

NEWS

BULLETIN

mississippi geological society



XVII No. 2, Oct. 1969

AAPG PRESIDENT CRANDALL HERE OCT. 6

MGS MEMBERS CULBERTSON AND
HERLIHY TO SPEAK OCTOBER 22

Members Verne Culbertson and Dan Herlihy will present papers which they have prepared for presentation to the GCAGS meeting in Miami later in the month. These GCAGS papers represent our local membership. Let's everyone read the abstracts, attend the meeting, offer constructive criticism and help Dan and Verne bag a best paper award.

The meeting will be at the King's Inn at Maywood Mart, Wednesday, October 22. Dinner will be served at 6:30 P. M., preceded by a social hour at 5:30 P. M.

PROFILE ANALYSIS - A GEOLOGICALLY ORIENTED GRAVITY INTERPRETATION

Clint F. Fagg
Houston, Texas

Daniel E. Herlihy
Jackson, Mississippi

Abstract

A byproduct of the examination of three different analytical methods of reducing gravity data to a form useful to the geologist is the presentation of the local gravitational field of one complete quadrangle in the Jurassic trend of Mississippi. The major salt dome minima are qualitatively confirmed by all three methods, although the quantitative effects vary. The more subtle effects of the Jurassic features are more susceptible to distortion by the process of removing the influence of regional density changes. The least distorting method of regional removal is shown to be the interlocking profile network. This technique obtains the most definitive resolution of the local gravitational effects of deep, low volume structures.

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

- | | |
|--------|---|
| OCT. 6 | Crandall Talk - King's Inn
Social Hour 5:30 P.M.; Dinner 6:30 P.M.;
Cost \$4.00 |
| OCT. 9 | Auxiliary Covered-dish Luncheon - Riverside
Park Club House
11:30 A.M. |
| OCT 22 | Culbertson - Herlihy Talks - King's Inn
Social Hour sponsored by Exploration
Techniques, Inc.
5:30 P.M. Dinner 6:30 P.M. Cost \$4.00 |

FOR RESERVATIONS TO MGS MEETINGS, CALL CLEM
DAZET, 352-8589, BY NOON OF MEETING DAY. THOSE
WITHOUT RESERVATIONS WILL BE SEATED LAST.

KEN CRANDALL TO ADDRESS SOCIETY

Mr. Kenneth H. Crandall, President of the A.A.P.G., will be the speaker at the next meeting of the Mississippi Geological Society to be held Monday, October 6, 1969, at the Kings Inn in Maywood Mart Shopping Center, Highway 55 North at Northside Drive. Social hour begins at 5:30 p.m. with dinner following at 6:30 p.m.

We are fortunate to have Ken Crandall as our guest. He is one of the old pros of the oil industry, and is one of the leading spokesmen for exploration and explorationists. His talk will touch on some of the problems facing petroleum geologists, and he will also have some comments on the A.A.P.G.



K. H. CRANDALL

Mr. Crandall was graduated from Stanford University in 1924. After a short stint with the Department of the Interior (as an engineer!) he began an illustrious career with Standard Oil Company of California.

Early in his career he mapped large areas of the Rockies on horseback—then the available mode of transportation. As transportation technology advanced, so did the career of Mr. Crandall. He moved south to New Orleans, and in 1945 assumed the presidency of the Socal subsidiary in this area, The California Company. Through the years he was closely associated with the discovery of a number of major fields, such as Cranfield, Brookhaven and Lake St. John.

In 1949, Mr. Crandall moved to San Francisco, becoming a vice president of Standard of California in 1950. In this capacity he was in charge of the corporate exploratory activities. In 1962 he was named a director of Socal. In 1969 he retired, only to step into the 1969-1970 presidency of the A.A.P.G. Despite the heavy administrative load he carried for Socal and now carries for A.A.P.G., Mr. Crandall practices continuing education. His geological knowledge is world-wide and up-to-date. Try him.

MISSISSIPPI GEOLOGICAL SOCIETY

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James F. McMullin	Statistics	Chevron Oil Co.
Armando Ricci	Natchez News	G. W. Gulmon
Mrs. Benton Vernon	Women's News	

personal news-

by Dean Kebert

A merger of two oil interests within the Mississippi Geological Society occurred on September 6 when the Lincoln Warrens' daughter, Julie, and the Robert Jacobs' son, Michael, were married.

Pan American is moving its office to the 236 Building on Capitol Street.

John Paxton has joined Skelly Oil as a geologist in their exploration department here in Jackson.

From Natchez, we hear that Bob Shmeig has left Hughes and New and joined Kelley & Byrne.

Roy Worrell was recently promoted to District Exploration Geologist for Gulf Oil, replacing Earl Hale. Earl accepted the Chief Geologist position with Cabinda Gulf Oil Company which operates in Portuguese West Africa.

Dean Kebert has accepted the position of Mississippi - Alabama District Geologist with Southwest Gas Producing Company and will be in their Jackson office.

Many new geologists have been arriving in Jackson in the past few months and we would like to welcome the following:

Lowell Ellis (Gulf Oil) from Lafayette, Louisiana.

Volker Grasso (Cities Service) from Bartlesville, Oklahoma.

Bill Kehoe (Humble Oil) from Hattiesburg, Mississippi.

Jim Stilwell (Phillips) from Houston, Texas.

We bid fond farewells to:

George Burchfield (Gulf Oil) transferred to Columbia, Mississippi.

N. P. (Burt) Leiker (Cities Service), who is going but not sailing (would you like to own a sailboat) to Denver, Colorado.

If you have any company changes that should be noted in this column, call Dean Kebert at 352-5051.

review-

by Phil Katich

MISSISSIPPI GEOLOGICAL MAP MISSISSIPPI GEOLOGICAL CROSS SECTION

The Mississippi Geological Survey announces the publication of a new geologic map of Mississippi. The previous geologic map of Mississippi was published in 1945 by the Mississippi Geological Society.

The new map is in color at a scale of 1 to 500,000. Modern coloring methods have added tremendously to the appearance and readability of the map. The colors are more intense and more contrasting than the standard U.S.G.S. colors of the old map. Many minor revisions of the outcrop patterns are also noted on the new map which are the result of recent field work by Mississippi Survey and Mississippi State University geologists. In order to give the map a less cluttered appearance, the Survey omitted minor drainages, some small towns and roads from the map. Many of us would have preferred that the Survey retained all the drainages from the old map and added roads and other landmarks so that we could orient ourselves better in the field.

Overall the new map represents a valuable contribution to Gulf Coast Geology. I would strongly recommend its purchase.

The Survey also announces the publication of a geologic cross section extending from the Mississippi-Tennessee State line to Horn Island in the Gulf of Mexico. The line of section shows the relationship of many Mississippi oil and gas fields to structure and stratigraphy. Mr. C. H. Williams has gathered a wealth of data for constructing this cross section; much of his subsurface geology is based on conventional well logs and geophysical data. Those of us familiar with some of the details along the line of section realize that much painstaking care was used in making the cross section. Mr. Williams should be commended highly for a job well done.

Dimensions of the cross section are eight feet by two feet.

The geologic map and cross section may be obtained from:

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

Geologic Map-\$4.00 + 50¢ postage-Cross Section-\$6.00 + 50¢ postage

from the editors-

And so it begins: A new MGS administration and a new format for The News Bulletin. We invite your comments. Further, we solicit contributions in the form of short papers, maps, or sections. We now have the facilities to print virtually anything reproducible. We do not presume to compete with the formal technical publications, but to those of you who wish to express ideas and opinions which are relevant to our Society or our profession, The News Bulletin can provide a quick and easy sounding board.

Three regular features are unique to the News Bulletin: **Progress** by J. F. McMullin, **Consultant's Corner**, by Pro and Con, and **Review**. **Progress** features a monthly production plot for Mississippi along with a comparison of production and discovery count with the same time the previous year, and a list of New Field discoveries for the previous month. It's the geologist's job to keep that slope positive! **Consultant's Corner** is a scrimmage line for controversial subjects and a forum for current events in geology. **Pro** and **Con** are anonymous members of the Society, and they are prepared to answer your letters. **Review** features a critical review of some form of geological literature pertinent to Mississippi. **Phil Katich** authored the column for this issue. We need volunteers for subsequent months.

Those familiar with the NOGS Log the News publication of the New Orleans Geological Society, will recognize that The News Bulletin format is similar. We commend the NOGS Log staff for what we feel is the best house organ of the GCAGS and add that "imitation is the sincerest form of flattery."

"LET'S IMPROVE OUR WILCOX SUCCESS RATIO!"

Verne L. Culbertson, Consulting Geologist
Jackson, Mississippi

Abstract

For the past three years exploratory success in the Eocene Wilcox formation of southwestern Mississippi has averaged 6.7%, far below the success of 1951-53 when an 11% success ratio was achieved with less than one-third of the wildcat wells now available for control.

It is apparent that success has not been commensurate with the additional well information. If we are to reverse this trend, the geologist must improve sampling and testing procedures in the field and more effectively utilize well data in the office and laboratory.

Serious errors in elevations and well locations, deviated hole problems, inadequate sampling of wildcat wells, and incomplete evaluation of oil shows have all contributed to an excessive number of dry holes.

The present success ratio can be improved by greater use of isopachs to supplement structural contouring, better understanding of the relationship of oil to regional subsidence and re-migration, and more careful evaluation of core analyses to differentiate between live oil and residual oil.

Geologists must strive for greater accuracy in all phases of subsurface mapping and insist on more complete and factual field data. The challenging problems of Wilcox exploration will demand total commitment of his professional skills.

prelude-

by Kevin Cahill

Only since taking office in June have I really realized the amount of work involved in trying to be prepared for a new



Mississippi Geological Society year. Fortunately I am surrounded by a willing and capable group of elected officers. I am also extremely proud of a select group of Committee Chairman who were most responsive to my request that they serve the Society this year.

Any organization such as ours must have some goals or we will wander aimlessly and accomplish little. As President this year I have set a number of goals that we intend to

accomplish. Perhaps by bringing them to your attention now you can help us attain them. Listed below are these goals not in any particular order of importance:

1. Publish the Wilcox Book
2. Publish at least one supplement to the Wilcox Book
3. Publish three sets of supplements to the Red Book
4. Attain at least 400 paid members
5. An outstanding news bulletin
6. An outstanding program of speakers
7. Average 90 to 100 members present at each meeting
8. Five papers of local origin given at the GCAGS in 1970
9. Every Geologist a member of the AAPG
10. A successful dance and golf tournament

We will publish the Wilcox Book this year. As of mid-July the maps were given to Al Page for drafting. The binders for the first printing have been ordered and will be available approximately October 1. We can figure on having the books available for distribution 30 days after Al has the maps to the printer. I cannot say enough about the tremendous job Charlie Williams, our 1st Vice-President, has done this summer getting the maps to Al Page. Charlie was responsible for our publications last year when he was 2nd Vice-President and volunteered to see the Wilcox Book through this



CHARLIE WILLIAMS

IT'S WHAT YOU LEARN AFTER YOU KNOW IT ALL THAT COUNTS

year. He is highly commended for the fact we can now see the end of this worthy project. Also we must not forget Ed Minihan, our



past-President, who with Charlie went through and was responsible for the painful and thankless task of getting volunteer help from the membership to contour the rough drafts of each map.

Our publications this year come under the jurisdiction of our 2nd Vice-President, John Lancaster. John has undertaken the task of performing a complete inventory on our publications and putting out a new publications list. This is a task that is years overdue. He has

JOHN LANCASTER

also formed a subcommittee to work on the publication of three sets of supplements to the Red Book and the first supplement to the Wilcox Book to be put out next spring. Recognizing the importance of publications in our Society, we are receptive to suggestions for new projects and the volunteer help that should go with it.

Our Society is capable of attaining well over 400 paying members. We currently have just over 300 members. To conduct our membership drive this year, I have set up a special Membership and Advertising Committee headed by our Secretary Marshall Kern.



MARSHALL KERN

There are numerous areas we have not exploited to attain new members, and Marshall plans on doing this. However, the most obvious and best way to increase our membership is by you the members soliciting new members. One man who has proved the soundness of this method is Buck Gulmon, our Natchez representative. Over the past year he has brought in numerous new members on his own initiative. We owe him a great deal for the work



NED PHILLIPS

he has done for the Society. Ned Phillips, our Treasurer, has

(continued next page)

(continued)

already done his part to reaffirm our membership list this year. Those recent dues statements you received were a result of his work.

I am proud to say we are already well on the way to accomplishing one goal this year, an outstanding news bulletin. The man responsible for this is Bob Beu our Publicity Chairman, and his excellent staff. Both Bob and I solicit your letters to the editor, complimentary or otherwise, as well as any other worthy literary contribution from any of our members. At the end of the current Society year, the best letter to the editor will be selected. We will then award \$25 to the Geology library of the winners choice. This perhaps isn't much of an incentive to hear from you, but it's the best we can do! I personally wish to thank all those firms and individuals who received our advertising campaign courteously and made our news bulletin possible. Their names appear in this bulletin. Support them; they are "good people."

To attain our goal of 90 to 100 members at each meeting this year we must have an outstanding program of speakers coupled with a hard-working Entertainment Chairman. Our Program Chairman this year is M. F. Kirby. Kirby has solicited the able help of Bob Beu and Chevron Oil Company in obtaining as one of our October speakers Mr. Kenneth Crandall, President of the AAPG. Later in October we will hear the papers to be presented to the GCAGS by two of our members, Verne Culbertson and Dan Herlihy. Unfortunately, these are the only two papers we could squeeze out of our membership, but they are good ones, so let's support them by a big attendance. Kirby has unintentionally, or otherwise, put our programs this year on a competitive basis between the major companies and independents. He has asked key individuals, both independents and major company personnel, to be responsible for the program on one meeting. The torrid pace set by Chevron is going to be difficult to top, but the votes aren't all in yet. The hard-working Entertainment Chairman I mentioned above is Clem Dazet. He has been a great deal of help to me this summer in lining up the King's Inn for our meeting place and in arranging for our September meetings.

Our GCAGS representative this year is Joe Morgan. We both urge as many members as possible to attend the meeting this year in Miami. I only regret that our Society will not have a number of papers to present at this meeting. I have set a goal of five papers of local origin to be given at the GCAGS meeting next year. I will be talking of this project again as the year progresses.

Another important goal this year is to have every Geologist member of our local Society as a member of the AAPG. Our AAPG representatives are Bill Lynch and Lincoln Warren. In addition, I have appointed Bill as the Chairman of our AAPG Standing Committee. You will be hearing more from him and myself as the year progresses on this important goal.

Our dance next spring will be handled by Lincoln Warren and the golf tournament by Ed Launius. It is a great comfort to a president to have individuals like these behind a given project. These functions can't miss being a success.

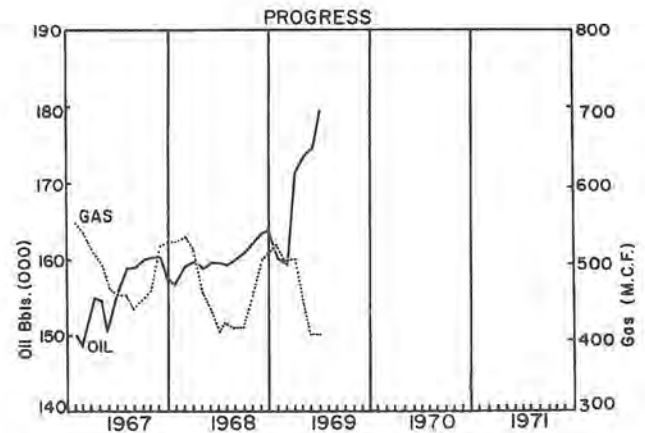
Our Nomenclature Committee Chairman this year is Tom Jones with Cities Service. He has done an outstanding job so far with this committee. Also, our monthly meetings cannot function properly without an able chairman of the Projection Committee. I believe we have such a chairman in Buddy Twiner with Skelly.

Our Field Trip Committee Chairman is Rex Hewitt. I have some ideas this year for giving this chairman something to do for a change. We will discuss this at our meeting.

Numerous people I have not mentioned have worked this summer and will continue to work this year on various sub-committees under the Committee Chairmen. They are all off to an excellent start, and I can't help but be enthusiastic about our forthcoming year!

progress-

by Jim McMullen



Daily Production	June, 1969	179,171 Bbls.	Oil
		403,246 M.C.F.	Gas
	June, 1968	159,422 Bbls.	Oil
		413,474 M.C.F.	Gas

Box Score Discoveries	January - June, 1969				
Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
	7	0	1	0	4
					0

Box Score Discoveries	January - June, 1968				
Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
	5	0	0	3	0

New Field Discoveries August, 1969	
Flat Lake completed 8-16-69	Biglane # 2 Board of Supervisors sec. Acc. 7N - 3W Adams Co, Production: 5438 1/2 - 40 (Armstrong sd.) F/ 72 BOPD 6/64" ch; TP 480 # Grav. 45°
Jonathan completed 8-15-69	Shell Oil Co. No. 1 Langford Sec. 4-4N-6W Green Co. While drilling at 20456 recovered large amount H ₂ S gas on 4" ch, TP1400No. (10% metflane, 5% Ethane, 50% H ₂ S) Well was later junked and abd.

women's news-

by Nancy Vernon

MRS. CUMMINGS ENTERTAINS WOMEN'S GEOLOGICAL AUXILIARY

The beautifully decorated home of Mr. and Mrs. James L. Cummings on North Honeysuckle Lane was the setting of the annual Fall Coffee for the wives of members of the Mississippi Geological Society, the A.I.M.E. and the Jackson Geophysical Society. Active and prospective members were greeted at the door by Mrs. Cummings and the club President, Mrs. Harold D. Baker. In the formal dining room was a lovely Fall flower and fruit arrangement surrounded by delicious sandwiches and mints served along with coffee and tea by the other hostesses; Mrs. Robert Beu, Mrs. W. Fleming Browning, Mrs. M. F. Kirby, Mrs. J. S. Porter, and Mrs. Roy A. Worrell.

Past presidents of the club Mrs. Wilbur Knight, Mrs. Dudley Hughes, Mrs. Robert Beu and Mrs. Robert Womack, Jr. assisted at the affair also.

The W.G.A. officers chosen for the coming year are President Mrs. Harold D. Baker, 1st Vice President Mrs. Kevin Cahill, 2nd Vice President Mrs. Charles Champlin, Secretary Mrs. Richard Bowman, Treasurer Mrs. John Myers, Corresponding Secretary Mrs. Roy Tipton and Reporter Mrs. Benton Vernon.

W. G. A. PLANS OCTOBER 9 EVENT

The Women's Geological Auxiliary is planning an informal covered dish luncheon for Thursday, October 9, at 11:30 a.m., at the Riverside Park Clubhouse. Hostesses are Mrs. Jerry Yoste and Mrs. Ed Minihan. All members are urged to attend this popular event of the season.

consultant's corner

by Pro and Con

The winds of politics and science have swept us out of this issue. Look for our witticisms next month.



NEW GEOLOGY GRADUATE PROGRAM AT U.S.M.

The University of Southern Mississippi at Hattiesburg has announced the initiation of a graduate program of offering courses which may be taken for credit leading to a Master's degree in Geology or Science Education.

A series of three courses will be offered initially, one for each quarter for students wishing to begin their degree programs, or for special students wishing to extend their geological training, on Monday evenings throughout the academic year.

Dr. Richard Bowen, Chairman, Department of Geology, will welcome inquiries on this program from all interested persons.



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MISSISSIPPI GEOLOGICAL SOCIETY
P. O. Box 422
Jackson, Mississippi 39205

NEWS

BULLETIN

mississippi geological society

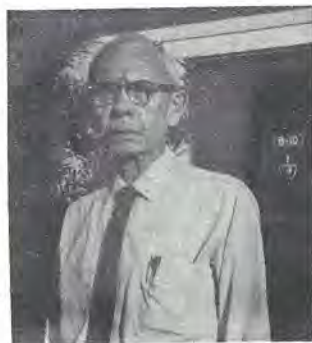


Vol. XVII, No. 3, November, 1969

DR. KOLB NOV. 4 SPEAKER

NEWS OF OUR HONORARY MEMBERS

By Ed Minihan



ss.
ss. dome

Deepest sample examined: 14900-14905'
IN LOWER GLEN ROSE, Prob.
PINE ISLAND
26-July-61

The California Company
#1 Magnolia Textiles, Inc.
Copiah Co., Miss.
Sec. 9-9N-7E

Elmer Michael Rice, ex-boss of Trowbridge Sample Service is a Texan by adoption. He graduated from Albuquerque, New Mexico High School. Mr. Rice attended New Mexico School of Mines and Texas Christian University.

From March 1924 to March 1944 he was employed by the Pure Oil Company as a paleontologist and stratigrapher. Eight of those years were in Van, Texas as development geologist for the Van Joint Account, and seven years as District Geologist in Tyler, Texas. In 1944 Mr. Rice went to work for Trowbridge Sample Service in Tyler, then on to Shreveport, and finally 23 years in Jackson.

He helped organize, and was the first President of the East Texas Geological Society.

Elmer is married to the former Audrey Mathis. They were married in 1923 and had one daughter, Mrs. Jack Berchum, who lives in Corpus Christi.

In November 1967, Mr. Rice had a massive coronary and had to retire. Audrey says he does not like retirement but his heart has shown great improvement. They are presently living in Paul's Valley, Oklahoma.

Few people know how much Elmer contributed to many papers (without credit because of his modesty) or how many students he helped with their theses.

A rather famous story told on Elmer is as follows: Two farmers had watched him check samples each day for weeks on a well in East Texas. Finally one asked what his company paid him for what he was doing. Elmer replied, "Fifty dollars for the work and three hundred for keeping my mouth shut."

POPULAR SPEAKER TO RELATE EXPERIENCES

Dr. Charles R. Kolb, Chief of the Geology Branch at the Waterways Experiment Station in Vicksburg, will address the Mississippi Geological Society at its Tuesday, November 4 meeting. The meeting will be held at the Kings Inn in Maywood Mart, Highway 55 North at Northside Drive. The social hour will begin at 5:30 p. m. and dinner will follow at 6:30 p. m.

Dr. Kolb's talk will be a potpourri of his experiences and projects of the past several years. He will cover subjects ranging from Alaskan experiences to new developments in Mississippi Valley geology to the use of nuclear explosives in making a sea level Panama Canal.

Dr. Kolb is a native Mississippian, born in Vicksburg, "in the early Pleistocene." He has his PhD in Geology from Louisiana State University. He also had some schooling at George Washington, Purdue, and California (Berkeley).

Most of Dr. Kolb's professional experience has been with the Waterways Experiment Station at Vicksburg, where he has been associated with projects involving the application of geology to military and engineering problems the world over. He was appointed Chief of the Geology Branch in 1959. Dr. Kolb also spent one year in Chile doing groundwater and damsite geology, and two years in Alaska as head of the Army Research Office.

Dr. Kolb is active in a number of professional societies, including GSA, AAAS, Sigma Xi, AAPG and The AIPG. At home, he keeps busy in the Andrew Jackson Boy Scout Council, as a member of the Lions Club, and as a Vicksburg Little Theatre actor on The Showboat Sprague in "Gold in the Hills."



CHARLES R. KOLB

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

- NOV. 4 Kolb Talk — King's Inn
Social Hour 5:30 P.M., Dinner 6:30 P.M.
- NOV. 18 W.G.A. - Black Gold Party
Barn Dinner Theater — 6:30 P.M.

FOR RESERVATIONS TO MGS MEETINGS, CALL CLEM DAZET, 352-8589, BY NOON OF MEETING DAY, THOSE WITHOUT RESERVATIONS WILL BE SEATED LAST.

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PUBLISHED IN JACKSON, MISSISSIPPI

from the editors-

In our opinion, man for man, no inter-company group serves the industry better than the Mississippi Oil Scouts Association. These eight fellows cover weekly drilling and leasing activity of 72 counties in three states, hustle logs, compile statistics, and promote good will. Almost all are members and supporters of the Mississippi Geological Society.

A friend of ours from Houston was in town a few weeks ago. He was most distressed over the lack of Jurassic logs available through commercial log companies. "Tight" holes and Clandestine log trades stifle competition and in the long run the only people that benefit are reproduction companies," says he. Now we agreed that cooperative exchange of information benefits everyone, but we were quick to point out that a company or individual has the right to do with its property as it wishes. Further, commercial log companies, such as Ridgway's, provide excellent service, but they can't dispense what they don't have.

At any rate we advised putting a scout in the Jackson scout check. Later, we asked Jim McMullen to do a little research to confirm the validity of the advice. His findings are summarized as follows:

Since Bay Springs kicked off the Mississippi Jurassic "boom" in January, 1965, well information has not been readily available through Ridgway's. Of 350 odd wildcats and field wells drilled from 1-1-65 to 9-31-69 about 160, or 46% are at Ridgway's, and many of these are delayed releases of 6 months or more. For instance, 60 wells were drilled in Clarke County from 1-1-69 to 10-1-69, and only 10 logs or 17% are at Ridgway's. Yet, super tight logs are a rarity because there is a cooperative information exchange by scouts and individuals associated with companies large and small.

Jim McMullen endorses our advice because Jackson scout check can use more manpower. Any company that has serious aspirations to play the Mississippi Jurassic would do well to take advantage of this situation. Additional scouts would be most welcome and their companys would be amply compensated with more and more timely information.

NEW SPONSORS WELCOMED

We are happy to introduce two new sponsors: Champlin Oil, of Shreveport and Seismograph Service Corp. of Jackson. Look for their cards, along with the 58 charter sponsors whom we welcomed in our last issue. As President Cahill indicated at that time, these folks have made possible the publication of this bulletin

enthusiasm-

by Kevin E. Cahill

*Nothing great was ever achieved
without enthusiasm.*

-Emerson

Enthusiasm is something that perhaps has been lacking in the membership of our local Society. As President, however, it was gratifying to see the welcome given to Mr. K. H. Crandall on October 6. It was apparent that the status of our profession will be somewhat enhanced by his term of office. His presence was an appropriate beginning to accomplish one of our main goals this year of having every qualified geologist in this area a member of the AAPG.

There were numerous signs at our meeting on October 6 that enthusiasm among our members is indeed on the increase. For example:

1. Enthusiasm is M. F. Kirby along with Chevron Oil Company obtaining Mr. Crandall for our meeting.
2. Enthusiasm is Mr. Crandall receiving a standing ovation.
3. Enthusiasm is 80 members present at our meeting.
4. Enthusiasm is SSC sponsoring our social hour.
5. Enthusiasm is the great deal of work that went into this meeting by my fellow officers and committee members.
6. Enthusiasm is local members approaching me after the meeting and offering their services to help on some committee.
7. Enthusiasm is members inquiring after the meeting as to how they can get back into the AAPG.

For those of you already members of the AAPG you will in the near future receive a ballot to elect two Society Delegates and two Alternates. These people will take office next July 1 in the newly formed House of Delegates. Before you vote, consider the candidates carefully and realize the importance of this office. The people we elect must work toward the betterment of our profession and upgrade it in the eyes of the public and our fellow cohorts in the oil industry.

After the response received from the membership at our October 6 meeting, I have written to the AAPG to inform them we would like to sponsor one of their Continuing Education Programs. Hopefully, I would like to obtain Mr. J. M. Andrichuk as a lecturer on "Application of Sedimentary Principles for Delineation of Drilling Prospects in Reef Carbonates." The lecturer's fee for this 12 hour course is \$600.00 plus \$1.00 per person attending the lecture series. We must also pay the lecturer's travel and out-of-pocket expenses. I think a reasonable estimate of the cost per participant would be \$15.00 to \$20.00 for the entire course. I intend to ask someone to take on the task of coordinating the program with the AAPG, arranging a meeting place and soliciting your attendance. You will be hearing more about this as the arrangements are solidified.

As I mentioned at our October 6 meeting, to create the additional enthusiasm needed in our Society we must increase our membership and attendance at all meetings. At our next meeting why not bring someone with you who is a potential member. Or better still bring one of our members who hasn't been to a meeting in some time. There are a few around who apparently hesitate to back their local Society, but we will forgive them if they will rejoin us. Perhaps they too will inject new enthusiasm into our Society.

Only by your enthusiastic support of our Society can we hopefully attain a successful year. We are off to a good start, but we have a long way to go. Let's help each other get there.

HONARARY MEMBERS TO BE FEATURED

Past President Ed Minihan is researching current activities of all the Society's eleven honorary members and will report to the membership via the Bulletin. This month's honoree is Elmer Rice reported on page 1.

personal news-

by Dean Kebert

Bill von Almen, a paleontologist with Chevron Oil, is a recent transferee to Jackson from La Habra, California. Bill is a graduate of the University of Oklahoma and has worked in Texas and Oklahoma, in addition to his experience with the Standard of California research group in La Habra.

In Natchez, John Kyzar, Jr., has left Callon Petroleum and joined the staff of Hughes and New.

review-

by Marvin Oxley

DELTA SYSTEMS IN THE EXPLORATION FOR OIL AND GAS

The Bureau of Economic Geology at the University of Texas, Austin, Texas, has prepared a publication entitled "Delta Systems in the Exploration for Oil and Gas." The book served as a text for a research colloquium presented at Austin on August 27 - 29, 1969, which was headed by Dr. W. L. Fisher. Mississippi geologists will remember Dr. Fisher as the author of two excellent papers on the Wilcox of Texas which were published in recent GCAGS Symposiums.

"Delta Systems" is based primarily on the Bureau's study of the Tertiary of the Gulf Coast Basin and Paleozoic of the North Texas Eastern Shelf and the concepts described are easily applicable to our Mississippi area. Over 160 illustrations compliment the subject matter which includes such major topics as, Introduction to delta systems and deltaic deposition, Gulf Coast Basin Tertiary delta systems and Delta systems and oil and gas occurrence. At \$5.00 per copy this publication will provide a valuable addition to any geological library.

GEOPHYSICAL SOCIETY MEETING NOV. 18

Dr. F. A. Van Melle, the S.E.G. Distinguished Lecturer for the fall, 1969 tour, will address the Jackson Geophysical Society Tuesday night, November 18th. The title of his lecture will be "Reflections on Seismology."

The meeting will be held at the King's Inn in Maywood Mart. The social hour begins at 5:30 and the meal at 6:30. For reservations contact John McComas, 366-1645.

women's news-

by Nancy Vernon

WOMEN'S GEOLOGICAL AUXILIARY MEETS

The Women's Geological Auxiliary of Jackson had their annual covered dish luncheon at Riverside Park Clubhouse. Co-hostesses for the event were Mrs. Jerry Yoste and Mrs. Ed Minihan.

Members, prospective members and their guests enjoyed a delicious variety of foods. From these recipes from the guests a cookbook will be compiled and distributed to members later in the year.

A program was presented after lunch on deconpage and the restoration of old furniture and other pieces.

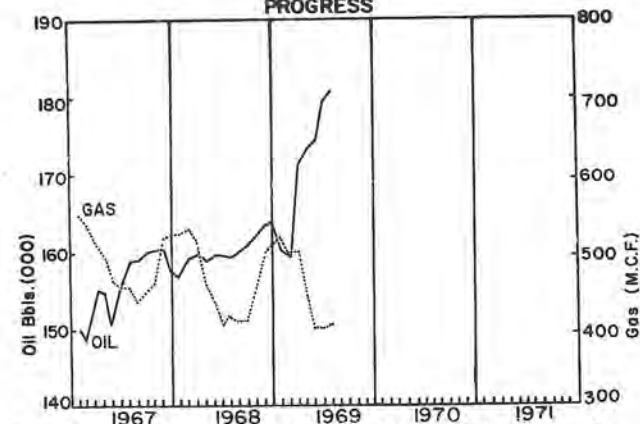
BASH AT THE BARN IN NOVEMBER

On Tuesday evening, November 18 at 6:30 P.M., the W.G.A. and Black Gold Club will join for a husband and wife party at the Barn Dinner Theater at the Reservoir. Dinner will be followed by the Barn's performance of "The Fantasticks." Mrs. Richard Bowman is chairman for the W.G.A. and Mrs. James H. Stewart is chairman for Black Gold.

progress-

by Jim McMullen

PROGRESS



Daily Production	July, 1969	181,540	Bbbs.	Oil
		404,734 <th>M.C.F.</th> <th>Gas</th>	M.C.F.	Gas
	July, 1968	159,229 <th>Bbbs.</th> <th>Oil</th>	Bbbs.	Oil
		419,084 <th>M.C.F.</th> <th>Gas</th>	M.C.F.	Gas

Box Score Discoveries January - July, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
7	0	2	0	6	0

Box Score Discoveries January - July, 1968

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
6	0	0	0	3	0

New Field Discoveries September, 1969

Paulding - Chesley Pruet - Hughes -
9/14/69 LL&E No. 13-1 Read sec 13-2N-12E.
Jasper Co.

IP/F (14624-28) Smackover
434 BOPD + .4% BSW
24/64" Ck.; TP 200 lbs.
Grav 32^o

Un-named - Bob Foley & Fletcher #1 Armstrong Longmire
Sec. 2 - 5N - 2W Adam Co.
IP/P (6368 - 74) Wilcox
100.8 BOPD
TP 190 lbs.
GOR 100:1
Grav 35^o

AAPG HOUSE OF DELEGATES ELECTION

In November, AAPG members of the Society will receive ballots for the election of one delegate and one alternate delegate for each a 1 year term and a 2 year term to represent Mississippi AAPG in the international AAPG organization. Incumbent District Representatives W.D. Lynch and Lincoln Warren will serve through the July, 1970, AAPG Meeting in Calgary.

Nominating committee Marvin Oxley, Chairman; Don Champlin; John Myers; Joe Morgan; and Les Franz have submitted the following slate of candidates:

One year term:	Julius Ridgway	First National Bank
	Dave Harrell	Independent
	Marvin Horton	Chevron
Two year term:	Roy Worrell	Gulf
	Harold Karges	Independent
	Rudy Ewing	King Resources

Candidates in each category receiving most votes will be elected delegate, and candidate receiving second most vote will be elected alternate. Only one vote is required for each category.

consultant's corner

by Pro and Con

Dear Consultants:

I am a geologist employed by the same major company for over twenty years. For several years I was a District Geologist, but I now have a Staff position and have, in effect, been put on the shelf.

My nineteen-year-old son is a pre-med student at an Ivy League school. He came home after the spring semester and announced that he was dropping the medical course and was going to school in the fall and enroll in Geology. I could not have been more disappointed. I tried to dissuade him, but to no avail, by pointing out that Geology is a profession that has had a lackluster past, a shaky present, and no future at all. I have now told him I am unwilling to provide any further financial support and have suggested that he drop out of school for a year, actually work for an oil company, and regain his senses. After that, we can discuss the matter further.

Do you think this is a reasonable solution to the problem?

Yours truly,

Pop on The Shelf

Dear Pop:

Firstly, I must assume that your son is a scholar with aptitude in science and mathematics. If he is sharp enough to become a good doctor, then with hard work he should make a passable geologist. Secondly, you are trying to help your son make a decision about his future today in light of today's values. You cannot do this by forcing him to avoid a "mistake" that you made twenty years ago.

Now consider the following:

1. Your son does not want to be a doctor. Perhaps he doesn't put money first in career selection, which shows maturity beyond his years. At any rate, doctoring isn't his bag, and he knows it, and you'd better accept it.
2. He wants to enroll in geology, and this is a long way from being a geologist. Geology may not hold his interest either, but it is apparent that he is headed for a scientific career of some sort. Happily, much course work in all basic sciences and math is required for geology degrees these days rather than avoided as it was when you and I muddled through. If he wants to switch to astrophysics in a semester or two, his loss of credit should be minimal.
3. You both want a career for your son that has a secure future. Today's geologist with an advanced degree has job opportunity in spades. (If there is doubt, just ask the personnel people with your own company.) An exploding population, coupled with the effort of the current populace to raise standards of living, requires full development of all natural resources - a big job for the geologist. Man's awareness that the industrialization necessary for supporting a high living standard for more people is threatening his environment is leading to public demand for restoration of the despoiled and prevention of further damage - a big job for the geologist. Man's penchant for exploration of the land and seas of the earth, and now outer space, requires thorough evaluation of observed natural phenomena - a big job for the geologist. Education of the young, and of the layman, young and old, and of future professional geologists will require many educators of geology. And finally, every discipline needs pure research if it is to survive, and geology must have the dedicated geological researchers.

4. Geology is an old and proud science, and those who practice it are professionals in every sense. It has a full measure of martyrs who suffered for espousing scientific explanations of observations of natural phenomena. It has survived hundreds of years of intradiscipline controversy over everything from origin of basalt to continental drift. Petroleum geology is an upstart specialty with a large following. In a strict sense, most petroleum geologists are exploiters rather than contributors to geology, so even if a substantial percent are disgruntled for one reason or another, geology as a science or as a profession is not seriously threatened.

Now reconsider your position in this matter. Twenty years ago, the only reason most of us sought a higher education was to achieve economic success. Many studied geology as preparation for becoming wealthy oil men. Some made it and are running some big shows. Others are much better geologists than managers or business men, and are employed as geologists. 'Tis ironic that many, like yourself, consider themselves to be failures.

My advice to you, Pop, is to help your son be whatever he chooses to be. Don't make decisions for him, you are not equipped for it. Take comfort in the knowledge that the shelf you are on is in a large pantry.

CON

Dear Pop:

Yes. It is a shame, however, that your son must lose a year of his life to learn such an expensive lesson. I suggest you continue to try to persuade him to enter Medical School by pointing out the following facts:

1. The Earth Scientist's median salary is only \$12,900, which is \$300 below the median for scientists in the top paying field. (Geotimes - February, 1969)
2. Geologists have little future because the petroleum industry has no future. The status of domestic petroleum is deteriorating rapidly, and we will soon see the removal of the present import-quota system and a drastic reduction of percentage depletion. The direct result of this will be the necessity for management to diversify into non-geological areas and eliminate the geologist who will by then be most expendable. Those few geologists who will miss the ax will be "put on the shelf." Even if present import quotas are maintained, oil companies have diversified into synthetic hydrocarbons which along with atomic energy will ultimately eliminate the need for Petroleum Geologists.
3. The oil companies that hire geologists take them completely for granted. When times get hard, they are the first to be "axed" as evidenced by the great numbers turned loose in the late 1950's. When percentage depletion is reduced, the loss in company profits will probably be regained by another mass "slaughter" of geologists.
4. Geologists have no pride in their profession. A recent survey showed 46 percent of those asked said they would not be geologists again if they could do it over. (Geotimes - February, 1969) The three items above undoubtedly contribute greatly to this sentiment.

If the above reasons still do not dissuade your son from becoming a Petroleum Geologist, and he insists on entering the oil business, I recommend the following procedure: Immediately steer him toward employment as a Landman with an oil company where opportunities will be much greater than being a Geologist.

PRO



FALL BAR B-Q

One hundred seven members and guests, including ten out of towners, had a great time at Fowler Buick Lodge the evening of September 23. Activities included horse shoes, beer drinking, games of chance, beer drinking, lying, and beer drinking. Barbeque was up to the usual high standards, but the dancing girls failed to show - again.



Regressive



White Shoes



Establishment



Scotland Yard



Joe College
Circa-'49



Spectator

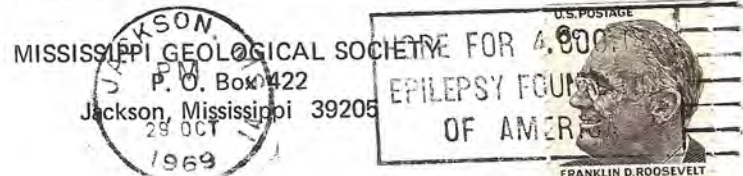
Many members spent the summer changing hair styles. We captured a few for your inspection. You should recognize Ed Kendrick, Marvin Oxley, Jerry Zoble, Dee Layman (with Bill Moore's hair), John Lancaster, and John Ryall.

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Mr. Robert D. Beu
Chevron
PO Box 822
Jackson, Miss. 39205

NEWS

BULLETIN

mississippi geological society



Vol. XVII, No. 4, December, 1969

TYRRELL ON CARBONATE ENVIRONMENTS DEC. 2

WILLIS TYRRELL HERE DEC. 2

Dr. Willis Tyrrell, Jr., Senior Staff Geologist with Pan American Petroleum Corp., New Orleans, will speak to the Society on Tuesday, December 2. The meeting will be at the King's Inn in Maywood Mart, Highway 55 North at Northside Drive. A social hour at 5:30 p.m. precedes dinner at 6:30 p.m.

Dr. Tyrrell's talk is titled, "A Comparison of West Texas Permian With Gulf Coast Jurassic Carbonate Models". He will develop basic concepts of the carbonate - evaporite environment for us from his extensive surface work with the classic Capitan Reef complex of West Texas and New Mexico. He will then make model comparisons with the Smackover-Buckner sequence of the Gulf Coast, discussing similarities and important differences.

Our guest speaker is a native of Pensacola, Florida and was graduated from high school there. He received his BS degree from Florida State University in 1952, and followed with MS and PhD degrees from Yale, the PhD being conferred in 1957. His career in petroleum geology began in 1955 with employment with Pan American at Albuquerque, New Mexico. A move to Fort Worth came in 1959 and then in 1964 he became Research Group Supervisor - Sedimentary Petrology Group in Tulsa. His present position in New Orleans was achieved in 1968.



WILLIS TYRRELL, JR.



All tradition eventually yields to progress, even the traditional Christmas fir. The all metal model shown above renews belief in Santa and brings Christmas every day of the year for at least ten years.

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

- DEC. 2 Tyrrell Talk - Kings Inn
Social Hour 5:30 P. M.; Dinner 6:30 P. M.
- DEC. 11 Auxillary Luncheon - Primos Northgate

FOR RESERVATIONS TO MGS MEETINGS, CALL CLEM DAZET, 352-8589, BY NOON OF MEETING DAY. THOSE WITHOUT RESERVATIONS WILL BE SEATED LAST.

Dr. Tyrrell's latest publication is on West Texas and is "Criteria Useful in Interpreting Environments of Unlike but Time-Equivalent Carbonate Units (Tansill-Capitan-Lamar), Capitan Reef Complex, West Texas and New Mexico." in DEPOSITIONAL ENVIRONMENTS IN CARBONATE ROCKS, A SYMPOSIUM, S.E.P.M. Special Publication No. 14, 1969.

Dr. Tyrrell's important organizational affiliations are GSA, AAPG, SEPM, NOGS and most important of all, his family of six.

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PUBLISHED IN JACKSON, MISSISSIPPI

professional pride

By Kevin E. Cahill

Pride—High or inordinate opinion of one's own dignity, importance, merit or superiority, whether as cherished in the mind or as displayed in bearing, conduct, etc.

—American College Dictionary

The October, 1969 AAPG Bulletin has an excellent article by Kenneth Crandall on the various problems that beset the oil industry in general and Geologists in particular. I recommend this article to you as an excellent resume of some serious problems that affect all of us. In my column this month I would like to focus on one aspect of his critique—Professional Pride.

As Mr. Crandall points out, there are serious problems to be overcome by the oil industry in the political arena, corporation structure, and public image. However, I think he fails to emphasize one point that is extremely important. We as Geologists are our own worst enemy. Too many of us have little or no professional pride. Let us characterize such a Geologist. He may be your best friend or he might even be you. The eight points listed below typify such an individual.

1. He down grades his profession and colleagues.
2. He is neither dedicated to his company nor his work.
3. He doesn't belong to the AAPG.
4. He very seldom comes to a local Geological Society meeting.
5. He would rather go to a talk on drug abuse than one on carbonates.
6. He would rather watch "The Flying Nun" on TV than go to a continuing education seminar.
7. He is more eager to attend a social event sponsored by a nonprofessional organization rather than one sponsored by the local Geological Society.
8. He is content to "slip" his logs in the back room and let someone else make the decisions. By doing this he keeps from getting fired.

Now I realize that if anyone possesses all of these eight traits, he is hopelessly lost. However, too many of us fit into too many of these eight points. Why? We lack professional pride. Why do we lack professional pride? Mr. Crandall offers some readily acceptable reasons:

1. Many company organizations are antiquated.
2. Companies fail to motivate, inspire and recognize Geologists.
3. Companies are prone to "let go" Geologists in hard times.
4. Geologists have a poor public image.

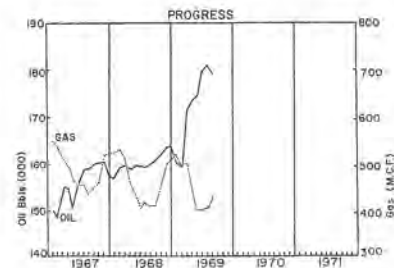
To these I might add one other that Mr. Crandall only hints at in his article— money. Every survey ever conducted shows that Geologists as a group are underpaid compared to most other sciences. Why? We as a group lack the professional pride necessary before we can demand something be done about it. An "M. D." or "L. L. D." after your name demands professional pride, respect and money. Unfortunately, CPG means nothing to most people. What can we do about it?

I reiterate what I said earlier. We are our own worst enemy. For a starter, go back over the eight points characterizing the Geologist with no professional pride. Only when we can say that the majority of Geologists do not fit into any of these eight points will we be making significant progress. When that day arrives, the mental picture of the Geologist as "some antique character in puttees and a funny-looking hat walking around tapping on rocks" will no longer exist. The days of the Geologist as a super-educated clerk, ho-hum scientist and queer-thinking individual in the back room will be over.

The AAPG, local Geological Society, and you the individual are our only hope. Unless we do something we are members of a dying profession. Napoleon once said "Death is nothing, but to live defeated is to die every day." Think about this; it's food for thought.

progress -

by Jim McMullen



Daily Production	August, 1969	178,603	Bbls.	Oil
		439,494 <th>M.C.F.</th> <th>Gas</th>	M.C.F.	Gas
	August, 1968	160,517	Bbls.	Oil
		416,403	M.C.F.	Gas

Box Score Discoveries January - August, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
8	0	2	0	7	0

Box Score Discoveries January - August, 1968

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
8	0	0	0	4	0

New Field Discoveries October, 1969

East Commencement
10/22/69
Fletcher #1 Armstrong - Oakland
Sec. 27 - 5N - 2W Adams Co.
IP/F (6491 - 96) Armstrong Sd.
206 BOPD no. wtr
11/64" ch TP 250 psi
GOR 200 oil, Grav 38°
Shell Oil Co. #1 McNair
Sec. 13 - 4N - 4W Hinds Co.
IP/F (13304 - 357) Sligo
5.1 MM CFGPD +
14 BWPD
15/64" ch; TP 3784 psi

Washout Bayou -
10/17/69
Lee-Gunn 2 Breaux 9-14
9 - 4N - 4W Adams
IP/F (6700 - 05) Wilcox sd.
72 BOPD + 72 MCFGPD
7.25/64" ch TP 250 psi
Grav. 40°

JACKSON AREA FIELD TRIPS

Bill Moore of the Mississippi Geological Survey has provided the Bulletin with road logs for two short geological field trips in Hinds and Southern Madison counties. Here is your opportunity to become more familiar with surface geology in and around Jackson, and then to show your family, your friends, your scout troop, or maybe even your boss some classic exposures right at your doorstep.

ROAD LOG TO VICKSBURG – FOREST HILL OUTCROPS IN SOUTHERN MADISON COUNTY

Mileage	Description
0.0	0.0 Mississippi Geological Survey parking lot turn left (north) on West Street.
1.8	1.8 Stoplight. Northside Drive. West Street becomes Hanging Moss Road. Continue north.
1.1	2.9 Flood plain of Hanging Moss Creek, alluvium 25 to 35 feet thick.
1.0	3.9 4-way stop. Beasley Road, continue north.
1.1	5.0 Stop. Dead end. County Line Road. Turn left (west).
1.4	6.4 Crossroad, Livingston Road extension, turn right (north) enter Madison County. For the next 1.6 miles road bed on Yazoo clay overlain by 5 to 10 feet of Loess.
1.6	8.0 Road intersection, Forest Hill formation in road cuts. Continue north.
1.7	9.7 Road forks, take left.
0.8	10.5 Stop one. Vicksburg limestone in road cuts.
0.1	10.6 Typical chocolate brown residuum formed by weathering of Vicksburg strata.
0.1	10.7 Approximate contact of Vicksburg and Forest Hill in road cut to right.
0.8	11.5 Road to right, turn around and retrace route 2.3 miles.
2.3	13.8 Turn right at old grocery store.
0.8	14.6 Road to right, continue straight ahead.
0.2	14.8 Ledge of Vicksburg limestone in road bed.
0.3	15.1 Stop Two. Rocky Hill Church. Vicksburg caps hill.
0.1	15.2 Mint Spring in road cut.
0.5	15.7 Forest Hill formation.
0.5	16.2 Forest Hill on both sides of road.
0.4	16.6 Terrace sands.
1.1	17.7 Stop Three. Sand pit on right. Terrace sand overlying upper Yazoo clay, lime ledges and selenite crystals can be found in the Yazoo.
0.6	18.3 Railroad tracks. Greens Crossing turn left (south). Road traverses Yazoo clay.
2.1	20.4 Stop Four. Entrance to Jackson Ready Mix Miss-lite aggregate plant. Expanded Yazoo clay. Fossils and selenite crystals may be collected from clay pit. Permission to collect must be obtained.
0.7	21.1 County Line Road, turn left (south)
4.5	25.6 Hanging Moss Road, turn right (east).
5.0	31.6 Mississippi Geological Survey.

ROAD LOG TO TYPE LOCALITY OF THE BYRAM MARL

0.0	0.0 Mississippi Geological Survey parking lot. Turn right (south) on West Street.
0.3	0.3 Stop Light. Woodrow Wilson Avenue. Turn left (east).
0.6	0.9 Intersection North State Street. Turn right (south), Millsaps College campus on right.
3.0	3.9 Cross Town Creek. Moody's Branch marl exposed in bed of creek.
5.9	9.8 Elton Road Interchange. Upper Yazoo clay exposed in southeast quadrant of interchange.
0.2	10.0 Forest Hill formation exposed in roadcut of west Frontage road.
1.5	11.5 Vicksburg limestone in wall of creek on the left (east) side of highway.
1.1	12.6 Bucatunna clay exposed near base of hill in pasture on right.
0.5	13.1 Byram Interchange, turn right.
0.1	13.2 Stop. Turn right on old Byram Road.
0.9	14.1 Old Byram, turn right, continue east across railroad track.
0.2	14.3 Stop Five. Swinging Bridge across Pearl River. Type locality of Byram marl. Marl exposed in west bank of Pearl River. Several ledges in the Byram are exposed in the river at low water with the top of the Glendon limestone just below low water. A core hole drilled by the Survey gives a good description of the section at Byram.

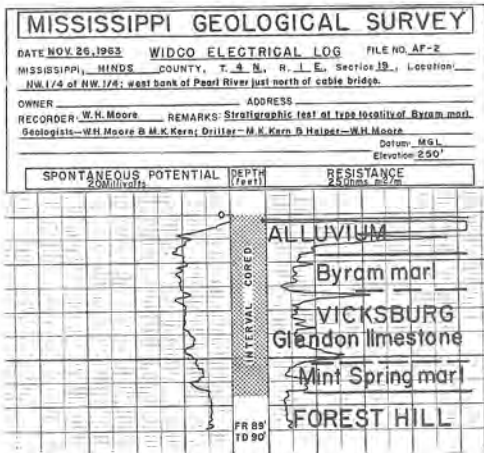
SECTION FROM CORE HOLE LOCATED 25 FEET FROM WEST BANK OF PEARL RIVER

Thickness	Depth	Description
17	17	Alluvium Sand, white, fine-grained; clay, tan, silty.
13	30	Vicksburg Group (Byram marl) Marl, gray, glauconitic, fossiliferous, clayey, iron stained in part, very slightly sandy in lower part.
1	31	Vicksburg Group (Glendon Limestone) Limestone, gray, fossiliferous, glauconitic, soft.
2	33	Marl, gray, glauconitic, clayey, fossiliferous.
3	36	Limestone, glauconitic, argillaceous, fairly hard.
12	48	Marl, gray, glauconitic, fossiliferous, argillaceous, soft limestone.





BYRAM TYPE LOCATION ALONG THE PEARL RIVER SHOWING SWINGING BRIDGE



E-LOG OF CORE HOLE DRILLED AT BYRAM TYPE LOCALITY

AAPG CONTINUING EDUCATION PROGRAM

The AAPG Continuing Education Program offers to Petroleum Geologists a series of concentrated short courses covering recent developments in concepts and current techniques of petroleum exploration geology. Each of these courses is taught in the local community by an expert in the particular course that is being given. They consist of 12 hours of instruction to be broken up as the local Geological Society prefers. The local Geological Society must pay \$600.00 plus \$1.00 per person attending the session. We must also pay the lecturer's travel and out-of-pocket expenses.

The Board of Directors has selected two of these courses for your consideration. A postcard is attached to this month's bulletin requesting you to fill it in and return to us. We would like to have you designate which course you prefer and whether you would attend the other should it be selected.

Once we have an assurance that enough interest exists among our members, we will proceed with the arrangements. The estimated cost for the course to the Society is \$850.00. This cost must be underwritten by you the members. We will arrange to have the course given if 50 people elect to attend. This will result in an estimated cost of \$17.00 to each person.

We will plan on giving the course in 4 hour sessions for 3 consecutive evenings. The date will be established once we obtain your cooperation. Please return the cards to us as soon as possible.

women's news-

by Nancy Vernon

WOMEN'S GEOLOGICAL AUXILIARY PLANS CHRISTMAS LUNCHEON

The Members of the Jackson Women's Geological Auxiliary are invited to a luncheon to be held on Thursday, December 11th at Primos Northgate. Sherry will be served preceding lunch and a delightful program will be presented. Chairman for the luncheon is Mrs. Ben Edwards. Co-Chairman working with Mrs. Edwards is Mrs. Mort Phillips. Members will be contacted for their reservations.

personal news-

by Dean Kebert

Dave Cate has joined Skelly's Exploration Office. Dave, a graduate of the University of Arkansas, comes from 3 years service with Skelly in Oklahoma City.

Andy Rogers, a senior member of our profession, has returned to Mississippi as a member of Skelly Oil Company's beefed up Exploration Staff. Andy has spent most of his 30 years with Skelly in its Mid-Continent Area and recently has been in the Fort Smith Arkansas Office.

Dave Lammlein has completed his training tour with Gulf Oil and is now working as a geophysicist in Gulf's Jackson Office. Dave is a graduate of Washington University in St. Louis and did graduate studies at Columbia University in New York.

Tom Taptich is the third addition to Gulf Oil's geophysical department this month. Dave has a degree from the University of Texas and has been in Gulf's training program.

Rick Thorp has joined Gulf Oil here in Jackson as a geophysicist. Rick has been in Gulf's training program after graduating from the University of New Mexico.

1969 GCAGS CONVENTION MIAMI BEACH, FLORIDA

by Joe Morgan

The GCAGS held its 19th Annual Convention in Miami Beach, Florida, October 29 through 31. Theme of the convention was "The American Mediterranean". A number of excellent papers were presented and competition for the best paper award was so keen that to date the Award Committee has not yet selected the best paper. Best paper award is \$200.00, second \$150.00 and third \$100.00. Award plaques are given to each winner. Nine-hundred geologists attended the convention and five-hundred and fifty of these were accompanied by their wives. The weather was wet and windy - 10" of rain were officially recorded at North Miami Beach, near the convention headquarters in the Deauville Hotel on Thursday, October 30. In spite of this, most geologists in attendance lived it up - and this is not hard to do in Miami Beach. The 1971 Convention will be held in Shreveport, Louisiana and the 1972 Convention in New Orleans, Louisiana.

SHREVEPORT GEOLOGICAL SOCIETY DANCE

The Shreveport Geological Society has extended an invitation to the members of the Mississippi Geological Society to attend its 1969 Christmas Dance to be held Friday, December 19th, at the Convention Center in Shreveport. The new Ted Weems Orchestra will provide music for dancing from 8:30 p. m. to 12:30 a. m. Cost of the function is \$15.00 per couple. For more information or reservations write the Shreveport Geological Society at Box 750, Zip 71102, in Shreveport.

MGS TREASURER REPORTS

Treasurer Ned Phillips reports the Society had a bank balance on November 1, 1969, of \$2,886.50. Of this amount, \$1,125.00 had been received from contributions from those individuals and companies whose names appear on the last two pages of the Bulletin. This money will go towards the cost of the Bulletin's publication.

VALENTINE'S DAY DANCE PLANNED

Program Chairman Marion Kirby has announced that the annual Geologic Society dance will be held earlier this year than usual, on Valentines Day, February 14. Even though this is a couple of months off, it's not too early to make your plans to attend.

LOST AND FOUND DEPARTMENT

- Lost — One Drug Store, lunch counter, coffee shop and news stand on first floor of Petroleum Building.
 Found — Walgreen's News Stand. For further information contact Jim Furrh, Jr.



MERRY CHRISTMAS

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MISSISSIPPI GEOLOGICAL SOCIETY
P. O. Box 422
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NEWS

BULLETIN

mississippi geological society



Vol. XVII, No. 5, January, 1970

BATES HERE FOR JAN. 15 JOINT MEETING NATCHEZ TO HOST MGS JAN. 23; BERG TO SPEAK

CRETACEOUS SAND ENVIRONMENTS
TOPIC OF BERG AT NATCHEZ

Dr. Robert R. Berg, Professor of Geology and Chairman of the Department of Geology and Geography, Texas A & M University, will speak to the MGS on Friday, January 23. The meeting will be in Natchez, Mississippi, at the Eola Hotel. A social hour, sponsored by the Natchez section of the MGS, will begin at 5:30 P.M. and dinner will be served at 6:30 P.M.

Dr. Berg's talk is titled "Depositional Environments of Cretaceous Reservoir Sandstones in Rocky Mountain and Gulf Coast Areas." He will discuss criteria for differentiating sandstone depositional environments, and will illustrate with specific geology of the Fall River (Dakota) reservoirs in the Powder River Basin, Wyoming; The Muddy Sandstone at Bell Creek Field; Montana, and the Tuscaloosa reservoirs at Mallalieu Field, Mississippi. He will stress the exploratory significance of environment determination, particularly in laterally discontinuous sand objectives.

Dr. Berg became a professor and university administrator at Texas A & M in January, 1967. His background is industrial rather than academic; he actively practiced petroleum geology for the preceding 16 years. He has both B.A. and Ph.D. degrees from the University of Minnesota, having obtained the Ph.D. in 1951. From 1951 to 1956 he was employed by the Standard Oil Company of California in various

(continued on page 2)

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

- Jan. 15 Bates Talk - King's Inn
Social Hour 5:30 P.M.; Dinner 6:30 P.M.
- Jan. 23 Berg Talk In Natchez
Eola Roof, In Eola Hotel
Social Hour 5:30 P.M.; Dinner 6:30 P.M.

FOR RESERVATIONS TO JAN. 15 MEETING, CALL CLEM DAZET 352-8589 BY NOON OF 15TH. FOR RESERVATIONS TO NATCHEZ MEETING ON 23RD, CALL CLEM DAZET OR ARMANDO RICCI IN NATCHEZ, 445-4511, BY JAN. 20TH. FOR BUS TRANSPORTATION, READ "NATCHEZ MEETING ARRANGEMENTS."

NORTH SLOPE SUBJECT OF BATES TALK

Dr. Charles C. Bates, Science Advisor to the Commandant, United States Coast Guard, will speak to a joint meeting of the Mississippi Geological and Geophysical Societies on Thursday, January 15. The meeting will be at the King's Inn in Maywood Mart, Highway 55 North at Northside Drive. A social hour begins at 5:30 p.m., dinner at 6:30 p.m.

Dr. Bates' talk is titled "How Unknown is the North American Arctic." He will outline major governmental efforts to utilize the American Arctic and the impact of the Prudhoe Bay oil strike on the area. He will discuss petroleum and mineral potential that is now leading to major exploration plays on the part of industry, major experiments such as the passage during the summer of 1969 of the SS Manhattan between the Atlantic and Polar Basins, and the sociological and economic implications associated with these developments.

A Rector Scholar at DePauw University, Dr. Bates was graduated in 1939 with a major in Geology. He also holds a M.A. degree in Physics-Meteorology from UCLA and a Ph.D. in Oceanography from Texas A & M.



CHARLES C. BATES

Dr. Bates has been Science Advisor to the Commandant, U. S. Coast Guard since 1968. Prior to then he had been Scientific and Technical Director of the U. S. Naval Oceanographic Office from 1964. Earlier governmental assignments included that of being the Environmental Systems Coordinator in the Office of the Deputy Chief of Naval Operations (Development) between 1957 and 1960, and Chief of the Underground Detection Branch, Nuclear Test Detection Office of the Advanced Research Projects Agency, Office of the Secretary of Defense from 1960 to 1964. Before World War II, Dr. Bates was a geophysical trainee with a subsidiary of Standard Oil of New Jersey from 1939 to 1941.

Dr. Bates is a past vice-president of the SEG (1965-66). He is presently a member of the Merchant Marine Council and of the National Research Council's Maritime Transportation Research Board.

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Mrs. Benton Vernon	Women's News	

(PUBLISHED IN JACKSON, MISSISSIPPI)

from the editors-

Made any New Year's resolutions? I rarely do, and then rarely keep them. But I've made one for 1970 which I will keep, and that is, to write to my representative's in Washington. Maybe its crotchiness caused by advancing age, but I have finally decided to put in my six cents worth. It is frustrating to see things happen which I am strongly opposed to (and vice versa) and over which I have no control. Writing to my congressmen may not cause things to happen the way I'd like them to, but at least one of the "forgotten Americans" will have been heard from. And I'm naive enough to believe that these letters do get some attention, and over a period of time, do produce results.

This is something a lot of us talk about, but rarely do. It is easy enough to do, and certainly there is no lack of issues which affect each one of us, both personally and professionally. Just a few, for example, are: imports, depletion allowance, and the school-mix problem.

Following are some tips on how to write to your legislator and/or a committee chairman, taken from "ABC of Politics," a publication of the National Small Business Men's Association:

1. Address—
The Hon. James Eastland or John Stennis
Senate Office Building
Washington, D. C. 20510
Salutation — Dear Senator Eastland:
The Hon. Thomas G. Abernethy or William M. Colmer, Charles H. Griffin, G. V. Montgomery, Jamie L. Whitten
House Office Building
Washington, D. C. 20515
Salutation— Dear Mr. Abernethy:
2. Be brief but clear.
3. Do not copy printed material nor enclose it with your letter.
4. Present your personal viewpoint, how the issue would affect you, your community, your business.
5. Don't feel that you have to be an expert.
6. Do not rant. Be polite and fair.
7. Request specific action.
8. Use your own words. Canned lobby material is largely ineffective, but personal letters do receive prompt attention. Don't feel your letter must be typed.
9. Request an answer.
10. Don't fail to thank him for help.

BERG

(continued from page 1)

geological and geophysical assignments in the Rocky Mountain Area. In 1957 he became Rocky Mountain Division Geologist for Cosden Petroleum Corporation; in 1959 he became General Partner for Embar Oil Company. In 1963 he became a consultant and partner for Berg and Wasson, and left consulting for the Texas A & M position.

Dr. Berg is a member of the AAPG and AIPG, and is a Fellow of the GSA. He has published widely on surface and subsurface geology, geophysics, paleontology, and sedimentary petrography. His paper to be presented in Natchez is published in the Houston Geologic Society Bulletin, V. 12, n. 1, October.

One meeting each year is hosted by the Natchez section of the MGS. The Natchez group is to be commended for their efforts this year in attracting a speaker of the status of Bob Berg. All MGS members and their guests are urged to make plans now to attend.

NATCHEZ MEETING ARRANGEMENTS

Natchez MGS Representative "Buck" Gulmon and Bulletin Reporter Armando Ricci have advised that nothing has been spared to provide an informative as well as a hospitable evening in true Natchez tradition.

Firstly, the roof of the luxurious Eola Hotel has been reserved for the occasion, and secondly, wives (that's right, wives) are invited. Here is her chance for that long awaited out of town business trip, and your chance to show how well behaved you are on those out of towners. Here is how:

1. Transportation: Busses with sponsored refreshments will be provided from Jackson, but only if sufficient interest is shown. To make bus reservations call Kevin Cahill at 355-4705 Area Code 601 by January 14. An announcement will be made at the January 15 meeting as to whether or not we'll have busses. Check later with Kevin's secretary if you are unable to attend on the 15th.

2. Reservations for meeting: Regardless of how you travel, or if Natchez is your home, call reservations in to either Clem Dazet 355-8589, Jackson, or Armando Ricci 445-4511, Natchez, by January 20.

personal news-

by Dean Kebert

Kevin E. Cahill, (former District Geologist for Placid Oil), along with Bert Rosson (former Skelly District landman) will operate exploration efforts of Southeastern Exploration Co. Their offices are in the Petroleum Building, and phone is 355-4705.

consultants corner-

by pro and con

Dear Consultants,

I would like your views on the practice of "top leasing".

I've been a geologist for a few years, but have become involved with petroleum geology only recently. Newly acquired colleagues have explained "top leasing" to me as the practice of one party contracting to lease a mineral interest already under lease to another. The net result is that the lessee can avoid loss of his lease only by drilling because he no longer has any opportunity to negotiate with his lessor for an extension or a new lease.

Proponents argue that there is nothing illegal or unethical about a "top lease", whereas opponents get so emotional and up tight that they don't present a clear argument at all. What are the pros and cons on this question?

Yours truly,
Tyro

Dear Tyro:

Until recent years, the mere utterance of "top lease" conjured up in the minds of most people some sort of criminal act performed by the most unsavory people in oil industry. However, now the trend is toward acceptance of this procedure. Many oil companies and individuals now top lease with regularity, are becoming more outward about it and are accomplishing it with impunity.

Statistics show that most of the oil in this country is found by independents. These are aggressive people who obviously cannot compete economically with large oil companies. To compete they top lease and then get wells drilled. This finds oil.

The land owner benefits by the competition initiated by top leasing. If he desires, he can play one individual against the other. This helps our whole economy and way of life - The American Way.

In summary-Tyro, my recommendation to you or your company is top lease if you must and top lease if you desire. Those who will top leased have an obvious recourse-drill before their lease expires. Yes there are risks involved for those who top lease but the possible rewards are great and I believe, outweigh the risks.

Yours truly,
PRO

Dear Tyro:

Prudent operators seldom if ever indulge in "top leasing", They refrain because it is impractical, not because it illegal. Wide spread "top leasing" would be detrimental to exploration and is, therefore, just not good for business.

Consider the situation if all operators abandoned their policy not to "top lease". It takes no great amount of experience to see that the large companies with their large capital resources and their ability to invest large sums and wait would have a distinct short term advantage. They can pay the price in money and time to control the lease situation on the best prospects, and the independent will find tougher competition for leases and fewer opportunities for promoting wells. Eventually the smaller operator's greatest asset, taking quick drilling deals, will not be in demand. He will be in trouble, and that will hurt exploration.

Oddly enough, the small operator does most, but by no means all, of today's "top leasing". He seems determined to get the lid off this can of worms.

Yours truly,
CON

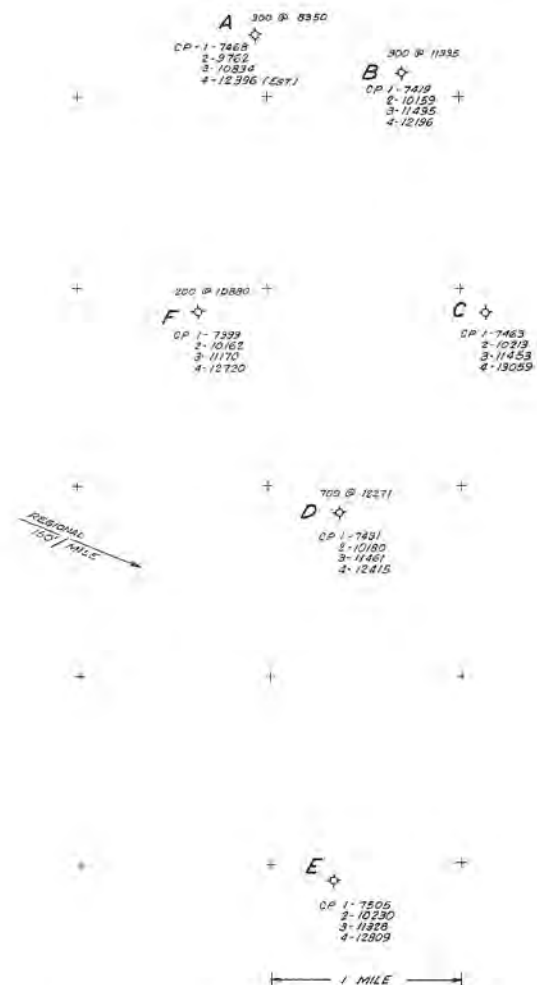
FIND THE OIL PATCH

Here is an opportunity for you to sharpen your oil finding skills and put them to good use in the '70's.

This map displays the critical subsurface control available to a Jackson independent geologist who succeeded in finding an important oil field with one additional well. Can you do it?

Additional pertinent data are: 1) Datum - Plane is conformable to but is not sea level. 2) Regional dip arrow shows amount and direction for region, not for that particular spot. 3) Map area is associated with a gravity minimum. 4) Objective interval is from CP3 down; rocks from CP2 to CP3 are predominately impervious. 5) Trap is structural, not stratigraphic.

Answer next month.



MIAMI GCAGS BEST PAPERS

First Place:
"Permeability Anisotropy in Microsucrosic Dolomites", by Perry O. Roehl

Second Place:
"Possible Ground Water Influence on the Habitat of Oil in The Gulf Coast", by James K. Rogers

Third Place: Tie
"Glen Rose Reef Complex of East Texas and Central Louisiana", by D. F. McNamee

"Geometry of Fluvial and Deltaic Sandstones (Pennsylvanian and Permian), North Central Texas", by L. F. Brown, Jr.

news of honorary members-

By Ed Minihan

Being a geologist is an incurable disease; being a female and a geologist does not give one immunization. Though retired since 1961, Miss Winnie McGlamery is still practicing her geological profession in Tuscaloosa, Alabama as a consultant.

She was a strong right arm for the Alabama State Geological Survey for thirty years and made many outstanding contributions to the knowledge of the stratigraphy of Alabama. For those who work Alabama, Miss McGlamery's logs are invaluable—most of the time they are the only dependable well information available, particularly in the Paleozoic rocks of Black Warrior Basin.

Miss McGlamery attended the University of North Carolina for three years and received her A. B. Degree from Goucher College in Baltimore, Maryland. She did graduate work at John Hopkins University for two and one half years. The American Museum of Natural History in New York City employed her as a Paleontologist for one year. Her first experience with the oil business was as a Paleontologist for Humble Oil and Refining Company for one year in Houston. After the short tenure with Humble she moved to the Alabama State Geological Survey where she remained until she retired in 1961. Miss McGlamery is now a consultant in Tuscaloosa and still very active.



WINNIE McGLAMERY

VALENTINE'S DAY DANCE

Don't forget the annual MGS dance is being held earlier this year. It has been scheduled for Valentine's Day, Saturday, February 14, and will be held at the Jackson Country Club.

Lincoln Warren is the Chairman of the Dance Committee, and is assisted by Clem Dazet. Details of the dance will be announced, but it is not too early to circle the date on your calendar.

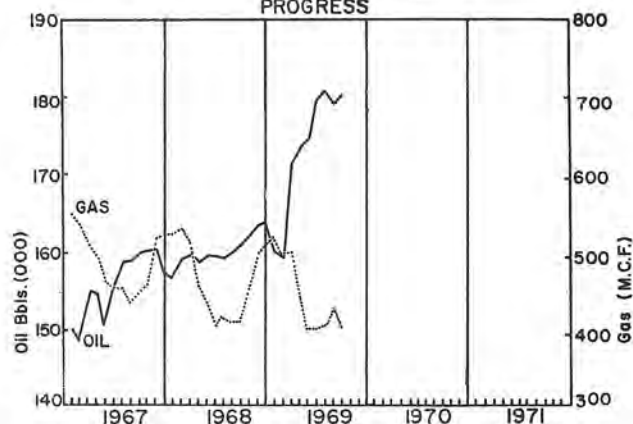
SPONSOR NOTES

In last month's Bulletin, Santa Claus crowded out two of our Sponsors, Champlin Petroleum and Seismograph Service Corp. Santa would gladly have relinquished his place there if he had realized this would happen. He asked us to relay apologies to Champlin and S. S. C.

We are happy to announce that our family of sponsors has grown by two: Southern Mud Logging, Inc, out of Monroe and Wellcore Company from Laurel.

progress-

by Jim McMullen
PROGRESS



Daily Production	September, 1969	180,046 Bbls.	Oil
		411,903 M.C.F.	Gas
	September, 1968	161,896 Bbls.	Oil
		416,288 M.C.F.	Gas

Box-Score Discoveries January - September, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
8	0	2	0	8	0

Box Score Discoveries January - September, 1968

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
8	0	0	0	4	0

New Field Discoveries November, 1969

Coulsen Bayou - 11/17/69
Justiss & Mears No. 29-16 Pettis
29-4N-3W, Wilkinson Co.
IP/F (6190-94) Wilcox sd.
101 BOPD
1/8"ch; TP 550 Grav. 44°

Unnamed - 11/30/69
R. K. Panches & B. Serio No. 1 Armstrong
Acc - 6N - 3W, Adams Co.
IP/F (6312-14½) Campbell sd.
87 BOPD no wtr.
6.5/64" ch; TP 415
Grav. 38°

ATTENTION BARGAIN HUNTERS

The following AAPG reminder appeared in the September issue of the Corpus Christie Geological Society Bulletin.

Under Article III, Section 3 of the Constitution, and under Article I, Section 3, of the Bylaws of AAPG, an active member in good standing may be elected a Life Member by tendering \$200.00 directly to the Executive Committee. Thereafter, the Life Member will not be subject to dues (or dues increases), and will receive the benefits of Association membership as long as he lives. At the present rate of \$22.00 per year (and this most likely will be increased in the future), a payout of nine years is realized.

The opportunity to obtain a Life Membership is recognized as a good bargain by the AAPG management, and is not included in the new proposed Constitution and Bylaws which are being voted upon now. If ratified, the new Constitution is effective July 1, 1970. The contractual obligation to the then existent Life Members however will be honored, according to a letter of January 21, 1969, from AAPG President Frank Conselman.

women's news-

by Nancy Vernon

DECEMBER LUNCHEON

Members of the Women's Geological Auxiliary and their guests enjoyed a festive Christmas luncheon on December 11 at Primos Northgate. Mrs. Ben Edwards, III, was chairman and was assisted by Mrs. Kevin Cahill, Mrs. Benton Vernon, and Mrs. John Myers. The tables were beautifully decorated with greenery accented by red velvet bows and red candles arranged in silver candelabras.

WELLCORE COMPANY Laurel, Mississippi	
J. B. (Tommy) Tomlinson, Registered Professional Engineer	Owner and Operator (601)428-1466
CHAMPLIN PETROLEUM COMPANY	
301 Beck Building Shreveport, Louisiana	318-4425
PRUET & HUGHES COMPANY 390 Petroleum Building - Jackson, Miss.	
SECAN OIL COMPANY	
Natchez, Miss. 445-5634 P. O. Box 1246 - Natchez, Miss.	New Orleans, La. 529-1255 Vidalia, La. 366-5846
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P. O. Box 1227 - Natchez, Miss.	
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519 E. Pearl Street-Jackson, Miss.	354-3523
RIDGWAYS	
103 E. Pearl St. - Jackson, Miss.	355-4751
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P. O. Box 2669 Jackson, Miss. 39207	(601) 355-9636 Cable: DELTEX
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112 S. Wall St. - Natchez, Miss.	(601) 442-2751
C. A. CARDNEAUX Geologist	
P. O. Box 673 Natchez, Miss.	(601) 442-0711 (601) 442-1312
DONALD C. DEVENING Petroleum Geologist	
Natchez, Mississippi	
WADE FORTENBERRY Geologist	
P. O. Box 1183 - Natchez, Miss. Office: Hwy 61 South	442-6011 (office) 442-3250 (Residence)

Mrs. Harold D. Baker, president, introduced Mrs. Richard A. Malone who presented a lovely program of American Christmas carols, beginning with an Indian melody and finishing with "The Little Drummer Boy."

JANUARY COFFEE

Mrs. Harold D. Baker's home on Culleywood Road was the scene for an informal coffee held for the members of the W.G.A. on January 8. The officers of the auxiliary served as the hostess committee. While the members enjoyed their coffee, they made decorations for events planned in February.

SOUTHERN MUD LOGGING, INC.	
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Jackson, Mississippi	352-8589
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Box 10653 1407 Standard Life Bldg.	355-2956 Jackson, Miss. 39209
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H. E. Hansen, Dallas	A. T. Ricci, Jr., Natchez
DANIEL E. HERLIHY Consulting Geophysicist	
510 Woodland Hills Bldg. - Jackson, Miss.	366-7734
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902 First National Bank Bldg.	Jackson, Miss. 39201
H. E. KARGES Consulting Geologist	
Box 1635 236 E. Capitol St.	352-0972 Jackson, Miss. 39205
WILBUR H. KNIGHT Consulting Geologist	
517 First National Bank Bldg. - Jackson, Miss.	355-1528
HILTON L. LADNER Petroleum Geologist	
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MORTON M. PHILLIPS Petroleum Geologist	
9026 Milner Bldg. - Jackson, Miss.	355-3364
R. K. PUNCHES Petroleum Geologist	
Natchez, Mississippi	
HENRY N. TOLER Consulting Geologist	
819 Deposit Guaranty National Bank Bldg. Jackson, Miss. 39201	354-1604 354-1605
H. VAUGHN WATKINS Petroleum Geologist	
1234 Petroleum Bldg. - Jackson, Miss.	355-0401
FELIX H. WEBSTER Geologist	
803 Standard Life Bldg. - Jackson, Miss.	353-9520

BRITZ SYSTEMS	
Data Processing - Customized for Oil & Gas Industry P. O. Box 206 - Clinton, Miss.	924-6611
FORTENBERRY DRILLING COMPANY, INC.	
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William McGehee, Owner Natchez, Mississippi	442-2224 — 442-6631
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PENROD DRILLING COMPANY	
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Jackson, Mississippi	948-5591
TRANSCEIVER CENTERS OF MISSISSIPPI	
Nationwide Facsimile Transmission Service P. O. Box 2127 Jackson Station — Hotel Heidelberg	352-7816
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Core Analysis 606 Ave. C-Airbase - Laurel, Miss.	(601)425-3394
LOCATION SAMPLE SERVICE, INC.	
Hycalog Franchise Operator Laurel, Mississippi Jackson, Mississippi	426-9711 982-2766
OIL WELL LOGGING, INC.	
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ADCO PRODUCING COMPANY	
George E. Pool, Pres. Natchez, Miss.	Frank Heathman, Pet. Eng. Natchez, Miss.
AMERICA SOUTHWEST CORP.	
Box 936 - Jackson, Miss. Gulf Coast Drilling & Exploration, Inc.	354-2513
BIGLANE OPERATING COMPANY	
Natchez, Mississippi	
DAVID K. BROOKS	
660 Milner Bldg.	Jackson, Miss.
CALLON PETROLEUM COMPANY	
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	(601) 442-2776

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W. BALDWIN LLOYD	
903 First Nat'l. Bank Bldg.-Jackson, Miss.	948-3666
JOE A. MAYEAUX C. H. MAYEAUX	
Milner Bldg. - Jackson, Miss.	352-7781
MISS-TEX OIL PRODUCERS	
225 Petroleum Bldg.	Jackson, Miss.
BISON OIL COMPANY	
Marvin L. Oxley 213 S. Lamar - Jackson, Miss. 39201	355-1841
WILLIAM H. PLAYER & ASSOCIATES	
Oil Producers P. O. Box 1383 - Natchez, Miss.	
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Jackson, Michigan X. M. (Frank) Frascogna 1405-7 Standard Life Bldg.	Exploration - Acquisitions Gulf Coast Representative Jackson, Miss. (601) 355-2956
SOUTHERN NATURAL GAS CO.	
P. O. Box 1513 Donald R. Scherer, Dist. Geologist	Houston, Texas 622-7270

MISSISSIPPI GEOLOGICAL SOCIETY
P. O. Box 422
Jackson, Mississippi 39205

NEWS

BULLETIN

mississippi geological society



Vol. XVII, No. 6, February, 1970

MORGAN ON CENTRAL MISSISSIPPI FEB. 3 SWING WITH SWEETHEART FEB. 14

PLANS FOR VALENTINE'S DAY DANCE ANNOUNCED

Lincoln Warren Chairman of the Spring Dance Committee, has announced plans for the annual Mississippi Geological Society dance. It will be held at the Jackson Country Club on Valentine's Day, Saturday, February 14.

It will begin at 7 p.m., with a cocktail hour. Dancing will be from 8 p.m. to midnight to the music of Jules Barlow. For those who want to play lazy on the morning after, or have an early tee-off time, a breakfast will be served between 11 p.m. and midnight. Cost of this affair is \$7.50 per ticket, \$15 per couple. Please note: this price covers everything: in particular; the cocktail hour, drinks during the dance, and breakfast. So you can leave your own bottle at home, and take advantage of this bargain.

The Women's Geological Auxiliary will contribute their talents to the decoration of the dance, and the sponsors being lined up by Lincoln and his group will contribute a number of door prizes.

This should be one of those dances at which everyone has a real ball. Coming between the winter party season, and before the out door season gets started, everyone ought to be in a mood to enjoy themselves. Let's make the most of this opportunity - make plans to be there, and bring along your best dancing partner!

Tickets will be mailed out to each member, along with additional information, Lincoln has indicated he hopes to get a response from everyone. Those that cannot attend should return the tickets. Hopefully we won't have any party poopers, and everyone will return a check for the tickets.

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

- | | |
|---------|---|
| Feb. 3 | Morgan Talk - Kings Inn
Social Hour 5:30 P. M., Dinner 6:30 P. M. |
| Feb. 14 | Dance at Jackson Country Club
Social Hour 7 - 8 P. M., Dance 8 - 12
Breakfast 11 - 12 |

FOR RESERVATIONS TO MGS MEETINGS CALL CLEM DAZET 352-8589 BY NOON OF MEETING DAY. THOSE WITHOUT RESERVATIONS WILL BE SEATED LAST.

MGS MEMBER TO DISCUSS LOCAL GEOLOGY

Joseph K. Morgan, District Exploration Manager for Skelly Oil Company in Jackson, will be the speaker at the Mississippi Geological Society's meeting on Tuesday, February 3. The meeting will be held at the King's Inn at Maywood Mart, Highway 55 North at Northside Drive. A social hour will begin at 5:30 p.m., and the dinner will follow at 6:30 p.m.

The title of Joe's talk will be, "The Central Mississippi Uplift."



JOE MORGAN

the AAPG, and the Mississippi and American Association of Petroleum Landmen.

Joe grew up in Illinois, and after serving in the Navy in World War II, graduated from the University of Illinois with a BS in Geology in 1950. He transferred to the University of Wyoming to obtain his MS in Geology in 1951. He then hired on with Skelly and has had assignments of six years in Colorado, five years in Oklahoma, four years in Kansas, and now, almost four years in Mississippi. He has been Skelly's District Manager here since his arrival in 1966.

Joe holds membership in a number of professional societies, including the Mississippi Geological and Jackson Geophysical Societies,

THE CENTRAL MISSISSIPPI UPLIFT Abstract

A structurally high area separates the Black Warrior Basin from the Salt Basin in Mississippi. Structural, isopachous and paleo-geologic maps of this area are presented which cover parts or all of fifteen counties in Mississippi and Alabama. The maps depict the uplift and indicate its time of growth. Two seismic profiles show the relation of the structurally high area to the Salt Basin. The name Central Mississippi Uplift is proposed for the feature, and a short discussion of its oil and gas potential is presented.

news of honorary members-

by Ed Minihan

The Mississippi Geological Society has many outstanding Honorary members, none are more outstanding in their contributions to our society than are Paul and Esther Applin. It would be impossible to list all of their publications in the allotted space. It would be harder still to list the number of geologist who have sought and been freely given the advantage of their work and study.



PAUL APPLIN

U.S.G.S. and specialized in the Mesozoic stratigraphy of the Gulf Coast, salt domes, and oil geology.

Esther Richards Applin was born in Newark, Ohio in 1895. Esther received her A.B. and M.A. degree from the University of California. From 1919 until 1927 she was in charge of paleontological work for the Rio Bravo Oil Company. During this time Esther pioneered and proved the value of Foraminifera in subsurface correlations. From 1927-1942 she was a consulting geologist and paleontologist; from 1942-1945 she was an assistant professor of geology at the University of Texas; and in 1945 she joined the U.S.G.S. Esther too, has authored many papers on the Gulf Coast stratigraphy.

In 1923 Paul and Esther were married in Houston, Texas. They had two children, Louise Richards (Mrs. Emmitt A. Lawless, Jr.) and Paul Livingston, Jr. Both of Paul and Esther's children have made outstanding careers of their own. They now have twelve grandchildren and one great grandchild.

Are Paul and Esther busy since retirement? They are, Paul and Esther are still working on the complex stratigraphy of Florida and Alabama.

GEOPHYSICAL SOCIETY TO MEET FEB. 16

Dr. Emil Mateker, Jr., Western Geophysical Company, Houston, Texas, will speak to the Jackson Geophysical Society on Monday, February 16th. The meeting will be held at the King's Inn in Maywood Mart, Highway 55 North at Northside Drive. A social hour begins at 5:30 p.m. followed by dinner at 6:30 p.m.

Dr. Mateker will discuss velocity and velocity determinations derived from seismic data.

Paul Livingston Applin was born in 1891 in Keene, New Hampshire; received his A.B. degree from Dartmouth in 1914; did graduate work at Yale; and taught mineralogy at Dartmouth. Paul's career has been varied. He has worked for the following companies: Roxana Petroleum Co., Texas Pacific Coal & Oil Co., Mid-West Refining Co. East Coast Oil Co., Rio Bravo Oil Co., Cosden Oil Co., and the Danciger Oil & Refining Co. He was an independent consulting geologist from 1931- 1943. In 1943 he started working for the



ESTHER APPLIN

MISSISSIPPI GEOLOGICAL SOCIETY

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Mrs. Benton Vernon	Women's News	

(PUBLISHED IN JACKSON, MISSISSIPPI)

oil imports -

by Kevin E. Cahill

Now that the battle of percentage depletion has been lost or won, depending on how you evaluate it, our attention should be focused on an equally important issue—oil imports. It is readily apparent that the oil industry is in for another long siege in the weeks ahead on this vitally important issue. Mr. Kenneth Crandall recently mailed to all AAPG members a copy of a letter which he sent to President Nixon. The industry's viewpoint on this subject was eloquently stated in this letter, and I will not bore you with repetitious material which he presented. However, I think we should examine closely some of the thinking currently undergoing consideration in Washington.

A cabinet-level task force has recently voted to phase out the present oil import quotas, replacing them with a tariff system. For example, the levy could possibly be \$1.00 for each barrel imported. From the Government's viewpoint, the key attraction of tariffs over quotas is that the tariff would be diverted to the U.S. Treasury. At present the difference between domestic and world prices is approximately \$1.25 per barrel. The proposed tariff system would deny the quota benefits to importers and instead increase Government revenues \$500,000,000 to \$800,000,000 a year. Government thinking is that by permitting cheaper foreign crude to account for perhaps 20% of U.S. demand (nearly twice the 1,150,000 barrels a day currently permitted), a "moderate" decline of possibly 25 cents to 35 cents a barrel would occur in domestic oil prices.

The most shocking aspect of the entire task force study is the reasoning they have used to reach their conclusion. One of their prime concerns was what level of tariff would be needed to stimulate expansion of refining capacity along the East Coast. They reason that prices of gasoline and home heating oil would be greatly lowered with such an expansion. They state that quotas give domestic producers no incentive to keep prices down. They even proclaim that a tariff system would be beneficial to the oil industry. The reason: as "stripper" wells go out of business and prices fall, state regulatory authorities would let efficient producers pump oil at a higher percentage of capacity. How's that for reasoning? These are only a few of the ridiculous reasons obtained from genuine fuzzy thinking.

What really would be the effects of a tariff system?

1. At the risk of sounding repetitious, couldn't a lowering in oil company profits jeopardize your job as a Geologist?
2. Domestic exploration would be somewhat curtailed. How many prospects wouldn't be drilled or wells be produced at prices 35 cents per barrel less?
3. Wouldn't raising the import quotas have a drastic effect on our national security? Consider recent developments in Bolivia, Libya and elsewhere.

(continued on next page)

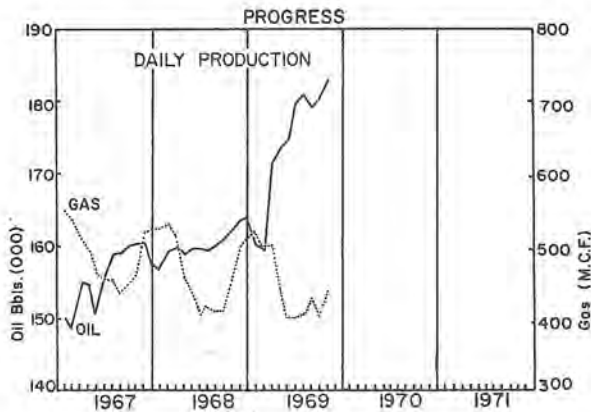
(Oil Imports continued)

4. More than likely the additional revenue directed into the Treasury would eventually go to the OEO or HEW. Inflation and chaos would continue to spiral.
5. Many refiners would be hard hit who need the difference between domestic and world prices to survive.
6. Does the oil industry really need an additional incentive to keep prices down? I think the record will show that in Senator Proxmire's home state the price of milk from his dairy cattle has gone up considerably more in the last 10 years than the price of gasoline.

I strongly urge each of you as an interested individual to compose a letter on this important subject to President Nixon. It is highly probable that he could impose a tariff system by proclamation without the consent of Congress. The most discouraging aspect of the entire problem is perhaps best reflected in a recent statement made by the normally conservative Wall Street Journal. They state that "between tariffs and quotas there should be no question as to which is the lesser of the evils." With an attitude like this, it is apparent that we in the oil industry have a real fight on our hands.

progress-

by Jim McMullen



Daily Production:	October, 1969	183,269	Bbls.	Oil
		446,958	M.C.F.	Gas
	October, 1968	162,522	Bbls.	Oil
		454,459	M.C.F.	Gas

Box Score Discoveries January - October, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
10	0	3	0	8	0

Box Score Discoveries January - October, 1968

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
10	0	0	0	5	0

New Field Discoveries December, 1969

- E. Summerland - Larco Drilling Co. # 1 Charles Murray
12-29-69 Sec. 36 - 10N - 14 W, Jones Co.
IP/P (8012 - 8019) Upper Tuscaloosa
277 BOPD no Water
Grav. 15⁰
- Un-named - Pan American Petroleum Co. #1 Shadrock Davis
12-22-69 Sec 8 - 15N - 1W Holmes Co.
IP/F (9925 - 31) Smackover
97 BOPD + 885 MCFGPD
10/64" ch; TP 2000
Grav 46.5⁰

consultants corner-

by pro and con

Dear Consultants:

For 13 years I have been a faithful dues-paying member of the A.A.P.G., receiving and sometimes reading my monthly issue of the Bulletin. I am quite satisfied with our national organization from the standpoint of organization, publication and leadership. But why should we bother with certification?

I think it is a waste of time and money. For the work-a-day major and small company geologists, what possible benefit does it provide? Will it really upgrade our profession? I doubt it. Does the title C P G or A I P G give any prestige to the bearer? Probably as much as the MS I put after my name.

Will it weed out the shady operators? I believe it will not. Regardless of the internal policing we might attempt, unethical practices will continue. I suspect those that are first in line for certification are those who need it most to polish up a tarnished image.

I would like to see a means of preventing unethical practices and providing a bit of upgrading to our profession, but I do not think the present set-up will accomplish either. I am afraid eventually that only state or Federal legislative action will work. What is your opinion?

Yours truly,

MS

Dear MS,

You've stated the case about as well as can be done. I would add that even in matters of certification, geologists cannot agree. Both AIPG and AAPG offer such recognition. Is one only half safe to be certified by one or the other and not both?

Yours,

Pro

Dear MS,

You owe it to yourself and to your profession to get and to study the facts concerning certifications of geologists. It is obvious you are uninformed, and sufficiently so that I cannot hope to rectify the situation with these few lines. While conducting your research, I would ask you to keep one thought in mind. If practicing geologists are not competent to judge the professional ability and ethical standards of practicing geologists, who is?

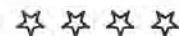
Yours,

Con

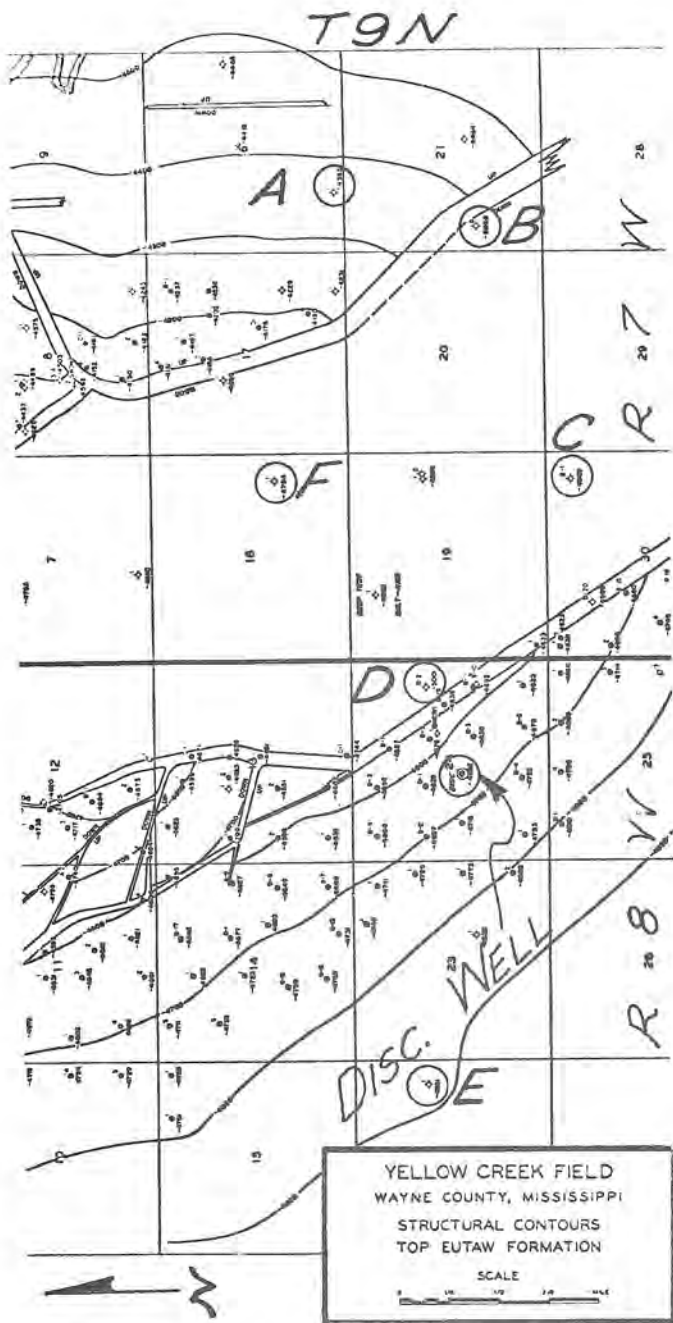
personal news-

by Dean Kebert

Edward D. Minihan has accepted the position of District Geologist for Shenandoah Oil Corporation. Ed will be using his 15 years of experience in Mississippi explorations with Amerada, Placid, and E. L. Erickson to direct the oil finding efforts of Shenandoah. His office is at 1506 Standard Life Building and the phone is 353-9358.



**ANSWER TO FIND THE OIL PATCH:
YELLOW CREEK FIELD**



This map of Yellow Creek Field shows the critical subsurface control available before its discovery in 1947. These wells are indicated by letters A through E, and were shown on the map which we printed in last month's Bulletin. The discovery well, and many of the producing wells as of 1957 are also shown here. The map is taken from the Mississippi Geological Society publication, Mesozoic and Paleozoic Producing Areas of Mississippi and Alabama, Vol. 1, 1957, page 137.

Discovery Well: J. W. Hughes and W. E. Sistrunk No. 1 G.M. & O. Land Co., Sec. 24, T9N, R8W, Wayne County, Miss. Initial production from Upper Cretaceous Eutaw formation pfs (4966-5151), pumped 183 Bbls 19.5⁰ Grav. Oil per day.

(continued next column)

(Answer continued)

Additional information: correlation points given in the problem were measured from a datum of + 6500 feet. CP-1 is Wilcox, CP-2 is Top Chalk, CP-3 is Base Chalk about 35 feet above Top Eutaw Sand, and CP-4 is Top Basal Tuscaloosa.

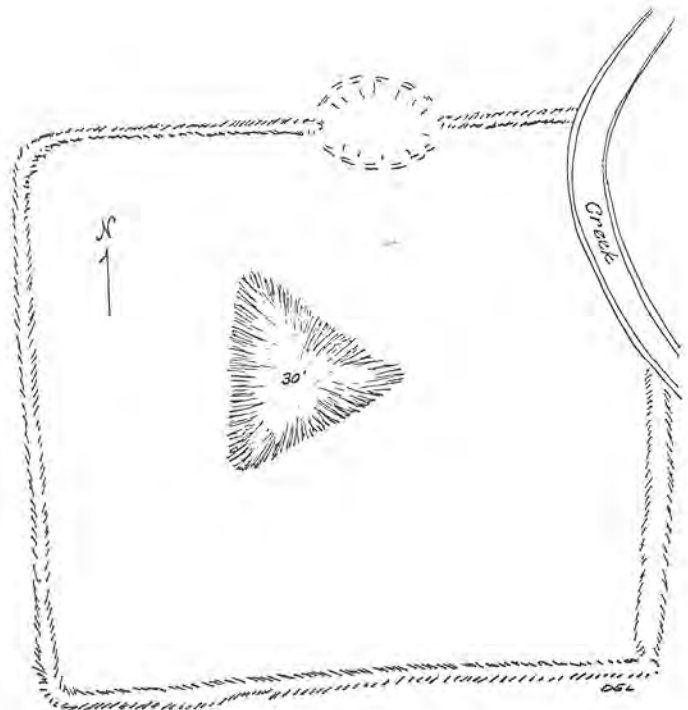
Did you rediscover Yellow Creek? We'd like to hear from you if you tried it.

**HOBBY FOR GEOLOGISTS
AMATEUR ARCHAEOLOGY**

by Bob Zirkle

Many geologists have at least a passing interest in that phase of earth science known as archaeology. Those of us living in Mississippi have an excellent opportunity to learn more about the history of early man in North America. Mississippi has literally thousands of camp sites, villages, temple mounds and burial mounds; ranging from the very old (Paleo Indians) to those of historic time.

One of the more unusual mounds in Mississippi is located southwest of Jackson in Sec. 4, T14N, R5E, Warren County. This mound (see sketch) is unusual in two regards; it has the shape of a triangular pyramid and it is surrounded by a low wall. The size of the mound (30'-40' high, 50' to a side) indicates that it is a temple or ceremonial mound. The wall may have been the base of a stockade or similar defensive structure.



NOT TO SCALE

Dozens of known mounds are located within a 75 mile radius of Jackson, particularly in the Delta Country. Others remain to be discovered by the astute observer. Incidentally, digging a mound is illegal without a state permit.

(continued next page)

(Hobby continued)

Another aspect of amateur archaeology is the surface collecting of artifacts - pot sherds, projectile points, scrapers, axes and other stone tools. One only needs a topographic map or aerial photos to locate high cultivated land near drainage; not present drainage but as it was in prehistoric times. After locating a favorable area, a little time walking out the area will determine whether you have found a site. Look for flint chips and pottery sherds - if these are seen a more thorough search has an excellent chance of turning up stone artifacts. It is advisable to obtain permission of the landowner. This is usually easy when they know what you want to do.

The following stratigraphic column is an abbreviated form of that used by archaeologists working in the lower Mississippi Valley.

Southeastern United States Chronologic Chart

Time	Period	
1540 - Present	Historic	Contact and removal to reservations
900 - 1540 A. D.	Mississippian	Temple mounds
1000 B. C. - 1 A. D.	Tuchula	1st mounds - 1st pottery
7000 B. C. - 1000 B. C.	Archaic	Stone bowls, clay balls, beads
8000 B. C. - 7000 B. C.	Paleo Indian	Fluted, lanceolate projected points

Amateur archaeology is a hobby well suited for family participation. Anyone interested in pursuing this fascinating field further is urged to contact the Mississippi Archaeological Association, Drawer C, MSU, State College, Mississippi, 39762.

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MISSISSIPPI GEOLOGICAL SOCIETY
P. O. Box 422
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NEWS

BULLETIN

mississippi geological society



Vol. XVII, No. 7, March, 1970

MISSISSIPPI'S STAKE IN THE SEA — MARCH 3

WILCOX FIELDS OF SOUTHWEST MISSISSIPPI

by Charles Williams, Editor

"Yes, Virginia, there really is a Wilcox book!"

Our Society's latest publication *Wilcox Fields of Southwest Mississippi* is rolling off the presses and will be ready for distribution by the end of this month. The book contains maps and reservoir data on 171 fields. The loose-leaf binders have been delivered to us. They are green plastic with orange lettering and will look good next to the "Red Book" already in your libraries.

Most geologists have recognized that the keys to oil-finding are largely dependent on understanding environments of deposition. Deltas have been intensely studied and volumes of data have been published concerning them. None of the publications that I know of, however, contains many detail maps of producing fields in deltaic environments. Our *Wilcox* book contains 171 examples of petroleum accumulations in delta-related sediments. All elements of a deltaic complex are present in the Wilcox of southwest Mississippi including channels, bars, strands, etc. The geometry of these bodies is displayed by the individual reservoir maps. Stratigraphic significance of reservoirs in a deltaic environment is particularly noted in that most of the field structure maps show an associated shale-out, shale barrier, permeability barrier, pinch-out, etc.



CHARLIE WILLIAMS

This publication should prove valuable not only to geologists active in the Wilcox area but to explorationists world-wide who look for oil in deltaic environments.

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

- | | |
|----------|---|
| March 3 | Paul Fugate talk - Kings Inn
Social hour 5:30 p.m., Dinner 6:30 p.m. |
| March 10 | Women's Auxiliary Party
Fowler Buick Lodge |

FOR RESERVATIONS TO MGS MEETINGS CALL CLEM DAZET 352-8589 BY NOON OF MEETING DAY. THOSE WITHOUT RESERVATIONS WILL BE SEATED LAST.

PAUL FUGATE, EXECUTIVE SECRETARY, MARINE RESOURCES COUNCIL, TO SPEAK

Paul Fugate, Associate Director of the Mississippi Agriculture and Industrial Board and Executive Secretary of the Mississippi Marine Resources Council, will speak to the Society on Tuesday, March 3. The meeting will be at the King's Inn in Maywood Mart, Highway 55 North at Northside Drive. Socializing begins at 5:30 p.m.; dinner begins at 6:30 p.m.

Mr. Fugate's talk is entitled "An Appraisal of Mississippi's Progress and Opportunities in Oceanography."

The term Oceanography, as will be discussed by our speaker, will include the broad spectrum of business activities in and directly related to the ocean. These activities are: natural resources, recreation, scientific exploration, military, health, transportation, storage, disposal, recovery (salvage) and energy utilization. Each of these activities may have important subdivisions, such as shipbuilding, boatbuilding, etc.

Mississippi has had several institutions, state agencies and federal agencies working in the marine area for many years. The Mississippi Marine Resources Council was recently established as the State agency to function in the total marine environment and is charged with the responsibility to coordinate the scientific and engineering effort of the State's institutions and to conduct long range planning for State action. Mississippi has a recognized unique position on the Gulf of Mexico and up to 25% of the state's economy may be directly ocean related by 1985 or so.

Mr. Fugate's academic work was begun at Washington State University, Pullman, Washington, but he took his B. S. degree from George Washington University, Washington, D. C., in 1950. He held various management positions in the aerospace industry before joining the Management and Technical Services Branch of the Mississippi Research and Development Center in 1966. Mr. Fugate went to the A & I Board in March, 1968, and in April, 1969, was appointed by the Governor to his present position. He is also Secretary of the Mississippi Marketing Council.



PAUL FUGATE

In February, 1970, Mr. Fugate served as co-chairman of the American Management Association's national conference on industry-state programs for developing coastal areas in San Diego, California. This recognition indicates Mr. Fugate's national stature in the field, and indicates our state's leadership in developing a national resource.

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from the editors

Time magazine, January 26, 1970, ran an article on imports, concluding with:

"Nixon must also consider the rising resentment of consumers who are being overcharged to protect and provide so generously for a high-cost and overly privileged domestic industry."

Another salable journalistic feature is the Rowland Evans and Robert Novak column, which in the January 22nd Clarion-Ledger discussed the imports problem. These reporters know how to compose material that sells, but they would make no claim to objectivity. The general theme of the column was that "oil moguls" have Atty. General John Mitchell in their hip pockets, and that "big oil", through President Nixon, would prevent the New England consumers from saving millions of dollars a year in fuel oil prices alone. This would be accomplished by having the President make only minor changes in the import quotas.

In the National Observer of January 19, there is a full page story on the Santa Barbara Get Oil Out group. The following items from this story illustrate the nature and magnitude of the problem facing the oil industry on the pollution front and demonstrates again the credibility gap between the industry and the public. A geography professor, probably influential in his community, and certainly to his students, claimed, "The only pressure causing the oil leakage comes from the pumps." Another GOO member, an artist, said, "If they can't stop a leak only 200 feet beneath the surface then I'm convinced that the oil companies do not possess enough technological knowhow to ever tamper with offshore oil." The article also states: "In fact, the battle is acquiring momentum and is building into a revealing test of the national strength of the growing movement for environmental protection." The anniversary of the first big spill was January 28th and 30 groups staged speeches, seminars and banquets. Do you suppose both sides were adequately represented at these affairs?

The three articles mentioned above appeared within a one week time span, to an observer with a rather limited reading diet. They appeared in influential publications with readers numbering in the millions, throughout the English speaking world. These international publications and columns are often quoted as quasi-expert sources, and unquestionably help to mold public opinion.

The public and its elected representatives have the power to change the structure and character of the oil industry.

And we all know that whatever economic changes occur within the industry are magnified when they reach the exploration arm of the industry.

It is apparent that comments by anti-oil forces have much more circulation and influence than those favorable to the industry. And we are seeing a rising wave of this unfavorable sentiment in the press, which will shortly be reflected by the voting public. We now have a poor image. Unless there are dramatic and unforeseeable events, it will get worse.

So what do we do? Or, should we attempt to do anything at all? I think we should. The problem is how to go about it. For starters, let's get as well informed as possible about our profession and industry. We all talk a lot, but few of us have the facts. Also, let's find out what the other side thinks. Our defense will work better if we know what kind of a play the offense is going to use. How about inviting Martin Lobel, Senator Proxmire's administrative assistant, to talk to the M.G.S.? He had the dedication to his cause and the guts to do it in Oklahoma. Secondly, I think a positive thrust at the grass-roots level can be effective - witness the GOO effort. Apparently the API and the AAPG are not willing, or able, to reach or convince a significant number of people outside the industry. Several hundred explorationists, well placed around the county, sincere in their convictions and well informed and using an approach of enlightened self-interest probably would do infinitely more to influence a large number of people. Finally, if we could ever find one, a strong spokesman of natural stature would work wonders to guide the profession through the frustrating days ahead.

news of honorary members-

by Ed Minihan

Henry M. Toler was born at French Camp, Mississippi. He received his B. S. from L. S. U. and M. S. from the University of Illinois.

Henry met his wife, Ruth, at the University of Illinois. The Tolers have two daughters, Judy and Barbara. They also have three grandchildren. Jackson has been their home since 1931.

In 1927 Henry went to work for Texas Petroleum Company in Columbia, South America. In 1929 he worked for Gulf Oil Corporation in West Texas and was transferred to Jackson to do surface work. In 1931-1932 he was a Consulting Geologist in Jackson. From 1932-1936 he was assistant and then the State Oil and Gas Supervisor. From 1938-1952 he was Chief Geologist with Southern Natural Gas Company, with Headquarters in Jackson.



HENRY TOLER

From 1952 Henry has been a Consulting Geologist with an office in Deposit Guaranty National Bank.

Henry was first President of the Mississippi Geological Society.

consultants corner-

by pro and con

Friends, this issue just can't stand any more trouble, alarming views, or hand wringing rhetoric. Besides, our mail box was loaded with so many good'uns we just couldn't choose.

NATCHEZ MEETING REPORT

The annual MGS meeting hosted by Natchez members on January 23rd was a definite success. Fellowship was splendid. (No wives attended but there were many old friends to greet and new friends to discover.) Attendance was over fifty, which included seven hardy souls from Jackson and two or three from Hattiesburg. The food was great—if you like rib-eye steaks, and the technical program was superb.

Dr. Berg was presented with a "Natchez Care Package" which contained the essentials of Mississippi living as shown in the photo. He also received a handsomely engraved pocket watch. Natchez folks take care of their speakers—and visitors—very well indeed. (If you want details, make the trip next year! Ed.)

Second Vice President John Lancaster spoke briefly and appropriately on behalf of President Cahill and the MGS Board. Natchez Bulletin representative Armand Ricci eloquently introduced the speaker, presided over a spirited question period following Dr. Berg's paper, and then adjourned the meeting.



Dr. Robert Berg, speaker at the January 23rd Natchez meeting, examines the contents of his "Natchez Care Package."



At the Natchez meeting, from left to right: Gordon Gulmon, Don Devening, Armando Ricci, Dr. Robert Berg, John Lancaster, A. J. Lopez.

women's news

by Nancy Vernon

Members of the Black Gold Club and the Women's Geological Auxiliary and their guests attended a luncheon and style show on Thursday, February 12th at the Jackson Country Club.

Spring fashions from Hardwicks and Sudies of Woodland Hills were modeled by members of the combined clubs. Music was provided by Jean Slinkard.

Chairman for the event was Mrs. Benton Vernon and co-chairman was Mrs. Jimmie Walker. Mrs. Ed. Brown was in charge of decorations. Others on the committee were: Mrs. James Cox, Mrs. Pat Foster, Mrs. Wyatt Craft, and Mrs. Max Gilpin.

On Tuesday, March 10, members of the WGA will entertain their husbands at an informal barbecue party at Fowler's Lodge.

personal news-

by Dean Kebert

Lawrence E. "Larry" Walter has opened consulting offices at 708 The Standard Life Building, Jackson. Larry resigned his position as Skelly Oil's District Geologist to go into the consulting field. His eight years of explorations experience in Mississippi and Alabama for Skelly and Pan American provide an excellent professional background for this move.

New faces reporting to the Jackson, Mississippi office of Gulf Oil, U. S. A. include L. P. Bristley, a geophysicist transferred from Bakersfield, California and David Stearns a recent graduate. David holds a bachelor's degree from the University of Wisconsin and a masters degree from the University of London. Welcome to Jackson, fellows.

Congratulations to Charlie and Maggie Bush. We've noted with pleasure how you've attained prominence and much deserved recognition in the hobby of camelia growing. Who says one cannot live up to his name?

GEOPHYSICAL SOCIETY MEETING MARCH 23

The Jackson Geophysical Society will meet Monday March 23 at the King's Inn, Maywood Mart, Jackson, Miss. A social hour will begin at 5:30 p.m. followed by dinner at 6:30 p.m. The speaker for the evening will be Mr. Joe Schwing, Protocol Specialist, General Electric Co., at the National Aeronautics and Space Administration's Mississippi Test Facility. He will show the latest film on our Apollo flights and discuss lunar samples.

USM OFFERS COURSE ON CONTINENTAL DRIFT

The University of Southern Mississippi is offering Geology 533 - Hypotheses of Continental Drift, March 9 to May 18, on Monday evenings 6:30 - 10:00 p.m., in Hattiesburg. If you'd like to update your knowledge of Wegener and Gondwanaland, contact Dr. Richard L. Bowen, Chairman, Geology Department, Southern Station Box 44, USM, Hattiesburg, Ms., 39401. Telephone 266-7195 or 582-7345.

another massacre?

by Kevin E. Cahill

progress-

by Jim McMullen

Distinct rumblings are being heard from Shreveport of another impending massacre of geologists by a major oil company. If true, it would follow closely on the heels of the recent indiscriminate "laying off" of several geologists by a major in Tulsa. Where and when will it end? For the next few paragraphs let us examine this most unpleasant subject.

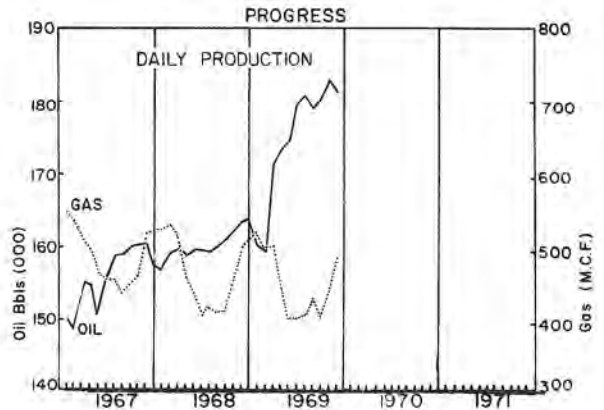
You are all aware of the mass firings in the late Fifties. At that time the excuse was that during the early Fifties most companies surrounded themselves with incompetent new geologists out of school with poor basic training. Undoubtedly, there were a few misfits for geologists then, there are now and there always will be, but this was no excuse to burn the house down to rid it of termites. Most geologists who were caught in the firings were competent, capable and dedicated scientists.

We as a profession were shocked by the treatment of competent geologists during this period of time. Needless to say, the oil industry was set back years in the eyes of our profession. Even today, a decade later, our profession has a memory—a memory in which the oil companies dealt from the bottom of the deck. This attitude filtered down to colleges and universities across the states where just now we are really beginning to recover some form of respect in the eyes of potential new geologists in our schools. Recent events can only reverse this trend, not improve it.

After the mass firings, infinite committees and subcommittees were set up to assess the damage, recommend procedures to halt future layoffs and reconstruct the image of our profession. Recent events are most assuredly testing the success of their work. If mass firings continue, perhaps we as a profession should forget about committees and get tough. You can only kick a sleeping dog so often and eventually he will bite! Teachers and nurses have indicated the last few years that answers to problems like this might lie in a union. But this is a bad word and obviously is a final recourse. Do we have more reasonable solutions?

Every company large or small has its "deadheads." No one can condemn management for letting these people go. But what can these same companies do when necessity dictates that a certain number of competent people must go? I submit that the companies' first responsibility is to the man and his profession, and second to itself. The competent, diligent and dedicated geologist who gives his company all he has for a number of years should not merely be kicked out the door. There isn't a Vice-President in any company that by merely making a phone call or two can't get this man an equally responsible job, if he will. But apparently this procedure is never utilized. Instead, an embittered group of geologists begin to pound the pavement again. The company wrecks its image, the oil industry suffers and most important a proud geological profession turns its back on one of its own.

There are many reasonable solutions to this problem. Will companies help? Can local societies help? Can the AAPG more directly head off mass firings? But whatever the solution, let's do something constructive, and soon. If all else fails, we still have the ultimate weapon. Let's hope we never have to use it!



Daily Production:	November, 1969	181,723	Bbls.	Oil
		487,820	M.C.F.	Gas
	November, 1968	162,783	Bbls.	Oil
		503,616	M.C.F.	Gas

Box Score Discoveries January – November, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
12	0	3	0	8	0

Box Score Discoveries January – November, 1968

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
11	0	0	0	5	0

New Field Discoveries January, 1970

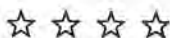
North Stamps – Pan American #A-3 Stricker
 1-18-70 8-2N-5W Wilkinson Co.
 IP/P (6903-05) Wilcox
 36 BOPD + 331 BWPD
 Grav 42^o



SOCIETY PUBLICATIONS— OUR BACKBONE AND LIFEBLOOD

by John Lancaster

Publications are the backbone and lifeblood of our Society. They provide the common denominator for all the administrations of the Society, and each administration has been responsible for and received benefit from the publications prepared and sold by its committees. Publications sales have consistently provided the bulk of the financial lifeblood for the society.



(SOCIETY CONTINUED)

Enclosed with this issue of the Bulletin is our Society's official publications list. Note that from 1940 to 1960 the Mississippi Geological Society produced 33 publications which included 14 field trip guidebooks; the state geologic map; one booklet, *General Geology of Mississippi*; Volume I of the redbook series, *Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama*; one volume on Wilcox fields; and various cross-sections, correlation charts, e-logs and photo-directories. From 1960 to 1970 we failed to keep the pace. The Society produced only seven publications including two guidebooks, one photo-directory, and Volume II with three supplements to the redbook series.

Our first step in the 70's, the long awaited *Wilcox Fields of Southwest Mississippi*, is now coming off the press. This fine effort must be followed by others of equal quality and now is the time. Mississippi geology by Mississippi geologists is in demand. As your publications officer, I have received many outside inquiries for published Society data on the Black Warrior Basin, The Desha Basin, and the Jurassic trend of Mississippi. As you can see from the list, we have little to offer. The Mississippi Geological Society can produce quality publications authored by groups of trained professionals that will be an attribute to us personally as geologists and to our Society as a whole. A supply of current data on the geology of Mississippi will not only bring income and prestige to our society but to us individually as we keep the eyes of the industry on our ideas concerning our geology.

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P. O. Box 1513 Donald R. Scherer, Dist. Geologist	Houston, Texas 622-7270

MISSISSIPPI GEOLOGICAL SOCIETY
P. O. Box 422
Jackson, Mississippi 39205

NEWS

BULLETIN

mississippi geological society



Vol. XVII, No. 8, April, 1970

HEAR EATON ON JURASSIC APRIL 7

BOB EATON TO SPEAK TO MGS ON REGIONAL JURASSIC EXPLORATION

Mr. R. W. Eaton, with P. G. Lake, Inc, out of Tyler, Texas, will be the speaker at the Mississippi Geological Society meeting on April 7. The meeting will be at the King's Inn in Maywood Mart, Highway 55 North at Northside Drive. Socializing will begin at 5:30 p.m.; dinner will be served at 6:30 p.m.

Mr Eaton's talk is entitled "Exploration of Jurassic Wedge of N.E. Mexico and Southern portion of the United States."

Bob Eaton was born, grew up, went to school, and works in Texas. He left his native Palestine (Texas) to attend the University of Texas, from which he graduated in 1940. Following a short stint with Continental Oil in Corpus Christi, he toured the Pacific Ocean as a Naval Air Intelligence Officer. He joined Humble in 1946 and left in 1953, to work for P. G. Lake, Inc., at his present location in Tyler.

Mr. Eaton is modest about his qualifications (a native Texan, yet!), but he has a number of publications to his credit, is a popular speaker, and was recognized by his colleagues in the East Texas Geological Society by being made an honorary life member of that organization.



R. W. EATON

Welcome, Mr. Eaton. Perhaps you can help to set us straight about the Jurassic of the Northern Gulf.

MISSISSIPPI GEOLOGICAL SOCIETY CALENDAR

April 7 Eaton Talk - King's Inn
Social hour 5:30 p.m., Dinner 6:30 p.m.

April 21 Auxiliary Bridge Luncheon -
Jackson Country Club

FOR RESERVATIONS TO MGS MEETING, CALL
CLEM DAZET 352-8589 BY NOON OF APRIL 7.
THOSE WITHOUT RESERVATIONS WILL BE SEATED
LAST.

YEAR IN REVIEW

by Kevin E. Cahill

The Board of Directors recently formed a Nominating Committee to appoint a slate of officer nominees for the forthcoming election in May. The nominees will be announced at the April meeting. With the announcement of new candidates for the Board of Directors, it is readily apparent the year for the present administration is rapidly drawing to a close. With only one more issue of the Newsletter left, it is perhaps timely to briefly review the successful, the not so successful, and the flat failures of the past year.

At the top of the list of successes this year, one would have to put the monthly Newsletter and the Wilcox Publication. Nothing has done more to inspire enthusiasm in our Society than the Newsletter. Financially it was self-supporting, professionally it was thought provoking, and month after month it was most informative. For all concerned it represents a job well done.

The Wilcox Book must be termed a big success because of a few who stuck with it and saw that it was published. I cannot convey to you in words the tremendous job such an endeavor involves without complete cooperation from the entire membership. The cost to publish this book was approximately \$5,300. Our outstanding debts on it approximate \$2,700 at the present time. Initial monetary returns indicate the total amount will be paid off well before the Society year is ended, and we ultimately will show considerable profit. There is no question that projects of this nature are the financial lifeblood of our Society, and a similar project should be started soon. However, we have learned considerably by the publishing of this book, and future procedures involving such endeavors must be drastically revised if it is to be properly accomplished. But, we did finally succeed in the Wilcox Book and wish to express our sincere thanks to those who earnestly helped, to those who went through the motions of helping, and to those who by their deep thought gave us moral support.



KEVIN CAHILL

(Continued on page 3)

MISSISSIPPI GEOLOGICAL SOCIETY

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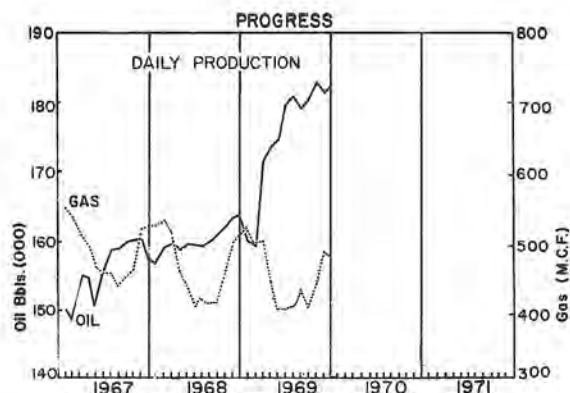
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Mrs. Benton Vernon	Women's News	

progress-

by Jim McMullen



from the editors

If we can presume to judge success by comparing favorable versus unfavorable comment, we can therefore presume that our News Bulletin efforts have been successful. It is appropriate then that we distill our experience into a summary for news editing success. We offer as our legacy an open letter to the 1970-1971 News Bulletin editor.

Dear Editor:

Congratulations! The task you have undertaken will be an experience you will long remember. If perchance you have never had any publishing background or didn't even belong to the journalism club when you were in high school, you are beginning even with the 1969-1970 editors of the News Bulletin. We offer the following step-by-step formula, which if followed precisely will assure you success.

1. Acquire the services of Kevin Cahill and Buck Gulmon, who have the unique quality of knowing almost everyone in the Mississippi petroleum industry. Persuade them to solicit advertising and professional cards.

2. Have within the Mississippi petroleum industry a group of professionals, independents, service companies, and contractors who are interested in the goals of the Mississippi Geological Society, and are willing to purchase professional cards and advertising if they are asked. We are very proud of our sponsors; and for your information, the Mississippi Society's News Bulletin has approximately 25 more sponsors than the Houston Geological Society's Bulletin, although the Houston Society is over three times larger.

3. Recruit a reliable staff of feature writers. Add to this a good advertising man and a public relations expert. Ours are listed in the box above.

4. Have a Society whose membership contains much latent literary talent. Utilize this talent for contributions of articles.

5. Arrange to have a group of Society officers that support you 100 percent. The President will keynote each issue, the Secretary will take care of your mailing problems, the Treasurer will handle all your finances.

6. Contract your printing to anyone you wish so long as you are able to use the expertise and advice of Jerry Yoste and Dewey Knight. So far as we know, Ridgways is the only firm that can offer these advantages.

Who knows—having this responsibility may change your life. You may abandon geology and take up journalism as a career. It has been said that when printer's ink gets in your blood, it is difficult indeed to remove. We, the 1969-1970 editors, have had little difficulty keeping it out of our blood, but it has been difficult to keep out of our hair.

Sincerely,

John Ryall and Bob Beu

Daily Production:	December, 1969	182,338	Bbls.	Oil
		481,720	M.C.F.	Gas
	December, 1968	163,293	Bbls.	Oil
		513,583	M.C.F.	Gas

Box Score Discoveries January - December, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
12	1	3	0	8	0

Box Score Discoveries January - December, 1968

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
13	0	0	0	5	0

New Field Discoveries February, 1970

West Natchez — 2-1-70	Getty #1 McCoy 6-10 6-1N-14E Clarke Co. IP/F (1384-84) Smackover 2640 BOPD + 2136 MCFGPD 48/64" ch TP 428 GOR 809:1 Grav 41°
Majorca — 2-20-70	Secan 1 Majorca Plantation 28-7N-3W Adams Co. IP/F (4410-4412) Stewart "B" 91 BOPD + 41.4 MCFGPD 9/64" ch TP 495 GOR 455:1 Grav 44.3°
Turnerville — 2-4-70	Buttes, Pruet & Hughes #1 Bd of Sup 16-12 16-2N-11E Jasper Co. IP/P (9707-9716) Rodessa 210 BOPD + 11 BOPD GOR 25:1 Grav 22°



(Year In Review from page 1)

Our programs this year were excellent, as reflected in the greatly increased attendance at most meetings. The policy of having a free social hour was expectedly well received and certainly was a factor in the attendance.

The dance this year must be classified as a project not so successful, only because of the small attendance. Those who attended will certainly proclaim that every aspect was prepared and conducted with utmost efficiency down to the smallest details. Attendance at this function in past years has been less than spectacular, and as your President this year I set about to correct this situation. The time, style and format was changed to accomplish this. Obviously, it didn't work. Certainly, we must look long and hard at future events of this nature. However, the dance was excellent, it was financially self-supporting, thanks to many contributors, and for those plagued by infirmities, it may interest you that all had a good time.

The golf tournament and barbecue will be held in May, and arrangements are in good hands. It should be a big success.

Perhaps the only flat failure this year was amazingly enough the proposed Continuing Education Program. Obviously, the "Flying Nun" won out!

Basically, I think the Society has had a good year, and if you, the membership, think we have given it our all, then it was successful, and we are happy.

GEOPHYSICAL SOCIETY TO HEAR JORDAN

APRIL 20

The Jackson Geophysical Society will meet Monday, April 20, at the King's Inn, Maywood Mart. A Social Hour will begin at 5:30 p.m., followed by dinner at 6:30. The speaker for the evening will be Dr. Neal F. Jordan, a member of the Basic Geophysics Division of Esso Production Research Company, Houston, Texas. Dr. Jordan will discuss rapid seismic modeling of complex reflection and diffraction geometries.

women's news

by Nancy Vernon

A bridge luncheon is planned for the April 21st meeting of the Jackson Women's Geological Auxiliary. The luncheon, which will begin at 10 a.m., will be at the Jackson Country Club. Co-chairmen for the event are Mrs. Jack Coulson and Mrs. Joseph Morgan. Members will be contacted for their reservations.

personal news-

by Dean Kebert

Pete Gardner has joined Chevron Oil's staff as a development geologist. Pete hails from upstate New York, and has recently completed his M. S. work at Syracuse University.

L. F. Boland has opened a consulting office at 1503 Standard Life Building after resigning from Amerada-Hess Corporation. Larry worked with Amerada starting in 1947 with the past 21 years being in Jackson, Mississippi. Larry will be putting his valuable store of geological knowledge of the Mississippi-Alabama-Florida Jurassic Trend to work for the oil industry. His phone number is 353-2705.

Frank A. Murrell has resigned his position of geologist with Chevron Oil Company to accept a job as exploration geologist with Murphy Oil Company. Frank's new location is Suite 265, Woodland Hills Building, Jackson, Mississippi.

PROGRESS REPORT - MISSISSIPPI JURASSIC

Since Bay Springs was discovered in January 1965, 32 Jurassic producing areas have been established. 226 completed streams produce approximately 70,000 barrels of oil and gas equivalent of oil daily. This is approximately 33% of Mississippi's total production. Cumulative oil production from the 32 fields, through December 1969, was 45,749,339 barrels.

1969 Jurassic exploratory drilling resulted in 10 new field discoveries and 2 new pool discoveries, for a total of 51 tries. This effort shows a success ratio of 23½%, which is excellent by all wildcaters' standards.

ATTENTION ALGOLOGISTS!

The University of Miami is offering a week-long Field Seminar to study carbonate facies in the Florida Keys and Bahama Banks. It will run from May 29 through June 6, 1970. The total cost, which includes Fee and all expenses including meals and room, will be \$950. Emphasis will be placed on facies of shallow water carbonates, environments of deposition, floras and faunas, criteria for recognition, geometry, and early diagenesis. If you are interested, and have the bread, contact:

Dr. R. N. Ginsburg
Comparative Sedimentology Laboratory
Rosentiel School of Marine and Atmospheric Sciences
10 Rickenbacker Causeway
Miami, Florida 33134

consultants corner -

by pro and con

We agree on little, but we agree that the poetry that follows paints a vivid picture with which all geologists, particularly those who have had major company experience, are all too familiar. This literary classic came into our possession many years ago, and we were told that it appeared initially in the Bulletin of the Rocky Mountain Geological Society.

That's How Consultants are Born by Bud Ogle

I.

Oh, Geologist's brain was grinding one day
When out of the mist there flashed a fresh play.
His fancy was struck by the promise in store
Of billions of barrels - perhaps even more.
He sprang to work with vim and with verve,
Concentration was keen, his mind did not swerve.
Columns of strata and isopachs too
Assembled together: there was bound to ensue
A basinal picture whose inner propensity
Next must be delved with further intensity.
Conferences start, money is needed
To shape the grain that now has been seeded.

II.

Oh, geologist's chore has just barely begun
His battle has started; he's now on the run.
His superior's canny with years to his credit,
(Years, not oil, are also the debit).
"Round and around the play is debated -
"This - oil country? - If so, who has stated?
Control is weak, your sub-surface poor,
If you had more data why then we'd be sure!"
At last (since his bin is empty of plays,
And management expects one, some of these days!)
Superior moves to perk up the ear
Of the genius in charge of the next higher tier.
"Seis is needed and field mapping too
Will give us the answers on what next to do,"

"A budget's involved - don't you know that?
Executive shouts and blows off his hat.
He frets and he stewes as he ponders the play
(With technical background - geology IA.)
"There're so many reasons why this is not sound
There're no derricks there - no oil in the ground!"
A standstill is reached, as hope starts to fade -
Superior's shrewd, knows the tricks of the trade
"Word has got out - can't say if it's so,
Gulf Oil is leasing, there's bound to be more."
The lure has struck home; to combat we charge,
We move into action: "this picture is large!"
"Seis crews we'll move, and field men we'll find
To rush to the fray; there's just barely time!
Lease men we'll shuffle and transfer a few
Who can hustle a lease in competitive stew."

III.

Oh, geologist moves with no hesitation
As seis dope points up a structure's location.
There's contouring now with reams of new data
As powerful tools unravel the strata.
All the requirements are finally fulfilled.
Next move is obvious; a well must be drilled!
But what of the leasing as hope starts to rise?
Has a block been assembled of reasonable size?

IV.

Oh, geologist's plans may oft go awry
If landman's not cunning, nor tricky, nor sly.
For there're landowners: careful and landowners wary
But all must soon end as the landman's quarry.
So landmen march forth with leases in tow
Showing royalties small and bonuses low.
(Cause management's trying to get a big block
With cash from the pocket and not from the sock.)
A month on the ground with a dollar or two
Must give us results or the play may be through
Records are searched and field checking starts,
Acreages divided into 96th parts!
Owners departed, their whereabouts unknown,
Interests scattered as grain may be sown!
The task won't be easy it now can be seen
But landman can track with nostrils so keen.
A certain percentage signs; does not falter,
But others may set out the role of Gibraltar.
Titles are cleared, and interests divided
Are signed a twain, a unit united.
The holdouts give forth with plans astounding
Inspired by lawyers (who need more rounding).
Our secret is out and kibitzer joins
To yap at our flanks and grasp at our loins,
His picture's not clear but his money is sound
And quickly his dollars envelope good ground.
"Management, Management can we have more?
A dollar we offer but they offer four."
A conference follows to size up the plot,
To find if our structure is covered or not.
There're holes in the block, but some solid wedges
Are conspicuously present (cut on the edges!!)
Executive's head is shaking anew;
Geologist's dream is up for review.
More money must come if this dream's to bloom.
Can he dispel this care of gloom?
Maps are laid out, cross-sections are scanned,
The coals of oil-barrels are once again fanned.
Competitor's acreage is brought into play.
"Perhaps a "deal" could still save the day?
If we could get this, and trade them for theirs
With bonus or pride, or drilling shares . . .?"
Minds are made up and more money rolls
To seal up the gaps and blot out the holes.
More owners are signed, competitors vie
And prices are rising! where is the sky?
Finally there comes, and this we must learn,
An end, (tis the law of diminishing return).

Oh, geologist fits all the parts into place
The land and the rocks must fit the same space.
The next step is easy - we must dig a hole
By turning a bit in search of our goal.
But into the plot a nemesis looms
Addicted to doubts and pervading glooms.
A slipstick in hand, a heart with no fire,
Engineer's yammering predictions most dire,
Plucking some figures from out of the air
And cubing some constants with maybe a square
He quickly can prove that prospects are dim.
Drilling this hole - a geologist's whim!
His time has come; he finally concedes
To plan the drilling, as much as he bleeds.
Speed is the thing; a record he'll make
By cutting out coring there's no drilling break!
Geologist pleads for some cores, just a few
Compromise follows - "We'll give just two."
Nights without end and days full of toil
As the bit turns on in search of some oil
Geologist's haggard; he's losing some weight
For everything happens 'twixt midnight and eight.
"We're getting some shows and oil sands been found.
An E-log we want - get that sonde in the ground!"
Eager hands grasp at the film 'fore its dry.
"Is it a bust or will we ride high?"
The sand's not too thick, the kicks not too strong
But it calls for a test to know if we're wrong.
The packers don't set; the test's not conclusive
(Oil has a way of being elusive).
"Let's go again" geologist cries -
Engineer doubts if its mechanically wise.
The next packers hold; it looks like we've hit!
There's oil to the surface and into the pit.

VI.

Oh, geologist's persistence has loosed nature's hoard.
Such devotion to duty will bring just reward!
Picture's are made of the crew on the rig
And there's engineer looking quite big!
V. P. is loosing a blurb to the press
But where is our hero - I'll give you a guess.
He's back in the office with dreams of new plays
And girding his loins for certain new frays.
His cup is full; management's been kind,
(A five buck raise in his paycheck he'll find.)
Superior, even has been given new cheer -
"I'll take that boy down and buy him a beer!"

review-

by Phil Katich

SOURCEBOOK FOR PETROLEUM GEOLOGY
Memoir 5-AAPG

In 1966 the A.A.P.G. reached the half-century mark in its history. As a recognition of this important landmark the Executive Committee authorized the publication of "Sourcebook for Petroleum Geology." The compilation of the data for this book was completed in 1969 by R. H. Dott, Sr., and M. J. Reynolds.

The book consists of two parts--"Genesis of Petroleum" and "Migration and Accumulation of Petroleum." The two parts are interrelated and both deal mainly with ideas and concepts on the origin and accumulation of oil. The compilation is designed to review and evaluate the ideas inherited from the past and to point out the shortcomings of our present knowledge. It is written in a style that makes easy reading for the every-day working geologist.

This memoir is indeed a valuable contribution to the field of petroleum geology, and it will serve as a classic and practical reference for many geologists and engineers, especially the practicing petroleum geologist.

The cost of this book is \$18.00.

WILCOX BOOK - ODYSSEY NEAR FINISH

John Lancaster, 2nd vice president, has provided us with some information on the MGS publication *Wilcox Fields of Southwest Mississippi*. After a somewhat stormy voyage, *Wilcox Fields* made it into the U. S. Mail on March 4. Hopefully, its trip through the mail system was speedy and uneventful.

400 copies were printed and orders have been received and filled for 183. To date MGS has received payment of \$4,360, for 109 of the books. The total cost of the publication was somewhat over \$5,000, and payment for not too many more books will put the MGS at the break-even point.

The tremendous effort, that went into this publication was not in vain. The MGS can be proud of this book, and pleased with the returns which it will bring.

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MISSISSIPPI GEOLOGICAL SOCIETY
P. O. Box 422
Jackson, Mississippi 39205

NEWS

BULLETIN

mississippi geological society



Vol. XVII, No. 9, May, 1970

LANCASTER VS DAY FOR PRESIDENT GOLF, BARBEQUE, ELECTION – MAY 4

Election of 1970-71 officers for the Mississippi Geological Society will take place May 4, at the last scheduled meeting before summer recess. This meeting is the annual spring Barbeque following the annual spring golf tournament (see details elsewhere in this issue). Members unable to attend the Barbeque may obtain absentee ballots from Secretary Marshall Kern.

Nominating Committee Chairman Julius Ridgway and Committeemen Roy Worrell, Tom Jones, Jim Bollman, and Joe Carl offer the following nominees for 1970-71 officers.

President

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 the duties pro tempore.



Paul Day

Education: Millsaps College B. S. 1951; L. S. U., M. S. 1955
Employment: Pan American 1955-66; James B. Furrh 1966-Present
Societies: AAPG; Miss. Geol. Soc.; Entertainment Chm. 1968-69, Chm. Tectonic Map Committee.
Community Activity: Lions Club; Benton Academy, Inc., Vice President.



John S. Lancaster

Education: Texas A & M B. S. 1952; Jackson School of Law LL. B. 1965
Employment: California Co. 1952-55; Doeringsfeld, Amuedo & Ivey 1955-56; Chevron-Calco 1956-Present
Societies: AAPG; Miss. Geol. Soc. 2nd Vice President 1969-70, Publications Chairman 1965-66, Tectonic Map Committee; Miss. State Bar Assn.
Community Activity: Boy Scouts; YMCA; Elder, Trinity Presbyterian Church.

MISSISSIPPI GEOLOGICAL SOCIETY

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Charles H. Williams, Jr.
John S. Lancaster
Marshall K. Kern
Ned H. Phillips
Edward D. Minihan

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1st Vice President
2nd Vice President
Secretary
Treasurer
Past President

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William L. Lynch
Lincoln E. Warren
Joseph K. Morgan
Gordon W. Gulmon

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AAPG
GCAGS
Natchez

Chevron Oil Co.
Gulf Oil Co. U.S.
Skelly Oil Co.
Independent

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G. W. Gulmon

from the editors

A guest editorial has been extracted from a venerable but active member of the Society after gentle persuasion. His credentials are unsurpassed and his words are not to be taken lightly, so all you young'uns read and heed-

IS DAT WHAT'S BUGGIN' YOU, COUSIN?

Is your image slipping? Are other people doing your work - and getting credit for it? Do you never seem to have time to keep up with these fancy new ideas which were never a part of geology when you were in school?

Well, look at it another way.

You have professional status in one of the primary industries in the most prosperous nation in the world. And never have your services been needed more. Doubt that? Look at the decline in our country's reserves of over 1 billion barrels last year.

Your science has increased in the public regard ever since the first moon landing and since the popularization of continental drift. People ask you questions about these matters and you are in an excellent position to give authoritative answers.

Even the "Friends of Earth" are noticing your existence and that of your industry. Given your usual start into Geology, you are fundamentally a Natural Scientist and an individual dedicated to balancing use with preservation. Here's an opportunity to serve!

You may have the qualifications to belong to the largest professional earth science organization in the world, to regularly receive its journal which can help you in maintaining your professional competence, and to receive whatever of its other services may appeal to you: insurance, conventions, certification, employment help, etc. Already you are at least the indirect beneficiary of work that is done by the several major standing committees: those who need to develop knowledge are familiar with "Structure of Typical American Oil Fields," the "Gas Volumes," the "Basement Map," "Sourcebook," etc.; all who are economically dependent on the depletion allowance can thank CSD for its compelling testimony in Congress; and no organization does more to coordinate Academic, Government and Industry activities.

So keep your head high! Walk in the Sun! And if you want even more, the opportunity is yours. Remember that you are already known for being good; and when you get even better, don't hesitate to let the world know it.

The Old Timer

LETTER CONTEST WINNER

As promised in the first Bulletin issue, a \$25 prize goes to the Geology Library choice of the author of the best letter to the editor of the 1969-70 Bulletin. The name of this lucky recipient will appear on page 10 of the July Bulletin. Of course, there will be no July Bulletin, much less a page ten, but then we have received no letters so it all comes out even.

However, excellent communications with the membership has been the rule for which we are appreciative, even though they haven't been reduced to writing. Because of interest and support of Professor Dick Bowen of Mississippi Southern University in Hattiesburg, the Editors have decided to award the \$25 to the Mississippi Southern University Geology Library.

SPRING GOLF TOURNAMENT AND BARBEQUE

Ed Launius, Golf Chairman, and Clem Dazet, Entertainment Chairman, announce that the Mississippi Geological Society Annual Spring Golf Tournament and Barbeque will be held Monday, May 4. They point out that Mondays need not be a total loss and can be filled with fun and opportunity.

The Golf Tournament will be held at the Live Oak Country Club. This new course boasts as sporty an 18-hole layout as there is in the Jackson area, and should provide fun for the duffer as well as challenge for the pro. Tourney details are as follows:

Date: Monday, May 4, 1970.

Place: Live Oaks Golf Club, Highway 49 North

Time: Tee Off Time - 10:00 a.m. till 1:30 p.m.

Prizes: Many prizes for every style golfer. Trophies for 1st and 2nd low gross and 1st and 2nd low net scores.

Refreshments: Beer, etc., furnished on course.

Special events: Hole-in-one contest - Long drive contest - Putting contest

Defending champion: Mike Snouffer

Barbeque will be at Fowler's Buick Lodge north of Jackson on the Ross Barnett Reservoir (travel directions will be provided by the Clem Dazet tourguide service on request). Details are as follows:

5:00 p.m. - 6:30 p.m. - Voting at door - Refreshments

6:30 p.m. - 7:30 p.m. - Food

7:30 p.m. - 8:00 p.m. - Awarding of Golf Prizes. Announcement of Election Results.

8:00 p.m. - ??????? - Fun and Games. Refreshments as long as it lasts!

Charge - Gratis

Reservations - Call Clem Dazet, 352-8589, by Friday Noon, May 1.



MONEY MATTERS

Treasurer Ned Phillips reports that as of April 13, 1970, the Society's bank balance is \$4,737.93. Also as of this date, we owe King's Inn \$465.70 and L. L. Ridgeway \$1,427.00.

He informs us that The News Bulletin has the following approximate financial situation:

Income:		
61 Sponsorships at \$25	\$1525	
1 Sponsorship at \$50	50	
Total	\$1575	
Costs: (estimates through May)		
Printing 8 issues	\$1270.00	
Folding and mailing	320.00	
Total	\$1590.00	
Deficit	\$ - 15.00	

Again, we express the Society's appreciation to sponsors of the 1969-1970 Bulletin. Without your support, such a publication is not possible. We trust that you and your organizations have derived benefit from this venture and will respond positively for 1970-1971. Those of you who are not sponsors and who wish to be next year, please contact Buddy Twiner at Skelly Oil Company, P. O. Box 1077, Jackson, Mississippi. Phone 353-1666.

The Society's books for 1969-70 will be closed June 1, 1970, at which time a full financial report will be submitted. This report will be published in the first issue of the 1970-71 Bulletin.

Secretary

Shall assume the duties of the President in case of the temporary absence of all the other officers, except the Second Vice President. It shall be the duty of the Secretary to fully and permanently record the minutes of all the meetings of the Society and all meetings of the Board of Directors. He shall prepare and distribute by mail not later than October 15 a membership list and a list of committee assignments. It shall be his duty to prepare and keep in his possession at every meeting a copy of the Bylaws with all amendments thereto. He shall be responsible for all secretarial duties connected with affairs of the Society. He shall prepare all ballots and papers necessary to any Society election.



JOHN D. MYERS



LARRY WALTER

John D. Myers

Education: Miss. State Univ. B. S. 1951, M. S. 1956
Employment: Phillips Petroleum 1956-68; Consultant 1968-70; Placid Oil 1970-Present
Societies: AAPG; Miss. Geol. Soc.; Best Paper Award, GCAGS Conv. 1968
Community Activity: Capitol Toastmasters, Pres.

Larry Walter

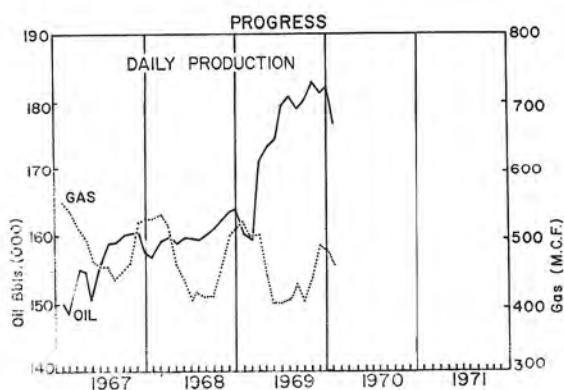
Education: Univ. of Kansas B. S. 1958, M. S. 1959
Employment: Pan American 1960-68; Skelly Oil 1968-70; Consultant 1970-Present
Societies: AAPG; Jackson Geoph. Soc.; Miss. Geol. Soc.; Miss. Petroleum Council, Speakers Bureau, API Comm. on Public Affairs, Silver Award 1965.
Community Activity: St. Luke Methodist Church

news of honorary members-

by Ed Minihan

progress-

by Jim McMullen



Daily Production:	January, 1970	177,452	Bbls.	Oil
		464,344	M.C.F.	Gas
	January, 1969	160,919	Bbls.	Oil
		523,585	M.C.F.	Gas

Box Score Discoveries January - January, 1970

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
1	0	0	0	1	0

Box Score Discoveries January - January, 1969

Eocene	U.K.	L.K.	C.V.	S.M.K.	Norphlet
2	0	0	0	2	0

Dave Harrell was born on April 19, 1904 in Burnet, Texas. He attended public schools in Austin, Texas and graduated from the University of Texas with a B. A. in Geology in 1927.

Dave and his wife Oleta were married June 15, 1929. Oleta is a Geologist also with a M. A. in Geology from the University of Texas. She too had a distinguished career.

Dave's career is as follows: From 1927 to 1929 he worked for Roxana in Oklahoma and Texas; From 1929 to 1932 he worked for Standard of New Jersey in Java and Sumatra; From 1933 to 1936 was in Argentina for Standard of New Jersey; He worked from 1937 to 1939 for Standard of Louisiana and Carter Oil Company doing surface work in Southwest Arkansas, North and South Dakota and Northeast Kansas; In 1939 he came to Jackson as District Geologist for Carter Oil Company; In 1943 he went with Sun Oil Co. as District Geologist. During this interval he made short trips to Egypt and Venezuela for Sun.



DAVE HARRELL

In 1957 Dave became a consulting Geologist in Jackson.

Dave was President of the Mississippi Geological Society for the year 1942-1943.

First Vice President

Shall assume the office of the President in case of a vacancy from any cause in that office, and shall assume the duties of the President in case of the absence or disability of the latter. He shall be at the disposal of the President for any duty necessary to the proper functioning of the Society.



NED PHILLIPS



ROBERT D. BEU

Ned Phillips

Education: Miss State Univ. B. S. 1947, M. S. 1950
Employment: Dresser Atlas
Societies: AIME; API; AGI; Miss Geol. Soc., Field Trip Committee, Publicity Chairman, Treasurer 1969-70.
Community Activity: Christ Lutheran Church; American Legion

Robert D. Beu

Education: Univ. of Kansas B. S. 1950, M. S. 1952
Employment: Chevron-Calco 1952-Present
Societies: AAPG; Jackson Geophysical Soc.; Miss. Geol. Soc. Publicity Chairman 1969-70. Editor News Bulletin; Program Committee. GCAGS 1968.
Community Activity: Christ Methodist Church; Boy Scouts

Second Vice President

Shall be responsible for the maintenance and supervision of the various publications of the Society, and he shall organize the necessary committees to properly administer the care, maintenance and revision of the publications necessary to providing current information on various subjects of geologic interest and the keeping of records.



WAYNE E. MOORE



CHARLES A. BARTON

Wayne E. Moore

Education: Univ. of Illinois B. S. 1946; Cornell University M. S. 1948, Ph. D. 1950
Employment: Assoc. Prof., Va. Polytech. Inst. 1950-56; Chevron Oil 1956-Present
Societies: GSA; Am. Assoc. Adv. Science; Paleontological Society; Am. Assoc. Strat. Paly.; Miss. Geol. Soc. Projection Committee 1967; Program Chm., SEPM, GCAGS Convention 1968; AAPG Comm. for Std. Strat. Code 1967-69.
Community Activity: Elder, Fondren Presbyterian Church; Commodore, Jackson Yacht Club 1970

Charles A. Barton

Education: Millsaps College B. S. 1949; Univ. of Illinois M. S. 1952
Employment: Continental Oil 1951-53; Skelly Oil 1953-59; Am. Southwest Corp. 1959-Present
Societies: Miss Geol. Soc. past Editor of News Bulletin, past Chmn. of Golf Tournament - four years; Chmn. GCAGS Golf Tournament 1968.

Treasurer

Shall assume the duties of the President in case of the temporary absence of both the President and 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.



JAMES W. TWINER



HARRY E. FRITZ

James W. Twiner

Education: Miss State Univ. B. S. 1960
Employment: Chevron Oil 1963-68; Skelly Oil 1968-Present
Societies: Miss. Geol. Soc.; Projectionist 1969-70, News Bulletin Staff 1969-70.

Harry E. Fritz

Education: Duquesne B. S. 1950; Univ. of Pittsburgh - Post Graduate Work
Employment: Gulf Oil Co. 1951-Present
Societies: AAPG; SEG; Jackson Geophy. Soc.; Miss. Geological Soc.

personal news-

by Dean Kebert

DOM DeMARTE has moved to Jackson as the District Geologist with Skelly Oil Company. After receiving an M. S. from Michigan State University, Dom worked with Pure Oil, Apache Oil and then joined Skelly in 1962. Dom worked with Skelly in Amarillo, Oklahoma City and Corpus Christi before coming to Jackson. He is married and has two children.

JOHN MYERS is working for Placid Oil Company. John, a native of Mississippi, received his M. S. from Mississippi State in 1956. He started his oil career with Phillips and continued with them till 1968 when he returned to Jackson as a consultant. While with Phillips, John worked principally in the Gulf Coast while living in Lafayette,

Corpus Christi, Bartlesville and Houston. John is married and has two youngsters 6 and 3 years old.

EVERETT WILSON with Amerada-Hess Petroleum has been working the past several months here in Jackson. Everett likes Jackson, but Amerada-Hess has decided to work this area from Lafayette and he will be returning there this summer when they close their office here.

GEOPHYSICAL SOCIETY PICNIC

The Jackson Geophysical Society announces its annual outing will be held May 22 at Shady Oaks County Club. The Golf Tournament registration will be from 10 a.m. to 1 p.m. and the cost will be green fees. The Picnic begins at 4 p.m. The cost of \$2.75 per adult and \$1.50 per child includes dinner, entertainment, beer, prizes, bingo, etc. Contact John McComas at 366-1645 or Harry Fritz 354-5221 for tickets.

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