

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 1, SEPTEMBER, 1977

MORGUE

BARBEQUE AT FOWLER LODGE SEPT. 27

The Mississippi Geological Society Fall Barbeque will be held at Fowler Buick Lodge on Tuesday, Sept. 27. The lodge doors will be opened at 4:30 P.M., and beer will be available from then until closing. The barbeque will be served at 6:30 P.M. Also, as usual, dues must be up to date. Dues may be paid to Secretary, WIN HOWARD, in advance or at the door the evening of the barbeque.

We are again fortunate to have T. C. RADER and J.C. (DADDY-O) PHILLIPS as our gourmet chefs this year. They have averted to outdo their last year's performance (which will take some fantastic effort!). This duo can prepare a mouth-watering feast without a doubt. They would like to have a few helpers, so if you are at all interested in helping, contact T. C.

The menu will be:

- Hors d'oeuvres - barbequed sausages
- Meats - barbequed beef, ribs, and ham steaks
- Vegetables - barbequed beans, potato salad
- Hot biscuits, olives, pickles, etc.
- Beer, coffee, tea

Reservations are a must, and everyone planning to attend should call T. C.'s office at 948-4128 no later than noon Monday, September 26.

unless you have done it yourself. Anyway, as you can see, BILL has come up with a new format that I find very pleasing. It will come to you readers more quickly and will also save the Society a great deal of money.

We continue to work on updating the Red Book, a project started by DAVE CATE. This year JOE FRITZ will be in charge. Please help him in any way that you are able.

LARRY BARIA is in charge of Continuing Education and plans to have at least two, and possibly three, seminars this year. BILL IRWIN, our projectionist, will be there to help with any visual aids.

I do hope that the Society year will be worthwhile to you. It can only be what you, the members, make it. Let's start it off with a good turn - out at our September beer bust.

SARAH CHILDRESS

FRIENDS OF THE SOCIETY

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HIGHLIGHTS
M.G.S. BOARD MEETING

August 29, 1977

Present: SARAH CHILDRESS, LES AULTMAN, DON TURNER,
WIN HOWARD, JOE FRITZ, BILL MCGEE

Field Trip - Committee members announced as: Editor,
BILL MOORE; Guidebook Advertising, JERRY ZOBLE ;
Transportation, JOHN MARBLE; Assistants, ALVIN
BICKER, RON TISDALE, and DON TURNER

Photo Directory - response to questionnaire favorable
enough to warrant publishing. Currently being as-
sembled with photos of 60% of members to date; more
photos expected before press date (September 6,
1977).

Program - COOK has scheduled speakers for one night
meeting and four noon meetings, leaving temporarily
open one spring meeting.

Bulletin - current printing costs and quality necessi-
tate changes in the Bulletin assembly. Efforts
will be made to provide an adequate Bulletin at
substantially less cost.

Finances - TURNER reported the account books were
being audited. Membership dues are to be mailed
by September 1, 1977.

Log Library - Getty now has duplicate files following
the Getty-Skelly merger. FRITZ is to contact Getty
to ascertain the possibility of acquiring their
surplus logs and scout data for a Society-sponsored
log library.

Bylaws Amendments - proposed amendments concerning
improved operational finance methods were dis-
cussed. Approved for presentation to the member-
ship at the October meeting.

LAFAYETTE GEOLOGICAL SOCIETY ✓

New officers of Lafayette Geological Society for the 1977 - 1978 term are: President, JACK CAMPIONE; First Vice President, CHARLES CUTRIGHT; Second Vice President, FRANCIS BROUSSARD; Secretary, JIM MONTGOMERY; Treasurer, JOHN HARRIS; Director, PAT HURLEY; Director, JOHN SCHOELEN.

MISSISSIPPI OIL SCOUTS ASSOCIATION *not all now.*

New officers of the Mississippi Oil Scouts Association for the 1977 - 1978 term are: President, RAY CARLIN; Vice President, HAROLD KENNEDY; Secretary-Treasurer, CHARLES RHODES; Editor, L.A. (MICKEY) MCGUIRE.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS ✓

New Officers of the A.A.P.G. for the 1977-1978 term are: President, EDD TURNER; President - Elect, BOB GUNN; Vice President, E. P. KERR; Secretary, JOHN AMORUSO; Editor, JOHN SHELTON; GEORGE GALBRAITH continues as Treasurer.

M.G.S. SPRING FIELD TRIP

STEWART WELCH, Field Trip Committee Chairman, reports that the next M. G. S. - sponsored field trip will be held next spring, tentatively during April, 1978. Because of high industry interest, the trip will focus on Mississippian rocks exposed in northwestern Alabama. The guidebook will include several original papers, among which will be papers on the controversial source areas for Mississippian rocks in northwest Alabama and northeast Mississippi.

BYLAWS AMENDMENTS PROPOSAL

The current bylaws require the signatures of both the President and the Treasurer on all checks. There have been occasions where one or the other have been absent (due to unexpected illness, business trips, etc.) at the precise time when disbursements were necessary, resulting in some confusion and causing extra, undue effort. These experiences indicate the need for a more flexible arrangement regarding the routine disbursements of operational monies. Accordingly, the Board has approved the proposal of two bylaws amendments; the proposals will be presented to the membership at the regular October meeting. The proposals are set forth as:

Amend Article IV - Officers and Board of Directors,
Section II: Duties of the President and Section IV :
Duties of the Treasurer.

SECTION II:

It now reads as follows:

The duties of the President shall be to preside at all meetings, maintain order, call special meetings subject to the approval of the Board of Directors, appoint all committees, and shall delegate members to represent the Society. He may at his option serve on any committee. He shall, together with the Treasurer, sign all checks, drafts, contracts, and all other obligations of the Society. In the temporary absence of any other officer of the Society, he shall have the power to appoint a member to assume duties pro tempore.

Change to read:

The duties of the President shall be to preside at all meetings, maintain order, call special meetings subject to the approval of the Board of Directors, appoint all committees, and shall delegate members to represent the Society. He may at his option serve on any committee. He shall, together with the Treasurer, sign all checks; but, in the absence of the Treasurer,

shall secure the signature of one other officer. Drafts, contracts, and all other obligations of the Society shall be signed by the President and Treasurer. In the temporary absence of any other officer of the Society, he shall have the power to appoint a member to assume duties pro tempore.

SECTION IV:

It now reads as follows:

The Treasurer shall assume the duties of the President in case of the temporary absence of both the President and the First Vice President. He, together with the President, shall have charge of the financial affairs of the Society. He shall submit an annual report and inventory at the last meeting before the summer recess, and any other special reports upon the request of the President. He shall receive and disburse all monies; however, expenditures in excess of one hundred dollars shall be made only with the approval of the Board of Directors. During the month of August, the Treasurer shall send statements or notices of dues to all members, except honorary members.

Change to read:

The Treasurer shall assume the duties of the President in case of the temporary absence of both the President and the First Vice President. He, together with the President, shall have charge of the financial affairs of the Society; but, in the absence of the President, checks may be disbursed with the signature of one other officer. He shall submit an annual report and inventory at the last meeting before the summer recess, and any other special reports upon the request of the President. He shall receive and disburse all monies; however, expenditures in excess of one hundred dollars shall be made only with the approval of the Board of Directors. During the month of August, the Treasurer shall send statements or notices of dues to all members, except honorary members.

- MEMORIAL -

OLETA R. HARRELL

On Friday, August 26, 1977, OLETA HARRELL passed away in Jackson, Mississippi, following a lengthy illness. She was buried in Austin, Texas.

Born in Coffeerville, Kansas, Oleta was the only child of parents who soon moved to Texas. Through her father, a cable - tool driller, she developed an interest in geology as a child. After graduating from the University of Texas, where she was Phi Beta Kappa, Oleta was employed by the Bureau of Economic Geology. Following her stint with the Bureau, she was employed by Sun as a micropaleontologist until she retired.

Having lived in Jackson some 38 years, Oleta was a member of M. G. G., the Petroleum Auxiliary, and the Petro Club. Because of her contributions to the knowledge of the geology of Mississippi and her service to M. G. S., she was awarded Honorary Membership in our Society in April, 1977.

Oleta was an untiring fellow worker whose efforts were an inspiration to all of us. Her devotion to Gulf Coast geology, and paleontology in particular, gave many fellow geologists an awakened confidence in the profession. Her presence aroused respect and friendship in us all. Her talents gave a touch of quality to our work. For this we are grateful.

FIRST CALL FOR '78 G.C.A.G.S.
CONVENTION PAPERS

The 1978 GCAGS Convention, to be in New Orleans on October 11 - 13, is planned to include two thematic approaches for technical papers. These are "Old Plays-New Pays" and "The Lights That Failed - Significant, Unsuccessful Prospects". The first category, with different stratigraphic illustrations for the various provinces of the Gulf Coast, would involve the current reincarnation of productive sections with a traditional history of accumulation now offering new emphasis through downdip projections and deeper drilling, the applications of state of the art geological-geophysical interpretations, and additional reserves through a better understanding of the reservoir characteristics and productive histories. The second is an attempt to take advantage of the learning process illustrated by medical post mortems and critiques of military maneuvers, i.e., how did a series of reasonable assumptions and judgements fall short of their objective in finding oil and gas accumulation? Our profession is mature enough to do this objectively, and the resulting case histories of failures should have real value for our continuing effort. Among other aspects, they would illustrate for the layman public why broad sweeping statements of potential reserves fall short of reality and how the risk factor in exploration must be given financial consideration for tax purposes.

This is an initial request to the Geological Societies in the Gulf Coast Association for authors of papers in these two areas. It is hoped that a sufficient number can be unearthed to have a tentative program in being by September. A response in the near future would be appreciated, including suggestions for papers with or without authors.

If a member of M.G.S. is interested, contact:

R. W. BOEBEL
1608 International Trade Mart
New Orleans, Louisiana 70130

NEW MEMBERS

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HOMER BEST, Independent, Jackson

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BEYNON S. CHESSMAN, Independent, Shreveport
BILLY C. COOK, L. L. & E., New Orleans

WILLIAM G. COX, Michigan-Wisconsin, Jackson
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JOHN B. FATHEREE, Edson, Lafayette
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WILLIAM C. HOOPER, Warrior Drlg., Tuscaloosa

SIMEON A. KING, Pruet & Hughes, Jackson
PHILIP E. LAMOREAUX, Ala. Geol. Survey, Tuscaloosa
ELLEN F. LEGGETT, Gemco, Columbia

ROBERT G. MURPHY, Block Exploration, New Orleans
JAMES M. NORRIS, Gemco, Columbia
LEE PETERSEN, Coquina, Jackson

CYRIL B. ROACH, Degolyer & McNaughton, Dallas
JOHN S. ROSS, Inexco, Houston
ELOI SALAMANCA, Fla. Gas, Jackson

BREN L. SIDEREAS, Sun, Dallas
GEORGE B. VOCKROTH, Vantage Oil, Jackson

MOVIN' ON

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LES AULTMAN, formerly with Pruet & Hughes, is now with Midroc - Watkins.

PERRY BARNHARD has switched from Cities Service to Michigan-Wisconsin Pipeline. His group will quarter in the new 620 North State Street Building.

DAVE BRASSFIELD left Tesoro in New Orleans and will open an office here for Petco.

WIN HOWARD has transferred to Dallas, where he is R.L. Burns' Exploitation Manager.

GEORGE ISBELL is now associated with Shenandoah.

JOHN MARBLE, formerly with the Miss. Geological Survey, is now at Cities Service.

JIM MAY no longer is with the Miss. Geological Survey; he has moved to Wilmington, N.C., where he works for the U.S. Corps of Engineers.

JOHN MYERS has been promoted to District Geologist-District Manager for Placid in New Orleans.

JOHN SHASTID also has been promoted to District Geophysicist for Union Oil in Ventura, California.

JIM SMITH is R. L. BURNS' new District Geologist-Office Manager in Jackson.

DAVID WILLIAMSON, formerly with the Miss. Geological Survey, now is L.L. & E.'s Coal Exploration Manager in Lafayette.

AUXILIARY PLANS MEMBERSHIP DRIVE

The Petroleum Auxiliary announced a membership drive along with a coffee on September 13, 1977, from 10 'til 12, at the home of MRS. STEVEN C. GREER, 2126 Sheffield Drive. The Auxiliary extended an invitation to all ladies interested in becoming members, and the invitation remains open, especially for newcomers.

NEW AUXILIARY OFFICERS

Newly elected officers of the Petroleum Auxiliary are: President, MRS. STEVEN C. GREER; First Vice President, MRS. RODNEY W. JEFFREYS, Second Vice-President, MRS. VERNE L. CULBERTSON; Secretary, MRS. BERNARD A. HOLMAN; Treasurer, MRS. DAVID K. BROOKS; Reporter, MRS. JAMES W. TWINER.

J.G.S. BARBECUE: SEPT. 15

The Jackson Geophysical Society will hold its annual fall barbecue on Thursday, September 15, at Costas' Lodge. J.G.S. President TOM WOOD announced that this "whole hog" barbecue will be held in conjunction with J. G. S.' annual membership drive. Also, according to TOM, there will be plenty of beer with the barbecue. The door will be open at 4:30 P.M.

PROGRESS
 May, June, July & August, 1977

Mississippi Completions --

<u>Exploratory</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	4	0	38
UK	0	0	9
LK	0	4	8
Jurassic	0	0	4
Paleozoic	0	1	2
<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	18	1	37
UK	8	1	9
LK	4*	8	7
Jurassic	2**	3	0
Paleozoic	2	0	1

* Includes 1 new field pay

** Includes 2 new field pays

Jaynesville Field

Mosbacher - Pruet & Hughes Co.

#1 Stroud-Polk Unit

17-9N-17W Covington County

Rodessa perfs -- 13,682-13,696'

IP 2800 MCFGPD, 36 BCPD, 14/64" ck

TP 2508#, GCR 77, 778-1, Gty 48°

Columbia Field

First Mississippi Corp.

#1 Pittman

17-4N-18W Marion County

Hosston perfs -- 16,011-16,027'

IPF 435 MCFGPD, 24 BWP, 32/64" ck

TP 114#

Lum Bayou Field

Hamon

#1 Patterson-U.S.A.-Chamberlain

16-8N-1W Jefferson County

Wilcox perfs -- 4081-4090'

IPP 10 BOPD, 1 BWP, Gty 35°

Steels Creek Field

Foley Oil- Byrne- Braswell

#1 Ventress

15-3N-3W Wilkinson County

1st Wilcox perfs -- 5346-5349'

IPF 105 BOPD, 7.5/64 ck

TP 300# GOR 100-1, Gty 38°

South Prentiss Field

Pruet & Hughes and Aquitaine

#1 U.S. Lumber Co. Unit 2-14

2-6N-19W Jefferson Davis County

Hosston -- 16,122-16,135'

IPF 685 MCFGPD, 41 BCPD, 8/64" ck

TP 2200#, GOR 16,964-1, Gty 52°

Holiday Creek Field

First Mississippi Corp.-Rosson & Layman

#1 Diffrient

36-6N-18W Jefferson Davis County

Hosston perfs -- 16,352-16,414'

IPF 1400 MCFGPD, 8½ BOPD, 276 BWPD, 1/2" ck

TP 550#, Gty 41.3°

Hosston perfs -- 15,946-15,969'

IPF 324 BOPD, 357 BWPD, 16/64" ck

TP 595#, Gty 42.8°

Mammoth Bayou Field

Foley Oil & Secan Oil

#1 Lansdowne

38-7N-2W Adams County

Stuart B Wilcox perfs -- 4335-4339'

IPF 30 BOPD, 80 BWPD, Gty 41°

New Pay--Collins Field

Mosbacher

#1 Rogers

25-8N-15W Covington County

Hosston perfs -- 14,180-14,273'

IPF 76 BOPD, 345 MCFGPD, 16/64" ck

TP 403#, Gty 46°

New Pay--Martinville Field

Amax

#22-9B Amax Pet. Co. Unit
22-2N-5E Simpson County
Cotton Valley perfs -- 14,960-14,972'
IPF 786 BOPD, 680 MCFGPD, 16/64" ck
TP 1415#, GOR 865-1, Gty 49.2°
Hosston perfs -- 14,272-14,286'
IPF 672 BOPD, 402 MCFGPD, 14/64" ck
TP 1580#, GOR 599-1, Gty 44.9°

Caledonia Field

R. L. Burns Corp.

#1 Clardy "34"
34-15S-17W Lowndes County
Carter perfs -- 4743-4747'
IPF 842 MCFGPD, 3/4" ck
TP 50#

Ogden Branch Field

Ogden Oil Corp.

#1 Freltus-Goussett Unit
27-6N-3W Adams County
Sparta perfs -- 3287-3291'
IPF 78 BOPD, 16/64" ck
TP 125#, CP 100#

New Pay--Reedy Creek Field

Ashland Oil Co.

#1 FNB of Laurel Unit 9-15
9-9N-11W Jones County
Cotton Valley perfs -- 14,813-14,838'
IPF 659 BOPD, 330 MCFGPD, 12/64" ck
TP 2465#, GOR 500-1, Gty 43°

STATEMENT BY EDD TURNER,
PRESIDENT OF A.A.P.G.

Questions are being raised about the validity of an "energy crisis" in times of an oil "glut". In spite of the seeming contradiction, glut and shortage can co-exist. Let's examine some facts.

The "glut" is temporary. Oil now beginning to flow from the Alaskan North Slope will not substantially extend the period during which we can expect to rely exclusively on fossil fuels for our energy needs. We are using 17 million barrels of oil each day. That's 6.2 billion barrels a year.

Alaskan oil will raise American production from 8.1 million to 8.9 million barrels daily. The positive effect of this increase is to reduce the amount of oil we are forced to import, leading to a more favorable balance of payments situation with the OPEC countries. But consumption is increasing, and the Alaskan fields may not extend the time during which we can rely on fossil fuels by more than two years.

Even taking Alaskan oil into account, U. S. oil production peaked in 1970 at 9.6 million barrels a day. The figure for 1976 was 8.1 million.

Canadian production peaked in 1973. Production has declined steadily since then, at a rate of 350,000 barrels less each year. The oil-rich Middle East saw its highest production year in 1974, with 21.8 million barrels drawn, but more recent figures are down 2 million barrels. Africa peaked in 1970.

Production of oil and natural gas in the free world reached its highest level in 1973, but discovery and production in communist nations is still rising.

No matter how much oil is being found, pumped, and used, the supply of fossil fuels is finite, so there is an energy crisis.

For the short run, we have a "glut" of oil--on the West Coast. If by "glut" we mean that more oil and gas are available than can be used where produced, then we have had for a number of years a "glut" of oil in Texas and Louisiana. Both states produce more than they can use, but that oil and gas is trans - shipped to the rest of the nation. The coming "glut" of oil

on the West Coast is government inspired: federal, state and local authorities are standing in the way of shipping the oil where it is needed and can be used.

For months, permission has been sought to reverse flow in an existing pipeline running from New Mexico to Long Beach, California, which would enable movement from the West Coast of Alaskan oil into existing cross - country pipeline systems. The Federal Power Commission has been delaying the plan by asking for detailed information in a continuing series of queries. Now the California Air Board is saying it wants no tankers coming into the port at Long Beach. It might be said that the West Coast is not cooperating with the rest of the country.

President Carter has discarded the idea of trading Alaskan oil with Japan, in exchange for Japan's supplies of Persian Gulf oil delivered to East Coast ports.

It is not possible to move large volumes of North Slope oil through the Panama Canal: large tankers are too big for the canal. If tankers are required to go around the Horn, oil arriving at East Coast ports could cost more than the highest priced Mid - East oil. To build a pipeline across the Panama Isthmus would cost somewhere in the neighborhood of \$2 million a mile--roughly a \$100 million project, and that cost does not take into consideration building loading docks and deep-water ports. There are no deep-water facilities--needed by super tankers--on either end of the Canal.

On the political side, it needs to be made clear to consumers that control of prices holds down production. Oil and natural gas price control, rather than meaning savings to consumers, means we must rely more and more heavily on greater quantities of imported oil -- from countries over whose pricing policies the U. S. has no control.

Oil producers are trying desperately to find oil resources, develop them, and get fuels to the American market. With governmental interference in production and shipping, price controls holding down production, and the driving need to decrease our dependence on imported fuels while developing other energy sources, the oil man is caught between a rock and a hard place.

PROBABILITY METHODS IN OIL EXPLORATION

SHORT COURSE

Stanford University's short course on probability methods in Oil Exploration, slated for early September, 1977, generated so much interest that the number of people who wished to attend exceeded the accommodations. Therefore, a second session will be conducted December 4-9, 1977; this session also will be held in Snowmass, Colorado.

Topics and exercises will consist of:

- Statistical forecasting of the volume of undiscovered oil and gas in sedimentary basins.
- Statistical relationships between oilfield spatial distributions, sizes and shapes.
- State of the art in computer mapping and analysis.
- Statistical assessment of the reliability of exploration maps.
- Use of statistical methods for the combined analysis of structural, stratigraphic, geophysical and production data.
- Estimating numerical probabilities for outcomes of specific oil plays and prospects before they are drilled.
- Simulation exercise of competitive exploration in a petroleum province.

Instructors in the short course are John C. Davis, University of Kansas; John H. Doveton, University of Kansas; and John W. Harbaugh, Stanford University. Their interests include mathematical geology and statistical methods in petroleum exploration.

Tuition is \$675; American plan hotel arrangements are \$340 per person, double occupancy. Additional information can be obtained from SARAH CHILDRESS - phone 969-0100.

PECORA III SYMPOSIUM

The AAPG is the sponsoring society for the third William T. Pecora Symposium to be held in cooperation with the USGA and NASA. The subject of this symposium, to be held in Sioux Falls, South Dakota, from October 30 to November 2, 1977, is "Application of Satellite Data to Petroleum and Mineral Exploration." For further details contact Sherry Linville, AAPG, P.O. Box 979, Tulsa, Oklahoma 74101.

Pertinent to the subject of this symposium is the recently published USGA Professional Paper 929 "ERTS-1, A New Window On Our Planet," edited by Richard S. Williams, Jr., and William D. Carter. It is available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402. Price is \$13.00 for the paper-cover edition. It covers all the earthly uses of ERTS - 1 in a nutshell, and contains many image examples along with explanations. Every school and doctor's office should have one.

INDEPENDENT OPERATOR "Little Guy" Unsung Hero

There are many unsung heroes in the quest for oil and gas, risking their lives in a hostile environment, or their fortunes fighting tremendous odds. But the real unsung hero is the "Little Guy" in a risky business... the independent. He drills more than 75 per cent of all exploratory wells in untested areas and produces about a third of the total output of crude oil in the United States.

These "Little Guys," the independents, some 10,000 strong, provide the multiplicity of exploration-drilling effort that is vital in finding adequate oil and natural gas in the U. S. And the challenge today is to keep these "Little Guys" active.

The decline of wildcatters has been the principal factor in causing the nation's first fuel shortage. Wildcatters quit exploring for one reason only: the rewards for success do not justify the costs and risks inherent in exploring for petroleum.

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ROBERT R. JACOBS Petroleum Geologist	
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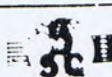
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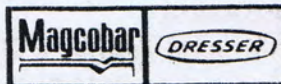
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CALENDAR

- SEPT. 13 - Petroleum Auxiliary
2126 Sheffield Dr., 10:00 A.M.
- SEPT. 15 - J. G. S. Barbecue
Costas' Lodge, 4:30 P.M.
- SEPT. 27 - M. G. S. Kickoff Supper
Fowler Lodge, 4:30 P.M.
- OCT. 26 - G.C.A.G.S. Annual Meeting
Austin, Texas

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 2, OCTOBER, 1977

WILLIAMS TO DISCUSS STATE AND FEDERAL PETROLEUM LEGISLATIVE STATUS

CHARLES H. WILLIAMS, JR., Executive Vice President of the 800 - member Mid - Continent Oil & Gas Association, Mississippi-Alabama Division, will be our guest speaker for the October meeting. Following his graduation from Millsaps College with a B. S. in Geology and further graduate studies at the University of Texas, Mr. Williams served eleven years as a Petroleum Geologist for the Monsanto Company in several Southwestern states. He returned to his native state in 1966 and served three years as Staff Geologist for the Mississippi Geological Survey. In 1969, Mr. Williams became a partner and the Exploration Manager of the Champex Company. He joined the Mid-Continent organization in 1970 as Director of Public Relations and was elected to his present position in 1972.

Mr. Williams will present an update on the critical legislative issues which will have an impact on Geologists and the petroleum industry during the 1978 Mississippi and Alabama Legislative Sessions. He also will show us a slide presentation on the activities of the Mid-Continent organization, and conclude with a brief review of the current Federal Energy Legislative status.

As always, called-in reservations help T. C. in planning for your convenience. So, be sure to call T. C.'s office, 948 - 4128, no later than Tuesday, October 18.

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PRESIDENT'S NOTES

DADDY-O PHILLIPS and T. C. RADER outdid themselves again this year by preparing the best barbeque ever. Over 140 members and guests wholeheartedly consumed 200 pounds of smoked beef, ham, and sausage. I want to extend a special thanks to BILL MCGEE and DANNY HARRELSON for helping out in the kitchen.

One of the objectives of the Mississippi Geological Society is to stimulate interest in geology and related sciences among the membership. Accordingly, we have scheduled three short seminars this year on subjects which should appeal to most members. All are sponsored by the AAPG Continuing Education Program.

The first will be a lecture by John F. Harris on November 17 entitled "Practical Subsurface and Stratigraphic Methods of Exploration for Carbonate Reservoirs." Mr. Harris has presented papers to our membership twice before and is a very dynamic and enthusiastic speaker, whom I am sure can teach us all a great deal. Details of his paper will be presented in the November Bulletin. The second seminar will deal with reservoir techniques for geologists and the third with sandstone reservoir exploration. Details of these two lectures will be forthcoming.

All three of these seminars should attract a large number of members. They are put on for no other reason than to further your education, and I am asking each of you to consider your priorities and attend if at all possible.

SARAH CHILDRESS

NATCHEZ AREA NEWS

by ARMANDO T. RICCI, JR.

(With 25 geologists, approximately 6+% of the M.G.S. membership's, being located in Natchez, it's high time you get some feed-in from those on the banks of the Mississippi. Ed.)

The Wilcox play is still strong here. The big impetus now is the deep play by major oil companies. A large amount of shooting and lease buying is taking place from Union Church, Mississippi, to Ferriday, Louisiana, the objective being wildcat tests to depths of 20,000 feet and 25,000 feet.

We are feeling the effects of the Rodessa-Hosston play, which is being played in a north-westerly arc. The Tuscaloosa play at False River, northwest of Baton Rouge, Louisiana, is being felt in our area also. A considerable lease buying and drilling program is in progress.

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PETROLEUM AUXILIARY NEWS

by
BETTY TWINER

September is a busy and fun month for the girls as we send our children back to school and begin our new Auxiliary year.

The first meeting of the year at BECKY GREER's home was a very enjoyable coffee. Hostesses for the meeting were the 1977-1978 officers: BECKY (MRS. STEPHEN C.) GREER, President; ANNETTE JEFFRIES, First Vice President; SUSAN CULBERTSON, Second Vice President; ANN HOLMAN, Secretary; MAGGIE BROOKS, Treasurer; BETTY TWINER, Reporter. There were sixty ladies attending, and we all enjoyed touring Becky's beautiful home. Thanks to the following girls who helped serve coffee: JOYCE BOWMAN, NORA WALKER, JAN BAKER, JANE WELCH, MARION COGGIN, BARBARA GATLIN, PAT GREER, and KAREN BUSH. A special thanks to JANE TANKERSLEY for the flower arrangements, especially the Sonia Roses which were perfect for Becky's dining room.

The second meeting of the year was also held in September. A large group of ladies enjoyed a trip to New Orleans to view the King-Tut exhibit. Hostesses for this trip were LAURA KENT, IDA CUMMINGS, MARY EMILY WEBSTER, and VEE WOMACK.

We are looking forward to October 22, which will be our couples "Las Vegas" party at the Capital City Petroleum Club. Leave your bankrolls at home. Play money will be issued at the party. The telephone committee will be calling for reservations, so make your plans to attend.

HIGHLIGHTS
M.G.S. BOARD MEETING
October 3, 1977

Present: LES AULTMAN, SARAH CHILDRESS, DON
TURNER. Guest: BILL MCGEE

Field Trip: Committee will measure sections
later this month. Trip set for April
21-22. Guidebook under way.

Photo Directory: Being proofed. May not be
ready for Oct. G.C.A.G.S. Convention.

Bulletin: Ed. optimistic; may break even this
year with new format.

Finances: Operating balance: \$2500[±].
Outstanding: None Known.

G.C.A.G.S.: FRITZ will handle exhibit. Judges:
PHIL COOK, LES AULTMAN, EMIL MONSOUR
(Alternate). Delegate: DEAN KEBERT.

Student Sponsorship: Sponsorship of Student's
Meal expenses assigned to AULTMAN.

AAPG Representative: AAPG offers to handle
election completely. Offer approved.

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A.P.G.S. PANEL DISCUSSION
ON REGISTRATION

(At the A.P.G.S. annual convention to be held in early December, JOE FRITZ, current President of the Mississippi section of A.P.G.S., will make the opening comments for a panel discussion on registration. The following constitutes the gist of Joe's comments. Ed.)

The purpose of this panel discussion is to address the "why" of registration of geologists.

Geologists historically have been free spirits who float around in areas between science, business, and engineering functions. They are found in virtually all companies, schools and agencies which deal with natural resources. Unfortunately, too often they are only advisors at a secondary level and seldom rise to positions of top management.

It is still a mystery to me why geologists, as professionals, have not been able to attain the level of respect normally seen with lawyers and doctors. I don't know if it is because of our early training, or of later career situations in which we find ourselves. Whatever the cause, it appears to me that we need to elevate ourselves and our profession to a higher plane than what it has historically been.

Do we keep our eyes to the microscopes and drafting tables when we should be more concerned with personnel and administration? Are we sacrificing our job advancement by concentrating too much on the details of our science? There are many geologists who have dedicated themselves only to the theoretical and academic aspects. But there are many more, I am sure the majority of us, who have tried hard to advance along administrative and management lines along with other professions. So often it appears that we are somehow handicapped because we are geologists.

I see geologists passed over for promotions in schools, in oil companies, in government, almost

(Continue FRITZ - on REGISTRATION)

My fault

will continue to be done so, primarily because of optimistic geologists who provide the necessary vision which is so vital to survival and growth of these companies.

I can only see two ways in which geologists will be able to stress their importance and earn the respect that their contribution to society deserves. One way would be through an extremely strong professional organization on a national level similar to the American Medical Association. I doubt if we will ever be able to get together into such a unified organization. Actually, there appears to be a splintering among geological associations rather than a consolidation. The other method which I think geologists can use to elevate their profession is through registration on a state-wide basis.

There are many benefits to registration, the chief of which is the increased level of respect it provides. This has been achieved by doctors, lawyers, CPA's, registered engineers, etc., and I see no reason why geologists cannot also have it. This respect is primarily earned because the public interest is involved. Instead of having a loosely knit conglomeration of nonchalant semi-professionals, we can have in each state a recognized group of highly professional geologists who are self-disciplined. Registration, and the governing board which is attendant to it, means that we as geologists care enough to police and improve ourselves.

I have seen strong opposition to registration from a few geologists in Mississippi. The opponents that I have met are in one of two classes: 1) they either have it made, that is, they either have risen to the point where company goals are more important than the individual goals of their fellow geologists, or they have succeeded in becoming wealthy as an independent, and 2) those who are semi-professional or even non-professional and are afraid of the effects of improvements in the geologic profession. In my opinion,

as a matter of normal regularity. There is something about our profession which simply does not inspire confidence in others and make them want us as their leaders. It appears to me that only the very talented among us rise, but as a professional group we are unable to keep pace with the best.

I have worked seven years with a major oil company, fifteen years as an independent, and now with a small company. It has never been difficult for me to make a living, but it has always been difficult for me and my fellow geologists to rise above the norm.

I strongly feel that we make contributions of a magnitude which should elevate us to higher levels. The work we do, whether in oil companies, government or schools, is frequently the basis for major decisions involving large numbers of people. If we do the foundation work for decisions involving many people and many dollars, why are we not top management?

The only answer I have is that we are not respected sufficiently as a profession. I think we can only blame ourselves for this because we have not boosted ourselves as geologists and because we have not worked hard enough to earn respect. We are too nonchalant about the contributions we make and about the knowledge that we possess. We need to advertise ourselves more, and we need to get the attention of both the general public and of those who control our careers.

The largest employer of geologists is the petroleum industry. It is my opinion that this industry is basically established upon contributions from its geologists. Furthermore, I believe that the largest contributions made by petroleum geologists are not our sample descriptions, or fossil identifications, or contour maps, or log correlations - rather it is the spirit of optimism which only we provide. Oil exploration is an extremely risky business and when one applies normal engineering or normal business risk parameters, it should not be done. Yet exploration for oil and gas is done successfully and

the latter unprofessional people do not deserve to be registered geologists, and the former who have achieved some success need to be convinced that registration is best for the profession as a whole.

In summary, the "why" for registration is that it provides the most effective method for geologists to elevate the status of their profession, and to earn a greater respect for themselves and all geologists.

REILLY TO ADDRESS
JACKSON GEOPHYSICAL SOCIETY

Mike Reilly, with Seiscom Delta, will be the guest speaker on October 17, 1977, when J. G. S. holds its October meeting. His subject will be "Interpretational Benefits of Wave Equation Migration". The meeting, at Primos Northgate, kicks off with a happy hour at 5:30 P. M. and dinner at 6:30 P. M.

PROGRESS
September, 1977

<u>Exploratory</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	0	0	6
Uk	0	0	3
Lk	0	0	1
Jurassic	0	0	6
Paleozoic	0	0	3
<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	4	0	4
UK	1	0	0
LK	0	1	1
Jurassic	0	0	0
Paleozoic	0	0	0

AAPG PRESIDENT TURNER
RELATES DATA AND COMMENTS

(Edd R. Turner, President of AAPG, last month in Amarillo, Texas, provided the data and comments set forth below. Ed.)

Turner said that though total domestic production should increase this year, with oil flowing from Alaska's north slope, "rather unsettling" figures for January and February show daily output below 8 million barrels a day. Recent production declines in natural gas -- which is "quite price and regulation sensitive" -- will probably continue, he added, until the north slope production can fully be brought to the lower 48 states.

On the other hand, Turner noted that drilling of exploratory wells has risen to about 9,000 a year, up from the 1971 low of 6,900. Last year's success rate reached an all-time high of 26 per cent, reflecting, Turner said, "the change in economics due to increase oil and gas prices. One wonders what would happen if there were complete decontrol of prices rather than added federal taxes! And this upward exploratory trend pointed up the fact we had little choice but to continue to rely on fossil fuels for energy. Oil and gas are the easiest to use and transport of all our sources -- no other is as suitable."

At the same time, he said, "we must make more use of nuclear power," which currently supplies only 2.5 per cent of our energy needs. By the same token, coal production may rise, taking a greater share out of total BTU delivery, "but the goals set by Mr. Schlesinger's dream are obviously unattainable."

Turner also called for greater energy conservation by Americans. "For example, there are many here who would welcome 648 billion cubic feet of gas reserves -- a number of good sized companies would love to have that much stored away," he said.

SOUTHERN GEOLOGICAL SOCIETY
ACTIVITIES INCREASE

(DAN SUNDEEN is Faculty Advisor to the Southern Geological Society. The S. G. S. is the campus geological society at the University of Southern Mississippi, Hattiesburg, Mississippi. From Dan's latest Bulletin, a few excerpts seem appropriate. More will follow. Ed.)

OSCAR PAULSON, who chairs the Geology Dept., announced that this academic year started with 60 majors, 11 of whom were graduate students. This is an increase of 25% over last year. Funds have been received for a petrographic microscope and a thin-sectioning machine.

DAN SUNDEEN, now Associate Professor, has made out his "Want List". On the list are "exploration and testing equipment that is obsolete or no longer needed, minerals-rocks-and drill cuttings samples, quartz wedges for the petrographic scopes" -- especially, the last item. They have the facilities to catalog, store, and use these items. The quartz wedges, which run for about \$200 per, are really in short supply. (Shell, Chevron, Texaco, et al: Help!)

PHIL COOK, who recently moved to Jackson, published in G. S. A. (along with senior author DAN SUNDEEN) the information that K-Ar dating of cored volcanic rocks in Humphreys County yielded ages of 91 ± 3 m.g. and 78 ± 3 m.g. In the vicinity of the well, the volcanic section is overlain by Selma Chalk. (Does that grab you stratigraphers?)

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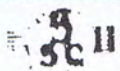
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Oct. 14 - Vibration Control Seminar
University Park, Pennsylvania

Mon
Oct. 17 - J.G.S. Evening Meeting
Primos Northgate, 5:30 P.M.

Wed
Oct. 19 - M.G.S. Noon Meeting
Capital City Petroleum Club

Oct. 22 - Petroleum Auxiliary Party
Capital City Petroleum Club, P.M.

Oct. 26 - G.C.A.G.S. Annual Meeting
Austin, Texas

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 3, NOVEMBER, 1977

NOV. 15 TOPIC:
REGISTRATION OF GEOLOGISTS

The subject for the M.G.S. meeting on November 15 will be "Registration of Geologists". The speaker will be JOE FRITZ, President of the Mississippi section of A. P. G. S. The meeting is scheduled for the evening at Primos Northgate so as to afford as much time as possible for the lengthy discussion that is sure to follow Joe's talk. Proponents and opponents alike realize that registration is an issue with many very important ramifications. This could be one of the most important meetings to be held this year, and each one of us should make a point of attending. Don't forget to call your reservations in to T. C. RADER, 948-4128, no later than Monday noon, November 15th.

JOSEPH H. FRITZ, with Marion Corporation, is a San Antonio native. Following the attainment of B. S. and M. S. degrees in geology from Texas A. & M., Joe served two years in the U. S. Army. In a six year stint with Humble, he worked in South Louisiana, Georgia, South Florida, and Mississippi. After resigning from Humble, Joe operated out of Jackson as an independent operator and consultant for fifteen years. Last summer, he opened the Jackson office for Marion Corporation.

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PRESIDENT'S NOTES

The G.C.A.G.S. Convention in Austin was attended by approximately 1500 people, and our Society was well - represented. One important matter which was discussed at the Executive Board meeting was that Cambe and Geomaps no longer want to be involved with G.C.A.G.S. publications stock and services. The Long Range Project Committee is checking on finding a place for relocation.

The Convention was a success, and a good and "learning" time was had by all in the beautiful city of Austin.

The 1978 Convention will be hosted by the New Orleans Society, October 11-13. Themes will be "New Plays - Old Pays" and "The Lights That Failed." There will be papers about plays assisted by advanced exploration techniques and/or improved drilling capabilities and also case histories of significant unsuccessful prospects. The S.E.P.M. will host a symposium on the applications of paleoecology in the Gulf Coast region. Headquarters hotel will be the new Hyatt Regency adjacent to the Superdome. All meetings will be held in this one hotel and there will be enough room space for everyone. This means that you will not have to travel all over town to get from one meeting to the next, and that means a lot in itself. Make your plans now to be in New Orleans next year!

I'm putting forth a special appeal to urge each of you to attend our November 15 meeting. JOE FRITZ is presenting a talk about registration of geologists and geophysicists as discussed elsewhere in this bulletin. This is a very important issue and all of you are involved. Please be there and let us know how you feel about the subject.

I also want to know how each of you feel about the proposed 12% severance tax. Any feedback on this would be greatly appreciated.

SARAH CHILDRESS

CONTINUING EDUCATION PROGRAM

"PRACTICAL SUBSURFACE AND STRATIGRAPHIC METHODS OF EXPLORATION FOR CARBONATE RESERVOIRS" is the title of this fall's lecture in our 1977-78 continuing education program. The talk will be given by Mr. John F. Harris of Tulsa, Oklahoma, on the evening of November 17 (6:30 - 10:00 P.M.), in the Smackover Room of the Capital City Petroleum Club.

Mr. Harris is no stranger to Jackson and the Mississippi Geological Society, having presented papers here twice before. This year Mr. Harris will focus particular attention on fractured carbonate reservoirs and will discuss exploratory aspects of such plays. Fracture - enhanced reservoirs are more and more becoming of importance in our own State. In addition, Mr. Harris will include in his talks the latest exploratory concepts in conventional carbonate facies delineation and the role of diagenesis in making or breaking a reservoir.

We hope the membership will turn out in respectable numbers to welcome back an old friend and to hear what promises to be an informative and indeed, timely, discussion.

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NATCHEZ AREA NEWS

by

A. T. Ricci, Jr. and G. W. Gulmon

The Association of Professional Geological Scientists (APGS), Mississippi Section, had a meeting this month concerning the registration law for geologists in the State of Mississippi. All the different fields of geology were represented, such as, college professors, industry, independents, state agencies, and federal agencies. It is the concensus that our State needs a registration law. The law will provide that the geologists will be self - supporting as a regulatory agency. The qualifications will be rigid but fair and the law will certainly be beneficial to the profession, the local, state and federal governments, all energy companies (oil, gas, coal, etc.) and should be pursued by all.

The MGS should make manifest its support promptly. An interesting example of the need is in Georgia where such a law was passed recently. There have been some 700 applications for membership-in a state where there is no oil production. This suggests that during these times of energy problems, environmental problems, and the general shortage of geologists that we do indeed need to keep our standards high.

J.G.S. MEETING

On November 21, Jerry Neal, with Seismograph Service Corporation, will speak to the members of the Jackson Geophysical Society. The subject will be "The Effects of Field Recording Filters on the Sesimic Wavelet."

The slate of candidates for office in the American Association of Petroleum Geologists was announced by Edd R. Turner, AAPG President. John D. Haun, professor of geology at Colorado School of Mines, Golden, Colorado, and John A. Taylor, an independent geologist from Oklahoma City, head the slate as candidates for president-elect. Candidates for vice-president are Thomas D. Barber, general manager for Michel T. Halbouty, Houston, Texas, and James O. Lewis, Jr., consulting geologist, also of Houston. Candidates for treasurer are Robert L. Fuchs, president, Geosystems Corporation, Westport, Connecticut, and George B. Pichel, chief geologist, Union Oil & Gas Division, Los Angeles, California.

Ballots will be cast by AAPG members in the spring of 1978, and successful candidates will assume their offices on July 1, 1978.

Haun is a graduate of Berea College and the University of Wyoming, and was employed by Stanolind (Amoco) and by Petroleum Research Corporation before becoming professor of geology at Colorado School of Mines. He is also president of Barlow & Haun, Inc., consulting geologists.

Taylor graduated from the University of Oklahoma. He worked for Shell Oil Company and Magnolia Petroleum Company (Mobil) prior to becoming a consulting geologist in 1965.

A graduate of Texas Christian University, Barber was employed by Stanolind (Amoco) before joining Michel T. Halbouty in 1959.

Lewis is a graduate of the University of Kentucky. He became a consulting geologist in 1955, after working for Magnolia Petroleum Co.

Fuchs received degrees from Cornell University and the University of Illinois. His career includes service with Mobil Oil Corporation and several other energy-related companies.

A graduate of the University of Texas, Pichel was employed by a Brazilian firm before joining Union Oil Company of Calif. in 1952.

by

Oscar Paulson

The winter quarter schedule in Geology at the University of Southern Mississippi includes two courses which may be of interest to MGS members. They are Introductory Geological Oceanography on Tuesday night and Sedimentary Environments on Wednesday night.

During the first week, night classes meet on an irregular schedule so that Tuesday night classes will meet from 6:30 until 8:00 on Thursday, and Wednesday night classes will meet from 8:30 until 10:00 on Wednesday. Interested persons can register for these classes at the Registrar's Office prior to 5:00 p.m. on the day of the class.

BRIEFLY NOTED

The Railroad Commission of Texas permits an operator to list three suggested names, in order of preference, for a new field on its Form P-7, "Application for Discovery Allowable and New Field Designation."

Mercury Production Co. of Fort Worth made some interesting suggestions back in July for Austin Chalk production found in its #1 Fred A. Gaydos well in Atascosa County: (1) Mary Lively, (2) Notso Lively, and (3) Deadly.

M.G.S. PHOTODIRECTORY NOW AVAILABLE

The labor pains of TOM SIWULA, JERRY YOSTE, and VERNE CULBERTSON et al have resulted in the first M. G. S. photodirectory in over a decade. This very useful publication includes information relating to over 400 of the M.G.S. membership, a history of the Society, and photos of most of the members that require no apologies whatsoever (except to one ole Razorback).

Members soon will be mailed their copies along with invoices for \$4.00. Non-members can obtain copies, for \$5.50 prepaid, from T.A. SIWULA, Enserch Exploration, P.O.Box 219, Jackson, Mississippi 39205.

INDEPENDENT/MAJOR RELATIONSHIPS IN GENERAL

(The following is an excerpt from the paper, "Independent/Major Roles In Exploration For Oil And Gas", by J. R. Jackson, Jr., Manager for Environmental Affairs, Exxon Company, U. S. A., Houston, Texas. Ed.)

Because of their size and organizational structure, independents and majors pursue different exploration goals. Larger companies concentrate exploration on large regional plays with high geological/capital risks, and high potential rewards. Smaller companies concentrate exploration, and thus gain more expertise, in smaller geographic areas. Throughout the pursuit of these different goals, a thorough nationwide exploration program is carried out. It might be said that, "one group fills in where the other does not."


The question might be raised, why are large companies important to independents? Large companies purchase large lease blocks and provide farmouts to independents. This gives independents an opportunity to participate in the results of major company finding and leasing efforts. Large companies contribute to test wells. By contributing money and/or acreage to independents, large companies are helped in evaluating their own prospects. Large company refineries provide a market for independent crude and a supply for independent marketers. Independents are mostly oriented toward finding crude rather than in downstream operations.

Next, the situation is reversed and the question asked, why are independents important to the majors? The answer is that the independents drill the vast majority of the wells and evaluate the vast majority of industry's prospects. Independents provide industry with an enormous amount of geologic data. Also, independents usually sell crude to large company refineries, consequently a close and much needed relation-

ship exists between independents and major companies.

Because of the similar objectives of these two groups, they are both affected by punitive actions of Congress and regulatory bodies. There are many areas where independents and majors alike are caught in the same net. These areas are (1) Energy policy, (2) Federal land development, (3) Outer Continental Shelf regulations, (4) Coastal Zone Management, (5) Fish and wildlife guidelines, (6) Environmental Impact Statements, (7) Delay, (8) Data reporting, (9) Endless red tape, and (10) Many more.

Another area that shows close policy agreement by the independent and the major was brought out in October, 1975. The Independent Petroleum Association of America (IPAA) held its annual gathering at that time. The IPAA adopted a national energy policy at this convention. Basic concerns at the IPAA convention are also basic concerns of the majors. Areas of close agreement by the independent and the majors are: (1) The need for conservation, (2) A relaxation of stringent safeguards imposed on our industry, (3) The elimination of price controls, (4) The retention of tax incentives, (5) The continued leasing of public lands, (6) Increased research, (7) Less government involvement, (8) A lesser dependence on imports, (9) A positive stand against divestiture, and (10) A continuance of the free enterprise system.

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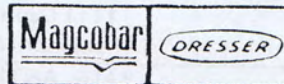
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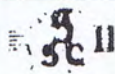
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Nov. 15 -- M.G.S. EVENING MEETING
Primos Northgate, 5:30 P.M.

Nov. 17 - M.G.S. CONT. EDN. SEMINAR
Petroleum Club, 6:30 P.M.

Nov. 21 - J.G.S. EVENING MEETING
Primos Northgate, 5:30 P.M.

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mississippi geological society



VOL. XXV, No. 4, DECEMBER, 1977

DECEMBER TOPIC:
SOUTHERN MISSISSIPPI SMACKOVER PETROLOGY

On December 6, Brian D. Wakelyn will speak to M.G.S. regarding the petrology of the Smackover in Perry and Stone Counties, Mississippi. Mr. Wakelyn's talk will be based primarily on petrographic analysis of 381 thin sections from the Black Creek Field and the Vasen No. 1 Fee. From the analysis, eight carbonate lithofacies were recognized (three in the lower member and five in the upper). Facies in the lower members were inferred to have been deposited on the shelf, but below wave base. Facies in the upper member were considered to have been deposited at the intersection of sea floor and wave base. Paleoenvironmental interpretations indicated shallow - water marine conditions controlled by basin margin topography and sea floor irregularities. Sequences were thought to be due to progressive shoaling and basinward progradation.

Mr. Wakelyn, with a B. S. in Geology from the University of Florida and a M. S. in Geology from Tulane University, is with Murphy Oil Corporation. Prior to his joining Murphy, he was assigned as a geologist in the U.S. Army in Panama and Colombia, then was with Amoco and General Crude as a geophysicist working onshore and offshore South Louisiana, North Louisiana, and South Mississippi.

Don't forget: call your reservations in to T. C. RADER no later than noon Monday, December 7 at 948-4128.

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THE WINDFALL MYTH

(The following was written by Edd R. Turner, President, AAPG)

Windfall has been defined as "an unexpected or sudden gain," but it also means "something that is blown down by the wind." This latter definition may well describe the petroleum industry if Federal, state and local governments do not cease their imposition of ridiculous restrictions and roadblocks.

What, one might ask, has triggered these impositions? Certainly they are due in part to the fact that elected officials, government employees and, indeed, the public in general have become militantly anti-profit in their attitude. One Senator termed profits "obscene". On the other hand, however, he omitted to define what constitutes a "chaste profit."

In defense of profits the American people must be reminded that making an adequate profit is the American way of doing business. If it were not for profits the United States would still be a poorly developed, agrarian nation, much like Soviet Russia remains today! Existing industry thrives on profits that keep its plants in good order and expanding, and new businesses are formed from profits of established industry. If our industries cease to make profits our industries will cease to exist. If the profit motive is killed by governmental decrees the American way of life will end.

At present the public eye focuses on the petroleum industry more than on any other part of our business complex. In months that our Washington establishment has spend debating an energy policy a driving impetus to levy more taxes to keep "those oil companies" from making "windfall profits" has prevailed.

For the record, let us examine just what the profit picture looked like last year for the large oil companies. There were eighteen U. S. companies that grossed over \$3 billion in 1976.

The highest rate of return on gross income of the eighteen was only 7.8 percent; the lowest return, 3.2 percent. If you had bought a share of stock this year in the company paying the best dividend return you would be earning 6.6 percent on your money -- about the return on a one - year savings certificate. The lowest return company would pay you a mere 1.5 percent.

By comparison, Houston Lighting and Power, a utility, had a 12.5 percent return on gross income in 1976 and is currently paying about 5.6 percent to its shareholders. The comparison hardly justifies accusations of obscene profits!

What exactly perpetuates the Windfall Myth? Would there really be a windfall of profits if oil and gas prices were deregulated? If an industry is making an inadequate return, a so-called windfall could mean the difference between life and death.

Law makers, policy makers, or whatever the Washington establishment can be called, should be directed toward a closer scrutiny of the activities of the large petroleum companies before forming opinions or making ill advised statements. Only the four largest of the eighteen companies and two others heavily into marketing invested less than their net income in exploration and production of oil and gas. The other twelve companies spent more than net income, and two of the companies spent more than twice their net incomes on exploration and production. In addition to these expenditures, each company also made large investments on refineries, pipelines and other petroleum related projects; furthermore, there were many millions spent on capital ventures such as uranium, coal, oil shale, and other diversifications.

Capital funds generated from net income, and depletion, depreciation, and amortization charges provide the investment dollars for petroleum companies large and small, but of the eighteen largest companies only five invested less than

(Continue WINDFALL)

their cash flow, and those five, only slightly less at that! The rest of the companies made capital investments in excess of cash flow, and in two cases the companies invested over twice their available funds. Increases in long term debt are a common occurrence in the industry.

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AUXILIARY NEWS

I hope everyone enjoyed a nice Thanksgiving. The Auxiliary did not meet in November, but we will be having one of our favorite events in December.

The December meeting will be a Christmas Sherry Party at The University Club on December 13, 1977, 3:00-5:00 p.m. The hostesses will be Joyce Bowman, chairman, Joanna Champlin, Nora Walker, Jane Welch, and Virginia Force. We look forward to seeing all you girls at the Sherry Party.

BETTY TWINER

MILLSAPS ANNOUNCES SPRING COURSES

WENDELL B. JOHNSON, chairman of the Department of Geology, Millsaps College, has announced some of the spring courses that will be of interest to the M.G.S. membership. Among them is a course in Geomorphology during the Spring Semester. The course will be held in Sullivan - Harrell Science Hall in Room 056 (basement - east end). Other courses to be offered during the daytime will be Crystallography, and Igneous and Metamorphic Petrology. Call the Department for further details.

D. O. E. WILL BE COSTLY

How much will the new Department of Energy cost U. S. taxpayers?

A Chevron statistician compared the \$10.6 billion budgeted for the department to some other figures and this is what he came up with:

-It is about double the value of all imported oil from Saudi Arabia last year.

-It exceeds capital and exploration expenditures by the industry to find and produce oil, gas and gas liquids in the nation in 1975.

-In what were described as "obscene" profits by one U. S. Senator in 1974, the new budget exceeds by \$800 million the seven largest international companies' profit for that year.

-It is equivalent to \$2 per barrel of domestic crude oil production. Domestic crude oil could be decontrolled and the American public would pay less for oil than it will for the new Department of Energy.

From "LAIPRO INDEPENDENT", September, 1977.

BEST PAPERS AWARDS

The following were judged winners at the 1977 GCAGS-SEPM annual convention in Austin.

GCAGS Best Papers

- #1 David K. Davies, William Almon
Effects of sandstone composition and diagenesis on reservoir quality, Tertiary-Pleistocene Gulf Coast Region
-Also wins A. I. Levorsen Award
- #2 James O. Lewis
Stratigraphy and entrapment of hydrocarbons in the San Miguel sands of southwest Texas
- #3 J. O. Snowden, W. B. Simmons, E. B. Traugher, R. W. Stephens
Differential subsidence of marshland peat as a geologic hazard in the Greater New Orleans Area, Louisiana

SEPM Best Papers

- #1 Winker, Charles D. and Howard, James D.
Plio-Pleistocene paleogeography of the Florida Gulf - Coast interpreted from relict shorelines
- #2 Isphording, Wayne C.
Petrology and stratigraphy of the Alabama Miocene
- #3 Looney, R. Michael and Baker, Victor R.
Late Quaternary geomorphic evolution of the Colorado River, Inner Texas Coastal Plain

PROFESSIONAL NOTES

JOE BRADLEY has moved to Mich.-Wis.
JIM MCELROY, having been with Hunt Energy, is joining Harkins Company here.
DEAN KEBERT and JERRY ZOBLE are teaming up, with offices in the Standard Life Building.

AAPG DEPARTMENT OF EDUCATIONAL ACTIVITIES
"Short Courses in Exploration Geology"

THE PROGRAM: The AAPG Department of Educational Activities is sponsoring a six - hour short course entitled "Introduction to Exploration Economics" by Dr. Paul D. Newendorp. The course will be held at the Chateau Motor Hotel, Shreveport, on Tuesday, January 10, 1978, from 1:00 - 8:30 p.m. The course fee is \$40.00 and covers tuition and all course materials. While registration will begin at 12:00 noon Tuesday, pre - registration is strongly encouraged since enrollment will be limited. Additional information may be obtained by contacting BILL MAGEE, 969-0100.

THE SPEAKER: At the University of Oklahoma, Dr. Paul D. Newendorp earned his B. S., M. S., and Ph.D. in Petroleum Engineering. He was employed as a Petroleum Engineer for Pan American Petroleum Corp. and is now a consultant and educator with John M. Campbell and Company in Norman.

THE COURSE: This course covers the use of various decision criteria used to measure and compare the value of an exploration prospect. The parameters are illustrated using simple numerical examples. The advantages and disadvantages of each criterion as a measure of value are discussed. The course is divided into two sections:

1. "No-risk" economic criteria (Profitability Analysis):
a discussion of various economic criteria used to measure the value of drilling prospects, including payout time, profit-to-investment ratios, rate of return, net present worth and the concept of the "time-value" of money.
2. Decision criteria which account for risk and uncertainty:
a discussion of the theory, logic, and interpretation of mathematical expectation, or the "expected-value" concept as

it is often called. How to compute expected monetary value profit and its use as a decision criterion. Expected present worth profit.

SUPPORT (?) FOR DEREGULATION

The following appeared in a letter written to Texas Governor Dolph Briscoe dated October 19, 1976:

"First", wrote Carter, appealing for support, "I will work with the Congress, as the Ford administration has been unable to do, to deregulate new natural gas. The decontrol of producers' prices for new natural gas would provide an incentive for new exploration and would help our nation's oil and gas operators attract needed capital. Deregulation of new gas would encourage sales in the interstate market and help lessen the prospect of shortages in non - producing states which rely on interstate supplies. While encouraging new production, this proposal will protect the consumer against sudden price increases in the average price of natural gas."

Similar written pledges were made to the governors of Oklahoma and Louisiana.

The president's explanation for changing his position on gas deregulation, given shortly after his April, 1977, unveiling of his energy plan, was that, "Yes, he favored deregulation, but he had not said when it would come."

PRESIDENT'S NOTES

This month I want to share with you an excerpt from an article printed in the November edition of NOGS LOG.

".... are you aware that the director of the U. S. Geological Survey, Dr. Vincent McKelvey, was recently forced to resign? He is the first director in the Survey's 98-year history to be relieved of his duties. Dr. McKelvey, a non - partisan career scientist who had been with the Survey since 1941 and served as director for the past six years, was advised that he was being dismissed because ' a change would be good for the Survey'. Dr. McKelvey however, has stated that he was fired because of his highly optimistic outlook of U. S. energy supplies in opposition to the Carter administration's 'no growth' energy program and its line that we must begin to allocate our 'rapidly dwindling energy resources'.

Another energy expert who disagreed with the Administration was fired last April. Dr. Christian Knudsen, director of a team of energy supply experts from ERDA, reported that natural gas supplies are market-oriented and that increased prices would result in increased supplies. The team was first directed to redo the study. When the result was still not to the Administration's liking, it was stifled, and Dr. Knudsen was suddenly relieved."

Related to this is a letter from AAPG President Edd Turner to President Carter.

"Dear Mr. President:

The dismissal of Dr. Vincent E. McKelvey as Director of the United States Geological Survey by Secretary Andrus has caused great concern among the members of AAPG. Dr. McKelvey has served with great distinction and is respected by the geologic profession throughout the world as an outstanding scientist and administrator. To be the first Survey Director to be dismissed in the 98 - year history of the USGS must be a great disappointment to Dr. McKelvey, and should be a matter of concern to those who chose to break a tradition of such long standing.

Of equal concern to us are rumors that the tradition of choosing a new Director from among the list of candidates submitted by the National Academy of Sciences may also be ignored. Although we are not aware of the names on the Academy's list, our respect for the Academy is such that we are confident that the best choice lies among the names which they submitted.

Should a candidate not recommended by the Academy be nominated, we will feel compelled as a matter of public duty to voice our concerns at the Senate confirmation hearings.

Yours truly,
Edd R. Turner"

Since Mr. Turner's letter was written, the Department of Interior has requested the National Academy of Sciences to identify a panel of outstanding candidates for the position; so possibly the letter did some good.

The directorship of the USGS is a Presidential appointment subject to Senate confirmation.

SARAH CHILDRESS

SUPPORT (!) FOR REGULATION

This item noted by the IPAA in its September, 1977, Executive Report:

"FPC August 12, 1977, denied rehearing in case thus far little noted but of possible extreme importance to producers (James M. Forgo-ton, Operator ... Docket No. C174-319). FPC de-nied application for abandonment of 2 wells which had stopped producing and ordered the pro-ducer to rework and recomplete the wells and re-store service to the purchaser. Commission made express threat of both civil and criminal ac-tions against producer for failure to comply. Under Sec. 413 of H. R. 8444 (part of the natural gas 'compromise' included in National Energy Act recently passed by House) authority of the FPC and Federal Energy Regulatory Commission to take such actions would be broadened and extended to every sale of gas, both inter and intrastate."

SUPPORT (?) FOR PRICES

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SAFFLOWER OIL	5.65	237.30
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SCHLITZ BEER	1.88	78.96
COCA-COLA	1.20	50.40
FRUIT PUNCH DRINK	.89	37.38
SPRING WATER	.51	21.42
GASOLINE	.494	20.74
CRUDE OIL - old	.127	5.32
- new	.271	11.38

"Reprinted from THE LANDMAN - July, 1977"

PROGRESS
October, 1977

<u>Exploratory</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	0	0	19
UK	0	0	1
LK	0	0	2
Jurassic	0	0	5
Paleozoic	0	1	3
<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	5	0	5
UK	4	0	3
LK	0	2	2
Jurassic	0	1	0
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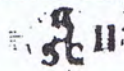
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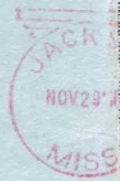
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CALENDAR

Dec. 6 - M.G.S. EVENING MEETING
Primos Northgate

Dec. 31 - PETROLEUM AUXILIARY PARTY
University Club

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 5, JANUARY, 1978

JANUARY TOPIC: FALSE RIVER TREND

On Tuesday, January 10th, the noon meeting of the M.G.S. will be addressed by Joe B. Adams, Jr., and Frank W. Harrison, Jr., following a buffet lunch in the Petroleum Club. The talk, "South Louisiana Cretaceous Tuscaloosa Trend-False River Field", will be an expanded version of that given at the latest GCAGS convention in Austin. The abstract is carried elsewhere in this issue.

Joe Adams is Senior Offshore Geologist with the Louisiana Department of Conservation. A native of Livingston, Louisiana, Joe received his B. S. in Geology from L. S. U. Following U.S. Army service, he was in the construction industry. From 1963 to 1975, Joe was District Geologist for the Louisiana State Mineral Board. He transferred in 1975 to his present post.

Frank Harrison is a consultant geologist and independent based in Lafayette. A native of Bastrop, Louisiana, Frank also received his B. S. in Geology from L.S.U. He, too, served in the U. S. Army, following which he was with Union Producing, Seaboard, and Trans-Tex Drilling. He went independent in 1959.

False River and the Trend that it is on have many eye - popping numbers, so the talk should be extremely interesting. Reservations should be called in to T. C. RADER at 948-4128 no later than noon, Monday, January 9th. The meal will be \$5.00.

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PROJECTION	BILL IRWIN
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ADVERTISING	PAUL DAY
AUXILIARY	BETTY TWINER
GEOPHYSICS	TOM WOOD
PHOTOGRAPHY	DAN HERLIHY
PROGRESS	JIM SMITH

SOUTH LOUISIANA CRETACEOUS TUSCALOOSA TREND
FALSE RIVER FIELD

by Joe Adams and F. W. Harrison, Jr.

ABSTRACT

On August 14, 1975, Chevron Oil Company spudded the No. 1 Alma Plantation, in Section 87, Township 6 South, Range 11 East, Pointe Coupee Parish as a Cretaceous test, with an objective total depth of 22,500 feet. This became the discovery well for False River Field and has touched off a play that stretches from the Texas-Louisiana line in Vernon and Beauregard Parishes, easterly and southeasterly to St. Tammany and St. Bernard Parishes at the Louisiana-Mississippi state line. In addition to wells that are being drilled at False River Field, permits for thirty - four wells have been granted along the trend. In excess of 1.8 million acres have been leased along the trend and False River is being rapidly developed.

To date five wells have been completed in the False River Field from the Tuscaloosa Formation of lower Upper Cretaceous age at a depth of 19,800 feet. In addition, four wells are currently drilling and testing. The No.1 Alma Plantation, which is a discovery well, flowed at the rate of 20 MMCF gas per day with a flowing tubing pressure of 11,600 psig and initial shut-in reservoir pressure was 16,806 psig. From subsurface and seismic data the structure appears to be buried below the base of the Austin Chalk. The structure is twenty miles long and ten miles wide at a depth of approximately 19,000 feet and is situated along and south of a Cretaceous hinge line extending from Lake Bornege northwesterly across south central Louisiana into southern Vernon Parish. A study of the structure and stratigraphy of the False River Field provides an analogy which should be applicable to locating other prospective areas along the hinge line.

M.G.S. BOARD MEETING HIGHLIGHTS
December 20, 1977

Attending: AULTMAN, CHILDRESS, FRITZ, HOWARD,
TURNER. Guests: MCGEE, SIWULA.

Photodirectory: SIWULA reported that directories were being mailed and recommended that future directories be fully expensed through advertising. Board expressed "job well done" appreciation to SIWULA and his committee.

Regular Meetings: HOWARD recommended meal costs be published in current M. G. S. Newsbulletins. Approved.

Continuing Education: TURNER expected the fall seminar on exploration methods for fractured carbonates to result in a loss of approximately \$400 due to poor attendance (20⁺).

Field Trip: TURNER announced that 10 sections had been measured, that WELCH had compiled their descriptions, and that the guide book was nearing completion. MARBLE had tentatively arranged for chartering two buses.

Publications: FRITZ requested extra allocation for reproduction costs of cross sections and "Redbook" supplements. Approved. AULTMAN recommended limit be raised from \$50 to \$100 for such reproduction costs. Approved. CHILDRESS suggested that a special subcommittee may be necessary to revive the new fields supplement to the "Redbook", and that the subject would be considered at the next board meeting.

G.C.A.G.S.: CHILDRESS announced that G.C.A.G.S. plans to bolster student attendance by allotting from the G. C. A. G. S. treasury \$20 to each of 10 Mississippi students selected by M.G.S. CHILDRESS was to form a committee for the selections. AULTMAN recommended that M.G.S. augment the G.C.A.G.S. amount by a \$150 donation. Tabled.

Officers Duties: HOWARD, due to his transfer to Dallas, considered that he would be unable to complete his duties fully, and announced his resignation from the office of Secretary. CHILDRESS accepted the resignation and was to form a nominating committee to provide a slate of secretarial candidates. The election was scheduled for the January meeting.

M.G.S. CONTINUING EDUCATION PROGRAM
January 26, 1978

Dr. Claude R. Hocott, Executive Vice-President of Esso Production Research Company will be the speaker for our next Continuing Education Program to be held January 26. Dr. Hocott's subject will be "Reservoir Engineering for Geologists" with emphasis on reservoir stimulation and well completion (both oil and gas).

The course explores the use of cores, logs and other formation evaluation techniques in the assessment of reservoir properties and predictable fluid behavior. Dr. Hocott is designing his course to address the practical aspects of reservoir engineering and the problems encountered by the working geologist and independent.

It is hoped that members of the Mississippi Geological Society will turn out in good numbers to hear what promises to be a valuable program. The talk will be held from 6:30-10:00 P.M., Thursday, in the Smackover Room of the Capital City Petroleum Club on January 26, 1978.

PROGRESS
November - December, 1977

<u>Exploration</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	1	0	31
UK	0	0	4
LK	0	3	3
Jurassic	0	0	6
Paleozoic	0	1	2
<u>Development</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	8	0	18
UK	0	0	3
LK	0	7	2
Jurassic	1	1	1
Paleozoic	0	0	1

Thelma Field -

Maguire Oil Co. #1 Houston Dairies
Sec. 33-T12S-R3E, Chickasaw County, Miss.
Evans perms: 3851-3859: I.P.F.:300 MCFGPD,
24 BWPD, 44/64" ck, TP. 50#.

Tatum's Camp Field -

Sun Oil Co. #1 Ross Beatty
Sec. 9-T3N-R15W, Lamar County, Miss.
Hosston perms: 15,770-15,802: I.P.F.:
1,863 MCFGPD, 99 BCPD, 16 BWPD,
8/64"ck, T.P. 4888#, qty. 49 deg.

Elysian Fields Plantation Field -

H&N Operating Co., #4 Grafton,
Sec. 12-T8N-R3W, Adams County, Miss.
Stewart B perms: 4269-4270: I.P.F.
89 BOPD, 8/64" ck, T.P. 615#, C.P. 1050#,
qty. 40.7 deg.

Carson Field -

Shell Oil Co., #1 Amoco-Sabine
Sec. 23-T7N-R18W, Jefferson Davis Co.,
Miss., Hosston perms: 15,076-15,084: I.P.F.

2,400 MCFGPD, 216 BCPD, 13/64" ck, T.P.
2320#, Gor. 10.185-1, qty. 48.1 deg.

New Pay - Whitesand Field -
System Fuels, Inc. #1 Peter Price Est.,
Sec. 12-T7N-R20W, Jefferson Davis Co.,
Miss., Sligo perfs: 14,924-14,945, I.P.F.:
2,850 MCFGPD, 18/64" ck, T.P. 1550#

LIGHTS OUT (?)

The National Electric Reliability Council (NERC) finds that the adequacy of electric power supply for the future is in jeopardy, and, once a deficiency of generating capacity exists, the time to recover will be measured in years. The Council reports that the utility industry is presently restrained from providing an adequate future supply of electric energy. This will result in (1) an era of an energy-limited economy for the United States, (2) disruption of operations in the industrial sector, (3) economic hardship and reduced operating efficiency to commercial establishments and the business community, and (4) adverse changes in the lifestyle of the American people with threats to their health and welfare.

The N E R C notes that the constraints which threaten the power industry's ability to secure adequate quantities of fuel are (1) the complete inability to meet the coal needs of the nation without rapid and extensive action to expand the Western coal fields, (2) the adverse effects on coal production by the Federal Surface Mining legislation and more restrictive air quality standards, (3) a bottleneck in railway and river channel transportation of coal, and (4) the Administration's ambivalence toward nuclear power and regulations affecting the use of oil and gas as boiler fuels in existing plants, with gas phased out completely by 1990.

PRESIDENT'S NOTES

At the December Board of Director's meeting, Secretary WIN HOWARD announced his resignation. Following is a copy of Win's letter:

BOARD OF DIRECTORS
MISSISSIPPI GEOLOGICAL SOCIETY

GENTLEMEN:

YOU ARE ALL AWARE OF MY TRANSFER TO DALLAS AND DUE TO THE FACT THAT I SHALL BE MOVING SHORTLY AFTER THE FIRST OF THE YEAR, I HEREBY SUBMIT MY RESIGNATION AS SECRETARY OF THE MISSISSIPPI GEOLOGICAL SOCIETY.

I APPRECIATE THE HONOR OF HAVING BEEN ELECTED TO OFFICE BY MY FELLOW COLLEAGUES AND I AM SORRY THAT I AM UNABLE TO FULFILL THIS OBLIGATION THROUGHOUT THE FULL TERM. IT HAS BEEN A PLEASURE WORKING WITH THE BOARD AND ALL OF THE MEMBERS OF THE SOCIETY, AND IT WILL BE AN EXPERIENCE I WILL LONG REMEMBER.

SINCERELY,

W. S. HOWARD

We truly hate to see Win leave. He has made many contributions to our Society. I know that each of you will want to join me in wishing him the best of everything.

JAMES K. SMITH, with R. L. Burns Corporation, has been appointed Acting Secretary to fill Win's vacancy until we have an election. The MGS 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 January 10th meeting.

Nominations may also be made from the floor. Voting will be conducted by secret ballots, and a majority vote of those members present and voting shall decide the election, as stated in our constitution.

I hope to see all of you at our January meeting.

SARAH CHILDRESS

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H. E. KARGES Consulting Geologist 1240 Capital Towers Phone 352-0972 P. O. Box 1635 Jackson, MS 39205	

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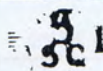
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Jackson, Mississippi

MISSISSIPPI GEOLOGICAL SOCIETY
P. O. BOX 422
JACKSON, MS 39205

CALENDAR

- January 6 - M.G.S. NOON MEETING
Petroleum Club
- January 16 - J.G.S. EVENING MEETING
Primos Northgate
- January 26 - M.G.S. CONTINUING EDUCATION
6:30 P.M., Petroleum Club

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 6, FEBRUARY, 1978

FEBRUARY 14 TOPIC:

WRENCH FAULTING IN MISSISSIPPI

Featured at the M. G. S. noon meeting on February 14, 1978, will be Oscar PAULSON, who will speak on wrench faulting in Mississippi. Dr. Paulson has published several papers on this subject and will make a very interesting talk. The abstract is carried elsewhere in this issue.

Oscar, who is chairman of the Geology Department at the University of Southern Mississippi, received his B. S. from Mississippi State and his Ph. D. from Louisiana State. He has been a computer for United Geophysical, an instructor at both Mississippi State and Louisiana State, a research geologist for the Louisiana Geological Survey, and a petroleum geologist for Gulf Coast Venture. He has been with the Hattiesburg University for many years.

Last month's meeting had a record turnout, which coupled with a fairly low reservations list resulted in the predictable less - than - perfect service. It could have been avoided very easily with a few more short phone calls to T. C. RADER. Do yourself a favor (as well as hard-working T.C.) and remember to phone in your reservations, 948-4128, no later than Monday, February 13. The tab will be \$5.00.

MISSISSIPPI GEOLOGICAL SOCIETY

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DAVE CATE	PAST PRESIDENT	FIRST MISS.

DELEGATES:

PHILLIP REEVES	A.A.P.G.	PRUET & HUGHES
ALAN JACKSON	A.A.P.G.	CONSULTANT
DEAN KEBERT	G.C.A.G.S.	WEAVER

COMMITTEES AND CHAIRMEN:

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CONTINUING EDUCATION	LARRY BARIA
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GEOPHYSICS	TOM WOOD
PHOTOGRAPHY	DAN HERLIHY
PROGRESS	JIM SMITH

addresses from BILL MCGEE, 969-0100.

M.G.S. BOARD MEETING HIGHLIGHTS

January 31, 1978

Attending: CHILDRESS, FRITZ, SMITH, TURNER.
Guests: MCGEE, WELCH.

Field Trip: WELCH has submitted most of the guide book material to BILL MOORE for editing and publishing. Arrangements complete. Will mail reservations confirmation letters to M. G. S. membership in near future.

Conventions: FRITZ to attend AAPG in Oklahoma City, so he will be able to oversee management of M.G.S. booth. EMIL MONSOUR will coordinate papers for G.C. A.G.S.

AAPG Delegate: Nominating Committee has selected as candidates CHARLES WILLIAMS and TOM SIWULA in the election to replace PHIL REEVES, whose term expires June 30, 1978.

Publications: Revisions of oil field volume ("Red Book") at a standstill. Continuing to search for a manager.

Continuing Education: Plate tectonics talk proposed for March. SMITH suggested program be coupled with dinner. Both approved.

Projection: TURNER recommended purchase of an electric pointer for speakers' use. Approved.

Meetings: Net losses from meals through insufficient income are insupportable. SMITH proposed method to eliminate such losses.

PROGRESS
January, 1978

<u>EXPLORATION</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	1	0	13
UK	0	0	0
LK	0	0	3
Jurassic	0	0	3
Paleozoic	0	1	3
<u>DEVELOPMENT</u>	<u>OIL</u>	<u>GAS</u>	<u>DRY</u>
Eocene	2	0	6
UK	3	0	1
LK	1	5	0
Jurassic	2	0	1
Paleozoic	0	1	0

N. Forest Home Field -

Ferguson & Bigland #1 Armstrong-Oakland,
Sec. 35-T8N-R1W, Jefferson County, Miss.,
Wilcox perms: 4270-71' : IPP 40 BO + 190
BWPD gty 31 deg.

Wells Field -

Pruet & Hughes #1 Chism Unit 10-3,
Sec. 10-T17S-R18W, Lowndes County, Miss.,
Lewis perms: 5701 : IPF: 1068 MCFGPD, 1/4"
ck, TP 700#.

GERALD KINSLEY recently became associated
with Helmerich and Payne.

EMIL T. MONSOUR has resigned from Enserch
and now is in the consulting ranks.

M. G. S. SPRING FIELD TRIP
APRIL 19-21, 1978

Preparations for the M. G. S. spring field trip to northwestern Alabama are almost complete. The field trip, slated for Wednesday afternoon, April 19, through Friday evening, April 21, will cover essentially the entire Mississippian section of the northeastern part of the Black Warrior Basin. Led by STEWART WELCH and other members of M.G.S., the field trip will center around Florence, Alabama.

Plans are to leave Jackson in the early afternoon, Wednesday, on chartered buses and return late Friday evening. Motel reservations at the Florence Holiday Inn have been made, but will need to be confirmed by March 31st. The registration fee will be \$40. Included in the registration fee are box lunches for Thursday and Friday, plus dinner on Thursday. Other meals and lodging costs are to be handled by individuals' preferences. Lodging costs will be \$21 single, one person, and \$29 double, 2 persons.

The field trip will be conducted in dry Alabama counties and will be escorted by the Alabama State Highway Patrol. Therefore, soft drinks only will be allowed on the buses. The Thursday dinner, however, will include a social hour with hard drinks, as we are told this is allowed.

Because of road conditions and logistics, the trip will be limited to approximately 90 participants on a first - come basis; however, members of the Society will be given first opportunity. Registration forms will be sent to the membership in the near future.

PHOTODIRECTORY NEWS

Copies of the Photo Directory have been mailed to all out-of-town members. If you have failed to receive your directory, please notify TOM SIWULA, P. O. Box 219, Enserch Exploration, Inc. Please send \$4.50 to the Society to cover cost and handling, if you have not already done so.

Jackson members who have not yet purchased directories can save the Society the expense of mailing if they will contact TOM SIWULA at 969-0100 or JERRY YOSTE at 355-4751.

Copies of the Directory may be purchased from Ridgways, 103 E. Pearl St., Jackson, Miss. 39205, or Enserch Exploration, Inc. (Attn.: TOM SIWULA), P.O. Box 219, Jackson, Miss. 39205.

The price is \$4.00 for members and \$5.00 for non-members, plus 50¢ postage and handling.

J.G.S. SCHEDULES INTERDISCIPLINARY TALK ON FEBRUARY 27th

FRANK BELL, Vice President of the Jackson Geophysical Society, announced that the speaker at J.G.S.' February meeting will be Walter Filipone, with Union Oil Company of California. Mr. Filipone's talk, entitled "The Use of Synthetic Seismograms in Exploration", will be of interest to geologists as well as geophysicists.

Mr. Filipone, with a B. S. in Geology and an M.S. in Geophysics, headquarters in Union's Brea, California, research center. He was with United Geophysical for 12 years prior to joining Union Oil. For the past 12 years, Walt has been their Senior Research Associate for Geophysics.

The meeting will be held on Monday, February 27th, which is a variance from the usually slated third Monday of the month. The reason is because of Mr. Filipone's prior speaking commitments.

ADDITIONAL COMMENTS ON REGISTRATION

(The following letter from the Past President, Mississippi Section, Association of Professional Geological Scientists, is presented here in its entirety. Ed.)

P. O. Box 1766
Natchez, Mississippi 39120
January 12, 1978

Sarah Childress, President
Mississippi Geological Society
Jackson, Mississippi 39205

Dear President Childress:

The Mississippi Section of the Association of Professional Geological Scientists extends its best wishes for a happy and prosperous new year to the members of the Mississippi Geological Society.

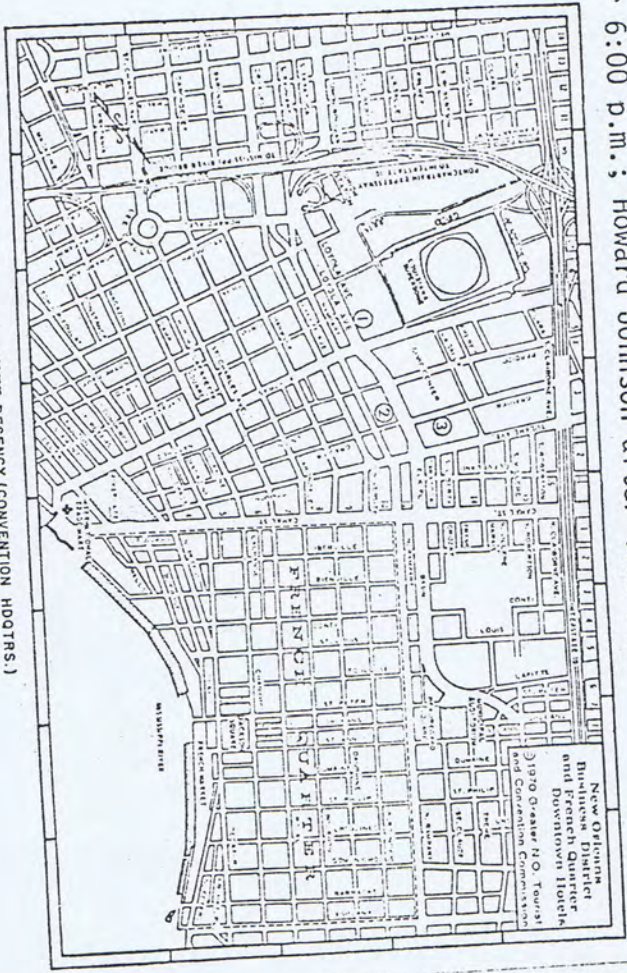
As past President of the Mississippi Section of APGS for 1977, I feel obligated to make one final reference to the issue of registration, which was the subject of study undertaken by a special committee of our organization during my term of office. Consistent with the original plans of this committee, input on this issue was solicited from the Mississippi Geological Society. My intent is not to dwell further on this issue, but to attempt to clarify any misconceptions regarding the purpose and objectives of APGS and to reconcile any differences that the issue of registration may have caused between the two organizations. After all, a number of us are members of both groups.

First, let me assure you and the members of MGS that the primary purpose of APGS is not to seek or achieve registration of geologists through legislative action. Certification by virtue of membership in APGS is not synonymous with registration (legal licensing by a governmental authority); nor does APGS necessarily endorse or encourage registration by governmental authority. To the contrary, certification by APGS has become recognized by many courts and governmental agencies as proof of expertise in the profession. In states where APGS has become involved in registration, it has been for the purpose of safeguarding the profession and the public when future legislation for registration was either imminent or currently being proposed by individuals or organizations not representative of the geological sciences.

Certification is probably the best known function of APGS; however, there are many other programs important to the geological sciences that are conducted by our organization. Generally stated, the constitutional purposes of APGS are to strengthen the profession through the establishment and evaluation of professional qualifications and to insure the protection of the profession and the public from non-professional practices. To achieve these purposes, APGS is involved in an aggressive legislative monitoring program in Washington, D. C. Also, many Association members have testified before legislative committees on legislation affecting the geological profession, thereby providing the geological sciences with an effective voice

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in government.

The prestige of APGS, since its beginning in 1963, has been maintained on a high level, as demonstrated by the calibre of officers serving the organization at the national level. Past Presidents of the national organization have all been nationally or internationally renowned geologists. Some have also served as President, or in other important positions, in the American Association of Petroleum Geologists. The current President of APGS for 1978 is Grover E. Murray, a Past President of AAPG.

On November 15, 1977, Mr. Joe Fritz presented a discussion of "Registration of Geologists" before the regular meeting of MGS. A tentative draft of legislation similar to that used by registered engineers was used as a format for Joe's talk. The intended purpose of this presentation was to familiarize geologists with various aspects of registration and to invite a co-operative joint effort in considering this issue in the event a positive response was received from the MGS membership. As you no doubt recall, Joe's talk prompted much debate followed by a floor vote indicating a negative response from the majority of those present.

In view of this response, Mr. Fritz stated that the APGS committee would drop their study of the registration issue. I join Mr. Fritz in assuring you and the members of MGS that the Mississippi Section of APGS has no in-

tentions of continuing this study or initiating any other action regarding registration.

Should any type of future legislation or governmental action affecting the geological sciences become imminent I feel sure the Mississippi Section of APGS would welcome the opportunity to join in a co-operative effort with the MGS to insure that such actions do not unnecessarily restrict the performance of duties and activities inherent in the practice of the profession.

On behalf of the Mississippi Section, I hope that APGS and the Mississippi Geological Society can enjoy a closer working relationship in the future.

Sincerely yours,

R. E. Schmieg

NEW U. MIAMI CARBONATE
PUBLICATIONS LIST

Recently received from the University of Miami is a list of publications concerning a variety of carbonate subjects. Some of the publications are reprints, others are new. The new ones include reef guidebooks from last year's international symposium, and a volume about Andros tidal flat sedimentation. For more information, call BILL MCGEE, 969-0100.

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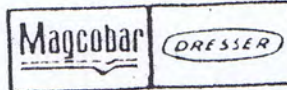
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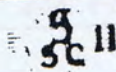
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CALENDAR

- February 14 - M.G.S. Noon Meeting
Petroleum Club
- February 27 - J.G.S. Evening Meeting
Primos Northgate, 5:30 P.M.
- April 9-12 - A.A.P.G. Convention
Oklahoma City, Okla.
- April 19-21 - M.G.S. Spring Field Trip
Florence, Alabama

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 7, MARCH, 1978

MARCH 21 TOPIC:
DIAGENETIC CLAYS IN CLASTIC RESERVOIRS

The speaker at the M.G.S. evening meeting on March 21, 1978, will be William R. Almon, who will present his paper, "The Influence of Diagenetic Clay Minerals on Stimulation Designs for Clastic Reservoirs." The subject continues to have an increasing economic impact, and can be critical insofar as some reservoirs are concerned. This is obvious when one considers that diagenetic clays alter pore geometry by reducing pore throat size and by increasing pore surface area. Many completion and/or stimulation programs should be tailored for specific problems presented by those clays.

Bill Almon is from Tulsa, where he is employed by Cities Service Company in their Energy Resources Group, Exploration and Production Research Laboratory. He received his M.A. (Chemistry) and Ph.D. (Geology) from the University of Missouri in 1973 and 1974. He is investigating clastic sediment diagenesis for methods of improving well stimulations and completions by tailoring them to correct particular diagenetic problems. He is also working on other aspects of diagenesis toward the delineation of regional diagenetic trends as an exploration tool.

The meeting, at Primos Northgate, starts at 5:30 P.M. Reservations are to be called in to T.C. RADER, at 948-4128, no later than noon Monday, March 20. The tab will be \$7.00.

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PRESIDENT'S NOTES

By now all of you have received registration forms for our Spring Field Trip, "Mississippian Rocks of the Black Warrior Basin." As noted on the form, the number of participants will be limited to 90 on a first-come, first-serve basis. A large turn-out is anticipated, so it will be to your advantage to send your registration in as soon as possible. STEW and his committee have put a lot of time and effort into this project, and a very informative and fun time will be had by all attending.

G.C.A.G.S. will give \$20.00 to each of ten students from our State who attend the Convention in New Orleans this year. Your Board of Directors adopted a policy to match these funds in order to stimulate student participation. Students of geology are the basic part of our science and our profession, and we should offer them whatever help that we can. We are now in the process of looking for someone to coordinate this very worthwhile project. Any volunteers?

Our last Continuing Education program for this year will be held Thursday, March 16, at the Primos Northgate Restaurant. Dinner will be served and the lecture should be of interest to each of you. More on this elsewhere in the Bulletin. Also, on March 21 our last regular meeting is scheduled. During April we will have our annual "Spring Fling", and May, of course, is reserved for the outing at Fowler's Lodge. I hope to see you at all of these.

SARAH CHILDRESS

THE INFLUENCE OF DIAGENETIC CLAY MINERALS
ON STIMULATION DESIGNS FOR CLASTIC RESERVOIRS

by
William R. Almon

A B S T R A C T

Diagenetic clay minerals play a controlling role in reservoir sensitivity because they develop within the pore system and alter its geometry by reducing effective pore throat size and greatly increasing pore surface area. As a result of their development within the pore system, diagenetic clay minerals receive great exposure to drilling, completion and stimulation fluids.

The small size and very high surface area of diagenetic clay minerals make them extremely reactive. Thus, they control the rock chemistry and determine reservoir sensitivity. The exact type of fluid sensitivity (acid, fresh water, etc.) will depend on the exact type of clay mineral present and the degree of sensitivity will depend on the amount and distribution of the clay mineral within the reservoir.

Considering the impact of diagenetic clay minerals on rock properties, diagenetic analysis should become a standard of well evaluations. Diagenetic analysis will allow well stimulations and completions to be tailored to the chemistry of the particular reservoir being treated. Tailoring treatments for the specific problems of a specific reservoir should greatly increase effectiveness of the treatment and maximize the chances for a successful treatment.

M.G.S. MEMBERS TESTIFY REGARDING
PROPOSED SEVERANCE TAX INCREASE

At a hearing in late January, 1978, three M.G.S. geologists and others spoke to the Mississippi Senate Oil and Gas Committee regarding a proposal to double the current severance tax rate from 6% to 12%. The M.G.S. geologists testifying were SARAH CHILDRESS, DUDLEY HUGHES, and CHARLES WILLIAMS. Childress, President of the Mississippi Geological Society, addressed the committee on investment risk due to geology in terms of development cost. Hughes, an independent producer, reviewed the effects of a severance tax increase on a typical operator in his efforts to attract capital and in his ultimate production. Williams, Executive Vice President of the Mid-Continent Oil and Gas Association, Mississippi-Alabama Division, led the testimony and provided the committee with numerous pertinent charts and tables for illustrations and comparisons with other states.

The proposed severance tax rate hike was initiated by the Governor of Mississippi as a means of covering the losses which would result from another of the Governor's proposals. That proposal, to lower the ad valorem and road privilege taxes on most automobiles from an average of \$60 to a flat \$20, is a political "hay maker".

The testimony presented to the committee by the M.G.S. members was a concise, accurate picture of the current heavy burden the 6% rate places on the industry and vested-interest groups. It also gave clear indications of the net huge losses that are certain to be incurred by the people of Mississippi if the severance tax rate is increased.

As of late February, the severance tax bill was in committee.

CONTINUING EDUCATION PROGRAM

March 16, 1978

"Plate Tectonics in Gulf Coast Oil and Gas Exploration" is the topic for M.G.S.' spring Continuing Education Program. Dr. Thomas L. Thompson of the University of Oklahoma Geology Department will speak Thursday night, March 16, after a dinner at Primos Northgate. Dinner will begin at 6 P.M. The talk follows from 7-10. The tab for both is \$12.00.

Dr. Thompson will emphasize Gulf Coast pull-apart tectonics, transform faults, and related folding associated with the Appalachian - Ouachita megashear. This tectonic program is well timed to follow Dr. Paulson's lecture on Gulf Coast wrench faulting and its relation to Mesozoic and late Paleozoic structural framework.

Please make dinner reservations with T. C. RADER, at 948-4128, by Tuesday, March 14, 1978.

CALL FOR PAPERS
1979 APRIL AAPG CONVENTION

The 1979 Annual Convention of the AAPG and SEPM will be held April 1-4 in Houston, Texas, and this meeting very well could be the largest in the Association's history. Theme for the meeting is "OUR IDEAS FIND OIL" and a comprehensive, quality technical program is planned.

The first call for Papers for the 1979 meeting is now being made.

- CORRECTION -

Last month's Bulletin carried the announcement that EMIL MONSOUR resigned from Enserch. Instead of resigning, Emil retired from Enserch. (Ed.)

BOARD MEETING HIGHLIGHTS

February 27, 1978

Attending: AULTMAN, CATE, CHILDRESS, SMITH, and
TURNER.

G.C.A.G.S. Convention: To further student attendance, G.C.A.G.S. will provide a donation of \$20 each for up to 10 area students. G.C.A.G.S. also requested M. G. S. to select a coordinator for donations. Board approved matching G.C.A.G.S. donation. CHILDRESS to appoint coordinator.

Field Trip: Progress satisfactory. Guide book being proofed. Registration forms mailed out.

Projection: TURNER to inventory equipment and arrange for any necessary maintenance needs.

Publications: "Red Book" updating remains at a standstill, but Board was informed of a prospective subcommittee chairman.

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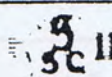
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CALENDAR

- | | |
|-------------|--|
| March 16 | - M.G.S. Continuing Education
Primos Northgate, 6:00 P.M. |
| March 21 | - M.G.S. Evening Meeting
Primos Northgate, 5:30 P.M. |
| April 9-12 | - A.A.P.G. Convention
Oklahoma City, Oklahoma |
| April 19-21 | - M.G.S. Spring Field Trip
Florence, Alabama |

NEWS

BULLETIN

mississippi geological society



VOL. XXV, No. 8, APRIL, 1978

SPRING FLING APRIL 25

Capital City Petroleum Club, Tuesday, the 25th - that's the where and when for M. G. S. annual "Spring Fling" organized by FRANK FRASCOGNA and T. C. RADER. Because this meeting will offer something for each of us, start making your plans now!

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 in the penthouse, and the dinner will be from 7:30 to 8:45 in the main dining room.

As in the past, tables will be set for groups of 6 and groups of 8. The first three tables (as you enter) will be reserved as the head tables. T. C. has again arranged for a fine menu!

From 9 'til midnight, Frank has arranged for dancing to the music of Ed Butler's and Howard Jones' bands. In keeping with the past, T. C. has received lots of door prizes for the ladies, and he also advises that a cash bar will be open from 9:00 P. M.

As emphasized by "The Arrangers" (Frank and T. C.), President CHILDRESS has cut the price to \$10 per couple. This has got to be the biggest bargain in town! Due to last year's success, and to the promise that this one holds, let's all help make this "Spring Fling" another memorable night.

Because of committment responsibilities, T. C. must have your reservations in by noon, Friday, April 21st. Phone 948-4128.

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JOE FRITZ	2ND VICE PRES.	MARION
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DAVE CATE	PAST PRESIDENT	FIRST MISS.

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ALAN JACKSON	A.A.P.G.	CONSULTANT
DEAN KEBERT	G.C.A.G.S.	WEAVER

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PHOTOGRAPHY	DAN HERLIHY
PROGRESS	JIM SMITH

PRESIDENT'S NOTES

April 25th is the BIG DAY. T. C. and FRANK have gone all out planning an evening of fun and festivities for you in our annual "Spring Fling". Bring your mate or date and just relax and enjoy!

STEWART will conduct the Black Warrior Basin field trip, April 19th through the 21st. This is the first field trip for our society in a number of years, and I am sure your response will be overwhelming. We thank Stewart and his committee: DON TURNER, MIKE GREEN, RON TISDALE, AL BICKER, JERRY ZOBLE, and BILL MOORE.

Plans are in the making this year to have the spring barbecue a freebie as usual. T.C. and "DADDY-O" PHILLIPS always make sure this outing is a favorite among our members.

I hope all of you can attend each of these three year-end events.

SARAH CHILDRESS

NOMINATING COMMITTEE
ANNOUNCES '78 -'79 SLATE

The nominating committee for the Mississippi Geological Society has secured a full slate of two candidates for each office in the coming society election. JERRY ZOBLE, chairman, announced that the committee has secured the following candidates: VERNE CULBERTSON and PHIL REEVES, First Vice President-President Elect; JIM SMITH and DON TURNER, Second Vice President; PHIL COOK and BILL COX, Treasurer; SIMEON ANN KING and TOM SIWULA, Secretary.

These members will be nominated at the April meeting; at that meeting, additional nominations from the floor will be accepted. Biographies will be published in the May issue of the News-bulletin. The election will be held at the May meeting.

PERSONALS

ED KENDRICK is back on the job after recovering from injuries received in an automobile accident in March. In the accident, Ed suffered five broken bones.

MAURICE BIRDWELL has resigned from Enserch, and has moved to Magnolia, Arkansas, where he now is employed by McAlester Fuel.

JOHN SUTHOFF has moved back to Jackson to open an office for General American in the Standard Life Building.

EMIL MONSOUR recently was elected to the Advisory Council of the American Association of Petroleum Geologists, Division of Professional Affairs.

RON TISDALE, one of your basic society working members, has been lost to M. G. S. due to his recent transfer to Union's Lafayette office.

BLACK WARRIOR FIELD TRIP

STEWART WELCH, field trip chairman, reports that the Black Warrior Basin field trip is "All Systems Go". All arrangements have been made. The guide book printing is near completion. The participant limit is being approached, and Stewart advises that those who plan to make the trip but who have not sent in their registration forms should do so now, before the limit is reached.

AAPG CONTINUING EDUCATION COURSES
 May, 1978

<u>Paul D. Newendorp</u> May 4-5	Petroleum Exploration Economics and Risk Analysis 12-hour	Energy Reserves Group (Wichita, Kansas)
<u>Arthur Sylvester</u> May 5	Folding and Faulting Related to Wrench Faults 3-hour	Union Oil Co. (Calgary, Alberta)
<u>W. E. Galloway</u> May 11-12	Exploration for Sandstone Stra- tigraphic Traps 6-hour	Houston Geologi- cal Society (Houston)
<u>John Farina</u> May 18	Reservoir Engineer- ing for Geologists 3-hour	Dallas Geologi- cal Society (Dallas)
<u>F. A. Donath</u> May 25	Structural Analysis of Fault and Frac- ture Systems 6-hour	Permian Basin Graduate Center (Midland, Texas)

J.G.S. MEETING
 April 18, 1978

The April meeting of the Jackson Geophysical Society will be held on the 18th at Primos Northgate. The speaker will be Dr. Fred Hilterman, with Professional Geophysics, Inc., who will describe the "Interpretational Benefits of Three-Dimensional Modeling".

Happy hours start at 5:30 P. M., and BRYAN HOULIHAN has invited the M. G. S. membership.

INCONGRUOUS INCENTIVES

If you happen to work for a company with less than 250 employees in a single location this won't affect you -- yet. If you want to know how the other half lives, read on. The State of Texas has, in effect, made it a regulatory requirement that any company with more than 250 employees in a single location must conduct a carpool incentive program or face a fine of \$25,000 per day! How does the State get away with doing this? They don't have a choice. The EPA demands this as part of the Texas State Implementation Plan. And all of that is a part of a new federal regulation known as the Employer Mass Transit and Carpool Incentive Program, which was formulated in compliance with the Clean Air Act Amendments of 1977. So, any state not in compliance with the clean-air standards set by the EPA must have a plan for implementing various steps required to bring it in compliance--hence the state implementation plan.

The new regulation makes it mandatory for the companies to match employees with similar daily travel patterns at least once each 6 months omitting only those who refuse, in writing, on the basis of personal privacy. These companies also have to "continuously" publicize the advantages of carpooling, to provide such incentives as convenient parking spaces, to provide incentives for bicycle commuting such as bicycle-locking facilities and plat rules encouraging bicycle use, and, if the company has more than 1000 employees at a location, to evaluate the feasibility of establishing a van-pooling program.

You have probably already guessed that the companies can't get away with just saying they are in compliance, right? That's right. The reports -- every year, the reports. On June 30, to be exact, the companies must detail how they have complied with all these requirements and show numbers of commuters regularly arriving at and

leaving a facility by each mode of transportation. And you as an individual can't just tell your company "Thanks, but no thanks." You are going to have to tell them-in writing-"No thanks, I decline to participate in the matching program."

M.G.S. BOARD MEETING
HIGHLIGHTS, March 27

Attending: CATE, CHILDRESS, TURNER. Guest: MCGEE.

G.C.A.G.S. - CHILDRESS related that G. C. A. G. S. will print the M.G.S. ad in the transactions at no cost to M.G.S., and announced that OSCAR PAULSON will coordinate student participation in G.C.A. G.S. for M.G.S.

Entertainment - The FRANK FRASCOGNA - T. C. RADER team has completed its "Spring Fling" work. Format similar to last year's, except that the bands will be Ed Butler's and Howard Jones', and that the entry fee is halved-to \$10 per couple.

A.A.P.G. - CHILDRESS announced A. A. P. G. request for candidate for J. C. Sproule award. Discussion of stipulations for candidates showed M.G.S. could not furnish a candidate this year.

Projection - TURNER reported inventory of equipment indicated no maintenance or repair needed.

Field Trip - Arrangements complete, guide book being printed; participation limit being neared.

INFORMATION ABOUT DEPARTMENT OF ENERGY

Last year, Western Crude Oil distributed a fact sheet which quoted a Washington Post headline: "HILL APPROVES DEPARTMENT OF ENERGY STAFF OF 20,000, BUDGET OF \$10 BILLION." That fact sheet compared the DOE's 19,767 employees and 1978 budget of \$10.6 billion to certain aspects of the oil industry, and concluded that "If you believe this budget won't increase next year, you'd better look under your pillow -- someone may have left you a quarter."

Alas, the tooth fairy did not come, but the 1979 DOE budget did -- and how! \$12.6 billion; an increase of almost 20%! To put the new budget in perspective, some of the comparisons made last year are restated below. (Last year's comparative numbers are in parentheses.)

1. It represents \$637,000 (\$500,000) per DOE employee (assuming the same number of employees).
2. It represents over \$59 (\$50) for each and every member of the U. S. population (212 million).
3. It represents \$316,878 (\$266,871) for each of the 39,763 wells drilled in 1976.
4. It represents \$4.27 (\$3.59) for each barrel of domestic crude oil production in 1976.
5. It represents \$1.99 (\$1.67) for every barrel of petroleum products consumed in 1976.
6. It represents almost 12¢ (10¢) for every gallon of gasoline consumed in 1976.
7. It represents \$0.41 (\$0.34) on every barrel of proven crude oil reserves as of December 31, 1976 (30.9 billion barrels).

PROGRESS
February-March, 1978

<u>Exploration</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	1	0	21
UK	0	0	5
LK	1	1	7
Jurassic	1	0	2
Paleozoic	0	0	4
 <u>Development</u>			
Eocene	7	0	12
UK	0	0	1
LK	1	8	1
Jurassic	4	1	0
Paleozoic	2	2	0

Glancy Field - New Pay
Kilroy Co. of Texas, Inc., #1 R. D. Sanders,
Sec. 9-9N-7E, Copiah County, Mississippi,
Hosston perms: 16,053-063'; IPF: 2600 MCFGPD
& 288 BCPD, 30/64" ck, TP 1100#, GOR 9028-1,
gty 51.2 deg.

Walrup Field - New Pay
Spooner Pet. Co., #1 Soterra, Sec. 12-1N-11E,
Jasper County, Mississippi, Bay Springs perms:
14,952-965'; IPF: 524 BOPD, 235 MCFGPD, 10/
64" ck, TP 1990#, GOR 448-1, gty 41.6 deg.

Mossville Field
Ashland Oil, Inc. and Pan Canadian Pet. Co.,
#1 B. C. Moss et al, Unit 8-15, Sec. 8-10N-
12W, Jasper County, Mississippi, Cotton Valley
perms: 15,292-304'; IPF: 14 BOPD, 20/64" ck,
TP 126#, gty 41 deg.

North Ireland Field
Dale Expl. Co., #1 Carter Unit, Sec. 42-
5N-1W, Wilkinson County, Mississippi, Sparta
perms: 4238½-241'; 7 BOPD, 12/64" ck, TP 10#,
gty 32 deg.

BOWLING LEAGUE

There has been some interest expressed about forming a Petroleum Bowling League commencing in the fall of this year. The lack of space at Larwil Lanes in northeast Jackson precludes the formation of a Petroleum League as such. At the present time, there are two oilmen's teams (Larco and Shenandoah) bowling in the Studs League on Thursday night at 6:30 P.M. It is felt that there will be room in this League for a few teams this coming September. Anyone interested in bowling on a team or sponsoring a team is asked to fill out the following form and return it to:

Tom Jones
402 First National Bank Bldg.
Jackson, Miss. 39201
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Call 969-1568

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Phone 354-1069

To put the DOE's new budget in another perspective, it is approximately double the 1976 earnings of the seven largest oil companies and exceeds the 1976 net income of the top 20 oil companies by almost \$2 billion -- profits which were characterized as "obscene" ----

M.G.S. PHOTODIRECTORY
COMMITTEE REPORT

A 76 page photo directory with information on over 400 M.G.S. members was completed in October, 1977. The directory includes 216 photographs and a short history of the society. Cost is \$4.00 to members, \$5.00 non - members, plus 50¢ handling charges.

Major expenses of \$2608.00 to Purser Brothers Inc., printer, and \$367.00 to Steve Colston, photographer, have now been offset by the sale of approximately 400 directories and \$1335.00 in advertising income.

We feel that the objectives set up for the directory by the executive committee will be fulfilled.

It is the opinion of the Directory Chairman that future endeavors of this type should use Ad-revenue to completely defray the costs. It is the custom among most societies to distribute free directories to their members.

Many thanks are due to Ridgeways, Enserch Exploration, Ms. Sue Thomas, Bill McGee, Bill Moore, and many other members for their help and support.

TOM A. SIWULA, Chairman

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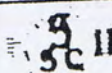
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CALENDAR

- | | | |
|-------------|---|---|
| April 18 | - | J.G.S. Evening Meeting
Primos Northgate, 5:30 P.M. |
| April 19-21 | - | M.G.S. Field Trip
Florence, Alabama |
| April 25 | - | M.G.S. Spring Fling
C.C.Petroleum Club, 6:30 P.M. |

NEWS

BULLETIN

mississippi geological society



MAY 23: BARBECUE AND ELECTION

The Mississippi Geological Society's spring barbecue will be at Fowler Buick Lodge on the Reservoir Tuesday, May 23. The lodge doors will be opened at 4:30 P.M., and dinner will be served at 6:30 P. M. The election of officers for 1978-1979 will be held just prior to the dinner.

As in previous years, T. C. RADER has secured the services of J.C. (DADDY-O) PHILLIPS in setting up this meeting. Needless to say, that guarantees M. G. S. the best barbecue any society could hope to have. The other news is that putting on such a barbecue requires some light volunteer work. Many societies have full committees to put on functions such as this; our society's committee now consists of only TWO men. So, consider that if you can spare an hour or two on the morning of the barbecue, the time would be well used for your own self-satisfaction in helping your society's needs. If you can help, call T. C.

A slate of outstanding candidates for officers for 1978-1979 has been filled. Brief biographies of these candidates are carried elsewhere in this bulletin. One vote (yours?) could make the difference, so be sure to get out there before 6:30 so you can vote. If you can't be there, JIM SMITH has absentee ballots.

The "tag-ends" at last year's barbecue can attest to the importance of having the best possible estimate of attendance; they were shortchanged on some items. Prevent your being shortchanged by calling in reservations to T. C.'s office by Friday noon, May 19th. The number is 948-4128.

MISSISSIPPI GEOLOGICAL SOCIETY
TREASURER'S REPORT
April 29, 1977 to May 1, 1978

INCOME:

Photo Directory Advertising	\$ 1,335.00
Bulletin Advertising	1,675.00
Field Trip Guide Book Advertising	1,320.00
Publications	2,019.24
Meetings	3,666.00
Contributions	3,140.00
Dues	4,040.00
Continuing Education	754.00
Photo Directory Sales	1,800.00
Field Trip Fees	1,680.00
TOTAL:	<u>\$21,429.24</u>

EXPENDITURES:

Printing Costs	\$ 2,055.55
Meetings	4,872.59
Secretarial	570.00
Scholarships	202.65
Postage	904.34
Office Supplies	37.78
Storage	300.00
Equipment Purchase & Rental	192.22
Audit & Accounting	175.00
GCAGS & AAPG	616.32
Field Trip	4,168.73
Photo Directory	2,990.70
Continuing Education	1,718.65
Miscellaneous	1,177.98
TOTAL:	<u>\$19,982.51</u>

BANK BALANCE - 4-29-77:	\$ 1,064.58
INCOME:	21,429.24
TOTAL:	22,493.82
EXPENSES:	<u>19,982.51</u>

BANK BALANCE - 5-1-78:	2,583.65
SAVINGS ACCOUNT - 5-1-78:	3,776.57

PRESIDENT'S NOTES

I have enjoyed very much serving as President of the Mississippi Geological Society this past year. We have had a good year. The regular monthly meetings were successful, especially the noontime meetings. As a matter of fact, at one of these we had record - breaking attendance. We had exceptional speakers who delivered interesting and informative lectures. For this we owe a debt of gratitude to PHIL COOK, Program Chairman. He truly did an outstanding job.

Through the diligent work of LARRY BARIA, Continuing Education Chairman, we offered three programs. These were all very successful except that attendance could have been better. I urge each of you to attend these lectures in the future. None of us ever knows enough to be able to neglect our professional education.

If you missed our Spring Fling, you missed one of the most enjoyable events of the year. FRANK FRASCOGNA and T. C. RADER did a bang-up job as usual and a fun time was had by all. LARRY BOLAND was caught by surprise as he was made an Honorary Member during the short business session between dinner and dancing.

We had two very successful projects this year, the Photo Directory and the Black Warrior Basin Field Trip. TOM SIWULA and his co-chairmen VERNE CULBERTSON and JERRY YOSTE were the main ingredients in our being able to have a photo directory for the first time since the early 1960's. STEWART WELCH, Field Trip Leader, and BILL MOORE, Editor of the Field Trip Guide Book, both did excellent jobs to insure a successful field trip. Others involved with the trip to whom we owe our thanks are JERRY ZOBLE, AL BICKER, DON TURNER, RON TISDALE, MIKE GREEN, and JOHN MARBLE. These publications are still available through your Society.

BILL MCGEE has an excellent News Bulletin again this year, as usual. Everyone seems to enjoy the new format and it is also much more eco-

nomical. Bill is resigning the job this year--this is his last Bulletin. It's a cinch that he will be missed a lot next year.

At the risk of slighting someone, I must mention several other people who worked to make this year a success. Thanks to BILL IRWIN, PAUL DAY, JIM SMITH, TOM WOOD, "DADDY-O" PHILLIPS, and Barbara Davis (she types the Bulletin!). Also, I would like to thank the officers of the Society who upheld their offices and the attendant duties and responsibilities in a fine manner.

Financially, we were able to operate on income from the usual dues, contributions, and advertising and publication sales. We are especially thankful to our contributors who responded in fine fashion to our requests, and also to those who advertized in not only the Bulletin but in the Photo Directory and the Field Trip Guide Book as well. A financial state of condition is printed elsewhere in this Bulletin. Our expenses and our income were more than double what they have been in years past--this is because of the field trip and photo directory.

The 1978-1979 officer candidates are listed elsewhere in the Bulletin. JERRY ZOBLE and his committee have selected a well - qualified slate. The operation of the Society is serious business, and it is each member's duty to carefully consider the candidates and their qualifications before voting. Voting will be at the May 23 meeting, but absentee ballots can be obtained from JAMES K. SMITH for those not able to attend. This year's President-Elect, LES AULTMAN, will assume the President's office on June 1 and the business of the Society will continue smoothly during the transition.

We began this year with a very successful barbeque - beer bust and will close with the same deal. I urge all of you to attend the May 23 outing and help end the year with a good time.

SARAH CHILDRESS

CANDIDATES FOR FIRST VICE PRESIDENT
PRESIDENT ELECT

- Verne Culbertson -

Education: B.S., 1948, Iowa State
Employment: 1949-1952, Shell; 1952-1953,
Independent; 1953-1957, Lyle
Cashion; 1957-1959, Skelly;
1959 -- Independent
Societies: A.A.P.G., M.G.S.

- Phil Reeves -

Education: B.A., 1957, Louisiana Tech
Employment: 1957-1961, Hycalog; 1961-1967,
Location Sample Service (part
owner); 1967-1976, Cities
Service; 1976 -- Pruet & Hughes
Societies: A.A.P.G. (Delegate), M.G.S.
(Nomenclature Chairman)

CANDIDATES FOR SECRETARY

- Simeon King -

Education: B.S., 1977, Southern Mississippi
Employment: 1977 -- Pruet & Hughes
Societies: A.A.P.G., I.P.A.A., J.G.S., M.G.S.

- Tom Siwula -

Education: B.S., 1952, Cincinnati
Employment: 1953-1970, ARCO; 1970-1974, Aztec;
1974 -- Enserch Exploration
Societies: A.A.P.G., Ohio G.S., Michigan G.S.,
M.G.S. (Photo Directory Chairman)

CANDIDATES FOR SECOND VICE PRESIDENT

- Jim Smith -

Education: B.S., 1967, Millsaps; M.S., 1969,
University of Alabama
Employment: 1969-1975, Cities Service; 1975-
1977, Skelly; 1977 -- R. L. Burns
Societies: A.A.P.G., S.E.P.M., A.P.G.S., Ala.
G.S., Lafayette G.S., Shreveport
G.S., M.A.P.L., J.G.S., M.G.S.
(Secretary)

- Don Turner -

Education: B.S., 1970, Wisconsin; M.S., 1972,
Wisconsin
Employment: 1972 -- Union Oil
Societies: A.A.P.G., M.G.S. (Continuing
Education Chairman & Treasurer)

CANDIDATES FOR TREASURER

- Phil Cook -

Education: B.S., 1973, Southern Mississippi;
M.A., 1975, Southern Mississippi
Employment: 1975-1977, Amoco; 1977 -- Forest
Societies: A.A.P.G., G.S.A., New Orleans G.S.,
M.G.S. (Program Chairman)

- Bill Cox -

Education: B.S., 1952, Tulsa
Employment: 1952-1954, Dowell; 1954-1968, Alex
McCoy; 1968-1975, Union Oil; 1975-
1976, Columbia Gas; 1976 -- Mich.-
Wis.
Societies: A.A.P.G., Houston G.S., Canadian G.S.,
M.G.S.

WE MUST FOLLOW THROUGH

(The following is a reprint of material included in the A. A. P. G. Bulletin, Volume 61, Number 6, June 1977. The author, Robey H. Clark, has made some succinct remarks -- remarks that we should consider very carefully. ED.)

This President's Page is a plea to petroleum geologists to find more prospects and to get them tested. The accent is on follow through. To make interesting geologic studies is not enough. To find "favorable areas" is not enough. Our responsibilities as petroleum geologists are fulfilled only when specific prospects have been located, leased, and fully tested. It is our obligation to use our creativity and to stand by our convictions. We must persevere until ways are found through the maze of obstructions to drilling and testing. Overcoming these obstructions has always been a formidable task, but today it is greater than ever. The task includes selling management or the client on the worth of the project, convincing the landman that he can find a way to lease from a reluctant landowner, or obtaining acreage already leased to others.

As petroleum geologists we must follow through on obtaining necessary permits -- a task which may require working closely with complex bureaucracies on several levels. It may require overcoming the objections of preservationists and environmentalists when their objections are capricious or factually unsupported. Even though many nongeologic skills and functions are involved in getting a prospect tested, petroleum geologists must not abdicate those responsibilities. We must persist until all legitimate prospects are tested.

The world needs oil and gas. Without adequate supplies to provide for the next 30 to 50 years, the world faces disaster. In the United

(Continuation...FOLLOW THROUGH)

States production is falling and in Canada the reserve to production ratio is declining, but world energy demands are rising. World population is growing and the expectations of that population knows no bounds.

Intellectually, we know that so long as the sun shines and the wind blows we will not be without energy, but developing energy from sources other than oil and gas will be slow. Enforced conservation may temporarily modify the reserve to production ratio, but it will not add to absolute supply. Adding to absolute supply can be done only by finding prospects and getting them tested, and that is the job of petroleum geologists.

Geologists love the search, the re-search, and even research. We enjoy making maps and cross sections. Some of us have even learned to enjoy the computer and its output. Most of all we enjoy talking -- especially to each other about our projects. On the other hand, as petroleum geologists, we shrink from the follow-up problems of selling our projects to nongeologists. We shrink from confronting economists, engineers, lawyers, bureaucrats, managers, or preservationists with our prospects and persisting until they are tested.

Our work as petroleum geologists is not complete until the idea, the prospect, or the project is thoroughly tested. The world is desperate for the fruits of our labor. Let us be about our business.

ROBEY H. CLARK

LARRY BOLAND AWARDED
HONORARY MEMBERSHIP

Larry Boland was awarded Honorary Membership in the Mississippi Geological Society at our annual Spring Fling, April 25.

While in college Larry was a varsity letterman in both football and tennis. He received his B.A. in English and his M. S. in Geology from the University of Kentucky. After graduation, in 1946, he went to work for the United States Geological Survey in Lexington, Kentucky. In 1947 he started working for Amerada in Tyler, Texas. Two years later he transferred to Jackson and stayed with Amerada until 1970 when he changed over to Harkins & Company.

He is a member of AAPG and is a CPG. He is past president of MGS, has been Program Chairman, and head of the Job Placement Committee.

Larry is a diligent, hard-working person and definitely a credit to our Society. It is an honor to us to have him as an Honorary Member.

BLACK WARRIOR BASIN
GUIDE BOOK AVAILABLE

Good reading for every Black Warrior Basin geologist is the new Guide Book published for the M. G. S. 1978 spring field trip. In addition to the usual road logs, the 68 - page book includes papers on the Bangor Limestone, deposition of the Carter - Sanders Sands, Mississippian outcrop lithology, Blooming Grove and Corinne Fields. The publication is available through JOE FRITZ, Publications Chairman, 354-1132. The price is \$7.50.

J.G.S. PICNIC AND TOURNAMENT

June 9

The Jackson Geophysical Society's annual spring outing will be on June 9, at Brookwood Country Club. Golfers are to make up their own foursomes, and tee-off times are between 7:30 and 11:00 A. M. Early arrivals are requested. Following late afternoon bingo and tennis, a picnic dinner will be served at 5:30 P. M. FRANK BELL, J.G.S. Vice President, has extended an invitation to all MG.S. members to participate.

P R O G R E S S

April, 1978

<u>Exploration</u>	<u>Oil</u>	<u>Gas</u>	<u>Dry</u>
Eocene	1	0	8
UK	0	0	2
LK	0	0	3
Jurassic	0	0	3
Paleozoic	0	0	2
<u>Development</u>			
Eocene	3	0	6
UK	0	0	0
LK	1	2	1
Jurassic	0	0	2
Paleozoic	0	0	0

Spring Pond Field - Extension

Pelto Oil Co. and Paul H. Byrne, Jr.,
 #1-Washes Plantation, Sec. 8-8N-3W,
 Adams County, Mississippi, Stewart "B"
 perfs: 4192 $\frac{1}{2}$ -94'; IPF: 41 BOPD,
 8/64" ck, TP 100#, GOR 50-1.

M.G.S. BOARD MEETING
HIGHLIGHTS APRIL 24

Present: AULTMAN, CHILDRESS, FRITZ, TURNER

A.A.P.G.: CHARLES H. WILLIAMS elected Delegate,
THOMAS A. SIWULA, Alternate, for 1978-
1979 term.

Finance: TURNER reported Society's condition as
stable.

Photo Directory: FRITZ recommended publishing
revised editions periodically.

Publications: FRITZ requested expenditure for
new publications list. Approved.
SMITH to express M.G.S.'s appreci-
ation to Mississippi Geological
Survey for Survey's efforts and
outlay regarding field trip guide
book. Guide book now available
for sale.

P E R S O N A L S

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BURT BOWEN left L.L. & E. in New Orleans to join
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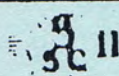
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C A L E N D A R

MAY 23: M.G.S. Evening Meeting
Fowler Lodge, 4:30 P. M.

JUNE 9: J.G.S. Picnic
Brookwood Country Club, 5:30 P.M.