius' paper is a starting point for the hunt. It summarizes the current state of knowledge regarding Paleozoics in the Ark-La-Tex.

Claude Valerius was born in Hoisington, Kansas, the son of M. M. Valerius, one of the founding members of the A.A.P.G. He received a B. S. degree in Mining Geology from the Missouri School of Mines in 1925. From 1925 to 1949 he worked with Twin State Oil Company, Phillips, Amerada, M. M. Valerius Royalty Company, and Barnsdall. From 1949 to the present, he has been a consulting geologist in Shreveport and is president of M. M. Valerius Royalty Company.

Claude is an Honorary Member of the Shreveport Geological Society, a member of the A.A.P.G., a fellow of the G.S.A., and a member of AIME. He has authored papers for the AAPG Bulletin, the Society of Exploration Geophysicists, the G.C.A.G.S., and Shreveport Geological Society.

Reservations are to be called in to T.C. RADER, at 948-4128, no later than noon, Monday, October 2. The meeting will be held in the Capital City Club. The tab will be \$5.00.

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Since the annual GCAGS meeting is October 11-13, the M. G. S. October meeting will be the first Tuesday of the month. Due to the early date of the October M.G.S. meeting, there will not be a newsletter for the month of October.



# NEWS

## BULLETIN

mississippi geological society



VOLUME XXVI, No. 2, NOVEMBER, 1978

MGs NOON MEETING  
November 14, 1978

Steve Collins will present his paper entitled "Cotton Valley and Smackover Producing Reservoirs in East Texas, North Louisiana, South Arkansas Area" at the noon meeting of the Mississippi Geological Society on November 14, 1978. Steve's paper presents a good overall view of the habitat of petroleum in the Jurassic in the mature Ark-La-Tex area. It should be very helpful to those of us exploring the less mature Southeast States province.

Steve obtained his B. S. Degree from Millsaps College in 1955 and his M.S. Degree from the University of Tennessee in 1956. From 1957 until 1964 he worked for Amoco in Tyler, Lubbock, and Ft. Worth, Texas. He was employed by Geomap Company from 1964 to 1966. He became an independent in 1966, and he, together with Sam Allen, formed Dallas Exploration, Inc. Dallas Exploration is involved in drilling activity in the Ark-La-Tex and West Texas, Mississippi and Florida.

The meeting will be in the Petroleum Club. The tab is \$5.00, which includes the meal.

Reservations are to be called in to T. C. R. ER at 948-4128, no later than noon, Monday, November 13.



MISSISSIPPI GEOLOGICAL SOCIETY

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PRESIDENT'S NOTES

I have just returned from GCAGS-1978, as many of you have. Enjoyed the talks and hope that all who attended received the same "recharging" effect.

I felt that the New Orleans Convention was a unique meeting in that practically all attendees were able to stay in the Hyatt, and also all talks and exhibits were housed in the same building.

New Orleans was, and continues to be, a great place to visit. The food and socializing with good friends were great.

It is now time for our Society to get down to "brass tacks" on the Red Book project now that the Convention is over. Someone will very likely be calling on you.

LES AULTMAN

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The Mississippi Geological Survey announces the publication of a geological cross section entitled, "Northeast-Southwest stratigraphic cross section of the Jurassic Sediments, Choctaw County, Alabama, to Clarke County, Mississippi" by Victor N. Fischer.

The cross section is printed in nine colors and is produced on a horizontal scale of one inch equal to one mile. Dimensions of the printed section are twenty - nine inches by fifty - six inches.

This is the third in a series of subsurface sections designed to illustrate the potential for oil and gas reserves believed to be present in stratigraphic traps. The importance of lithologic facies changes are pointed out by this section.

The cross section sells for \$8.00 plus \$1.00 postage and handling (Prepayment required). The cross section can be ordered from:

Mississippi Geological Survey  
P. O. Box 4915  
Jackson, Mississippi 39216

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- HIGHLIGHTS -

M.G.S. BOARD MEETING

August 28, 1978

Present: LES AULTMAN, JIM SMITH, PHILIP REEVES,  
PHIL COOK, SIMEON KING

Membership: SIWULA is in the process of correcting and updating the 1978 - 1979 roll.

Meetings: If possible, monthly meetings will be held at noon in the Smackover Room at the Capital City Petroleum Club. There is better attendance at the noon meetings.

Red Book Committee: AULTMAN announced that JIM SMITH is chairman.

- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
September 25, 1978

Present: LES AULTMAN, JIM SMITH, T. A. SIWULA,  
SIMEON KING

Red Book Committee: SMITH, Chairman, announced that the ultimate goal is to add 50 fields. The addition of 15-25 fields is the immediate goal.

AAPG: REEVES was appointed to secure nominations for a representative to the AAPG House of Delegates. A decision was made to conduct the election locally rather than having National Headquarters conduct it. REEVES will also be in charge of conducting the election.

Meetings: Speakers for noon meetings at the Petroleum Club have been secured for November 14, December 12, and January 9. The February 13 and the March 13 meetings are still open. One of these dates will be filled by an AAPG lecturer. The April meeting is Ladies' Night, and May is the Annual Spring Barbeque.

Students: The Board approved contributing \$20 per student attending the GCAGS Convention (October 11-13, New Orleans). Matching Funds are supplied by the GCAGS. There were 9-10 students approved.

Barbeque: The Fall Barbeque had a record turnout of over 225, paying over \$1200.

Bulletin: KING reported the new ads will be in the November bulletin. Bulk Mail Rate will be used for the November issue to lower mailing costs.



NINTH INTERNATIONAL CONGRESS OF  
CARBONIFEROUS STRATIGRAPHY AND GEOLOGY  
Washington, D.C. and Urbana, Illinois  
May 1979

The Carboniferous Congress is the major world forum on the geology of coal. IX-ICC, 1979, will also emphasize petroleum resources in carboniferous rocks.

IX - ICC features 14 long field trips to the Appalachian coal basins, the Illinois and Black Warrior basins and areas of geologic interest in the western U.S.; 9 short field trips to collecting sites and mines in Illinois and Indiana; 13 major symposia of invited papers; and more than 40 afternoon technical sessions.

The third and final circular of IX-ICC, 1979, is ready for distribution. The circular contains forms for registration, housing, and abstracts, and detailed information about all aspects of the Congress. To receive the circular, write to: IX-ICC, 1979, Museum of Natural History, Washington, D.C., 20560, or call: Dr. Jonathan H. Goodwin, Illinois State Geological Survey, (217) 344-1481; Ronald G. Sears, University of Illinois, (217) 333-2882.

Dr. Mackenzie Gordon, Jr., President  
Dr. Ellis L. Yochelson, Secretary-General  
U.S. Geological Survey, (202) 343-4300

\*\*\*\*\*

A special thanks to CONNER SMITH of Conwood Exploration for his donation of the Roledex File to the Society.

WELCOME NEW MEMBERS

PHILLIP S. AHLBERG, Digicon Geophysical, Jackson  
THOMAS W. AULD, Shell, Houston  
L. F. COOK, Gulf, Jackson  
L. BRUCE CURRIE, Texaco, New Orleans  
JACK E. FOSTER, Dowell, Jackson  
CHARLES T. GOODSON, Mobil, New Orleans  
JAMES GOODWILL, Digicon Geophysical, Jackson  
DENNIS L. HALLMAN, Michigan-Wisconsin, Jackson  
JAMES V. HOOTON, Exxon, Jackson  
WILLIAM R. JAMES, Pruet Oil Company, Jackson  
FRANK E. JOHNSON, Placid, Jackson  
JIM MCGINNIS, Geophysical Field Surveys, Jackson  
JOHN A. MCKOSKY, LL&E, New Orleans  
DANIEL C. MARTINEZ, Exxon, New Orleans  
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GEORGE PUCKETT, Cities, Jackson  
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ZEB F. REEVES, Florida Gas, Jackson  
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HAROLD STANG, JR., Imco Services, Jackson  
JAMES H. STILLWELL, Champlin Pet., Houston  
RICHARD H. VORIS, Helmerick & Payne, Inc., Tulsa  
CARL WININGS, Michigan-Wisconsin, Jackson

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The MGS News Bulletin is for the members. However, we are unable to keep members informed on job changes, etc., of MGS Members, unless we are informed. Please let TOM SIWULA (969-0100) know if you have any news that might be of interest.



- PROGRESS REPORT -

ALABAMA

(August)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	4
Paleozoic	0	3	1

EXPLORATORY FOOTAGE: 60,574'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	1	1	0
Paleozoic	0	7	7

(September)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	2
Paleozoic	0	1	2

EXPLORATORY FOOTAGE: 42,385'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr.Cret.	1	0	0
Jurassic	1	0	1
Paleozoic	0	1	3

FLORIDA

(August)

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	1	0	0

(September)

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr.Cret.	1	0	0
Jurassic	0	0	1

MISSISSIPPI

(August)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	7
U.Cret.	0	0	1
L.Cret.	0	0	0
Jurassic	0	0	4
Paleozoic	0	1	4

EXPLORATORY FOOTAGE: 145,531'

Continued PROGRESS REPORT

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	9
U.Cret.	1	0	1
L.Cret.	0	1	3
Jurassic	0	0	1
Paleozoic	0	1	0

(September)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	3	1	11
U.Cret.	0	0	1
L.Cret.	0	0	1
Jurassic	0	0	1
Paleozoic	0	0	2

EXPLORATORY FOOTAGE: 139,566'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	6
U.Cret.	1	0	1
L.Cret.	0	3	1
Jurassic	0	0	1
Paleozoic	2	0	1

-DISCOVERIES-

Unnamed Field (8-27-78)

Terra Resources  
 #1 Morrison Smith 4-13  
 Sec.4-15S-12W, Fayette County, Ala.  
 Carter Sd. pfs.: 2402-19'  
 IP COF 6700 MCFGPD

Unnamed Field (8-1-78)

Cleary Petroleum  
 #1 McGill 33-1  
 Sec.33-14S-16W, Lamar County, Ala.  
 Carter Sd. pfs.: 2741-49'  
 IP F/ 1500 MCFGPD 24/64" FTP 490#



Continued PROGRESS REPORT/ DISCOVERIES

Unnamed Field (8-1-78)

Southland Royalty  
#1 J.F. Holley 32-8  
Sec.32-12S-15W, Lamar County, Ala.  
Carter Sd. pfs.: 1914-29'  
IP F/ 955 MCFGPD 1/4"  $\bar{E}$  FTP 640#

Unnamed Field (9-3-78)

Southland Royalty  
#1 W. A. Austin 9-1  
Sec.9-13S-15W, Lamar County, Ala.  
Carter Sd. pfs.: 1844-67'  
IP F/ 1015 MCFGPD 16/64"  $\bar{E}$  FTP 675#

Unnamed Field (8-1-78)

Echols & LeBlanc  
#1 Breaux 7-6  
Sec.7-4N-4W, Adams County, Miss.  
Jenkins Sd. pfs.: 6776-77'  
IP F/ 115 BOPD 8.5/64"  $\bar{E}$  FTP 365#  
CP 260# 42.7° Gr.

Unnamed Field (8-1-78)

Lear Petri. Corp.  
#1 Frances Henley  
Sec.35-14S-5E, Chickasaw County, Miss.  
Carter Sd. pfs.: 4238-48' and  
Abernathy Sd. Pts.: 4586-94'  
(Comingled)  
IP P/ 40 BOPD 31° Gr.

Wades Bayou (9-18-78)

Wade Fortenberry & S. B. Forman  
#1 Lambdin Unit  
Sec.33-8N-2W, Adams County, Miss.  
Artman Sd. pfs.: 5535-36 1/2 '  
IP P/45 BOPD + 453 BOPD

Unnamed Field (9-13-78)

Freedom Oil & Victor P. Smith  
#1 Breaux Unit 2-15  
Sec.2-4N-4W, Adams County, Miss.  
Wilcox Sd. pfs.: 4810-12'  
IP F/95 BO + 285 BWPD 18/64"  $\text{\textcircled{T}}$  FTP 125#  
29.1° Gr.

Unnamed Field (9-25-78)

Walter W. Heard, Jr., et al  
#A-1 Armstrong-Oakland  
Sec.26-7N-1W, Adams County, Miss.  
2nd Wilcox Sd. pfs.: 4014-19'  
IP F/ 450 MCFGPD 7/64"  $\text{\textcircled{T}}$  FTP 1420#

West Quitman Bayou (9-16-78)

Sun Oil Company  
#37 Frank Junkin "A"  
Sec. acc.-8N-3W, Adams County, Miss.  
4600' Sd. pfs.: 3888-90'  
IP F/ 152 BOPD 14/64"  $\text{\textcircled{T}}$  FTP 190# GOR 235/1  
39.1° Gr.

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JACKSON GEOPHYSICAL SOCIETY  
Monthly Meeting, November 20

MR. PHIL SCHULTZ of Digicon Geophysical Corp. will deliver a talk entitled, "Depth Migration Before Stack" at the Monday, November 20 meeting of the Jackson Geophysical Society. The bar will open at 5:30 with dinner to be served at 6:30. Cost of the meal is \$7.50, while unpaid dues are \$10.



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- CALENDAR -

Nov. 14 - M.G.S. NOON MEETING  
Smackover Room, Petroleum Club

Nov. 20 - J.G.S. MEETING  
5:30 P.M., Primos Northgate





# BULLETIN



## mississippi geological society

VOLUME XXVI No. 3, December, 1978

M.G.S. NOON MEETING  
December 12, 1978

The speakers for the December 12 noon meeting of the Mississippi Geological Society will be TORSTEIN SANNESS and ED MINAHAN. Their subject is Waveland Field, a unique trap which appears to be one of Mississippi's larger gas fields, located in Hancock County, Mississippi.

Torstein was educated at the Technical University of Norway where he received a Masters Degree in Mining and Technically Applied Geology in 1971. He joined Saga in 1971 and trained in the U.S. in various offices of Amoco International and Shenandoah. He later worked on North Sea projects for Saga before transferring to the U. S. in 1975 when Saga became involved in the deep Jurassic play in Southern Alabama and Mississippi. He presently is Area Exploration Manager for Saga Petroleum U.S., Inc.

Ed is a veteran explorationist in the Southeastern States. He graduated from Oklahoma State University in 1955. He was employed by Amerada, Placid, Erickson and Shenandoah Oil Company in Jackson and was Exploration Manager for Saga Petroleum, U. S., Inc. in Houston and currently is Exploration Manager for Young Oil Company, Fort Worth, Texas. He served as president of this Society in 1967. He has made significant contributions to Mississippi Geological Literature with papers published in the GCAGS transactions regarding Pool Creek Field, Jurassic Geology and the Black Warrior Basin.

The meeting will be at the Smackover Room in the Petroleum Club. The tab is \$5.00, which includes the meal.

RESERVATIONS are to be called in to T. C. RADER at 948-4128, no later than noon, MONDAY, December 11.



MISSISSIPPI GEOLOGICAL SOCIETY

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PRESIDENT'S NOTES

-MERRY CHRISTMAS-

This past meeting was very well received. We had 120 members and guests present. This is the largest number we have ever had for a regular noon meeting, but we anticipate and expect this type of reception for the remainder of the year. HARRY SPOONER has lined up an outstanding group of speakers.

Ed Minihan and Torstein Sanness will be speaking on Waveland Field in December, and we expect another record turnout. T. C. RADER tells me the Smackover Room can accommodate 120 people for the meal. Therefore, you should call your reservations in now.

LARRY BARIA has scheduled two Continuing Education seminars for February and March. More on this later.

As we have mentioned previously, we would strongly appreciate reservations being called in. Please help T. C. and Charlie by remembering to do this.

LES AULTMAN

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- FRIENDS OF THE SOCIETY -

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- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
November 20, 1978

Present: LES AULTMAN, PHILIP REEVES, T. A. SIWULA,  
SIMEON KING

AAPG: It was decided that the election of a representative to the AAPG House of Delegates be conducted by AAPG National Headquarters, rather than locally. National HQ has an up-dated tabulation of members eligible to vote and has conducted the Delegate election for our Society in the past. REEVES will provide AAPG with candidates' names.

GCAGS: CHILDRESS attended the GCAGS Executive Committee meeting in New Orleans. The official minutes of the meeting are available for examination by any interested members.

Membership: SIWULA reported that membership lists will soon be mailed to MGS members.

Students: 10 USM students attended GCAGS Convention. A letter from the University of Southern Miss. was received thanking the Society for its sponsorship of the students.

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MEMBERSHIP ROLL

T. A. (TOM) SIWULA, Secretary of MGS, is in the process of changing our mail - out membership list from metal addressograph plates to adhesive xerox labels. When you receive your 1978-79 membership list, please examine it carefully for any mistakes, omissions, or changes to be made and report it to Tom so that he may correct the xerox labels. Hopefully, this will enable all our members to receive any mail - outs. Tom may be contacted at 969-0100.

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GULF-SOUTH CONFERENCE ON THE  
NATURAL GAS POLICY ACT OF 1978 (NGPA)

The Mississippi - Alabama Division of Mid-Continent Oil & Gas Association is helping coordinate a one - day conference to be held on December 6, 1978 at the Holiday Inn-Downtown, Jackson, Mississippi, beginning at 9 a. m., to explain the provisions of the NGPA and the implementing regulations. The conference will be conducted by the Federal Energy Regulatory Commission (FERC) and is being sponsored by the Mississippi Institute for Continuing Education, an activity of the University of Mississippi Law Center and the Mississippi State Bar. John Holloman, Jackson Attorney and former Vice Chairman of the Federal Power Commission will chair the conference. Topics scheduled for discussion include: ceiling prices for new gas, high-cost gas, stripper-well gas, deregulated gas, and other categories defined in the NGPA: pricing under new and existing intrastate contracts, incremental pricing, and pipeline regulation. Time will be allocated for questions; each attendee will receive materials on the Act and regulations, and attendees' names will be placed on a FERC mailing list to receive updating information.

There will be no registration fee for the Conference or the materials; however, a nominal fee will be charged by the sponsoring organization to cover the cost of lunch and refreshments. Brochures on the conference are being prepared by FERC for distribution. This brochure will include registration information. We will mail you the brochure as soon as it is received by our office. Further information may be obtained by contacting:

JAMES DENT MAY, Director, Mississippi  
Institute for Continuing Legal  
Education (601)232-7361 or

CHARLES H. WILLIAMS, JR., Executive  
Vice President, Mississippi-Alabama  
Division, Mid-Continent Oil and Gas  
Association (601)948-8903

- PROGRESS REPORT -

ALABAMA

(October)

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	1	1	1
Paleozoic	0	0	4
EXPLORATORY FOOTAGE: 56,036'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	0	0	1
Paleozoic	0	2	1

FLORIDA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	0	0	2
EXPLORATORY FOOTAGE: 23,547'			

MISSISSIPPI

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	12
Up. Cret.	0	0	1
Lwr. Cret.	1	3	4
Jurassic	1	0	3
EXPLORATORY FOOTAGE: 276,865'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	2	0	7
Up. Cret.	0	1	3
Lwr. Cret.	0	4	1
Paleozoic	0	1	1

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- DISCOVERIES -

CHOCTAW COUNTY, ALABAMA - (Unnamed Field) 10-5-78  
Pruet & Hughes - #1 SMITH LUMBER CO.  
Section 5 - T9N - R4W  
TD 13,668 ' Smackover  
IP pfs: 13,532-542 (Smackover) F/309  
BOPD 430 MCFGPD + 19<sup>o</sup>/o H<sub>2</sub>S 12/64 ½  
FTP 1340# GCR 1392/1



WASHINGTON COUNTY, ALABAMA - (Unnamed Field)

10-3-78

Inexco Oil - #1 BRITTON

Section 21 - T8N - R4W

TD 16,710' (Norphlet)

IP pfs: 16,008-018 (Smackover)

FARO 4707 MCFGPD 20 BOPD (53.8° GR.) +

20°/o BS&W GCR 235,360/1 H<sub>2</sub>S 32°/o;

Co<sub>2</sub> 2°/o 14/64 ‡ FTP 2900# CP 700# ..

CLARKE COUNTY, MISSISSIPPI - DeSoto Field/10-1-78

Northshore Exploration - #1 SHANKS

Section 10 - T1N - R15E

TD 14,174' (Norphlet)

IP pfs: 13,852-932 (Smackover)

P/204 BOPD 31° GR. 11 BWPD

JEFFERSON DAVIS COUNTY, MISSISSIPPI -

West Jaynesville Field / 10-4-78

Robert Mosbacher - #1 HALL

Section 13 - T9N - R18W

TD 15,288 (Hosston)

IP pfs: 15,187-200 (Hosston)

F/1730 MCFGPD 1 BOPD 39° GR. 5.4 BWPD

GCR 1,730,000/1 Co<sub>2</sub> 4.47°/o 12/63 ‡

FTP 1875#

MARION COUNTY, MISSISSIPPI - Improve Field/

10-2-78

Sun Oil Company - #1 PATTERSON

Section 18 - T4N - R17W

TD 17,375 (Hosston)

IP pfs: 16,417-433 (Harper Sand)

F/4800 MCFGPD 12 BCPD 48.6° GR.

12 BWPD GCR 400,000/1 W/64 ‡ FTP 2205#

IP pfs: 16,619-623 (Booth Sand)

F/2500 MCFGPD 27 BCPD 47.2° GR.

8 BWPD 15/64 ‡ FTP 2060# GCR 92,593/1

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GULF COAST ASSOCIATION OF GEOLOGICAL SOCIETIES

The following papers have been selected as winners of the 1978 GCAGS Annual Meeting, held October 11, 12, & 13, 1978, at New Orleans, La.

- A. I. LEVERSON AWARD -

Submarine Fan Deposition of the Woodbine - Eagle Ford Interval (Upper Cretaceous), Tyler County, Texas; by Charles T. Siemers.

- FIRST BEST PAPER AWARD -

Submarine Fan Deposition of the Woodbine - Eagle Ford Interval (Upper Cretaceous), Tyler County, Texas; by Charles T. Siemers.

- SECOND BEST PAPER AWARD -

Pre-Platform Exploration of High Island, Blocks A-560 and A-561; by Jeffrey W. Lund, John S. King, Richard Berlitz, and J. A. Gilreath.

- THIRD BEST PAPER AWARD -

Porosity Loss in Sandstone by Ductile Grain Deformation during Compaction; by Earle F. McBride.

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The following papers have been selected as winners of the 1978 Gulf Coast Section of the SEPM.

- FIRST BEST PAPER AWARD -

Petrology and Diagenesis of the Hosston Sandstone Reservoirs at Bassfield, Jefferson Davis County, Mississippi; by Alan Thomson.

- SECOND BEST PAPER AWARD -

Paired Foraminiferal Ecophenotypes in Gulf Coast Estuaries: Ecological and Paleoecological Implications; by Wylie Poag.

- THIRD BEST PAPER AWARD -

An overview of Early Tertiary Terrestrial Paleogeography of the North American Southwest and Gulf Coast; by Judith A. Schiebout.



The following papers did not win an award but were rated by the judges as very good to excellent and suitable for meetings;

- J. H. Beard, J. B. Sangree, L. A. Smith: Quaternary Chronology, Paleoclimate, Eustatic Cycles and Depositional (Seismic) Sequences
- R. O. Brown: Application of Fracture Identification Log in Cretaceous of North Louisiana and Mississippi
- D. M. Curtis, E. B. Picou, Jr.: Gulf Coast Cenozoic Model for Application of Stratigraphic Concepts to Exploration on Passive Margins
- D. K. Davies, W. R. Almon: Clay Technology and Well Stimulation
- M. B. Kumar: Redell Salt Dome of Louisiana - Geotemperature and Halokinetics
- R. G. Loucks: Sandstone Distribution and Potential for Geopressured Geothermal Energy Production in Vicksburg Formation Along Texas Gulf Coast

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#### PETROLEUM AUXILIARY

The Petroleum Auxiliary will have their Christmas Sherry Party from 4:00-6:00 p. m. on December 12, 1978, at the home of Mrs. Stewart Welch, 4730 Cheryl Drive. Hostesses will be Mrs. Emil Monsour, Chairman; Mrs. Marvin L. Oxley; Mrs. Larry Wood; Mrs. Riley Hagan, and Mrs. James W. Twiner.

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GEOLOGY COURSES TO BE OFFERED  
BY DEPARTMENT OF GEOLOGY  
Millsaps College

Two advanced courses will be offered by the Department of Geology, Millsaps College, for the Spring Semester, 1979. One of the courses will be Principles of Stratigraphy (Geology 250) which will be offered Monday and Wednesday nights from 6-8 p.m. The course deals with rock sequences in stressing principles, paleontology, lithology, and regional sequences of rock units. The course is for three hours credit and will be taught by Mr. CHARLES BARTON.

The second course to be offered is a day-time course in Optical Mineralogy (Geology 312). The course is an introduction to the use of the Polarizing microscope and stresses the use of optical properties and especially indices of refraction in working with crushed fragments. Some work is devoted to identification of minerals in thin sections. This course will be taught by Mr. WENDELL B. JOHNSON. Anyone interested in this course should contact the Department of Geology.

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A night course in beginning geology is scheduled at Millsaps College for the Spring Semester of 1979. The Department of Geology will offer a 3 - hour credit course designed to emphasize: (1) composition of the Earth, (2) time scale, (3) introduction to study of fossils, (4) origin of universe, galaxies, solar system, (5) systematic study of Precambrian through Cenozoic rocks, and (6) emphasis upon geology of Mississippi.

The course is designated Geology 102 and is called Historical Geology. It will be taught by Mr. CHARLES BARTON, geologist with U. S. Energy Search, Inc., Jackson, Mississippi.

The class will meet on Tuesday and Thursday nights 6 - 8 p. m. in Sullivan - Harrell Science Building in Room 055. The course will begin the evening of January 10 and the last class meeting will be April 27, 1979.

This course is a very interesting course and



is open to the general public. It is assumed that the student knows very little about the subject, but after the introduction each participant will be challenged on a number of different topics. The course is worth while for all secretaries working with oil companies, State Geological Survey, Ground Water Branch, State Highway Department, and persons involved with nonscience professions. We invite you to whet your appetite with a subject that is different from other courses you have taken.

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#### WELCOME NEW MEMBERS

ROBERT C. BERTOLET, Independent, Vidalia, La.  
ALAN H. COCKRELL, Grace Petroleum, Jackson  
MICHAEL R. CORNYN, Union Oil Co. of Calif.,  
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JAMES R. FLOOD, Stone Oil Company, New Orleans,  
Louisiana  
KEVIN B. HILL, Cities Service Co., Jackson  
BILL E. LAWRENCE, Clayton W. Williams, Jr.,  
Jackson  
HOBSON C. MCGEHEE, JR., Minerals Management,  
Inc., Jackson  
CHARLES F. PEPPER, Tideway Oil and student at  
Millsaps, Jackson  
CAROLYN N. PLUM, Shenandoah, Jackson  
WALTER H. SMITH, Gulf Exploration and Production  
Co., Columbia, Miss.  
EVERETT E. WILSON, Texas Pacific Oil Company,  
Lafayette, La.  
H. P. YORK, JR., Self-employed: Well-Logging,  
Jackson

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## CLASSES AT U.S.M.

GULF COAST GEOLOGY and CONTINENTAL DRIFT will be taught at the Hattiesburg campus of the University of Southern Mississippi during the Spring Semester. GULF COAST GEOLOGY will be on Thursday evenings, and DR. OSCAR PAULSON will be the instructor. CONTINENTAL DRIFT will be on Tuesday evenings with DR. RICHARD BOWEN as the instructor. Registration is January 8. The first meeting of both classes is January 11, Thursday evening. The remainder of classes will be taught on their respective nights. Anyone interested should contact DR. OSCAR PAULSON at U.S.M.

Dr. Paulson is also in the process of conducting a survey to determine if there is enough interest to schedule geophysical courses at the R&D Center in Jackson. One course is ELEMENTS OF GEOPHYSICS. This would be an overview of geophysics. The text to be used is Physics in Geology, by Jacobs, Russell and Wilson. The other course is ADVANCED GEOPHYSICS, which would deal primarily with seismic methods. The courses would be taught in their respective sequences. One of the two courses would be taught by a representative from the Corps of Engineers in Vicksburg. If there is enough interest, it is possible that the first course could be held the Spring Semester at the R&D Center.

Anyone interested should contact either DR. OSCAR L. PAULSON, JR., Chairman of the Geology Department at U. S. M. or SARAH CHILDRESS.

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## BIBLE STUDY

JACK MOODY wishes to invite all who are interested to the weekly Bible studies at Shenandoah Oil Corporation, 620 North Street. The topic is the Book of Galatians. Rev. R. M. Morrison is the pastor.

The Bible study is held Mondays at noon. If you plan to attend, please contact Jack by phone: 944-0387.



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GUARDIAN OIL COMPANY L. Graham Hughes              Charles S. McClelland 1636 Capital Towers              Jackson, Mississippi
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CALENDAR

Dec. 12 - PETROLEUM AUXILIARY  
4730 Cheryl Drive, 4:00-6:00 P.M.

Dec. 12 - M.G.S. NOON MEETING  
Smackover Room, Petroleum Club



# NEWS

## BULLETIN

mississippi geological society



JAN 13 1979

VOLUME XXVI No. 4, JANUARY, 1979

M.G.S. NOON MEETING  
January 26, 1979

Dr. Edward D. Pittman, Research Supervisor, Amoco Production Company, Research Center, Tulsa, Oklahoma and a Distinguished Lecturer sponsored by the American Association of Petroleum Geologists, will address the noon meeting of the Mississippi Geological Society on January 26, 1979. Dr. Pittman will speak to approximately 30 Societies and Universities during his lecture tour. The paper he will present is entitled "Diagenesis: Key to Pore Geometry and Reservoir Potential of Sandstones". An understanding of pore geometry is especially important for the low-quality argillaceous sandstone reservoirs for which the industry is currently exploring in Mississippi.

Dr. Pittman received his Ph.D. from the University of California in 1962. He spent four years with General Petroleum Corporation and since then has worked in research with Amoco.

The meeting place is the Smackover Room of the Capital City Petroleum Club. The tab is \$5.00 including the meal.

RESERVATIONS are to be called in to T. C. RADER at 948-4128 no later than noon THURSDAY, January 25, 1979.

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PRESIDENT'S NOTES

Happy New Year! 1978 has been a very good year for the Mississippi Geological Society and I hope for you and yours.

Our membership has shown a steady growth, but the most pleasing aspect has been the attendance at the monthly meetings. Apparently the noon meetings and the outstanding speakers HARRY SPOONER has lined up are what you want.

Due to our speakers schedule, we will have our meeting later in the month than usual in January, but anticipate a very interesting talk.

We are sorry to hear that Enserch is closing down their Jackson office. SARAH CHILDRESS, BILL McGEE, TOM SIWULA AND BARBARA DAVIS of Enserch have provided much leadership and given of their time unselfishly.

LES AULTMAN

\*\*\*\*\*

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-HIGHLIGHTS-  
M.G.S. BOARD MEETING  
December 28, 1978

PRESENT: PHILIP REEVES, T. A. SIWULA, LES AULTMAN, JIM SMITH and SIMEON KING

AAPG: REEVES announced the following as candidates for the AAPG delagate: JOHN RICHART (Union Oil) and NESTOR BLANCO (Placid Oil).

MEMBERSHIP: SIWULA is in the progress of correcting classifications of members. SIWULA reported that the M.G.S. membership is approximately 435.

PUBLICATIONS: The Newsletter will print a publication list and include an order form.

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AAPG/SEPM

The annual convention of the American Association of Petroleum Geologists and the Society of Economic Paleontologists and Mineralogists brings several thousand geoscientists together. One of the significant functions of the convention is the Employment Interviews Center.

The Employment Interviews Committee will serve as an intermediary for the employer and employee, and will maintain a list of prospective applicants and their qualifications, match these with an employer's requirements, and arrange appointments for interviews.

For more information, applicants and those persons wishing to interview should contact Robert A. Harris, Mitchell Energy Corporation, 3900 One Shell Plaza, Houston, Texas 77002.



## CARBONATE WORKSHOP

The University of Texas at Austin will conduct a carbonate workshop February 8-11, 1979. Instructors are Dr. D. G. Bebout; Bureau of Economic Geology, Dr. R. L. Folk; Department of Geological Science, Dr. L.S. Land; Department of Geological Sciences, Dr. R. G. Loucks, Bureau of Economic Geology; and Dr. A. J. Scott; Department of Geological Sciences.

It is a short course focusing on recent and ancient depositional environments, petrographic classifications, facies characteristics and relationships, and diagenesis of carbonates and evaporites. This basic course will emphasize methods and approaches to studying carbonates and is designed for the geologist and geophysicist interested in regional carbonate trends, facies interpretation, and the development of depositional and diagenetic models for the prediction and interpretation of porosity distribution. Discussions of porosity types, origin and distribution and their relationship to depositional and diagenetic history will be of interest to reservoir engineers.

For further information, contact HARRY SPOONER at Spooner Petroleum at 969-1831.

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## MISSISSIPPI OIL SCOUTS ASSOCIATION

New Officers of the Mississippi Oil Scouts Association for 1979 are: President, JIM McMULLIN (Forest Oil); Vice-President, RAY CARLIN (SHELL); Secretary, BILL LAWRENCE (Clayton Williams) Editor, MICKEY McQUIRE (Chevon).

WELCOME NEW MEMBERS

JOHN R. CHITWOOD, III, Independent Landman,  
Jackson

STEPHEN P. JENNINGS, First Energy Corp., Jackson

JACK D. OYLER, Coquina, Jackson

VINCENT C. VODICKA, First Energy Corp., Jackson

\*\*\*\*\*

JACKSON GEOPHYSICAL SOCIETY

Mr. Andrew Raring of Geotronics Corp. will speak to the Jackson Geophysical Society at the evening meeting on Monday, January 15, 1979, at Primos Northgate Restaurant. Mr. Raring's talk will be entitled "Magnetotellurics and the Black Warrior Basin". The central theme of the talk will concern a geological study of the Black Warrior Basin which will commence shortly by the Geotronics Corp.

This basin is one of the few remaining frontiers in the lower forty-eight and has a thick, virtually untested Paleozoic section. The Geotronics Corp. will apply the magnetotelluric method, a proven geophysical tool new to the Black Warrior Basin, to provide a fresh geological interpretation of regional stratigraphy and structure from an explorationist's viewpoint. The integrated interpretation reports will cover these three target areas: (1) the northwest basin margins, (2) the deep basin, and (3) the basin shelf on the northeast.



Survey objectives are to (1) define structure of the basin margins and of the deep basin, (2) map regional facies trends in older Paleozoic section where accompanied by resistivity change, and (3) evaluate applicability of magnetotelluric to exploration for Mississippian stratigraphic targets on the basin shelf. The nature of the transition from known deep basin in Oktibbeha County to shallow granite beneath Cretaceous in Yalobusha and Grenada Counties, Mississippi will be illuminated by the northwest basin margin project. The extent of the Ouichita System in Mississippi and its structural influence on the deep basin, the northwestward extent of Appalachian structures in the basin, and resistivity variation in the deep section will be examined by the deep basin frontier project. On the northeast basin shelf we will track the descent of electrical horizons across the normal fault system and look for indicators of quality and distribution of Mississippian sands. The regional geologic framework of the basin will be clarified and areas of exploration potential will be highlighted.

The Magnetotelluric method is well suited for the Black Warrior Basin, where seismic surveys often fail to resolve the deep Paleozoic configuration beneath the Cretaceous conformity. Previous experience with magnetotellurics in the basin has shown excellent results. Both the subsurface resistivity sequence and electrical strike directions are measured at each site. This information allows electrical correlation, as with electric well logs, and mapping of structural trends at depth.

The Jackson Geophysical Society extends an invitation to all geologists, geophysicists and other interested parties. The bar will open at 5:30 P. M. with dinner at 6:30 P. M. Cost of the meal is \$7.50. Please make reservations if you plan to attend by calling 969-9111 no later than NOON, Monday, Jan. 15. The meeting will be at Primos Northgate.

- PROGRESS REPORT -  
(November)

ALABAMA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Up. Cret.	0	0	1
Lwr. Cret.	0	0	1
Jurassic	0	0	5
Paleozoic	0	0	3
EXPLORATORY FOOTAGE: 111,122'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	2
Paleozoic	0	1	4

MISSISSIPPI

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	0	0	13
Up. Cret.	2	0	0
Lwr. Cret.	0	0	2
Jurassic	0	0	5
Paleozoic	1	0	0
EXPLORATORY FOOTAGE: 210,485'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	6
Up. Cret.	3	0	2
Lwr. Cret.	0	9	1
Paleozoic	0	1	0

- DISCOVERIES -  
11-1-78 - 12-1-78

UNNAMED FIELD 11-9-78  
Tejas Prod. Co.  
#2 Boy Scouts  
Sec. 34-4N-6E Amite Co., MS  
T.D. 11,150 (Tusc)  
Pfs: 11,073-007 (Lwr. Tusc.)  
I.P. P/17 BO + 196 BWPD (37<sup>0</sup>GR.)

NOTE: The Circled Number is not an annual production. The books are available. Field name suggested by the Mineralist.



XX

Continued PROGRESS REPORT

GREENS CREEK (New Pay) 11-8-78

Tomlinson Interests  
#1 J. C. Williamson, et al  
Sec. 21-5N-19W Marion Co., MS  
T.D. 16,740 (Hosston)  
Pfs: 16,210-222 (Harper Sand)  
IP 4195 MCFGPD + 47.7 BCPD (48° GR)  
14/64 & F.T.P. 3705# GCR 89,670/1

GREENWOODSPRINGS FIELD 11-15-78

Pruet & Hughes-Kinsley & Powell  
#1 Easter 15-6  
Sec. 15-14S-17W Monroe Co., MS  
T.D. 3600 (Paleozoics)  
Pfs: 2506-19(°/A) (Millerella)  
IP F/86 BOPD + 12 BWPD (26° GR)  
20/64 & F.T.P. 60#

CARROLL CREEK

Harridge Oil-Webster Enterprises-R.E. Williams  
#1 O'Neal, et al 33-6  
Sec. 33-4N-7E Pike Co., MS  
T.D. 11,020 (Tusc.)  
Pfs: 10,954-964 (Lwr. Tusc.)  
PARO 38 BOPD + 42 MCFGPD (38°GR.)  
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1. Wilcox Files of Southwest Mississippi, 171 fields, 350 pp. ....	\$18.00
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2. Vol. I, 1957, 57 fields, 154 pp., 2 composit logs, clothbound. ....	\$ 3.00
3. Vol. II, 1963, 77 fields, 143 pp., 3 ring binder (Includes Supplement I) . . . . .	\$ 7.50
4. Supplements 2 through 7 for Vol. II . . . . .	\$ 7.50
5. Supplements 6 & 7 (1972) for Vol. II . . . . .	\$ 5.00
6. Vol. I & II, with all supplements (1 through 7) . . . . .	\$18.00

## FIELD TRIP GUIDE BOOKS

7. Seventh Field Trip - Pre-Cambrian and Paleozoic Rocks of Northern Alabama and South-Central Tennessee, August, 1949, 89 pp., 30 illustrations. ....	\$ 4.00
8. Eleventh Field Trip - Paleozoic Rocks, Central Tennessee and Northwest Alabama, May, 1954, 67 pp., 28 illustrations . . . . .	\$ 4.00
9. Fourteenth Field Trip - Upper Cretaceous of Northeast Mississippi and West Central Alabama, May, 1959, 29 pp., illustrated with road log . . . . .	\$ 2.50
10. Fifteenth Field Trip - Cenozoic of Southeastern Mississippi and Southwestern Alabama, May, 1960, 52 pp., illustrated with road log . . . . .	\$ 3.00
11. 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 . . . . .	\$ 5.50
12. Seventeenth Field Trip - Mississippi Rocks of the Black Warrior Basin, April, 1978 (includes significant gas field studies) . . . . .	\$ 8.00



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**OTHERS**

- 13. Mesozoic Composite Log of South Mississippi and South Alabama, October, 1957. .... \$ 1.00
- 14. Paleozoic Composite Log of Black Warrior Basin, Mississippi and Alabama ..... \$ 1.00
- 15. Paleozoic X-Sections—Black Warrior Basin, 5 Sections. .... \$ 7.00
- 16. Nine Jurassic Stratigraphic X-Sections (Miss., Ala. & N. W. Fla.) ..... (Set) ..... \$45.00
- 17. Photodirectory 1977-78. .... \$ 5.00

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Jackson, Miss, 39201

CALENDAR

JANUARY 15 - JACKSON GEOPHYSICAL SOCIETY  
Primos Northgate - 5:30 P.M.

JANUARY 26 - M.G.S. NOON MEETING  
Smackover Room, Petroleum Club





# BULLETIN

## mississippi geological society

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VOLUME XXVI No. 5, FEBRUARY, 1979

### M.G.S. NOON MEETING February 13, 1979

Russ Brown, Senior Sales Engineer for Schlumberger's Southeast Division, will speak at the noon meeting of the Mississippi Geological Society on Tuesday, February 13, 1979. The paper he will present is entitled "Application of Fracture Identification Logs in the Cretaceous of North Louisiana and Mississippi." The paper discusses several producing fractured reservoirs in Louisiana and Mississippi and the application of a logging technique to identify such reservoirs.

Russ graduated from the University of Tennessee on 1955 with a B. S. in Electrical Engineering and since that time has worked with Schlumberger in Texas, Louisiana, Arkansas and Mississippi.

The meeting will be in the Petroleum Club. The tab is \$5.00 which includes the meal.

RESERVATIONS are to be called in to T. C. RADER at 948-4128, no later than noon, MONDAY, February 12, 1979.

PRESIDENT'S NOTES

I am sorry to announce the resignation of Tom Siwula, Secretary of the Mississippi Geological Society. As most of you are aware, Tom is transferring to Dallas subsequent to Enserch closing their Jackson Exploration Office.

Tom has truly been a workhorse and given much of his time and efforts. We shall truly miss him. I know that all of you will want to join in wishing him well.

Steve Oivanki, Independent, has been appointed acting Secretary to fill Tom's vacancy until we have an election. The M.G.S. Constitution provides that a special election shall be held at the next meeting subsequent to the permanent vacancy of any office excepting the President. A Nominating Committee Chairman has been appointed and he shall see that a minimum of two candidates are chosen before our February 13th meeting.

LES AULTMAN

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## CONTINUING EDUCATION PROGRAM

Dr. Richard Moiola of Mobil Oil Company, R&D will speak to the Mississippi Geological Society on Sandstone Depositional Environments March 7, (Wednesday) at 7 P.M. The lecture will follow a dinner at Primos Northgate which will begin at 6:00. Be sure to make reservations through T. C. Rader before noon Wednesday at 948-4128.

Dr. Moiola combines a talent for speaking with outstanding knowledge of fluvial, deltaic, and marine sedimentation. The topic should be of interest to all Geologists playing Mississippian sands of the Black Warrior Basin, Wilcox and Tuscaloosa Sands, or the Cotton Valley-Hosston Trend. The presentation will be a valuable follow-up to our recent talk on sandstone diagenesis. M.G.S. urges everyone to take advantage of this program. Let's make it a good turn out!

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### THANK YOU

A special thanks to the employees of the Enserch Office in Jackson for their help in the M.G.S. monthly newsletter - Tom Siwula, Bill Magee, Sarah Childress, Barbara Davis and Marilyn Adams. Without their help the newsletter would have not made the monthly deadlines. Their help and support will be missed.

SIMEON KING, EDITOR

## AAPG CONVENTION

Housing and Advance Registration is now open for the 1979 AAPG-SEPM ANNUAL CONVENTION, to be held in Houston, from April 1-4. The theme of the meeting is "Our Ideas Find Oil", adapted from a statement made by Dr. Parke Dickey suggesting that explorers may be running out of imagination rather than oil. Approximately 400 papers will be presented in technical sessions, and another 150 in poster sessions.

A wide variety of short courses, field trips and entertainment will be offered. Tickets to most events are limited. Details and forms available from AAPG, Box 979, Tulsa, Oklahoma, 74101. (919) 584-2555.

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## PETROLEUM AUXILIARY

The Petroleum Auxiliary will have their annual "Couples Party" February 24th at the Capital City Petroleum Club. The theme is Las Vegas Night. The party will be from 7:30 P.M. until midnight. The Hostesses are: Mrs. Rodney Jeffreys; Chairman, Mrs. Jimmy L. Clements, Mrs. John L. Burwell, Jr., and Mrs. Riley Hagan.



- PROGRESS REPORT -  
(December)

ALABAMA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	1
Paleozoic	0	0	2
EXPLORATORY FOOTAGE: 21,181'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	0	0	1
Paleozoic	0	1	2

FLORIDA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Up. Cret.	0	0	1
Lwr. Cret.	0	0	2
EXPLORATORY FOOTAGE: 26,987'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	1	0	0

MISSISSIPPI

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	4	0	10
Up. Cret.	0	0	1
Lwr. Cret.	1	0	4
Jurassic	0	0	4
EXPLORATORY FOOTAGE: 240,742'			
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	3	0	4
Up. Cret.	2	0	2
Lwr. Cret.	0	3	0
Jurassic	2	1	0
Paleozoic	0	2	1

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- DISCOVERIES -  
12-1-78 - 1-1-79

UNNAMED FIELD 12-14-78  
Echols & LeBlanc  
#1-7 Breaux  
Sec. 1-4N-4W Adams Co., MS  
T.D. 7,010 (Wilcox)  
Pfs: 6792-94 (Jenkins Sd)  
IP F/45 BOPD (39.3° Gr)  
8.5/64 T FTP 90#

NE WASHOUT BAYOU 12-03-78  
W. E. Morrow  
#1 Breaux  
Sec. 9-4N-4W Adams Co., MS  
T.D. 7118 (Wilcox)  
Pfs: 6912½-14 (Barksdale Sd)  
IP FARO 120 BOPD  
12/64 T FTP 258# (39° Gr) Est.

UNNAMED FIELD 12-14-78  
Harold R. White  
#1 South Sibley Unit  
Sec. 26-5N-3W  
T.D. 6811 (Wilcox)  
Pfs: 6701-02½ (Minter Sd)  
IP F/70 BOPD (43.5° Gr)  
7/64 T FTP 180#

UNNAMED FIELD 12-02-78  
Wm. G. New Assoc.  
#1 Jefferson  
Sec. 35-10N-1W Jefferson Co., MS  
T.D. 4509 (Wilcox)  
Pfs: 4008½-13 (4600' Sd)  
IP P/6 BOPD



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Continued PROGRESS REPORT

UNNAMED FIELD 12-21-78  
Midroc-Watkins - Sandefer & Andress  
#1 Huddleston-Blue  
Sec. 3-9N-10W Jones Co., MS  
T.D. 12,502 (Hosston)  
Pfs: 11,831-842 (Sligo)  
IP F/182 BO + 96.1 MCFGPD (36.6<sup>o</sup> Gr)  
10/64 T FTP 750# GOR 528/1

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Please check your advertisements and advise  
M.G.S. of any changes and/or corrections that  
should be made.

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CALENDAR

- FEBRUARY 13 - M.G.S. NOON MEETING  
Smackover Room, Petroleum Club
- FEBRUARY 19 - JACKSON GEOPHYSICAL SOCIETY  
Primos Northgate - 5:30 P.M.
- FEBRUARY 24 - PETROLEUM AUXILIARY  
Petroleum Club-7:30 P.M.-Midnight



# BULLETIN

## Mississippi Geological Society



VOLUME XXVI No. 6, MARCH, 1979

### M.G.S. NOON MEETING March 13, 1979

Alan Thompson, Senior Staff Geologist, Shell Oil Company, New Orleans will speak at the noon meeting of the Mississippi Geological Society on Tuesday, March 13, 1979. Alan's paper is entitled "Petrography and Diagenesis of the Hosston Sandstone Reservoirs at Bassfield, Jefferson Davis County, Mississippi.

Alan obtained BS and MS degrees from West Virginia University and received his PH D from Rutgers University. He has worked with Shell since 1957 in Midland, Houston and New Orleans. Since 1973 his principal areas of interest have been regional stratigraphy and clastic diagenesis. Alan has published a number of papers concerning Sandstone Diagenesis, Regional Paleozoic Stratigraphy, Clastic and Carbonate Sedimentology, Turbidites, Cherts and Evaporites.

The meeting place is the Smackover Room of the Capital City Petroleum Club. The tab is \$5.00 including the meal.

RESERVATIONS are to be called in to T. C. Rader at 969-3286 no later than noon Monday, March 12, 1979.



- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
January 29, 1979

PRESENT: LESTER AULTMAN, PHILIP REEVES, STEVE OIVANKI, SIMEON KING, and JIM SMITH.

A.A.P.G.: AULTMAN announced that a volunteer is needed from M.G.S. to be a judge at A.A.P.G. Convention in Houston.

BULLETIN: KING is to check on a new format for the monthly newsletter.

REDBOOK: AULTMAN is in the process of updating 10 fields for publication.

ELECTION

At the February meeting of the M.G.S. an election was conducted for a secretary to replace TOM SIWULA who resigned due to a transfer to Dallas. STEVE OIVANKI was elected as M.G.S. secretary. If anyone has a change of address or knows of anyone seeking M.G.S. membership, please contact STEVE at 948-0579. STEVE is an Independent Geologist associated with Guardian Oil Co.

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Price indices for drilling and equipping wells  
(1974=100)  
(Unadjusted for depth)  
(All indices are yearly averages)

	Weight (%)	1967	1974	1975	1976	Preliminary 1977	% change 1967 - 1977
Payments to drilling contractors	36.6	48.8	100.0	114.8	131.1	149.2	205.7
Purchased items							
Road and site preparation	4.1	65.4	100.0	110.8	119.4	128.7	96.8
Transportation	3.9	75.9	100.0	108.8	115.4	123.6	62.8
Fuel	1.1	46.1	100.0	121.6	141.3	163.0	256.3
Drilling Mud & additives	6.9	58.9	100.0	127.7	143.4	151.1	156.5
Well site logging and/or monitoring system	1.2	74.9	100.0	117.5	126.1	136.2	81.8
All other physical tests	0.7	65.6	100.0	120.3	135.4	148.7	126.7
Logs & wireline evaluation services	3.2	65.0	100.0	118.1	137.9	152.5	134.6
Directional drilling services	0.6	71.5	100.0	106.6	116.3	126.2	76.5



	Weight (%)	1967	1974	1975	1976	Preliminary 1977	% change 1967 - 1977
Perforate	1.1	74.0	100.0	118.3	131.0	143.1	93.4
Formation treating	3.0	76.2	100.0	126.6	137.3	144.0	89.0
Cement and cementing services	3.7	65.5	100.0	124.6	133.7	137.1	109.3
Casing and Tubing	17.5	47.7	100.0	111.2	120.3	132.6	178.0
Casing hardware	0.7	47.7	100.0	111.2	120.3	132.6	178.0
Special tool rentals	3.1	73.3	100.0	115.0	127.2	139.1	89.8
Drill bits & reamers	1.6	62.5	100.0	124.3	134.3	147.9	136.6
Wellhead equipment	1.8	64.4	100.0	120.5	141.5	165.2	156.5
Other equipment and supplies	2.0	63.3	100.0	124.4	138.0	149.9	136.8
Plugging	0.5	58.6	100.0	115.0	122.0	138.0	118.4
Supervision & overhead	2.1	62.9	100.0	110.8	119.5	129.3	105.6
All other expenditures	4.6	65.0	100.0	111.5	118.5	126.9	95.2
Subtotal purchased items	63.4	60.9	100.0	127.4	116.4	138.1	126.8

- PROGRESS REPORT -  
(January)

ALABAMA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Up. Cret.	0	0	1
Jurassic	0	0	7
Paleozoic	0	0	2

EXPLORATORY FOOTAGE: 123,858'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	2	1
Paleozoic	0	0	2

FLORIDA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	1

EXPLORATORY FOOTAGE: 14,186'

MISSISSIPPI

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	6
Up. Cret.	0	0	2
Lwr. Cret.	0	0	2
Jurassic	0	0	3

EXPLORATORY FOOTAGE: 121,369'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	2	0	7
Up. Cret.	0	0	1
Lwr. Cret.	0	1	1
Jurassic	0	0	1
Paleozoic	0	0	2



- DISCOVERIES -

WEST IVANHOE (1-20-79)

Arnold and Assoc.

#2 Hodges

10-6N-4W, Adams Co., Miss.

TD 6580'

Wilcox perms: 6254' - 6256½'

IP: P/63 BO, 3 BWPD (42° gty.)

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- WELCOME NEW MEMBERS -

RICHARD VERNON MARTIN, Anadarko Producing Company,  
Houston

ROCKY MOUNTAIN ASSOCIATION OF GEOLOGISTS

The Rocky Mountain Association of Geologists, assisted by the Utah Geological Association and The University of Nevada, Las Vegas, is pleased to announce the "1979 Basin and Range Field Conference" in Las Vegas, Nevada on October 7-11.

Participants will devote four days reviewing numerous and varied facets of Basin and Range geology including: regional and detailed structural history, Paleozoic stratigraphy, oil and gas accumulations, base metals mineralization, volcanic geology and geothermal anomalies. Two nights will be spent in Las Vegas followed by two evenings in Ely, Nevada to include a short symposium there on the 10th. Participants then return to Las Vegas for the night of the 11th. Further information concerning field trip details and registration are available by contacting the RMAG office, 1615 California Street, Suite 505, Denver, Colorado 80202, (303) 573-8621.



PETROLEUM AUXILIARY

The Petroleum Auxiliary will have their meeting March 20 at the Riverside Clubhouse. It will be a covered dish luncheon, beginning at 11:30 A.M. The hostesses are: MRS. F. DEAN KEBERT; Chairman, MRS. NORWOOD VARNADO, MRS. JIMMIE E. WALKER, MRS. BENTON R. VERNON, and MRS. RANDY JAMES.

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SCHLUMBERGER

# Mississippi Geological Society

P.O. Box 422

Jackson, Mississippi 39205  
PUBLICATIONS LIST

9-1-78

## MAPS AND PRODUCTION DATA FOR OIL AND GAS FIELDS

1. Wilcox Files of Southwest Mississippi, 171 fields, 350 pp. .... \$18.00

## MESOZOIC-PALEOZOIC FIELDS OF MISSISSIPPI AND ALABAMA

2. Vol. I, 1957, 57 fields, 154 pp., 2 composit logs, clothbound. .... \$ 3.00  
3. Vol. II, 1963, 77 fields, 143 pp., 3 ring binder (Includes Supplement I) ..... \$ 7.50  
4. Supplements 2 through 7 for Vol. II ..... \$ 7.50  
5. Supplements 6 & 7 (1972) for Vol. II ..... \$ 5.00  
6. Vol. I & II, with all supplements (1 through 7) ..... \$18.00

## FIELD TRIP GUIDE BOOKS

7. Seventh Field Trip - Pre-Cambrian and Paleozoic Rocks of Northern Alabama and South-Central Tennessee, August, 1949, 89 pp. 30 illustrations. .... \$ 4.00  
8. Eleventh Field Trip - Paleozoic Rocks, Central Tennessee and Northwest Alabama, May, 1954, 67 pp., 28 illustrations. .... \$ 4.00  
9. Fourteenth Field Trip - Upper Cretaceous of Northeast Mississippi and West Central Alabama, May, 1959, 29 pp., illustrated with road log. .... \$ 2.50  
10. Fifteenth Field-Trip - Cenozoic of Southeastern Mississippi and Southwestern Alabama, May, 1960, 52 pp., illustrated with road log. .... \$ 3.00  
11. 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 ..... \$ 5.50  
12. Seventeenth Field Trip - Paleozoic Rocks of the Arkansas Valley, May, 1963, 48 pp., illustrated with road log and correlation chart ..... \$ 5.50



NOTE: The Guidebook Series is not an annual publication. The books are guides to field-trips sponsored by the Mississippi Geological Society. New editions will be published in the future.

**OTHERS**

- 13. Mesozoic Composite Log of South Mississippi and South Alabama, October, 1957..... \$ 1.00
- 14. Paleozoic Composite Log of Black Warrior Basin, Mississippi and Alabama..... \$ 1.00
- 15. Paleozoic X-Sections—Black Warrior Basin, 5 Sections..... \$ 7.00
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- CALENDAR -

- MARCH 7 - M.G.S. CONTINUING EDUCATION  
Primos Northgate  
6:00 P.M. - Dinner  
7:00 P.M. - Lecture -  
Dr. Richard Molola  
"Sandstone Depositional Environments"
- MARCH 13 - M.G.S. NOON MEETING  
Smackover Room, Petroleum Club
- MARCH 19 - JACKSON GEOPHYSICAL SOCIETY  
5:30 P.M. - Primos Northgate
- MARCH 20 - PETROLEUM AUXILIARY  
11:30 A.M. - Riverside Clubhouse
- APRIL 1-4 - A.A.P.G. CONVENTION  
Houston, Texas

# NEWS

## BULLETIN

mississippi geological society



VOLUME XXVI No. 7, APRIL, 1979

LADIES NIGHT SPRING FLING  
APRIL 10, 1979

The M.G.S. annual SPRING FLING, organized by T.C. RADER and FRANK FRASCOGNA, will be at the Capital City Petroleum Club APRIL 10, Tuesday night. T.C. and FRANK have worked extra hard on arrangements that will offer everyone a fun and entertaining evening, so start making your plans to attend!

Kickoff time is 6:30 P.M., with registration on the 18th floor by the fountain. The cocktail hour will be from 6:30 to 7:30 at the penthouse, and the dinner will be from 7:30 to 8:45 in the main dining room. T.C. has also arranged a fine menu!

As in the past, tables will be set for groups of 6 and groups of 8. The first three tables (as you enter) are reserved as the head tables.

From 9:00 till midnight, FRANK has arranged for dancing to the music of ED BUTLER'S BAND. T.C. has also arranged plenty of door prizes for the ladies. A cash bar will be open from 9:00 till midnight.

Costs per couple is \$12.00. President AULTMAN feels this is the minimum price and still a bargain! Let's make this "SPRING FLING" the biggest yet!

Because of committment responsibilities, T.C. must have your reservation by noon, Saturday, APRIL 7. Please call T.C. at the office, 969-3286, or at home, 956-6977.



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## PRESIDENT'S NOTES

T.C. RADER and FRANK FRASCOGNA have really outdone themselves again. If the advance billing is any indication, the "SPRING FLING" will be a roaring success. I hope all members, guests and wives will be able to attend and believe a good time is in store for all.

Plans have been finalized for the Spring Barbecue. Although Daddy-O Phillips will not be there as in previous years, T.C. informs me that Halliburton has another cook just as good as Daddy-O. T.C. will be barbecuing as before.

A slate of candidates will be presented in the forthcoming edition of the Bulletin. Elections will be held at the barbecue. Dave Cate is chairman of the candidate selection committee.

Finally, the report concerning new government regulations affecting drilling and production given by Wyatt Craft at our last meeting was both enlightening and alarming. If these regulations are passed and enforced as written they will impose a crippling blow to the petroleum industry and general public.

LES AULTMAN

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- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
February 19, 1979

PRESENT: LESTER AULTMAN, PHILIP REEVES, PHIL COOK, JIM SMITH, STEVE OIVANKI, and SIMEON KING

PROJECTION COMMITTEE: A motion was passed to purchase a second projector. The cost is \$219.00. OIVANKI also is to obtain the cost for two screens.

TREASURY: A motion was passed for COOK to put surplus funds from the M.G.S. checking account into a savings account.

PARLIAMENTARY: REEVES requested a Roberts Rules of Order be purchased.

PUBLICATIONS: SMITH announced that the student at Millsaps who handles the mailing of publications will graduate in May. SMITH suggested that another student be considered for the job.

ENTERTAINMENT: T.C. RADER has resigned from Halliburton and is now with Clarko. Arrangements are being prepared for the annual Spring Barbecue.

ELECTION: STEVE OIVANKI was elected at the February M.G.S. meeting as secretary.

- HIGHLIGHTS -  
M.G.S. BOARD MEETING  
March 19, 1979

PRESENT: LESTER AULTMAN, PHILIP REEVES, JIM SMITH and STEVE OIVANKI

A.A.P.G.: AULTMAN announced that a M.G.S. member is needed to take M.G.S. publications to A.A.P.G. convention in Houston.

ENTERTAINMENT: T.C. RADER is preparing arrangements for Ladies Night.

PROJECTION: A motion was passed to purchase two screens. The screens costs \$125.00 each.

MEMBERSHIP: Seven new members were approved. Total membership is 435 active and associate members and 18 student members.



- PROGRESS REPORT -  
February

ALABAMA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	0	1	0
Jurassic	0	0	8
Paleozoic	0	0	2

EXPLORATORY FOOTAGE: 122,404'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	1	0	0
Paleozoic	0	3	0

FLORIDA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	0	0	1

EXPLORATORY FOOTAGE: 12,603'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	1	0	0

MISSISSIPPI

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	0	0	8
Up. Cret.	0	0	2
Lwr. Cret.	3	0	5
Jurassic	0	0	1

EXPLORATORY FOOTAGE: 202,031'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	3	0	2
Up. Cret.	0	0	1
Lwr. Cret.	0	3	1
Jurassic	0	0	1
Paleozoic	0	1	2

- DISCOVERIES -

UNNAMED (re-entry) 2-26-79

Amoco Prod. Co.

#1 Roy A. Amos

32-7S-4E, Baldwin Co., Ala.

O.T.D. 5172; P.B.T.O. 1683

Lwr. Miocene Sd. pfs. 1664-74

F/950 MCFGPD 20/64 T F.T.P. 380#

BROOKHAVEN (deep) 2-01-79

Chevron, U.S.A., Sun Oil & Marshall R. Young

#1 Hamlin Smith, et al

4-7N-7E, Lincoln Co., Miss.

T.D. 18,519 (Hosston)

Poluxy pfs: 12,301-327

P/22 BO + 69 BWPD (42<sup>o</sup>Gr.)

KEARNEY 2-10-79

Freedom Oil - Victor P. Smith

#1 Crawford

22-9N-1W Madison Co., Miss.

T.D. 10,543 (Hosston)

Rodessa pfs: 9526-44

P/101 BOPD (40<sup>o</sup>Gr.)

PUCKETT (New Pay) 2-08-79

Transcontinental Oil

#1 William Allen 14-10

14-3N-5E Rankin Co., Miss.

T.D. 11,018 (Rodessa)

Paluxy pfs: 9296-9300

FARD 1100 MCFGPD

10/64 T F.T.P. 2500#

MILL CREEK 2-01-79

Northshore Expl.

#1 Tatum

20-9N-6W, Wayne Co., Miss.

T.D. 15,170 (Smackover)

Cotton Valley pfs: 11,915-925

P/94 BOPD (35.6<sup>o</sup>Gr.)



JACKSON GEOPHYSICAL SOCIETY MEETING  
APRIL 9  
1979 DISTINGUISHED LECTURE OF THE SOCIETY  
OF EXPLORATION GEOPHYSICISTS

INFLUENCE OF BASEMENT TECTONICS ON  
DEPOSITIONAL SYSTEMS AND SEISMIC STRATIGRAPHY

The new field of seismic stratigraphy has focused attention on the reconstruction of depositional models in which seismic responses can be evaluated and interpreted. In many exploration programs, geologists and geophysicists limit their work to processing data from relatively thin petroleum-productive sequences. Amplitude and other seismic anomalies and porosity variations are studied in search for the elusive stratigraphic trap without concern for what geologic conditions are present at the deeper basement level.

Current research in oil-productive basins indicates that recurrent movement on basement fault systems during deposition may have had an important influence on the distribution of "reservoir rock," on early fracture systems controlling petroleum migration, and on other subtle trapping mechanisms. The concept of drape folding over basement faulting can be related to the concept of fault control of facies changes. Therefore, establishment of fault trends in the basement may aid in predicting stratigraphic traps. Using this approach, success in exploration may be improved by developing exploration models which incorporate basement level tectonics with stratigraphic and seismic anomalies occurring at shallower depths.

## Biography

Dr. Robert J. (Bob) Weimer is the Getty Professor of Geological Engineering at Colorado school of Mines in Golden. His current professorship is the latest of five positions he has held at CSM since becoming an Assistant Professor there in 1957. Dr. Weimer headed the CSM Department of Geology between 1964 and 1969.

## L.S.U. FACULTY POSITIONS

The Department of Geology, Louisiana State University, anticipates adding three new faculty members for the fall of 1979. The department expects to hire a specialist in stable isotope geochemistry; in addition applications are encouraged from individuals with backgrounds in one or more of the following: Stratigraphy and tectonics of stratigraphy-exploration seismology, clastic sedimentary diagenesis-low-grade metamorphism, marine geology/geophysics, earthquake seismology, or organic geochemistry. We welcome applications in other fields of geology as well. Appointees will be responsible for teaching at the undergraduate and graduate levels and will be expected to develop innovative research and graduate training programs. All applicants should submit a resume, a brief statement of their teaching and research interests, and three letters of recommendation to RAY E. FERRELL, JR., CHAIRMAN; DEPARTMENT OF GEOLOGY; LOUISIANA STATE UNIVERSITY; BATON ROUGE, LA 70803. LSU is an equal-opportunity/affirmative action employer.



ENERGY EVALUATION OF FEDERAL LANDS VITAL  
TO NATION'S FUTURE, GEOLOGISTS SAY

WASHINGTON, D.C. -- Access to federal lands to determine the quantity and quality of possible mineral resources is vital to the future of the United States, according to Robert D. Gunn, president of the American Association of Petroleum Geologists.

"For wilderness or scenic reasons we may not wish to develop these energy resources at the present time, but for our future national security we must know what is available to be developed," said Gunn, in testimony today before the Senate Committee on Agriculture, Nutrition and Forestry.

Gunn commended the Forest Service's RARE II study recommendations, which would classify major acreage primarily in the Rocky Mountain area, but reminded the Committee that 90 percent of the oil found in the U.S. in the future will be on federal lands.

Classification would determine future status of federal lands. They could be designated as wilderness, multiple use--open in part to exploration and development--or requiring further study.

"It's increasingly important the acreage be made available to the oil and gas industry for judicious exploration and development," Gunn said.

Gunn emphasized that given the unstable situation in the Middle East, it is vital that the United States explore energy potential in every domestic area--both on--and offshore.

Gunn said that new exploration technology would allow geologists to evaluate the energy potential of these lands without harming their wilderness qualities.

"We are as concerned as the environmentalists," he added, "and are dedicated to maintaining those areas that are uniquely wilderness in their present state."

Gunn said that preliminary research indicates that most of the oil and gas will be found in areas which are not uniquely wilderness.

In his testimony, Gunn offered the expertise of the AAPG--the largest geoscientific society in the world--to the Senate subcommittee as they begin RARE II determinations.

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601-969-9111

GENERAL CRUDE OIL COMPANY

P. O. Box 2252  
Houston, Texas 77001

HUGHES & HUGHES

1122 Capital Towers  
Jackson, Mississippi 39201  
601-969-6600

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Jackson, Mississippi 39201  
Phone: 355-1542

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Jackson, Miss. 39206 Home: 601-939-0390

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P. O. BOX 422  
JACKSON, MS 39205



George B. Vockroth  
Vantage Oil Co.  
6221 Ferncreek Drive  
Jackson, MS 39211

- CALENDAR -

APRIL 9 - JACKSON GEOPHYSICAL SOCIETY  
5:30 P.M. Primos Northgate

APRIL 10 - M.G.S. LADIES NIGHT SPRING FLING  
Capital City Petroleum Club  
6:30 P.M. - Midnight

APRIL 11 - PETROLEUM AUXILIARY  
Trip to St. Francisville



# NEWS

## BULLETIN

mississippi geological society



VOLUME XXVI, No. 8, MAY, 1979

### MAY 15: BARBECUE AND ELECTION

The Mississippi Geological Society's annual Spring Barbecue will be Tuesday, May 15. Due to flooding circumstances the location has not been determined. However, please ask location when you make your reservation. The doors will open at 4:30 P.M., and dinner will be served at 6:30 P.M. The election of officers for 1979 - 1980 will be conducted prior to the dinner.

Brief biographies of each candidate are in this issue of the newsletter. Your vote could make a difference, so please get to the barbecue before 6:30. Anyone unable to attend the barbecue should contact STEVE OIVANKI (948-0579) for an absentee ballot.

As in the past T. C. RADER will be in charge of the barbecue. As all of us know, T. C. always does an excellent job and this year's will be true to form! Since the barbecue is the closing M.G.S. meeting for the 1978 - 1979 year, start making your plans to attend!

Since the Spring Barbecue is always a success it is very important to make your reservations in advance. Please contact T. C. at 969-3286 no later than noon, Monday, May 14. Also, T. C. needs the help of any volunteers who may have some spare time during the day.

MISSISSIPPI GEOLOGICAL SOCIETY

OFFICERS:

PRESIDENT - LES AULTMAN - MIDROC-WATKINS  
1ST VICE PRES. - PHILIP REEVES - HUGHES&HUGHES  
2ND VICE PRES. - JIM SMITH - PRUET OIL  
SECRETARY - STEVE OIVANKI - INDEPENDENT  
TREASURER - PHIL COOK - FOREST OIL  
PAST PRESIDENT - SARAH CHILDRESS - LARCO

DELEGATES:

A.A.P.G. - ALAN JACKSON - INDEPENDENT  
A.A.P.G. - CHARLIE WILLIAMS - MIDCONTINENT  
G.C.A.G.S. - SARAH CHILDRESS - LARCO

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PROJECTION - STEVE OIVANKI - INDEPENDENT  
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RED BOOK COMMITTEE:

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VERNE CULBERTSON - INDEPENDENT  
VAUGHN WATKINS - MIDROC-WATKINS  
RICK ERICKSEN - PRUET OIL



## PRESIDENT'S NOTES

With the closing of the 1978 - 1979 Mississippi Geological Society Year I would like to take this opportunity to thank all of our members who have given of their time and talents. Special thanks are due Simeon King, Editor of the Bulletin, and as usual, T. C. Raider, "doer". Harry Spooner did an outstanding job procuring speakers. The Society, through the efforts of Larry Baria, offered a continuing Education Seminar that was very well received. I would also like to thank my fellow officers Phil Reeves, Jim Smith, Tom Siwula, Steve Oivanki and Phil Cook for their devotion to Society needs this past year.

Financially, we had a good year and special thanks are due our contributors and also to those who advertised in the Bulletin. You will find our Financial Report printed in this Bulletin.

Also, printed in this Bulletin are the 1979 - 1980 Candidates. Dave Cate and his committee have selected a well qualified group. Phillip Reeves will assume the Presidents office on June 1.

Absentee ballots are obtainable from Steve Oivanki for those unable to attend the Spring Barbecue.

The location of the barbecue will be moved this year due to Fowler Buick being flooded. The Fowler Lodge is being used for storage of evacuated material.

Due to the recent flood some of our members and many friends suffered extensive damage to their homes and other personal properties. There is much work yet to be done before these people can get back into their homes and much of this can be done by good friends.

LES AULTMAN

1979 - 1980 OFFICER CANDIDATES FOR  
MISSISSIPPI GEOLOGICAL SOCIETY

CANDIDATES FOR FIRST VICE PRESIDENT  
PRESIDENT ELECT

MARSHALL K. KERN

Education: B. S., 1951, Millsaps College

Employment: 1951 - 1959, Pan American Oil Co.  
(formerly Standard Oil & Gas Co.)

1959 - 1969, Consultant

1961 - 1965, Mississippi Economic, Topo-  
graphic, and Geological Survey

1965 - 1968, Consultant

1968 - 1971, Lone Star Producing Co.

1971 - 1976, Mann Company

1976 - - , Consultant

Societies: A.A.P.G., M.G.S., J.G.S., M.A.P.L.  
(Assoc. Director)

JIM SMITH

Education: B. S., 1967, Millsaps College; M.S.  
1969, University of Alabama

Employment: 1969 - 1975, Cities Service

1975 - 1977, Skelly

1977 - 1978, R. L. Burns

1978 - - , Pruet Oil Co.

Societies: A.A.P.G., S.E.P.M., A.P.G.S., Ala-  
bama G.S., Lafayette G.S., Shreveport G.S.,  
M.A.P.L., J.G.S., M.G.S. (Second Vice Presi-  
dent)

CANDIDATES FOR SECOND VICE PRESIDENT

LARRY BARIA

Education: B. S., 1967, Northeast Louisiana  
State College; M. S., 1970, Northeast Louis-  
iana University, PH.D., , Louisiana  
State University



Employment: 1974 - 1976, Getty Oil Co., Research Lab  
1976 - 1978, Ensearch Exploration Co.  
1978 - - , Tideway Oil Company  
Societies: A.A.P.G., G.S.A., I.A.S., M.G.S., S.E.G., S.E.P.M.

PHIL COOK

Education: B. S., 1973, University of Southern Mississippi, M. S., 1975, University of Southern Mississippi  
Employment: 1975 - 1977, Amoco  
1977 - - , Forest Oil Company  
Societies: A.A.P.G., G.S.A., New Orleans G.S. M.G.S. (Treasurer)

CANDIDATES FOR SECRETARY

BILL IRWIN

Education: B. S., 1974, Memphis State University, M. S., 1976, Memphis State University  
Employment: 1973 - 1976, International Oil & Gas  
1976 - - , Union Oil Company of California  
Societies: A.A.P.G., J.G.S., M.G.S.

STEVE OIVANKI

Education: B. S., 1971, Louisiana State University, M. S., 1973, Louisiana State University  
Employment: 1973 - 1976, Pennzoil Producing Company  
1976 - 1979, Shenandoah Oil Corporation  
1979 - - , Independent  
Societies: A.A.P.G., S.E.P.M., Shreveport G.S., M.G.S. (Secretary)

CANDIDATES FOR TREASURER

PHIL GUNTER

Education: B. S., 1970, Mississippi State University, M. S., 1975, Mississippi State University

Employment: 1970 - 1974, Cities Service  
1974 - 1975, Getty Oil  
1975 - 1977, American Quasar  
1977 - - , First Energy Corporation

Societies: A.A.P.G., S.E.P.M., M.G.S.

JOHN MARBLE

Education: B. S., 1974, Mississippi State University

Employment: 1974 - 1977, Mississippi Geological Survey  
1977 - 1979, Cities Service  
1979 - - , Forest Oil Company

Societies: M.G.S.

EDITOR'S NOTE

Since this is the last M.G.S. newsletter for this year, I wish to express thanks to all of the people who helped to publish the newsletter. Special thanks to Mickey McQuire - Progress Report, Jan Quilty - typist, Les Aultman - President, Bill Irwin, Don Turner and Steve Benedetti - proof readers, Harry Spooner - Programs, Dean Kebert - Advertisement, Steve Oivanki - Secretary, Brian Houlihan - Geophysics, and T. C. Raider - Entertainment.

Simeon King



MISSISSIPPI GEOLOGICAL SOCIETY  
TREASURER'S REPORT  
June 8, 1978 to April 9, 1979

CREDITS

Bulletin Advertising	\$ 2,350.00
Publications	3,013.30
Meetings	5,186.00*
Contributions	550.00
Dues	3,772.00
Continuing Education	602.75
Photo Directory Sales	25.81
Miscellaneous	438.63
TOTAL.....	<u>\$15,938.49</u>

DEBITS

Printing Costs	\$ 1,776.24
Meetings	3,286.65
Secretarial and Service	609.00
Postage	1,025.77
Office Supplies	172.11
Storage	300.00
Equipment Purchase and Rental	665.84
Audit and Accounting	125.00
GCAGS and AAPG	335.00
Continuing Education	690.00
Savings Deposits	5,000.00
Miscellaneous	818.54*
TOTAL.....	<u>\$14,804.15</u>

BANK BALANCE (6/8/78)	\$ 422.59
INCOME (6/8/78 to 4/9/79)	15,938.49
TOTAL.....	<u>\$16,361.08</u>

EXPENSES (6/8/78 to 4/9/79) \$14,804.15

BANK BALANCE (4/9/79)..... \$ 1,556.93

SAVINGS ACCOUNTS - 4/9/79

First National - (Golden)	\$ 3,519.78
First National - (Silver)	1,507.62
Unifirst - (Golden)	<u>3,998.45</u>
TOTAL.....	<u>\$ 9,025.85</u>

BANK BALANCE 4/9/79	\$ 1,556.93
PLUS SAVINGS 4/9/79	<u>9,025.85</u>

TOTAL CASH ON HAND 4/9/79..... \$10,582.78

\* Figure includes \$750.00 cash drafts used for collection change at eight meetings.

- PROGRESS REPORT -  
(MARCH, 1979)

ALABAMA

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Jurassic	0	0	2
Paleozoic	0	0	2

EXPLORATORY FOOTAGE: 45,373'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	1	0	1
Paleozoic	0	2	4

FLORIDA

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Lwr. Cret.	0	0	1
Jurassic	2	0	0

MISSISSIPPI

<u>EXPLORATORY</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	8
Up. Cret.	0	0	3
Lwr. Cret.	0	0	1
Jurassic	0	0	4
Paleozoic	0	1	1

EXPLORATORY FOOTAGE: 168,735'

<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	2	0	4
Up. Cret.	2	0	1
Lwr. Cret.	0	2	2
Jurassic	1	0	1



- DISCOVERIES -

Unnamed 3-10-79  
Warrior Drlg. & Pruet Oil  
#1, Coats 10-9  
Section 10-14S-14W, Lamar County, Alabama  
T.D. 2891 (Paleozoic)  
Carter Sd. Pfs: 2245-79 (OA)  
F/1800 MCFGPD 26/64" ck. F.T.P. 595#

Unnamed 3-12-79  
Warrior Drlg. & Engr.  
#1, Republic Steel 9-13  
Section 9-17S-10W, Tuscaloosa County, Alabama  
T.D. 5940 (Paleozoic)  
Lewis Sd. Pfs: 3847-57  
F/487 MCFGPD 18/64" ck. F.T.P. 225#

Unnamed 3-02-79  
Grace Petroleum  
#1, Davis 32-7  
Section 32-21N-13E, Clay County, Mississippi  
T.D. 12,700 (Paleozoic)  
Davis Sd. (Penn) Pfs: 4618-75 (OA)  
F/415 MCFG + 25 BWPD 16/64" ck. F.T.P. 400#

North Tar Creek 3-22-79  
Callon Petroleum  
#1, Crosby SR  
Section 28-4N-1E, Wilkinson County, Mississippi  
T.D. 7010 (Wilcox)  
Wilson Sd. Pfs: 4739-41½  
F/120 BOPD (42 Deg. GA) 16/64" ck. F.T.P. 100#

SYMPOSIUM II  
UNCONVENTIONAL METHODS IN EXPLORATION  
FOR PETROLEUM AND NATURAL GAS

Re: Energy Forum in September, 1979

DALLAS -- February 20, 1979 -- What good is the latest scientific technology in the discovery of energy resources if that knowledge is not widely and effectively applied?

With this premise, "Symposium II on Unconventional Methods in Exploration for Petroleum and Natural Gas" is planned in Dallas September 13 and 14, 1979 as a means of speeding the diffusion of technology to a broader base.

Under the auspices of the Institute for the Study of Earth and Man at Southern Methodist University, the second such symposium in 11 years brings together top scientists to share exploration methods.

According to Institute President William B. Heroy, Jr., the symposium at the Dallas Hilton Inn expects to attract 500 earth scientists and independent producers.

He explained that the term "unconventional" refers as much to the method's relatively restricted application as it does to its novelty.

Top specialists in the fields of geology, geochemistry, geophysics, and geomorphology will speak on such topics as "The Uses of Temperature Data in Petroleum Exploration," "Exploration Radiometrics: Post Survey Drilling Results," "Transient Electromagnetic Sounding in the Near Zone," "Hydrocarbon Geochemical Prospecting After Forty Years" and "Airborne and Ground Rapid Reconnaissance Methods Based on Surface Micro-layer Geochemistry."

Symposium II is underwritten by major oil companies, independent producers and petroleum service companies.



Information about registration is available from the Institute for the Study of Earth and Man, Southern Methodist University, Dallas, Texas 75275, or by calling (214) 692-3488.

#### SHREVEPORT GEOLOGICAL SOCIETY

The Shreveport Geological Society is planning a field trip to Northeast Mexico May 23 - 26. The purpose of the trip is to examine outcrops of the Lower Cretaceous and Jurassic sediments in the vicinity of Monterrey and Saltillo. The field trip will be led by Dr. Al Weidie of University of New Orleans, J. L. Nichols, and Steve Oivanki. Anyone interested in participating can call Lee Kincade (318) 424-7375 or J. L. Nichols (318) 861-0591 for further details.

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SPOONER PETROLEUM COMPANY 1988 Deposit Guaranty Plaza Jackson, Mississippi 39201
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Jackson, Mississippi 39201

ROBERT WOMACK, JR.  
Consulting Geologist 601-353-4650  
1508 Standard Life Bldg., Jackson, Miss. 39201

MILLER OIL PURCHASING COMPANY  
A Division of Ergon, Inc.  
P. O. Box 1308 Jackson, Miss. 39205

THE ANALYSTS  
Mud Logging  
Laurel, Mississippi Phone: 649-3444

BROWNING & WELCH  
GEOLOGISTS  
Suite 1411 Standard Life Building  
Jackson, Mississippi 39201

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Laurel/ TOM SWISHER /601-425-3394  
Mobile/ DAVE HILSEE /205-456-2271  
New Orleans/ E. J. CARR /504-581-5222  
LARRY TUCKER, District Manager  
CORE ANALYSIS and WELL LOGGING

CRUDE OIL PURCHASING, INC.  
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Jackson, Mississippi 39205  
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Laurel, Miss. Shreveport, La. Longview, Tex.  
601-428-5293      318-226-0037      214-757-3277

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Jackson, Miss.: 39205      601-969-0100  
MELVIN TROTTER  
Area Exploration Manager

EXPLORATION SURVEYS, INC.  
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&      Dallas, Texas 75206  
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GENERAL CRUDE OIL COMPANY  
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Houston, Texas 77001

HUGHES & HUGHES  
1122 Capital Towers  
Jackson, Mississippi 39201  
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Suite 1700 Capital Towers  
Jackson, Mississippi 39201  
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BOB LEGATE  
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Jackson, Miss. 39206 Home: 601-939-0390

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CORE ANALYSIS - - - - - On or Off Location  
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P. O. BOX 422  
JACKSON, MS 39205

George B. Vockroth  
Vantage Oil Co.  
6221 Ferncreek Drive  
Jackson, MS 39211

CALENDAR

- MAY 15: M.G.S. SPRING BARBECUE  
4:30 P.M.  
(Call T. C. Raider at 969-3286 or  
any officer for location)
- MAY 18: JACKSON GEOPHYSICAL SOCIETY  
Spring Picnic