

# NEWS

# BULLETIN

mississippi geological society



VOLUME X  
Number 8

JUNE, 1963

## SKEES, OXLEY, GIFFORD, AND KARGES TAKE REINS OF SOCIETY

The booming events of Tuesday night, May 28, at Costa's Lodge are quietly fading into history now, and the excellent institution of the Beer Bust will have to remain dormant for another year. In spite of the distractions of that evening, the Society did manage to elect a slate of officers for the coming year. These new officers are Bill Skees, Pan Am, President; Marvin Oxley, Lone Star, Vice-President; Don Gifford, Marr Co., Secretary; Harold Karges, Independent, Treasurer. Your help in various Society activities will be greatly appreciated.

## EDUCATIONAL PROGRAM

The Executive Committee has committed the Society's support for the previously mentioned Sandstone Seminar. Tentative date for the program is November 14-15-16. Approximately 50 people expressed interest in the program, and most of these also indicated interest in a Carbonate Seminar which may be organized if the Sandstone Seminar is successful. Final arrangements are yet to be made by a committee consisting of the following: Ron Ohnoutka, Chairman, Pan Am; Ernie Lambert, Marathon; Bill Frew, Conoco; Don Hugus, Independent.

## REDBOOK SUPPLEMENT

The forthcoming edition of the "Red Book" - Vol. II, is in a fairly advanced stage of preparation. A total of 59 new fields will be included in the new book which will be a snap-ring binder thus allowing new fields to be added as necessary. The format of the book will be essentially the same as Vol. I except that type logs will be included. At this time 42 field maps have been turned in, 10 are being prepared, and 7 are still unassigned. A publication date of September 1st is the target. The price of the book has not been established but will probably vary somewhere between \$10.00 and \$12.00, depending on pre- or post-publication orders. Pre-publication order blanks will be available soon.

Tentative cost estimates for the book are as follows:

Printing	- \$2,000.00 plus sales tax
Binder	- 2,500.00 - \$2,800.00 plus sales tax
Drafting	- 1,000.00
Typing	- 500.00
Sales Tax on sale of each book	40¢ - 50¢, absorbed by Society (you will note the double taxation)
Mailing Cost	approximately 40¢ - 50¢ each book
Estimated Total Cost	- \$6,000.00 plus \$1.00 per volume

Several methods of arranging payments and financing the various expenses are being worked out and it is hoped that it will be unnecessary for the Society to borrow money. In view of the current financial situation this may be difficult, to say the least.

If anyone wishes to volunteer to do one of the following-listed fields or to contribute free drafting, please contact Ernie Lambert at FL 3-4767 or Dave Davis at FL 4-1507.

East Glading  
Knoxo  
Kokomo

Little Springs  
Northeast Sharon  
West Langsdale

NOMENCLATURE COMMITTEE

The Nomenclature Committee recommends that the name

FRANKLIN FIELD

be given to the new producing area recently discovered by the drilling of the Hughes & New Oil Company #2 Davis et al Well, located in Section 6, Township 5 North, Range 1 East, Franklin County, Mississippi.

Completion information filed with the Mississippi State Oil and Gas Board is as follows:

Completed April 22, 1963. Flowing at the rate of 125 BOPD plus 32 barrels water through 13/64" choke. 40°API gravity. GOR 100:1. TP 105#. CP 220#. From perforations 6203 to 6204 $\frac{1}{2}$  feet in the Wilcox formation.

The Nomenclature Committee recommends that the name

WEST CARTHAGE POINT FIELD

be given to the new producing area recently discovered by the drilling of the Callon Petroleum Company #1 G. W. Armstrong CP-D well, located in Section 2, Township 6 North, Range 4 West, Adams County, Mississippi.

Completion information filed with the Mississippi State Oil and Gas Board is as follows:

Completed April 21, 1963, flowing at the rate of 106 BOPD, no water, through 10/64" choke. API Gravity 46.5°. GOR 460:1. TP 340#. From perforations 5976-5981 $\frac{1}{2}$  feet in the Wilcox formation.

POLICY REGARDING U. S. EMPLOYMENT SERVICE

Copies of the following letter have been sent to AAPG affiliated societies, Congressmen, and Colleges in Louisiana, Tennessee, Mississippi and Alabama:

Gentlemen:

"A recent trend in the employment of college graduates has caused alarm on the part of university and business officials. The reason for this concern is that the United States Employment Service is attempting to take over the placement activities on the college campus."<sup>1</sup> There is now under way an effort by the United States Employment Service, Department of Labor, to assign USES representatives to college campuses where they will attempt to centralize the college interviewing, counseling, and placement activities. Representatives already have been stationed on a number of campuses. Plans formulated by USES envision a central master agency where electronic data computers would attempt to match, by statistical means, job applicants with job openings. Presumably this would mean that this government agency could and would assign individual Americans to jobs, regardless of the mutual interests of the employee and employer.

The Mississippi Geological Society believes this is a totally unnecessary invasion of functions now being conducted satisfactorily by the colleges and universities. It not only will duplicate these functions at considerable expense to the taxpayers (the 1963-64 Federal Budget includes an appropriation of \$7,000,000.00 for this program), but will further serve to create employment conditions that will be totally disadvantageous to all parties. It could easily lead to complete manpower control by Washington, along with complete dictation of wages, hours, and working conditions.

Therefore: The Mississippi Geological Society opposes USES intervention in the college placement field because:

1. There is unnecessary invasion of the college placement field which presently is being handled by the college placement officials. At the present time, there are 1,085 accredited

<sup>1</sup> "U. S. Employment Service Moves in on Colleges," Nations Business, June, 1962.

four-year degree granting institutions of higher education. Of the foregoing, 853 have formalized placement activity. The remaining 232 accredited institutions are so limited in enrollment or specific as to career preparation (theological seminaries, music or art institutes, etc.) that formal placement programs are infrequently necessitated.

- 2. The program requires unnecessary expenditure of tax monies.
- 3. Employment is a personal function between two parties. Personal characteristics cannot satisfactorily be programmed into an electronic computer.

Very truly yours,

MISSISSIPPI GEOLOGICAL SOCIETY

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The following letter was also sent out in order to determine the feelings of local candidates on certain issues of interest to the petroleum industry:

Mr. J. P. Coleman  
 Lieutenant Governor Paul B. Johnson  
 Mr. Robert Mason  
 Mr. Rubel Phillips  
 Mr. Charles L. Sullivan

Dear Sir:

The Mississippi Geological Society has received various communications concerning the forthcoming elections, some requesting permission to speak to the entire membership, others requesting the Society to take a stand on various issues.

The Executive Committee does not believe it desirable to arrange for candidates to present their ideas personally to the membership at large. However, if you will be so kind as to make known to us your position on the following items prior to July 15, 1963, we will in turn place this information before the Society members. If you do not care to state your position, it will be so noted.

The majority of the Society members are affiliated with the Petroleum industry, which in turn is affected by future actions of elected candidates. Therefore, we are concerned primarily with the following problems:

- 1. Broader spacing, i.e., 640 acre spacing for gas and 80 acres for oil.
- 2. Unitization
- 3. Taxation
- 4. Use of Mississippi products in Mississippi facilities, i.e., (1) new refineries using local crude and local highway projects using local raw products.

Very truly yours,

MISSISSIPPI GEOLOGICAL SOCIETY



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GULF COAST RESEARCH LABORATORY SUMMER SESSIONS

The Gulf Coast Research Laboratory, Ocean Springs, Mississippi, under the Directorship of Gordon Gunter, offers the following courses during this summer's Session:

- Marine Invertebrate Zoology. . . . . June 3 - July 12
- Introduction to Marine Biology . . . . . June 10- July 5
- Introduction to Marine Botany. . . . . June 10- July 5
- Physical Marine Geology . . . . . July 15- August 3
- Marine Vertebrate Zoology and Ichthyology.** . July 15- August 23
- Chemical Marine Geology. . . . . August 5 - August 24
- Problems in Zoology . . . . . Whole summer

Courses range from 3 to 6 semester hours, and are intended for advanced undergraduate or graduate students. Fees are \$6.00 per semester hour for Mississippi students, and \$12.00 per semester hour for out-of-state students. Arrangements can be made for room and board at the Laboratory at least one week in advance of attendance.

MISSISSIPPI GEOLOGICAL SURVEY

The Board of the Mississippi Geological Survey has authorized the Director to conduct a geologic research paper contest for 1963. This was authorized by the Board after careful consideration because of the success of last year's contest which resulted in publication of Bulletin 97, "Mississippi Geologic Research Papers - 1962."

A first prize of \$500 will be awarded, second prize is \$250, and third prize is \$100. The contest is open to graduate geologists and papers may deal with any subject involving Mississippi geology, with particular emphasis on economics.

Application must be made prior to September 1, 1963, and papers must be submitted by the applicant prior to January 1, 1964. For application form and details, address:

The Director  
Mississippi Geological Survey  
P. O. Box 4915  
Jackson 6, Mississippi

Two new Bulletins have been published by the Survey. Bulletin 95, "Jasper County Mineral Resources" discusses the surface and subsurface geology and the variety of mineral resources in the county. The Bulletin was prepared by Dr. David A. DeVries, with assistance from William Moore on deep formations, Marshall Kern on water resources, H. M. Morse on oil and gas production, and a short stratigraphic note by Dr. Grover Murray. The Bulletin is 100 pages long with 20 figures and 8 plates at a cost of \$1.00.

Bulletin 99, "Attala County Mineral Resources" was prepared by William Parks, assisted by T. E. McCutcheon on ceramic materials, William Moore on surface geology and deep wells, and B. E. Wasson on water resources. The Bulletin is 191 pages long and costs \$1.00.

A NOTE OF GRATITUDE

The Editor wishes to take this opportunity on behalf of the Society to extend thanks to Woody Bossemeyer and Neely Blue Print and Supply Company for their generous assistance in circulating the News Bulletin.

News Bulletin  
Mississippi Geological Society  
P. O. Box 689  
Jackson, Mississippi



Mr. Donald C. Gifford  
Marr Company  
1215 Petr. Bldg.  
Jackson, Mississippi

# NEWS

# BULLETIN

mississippi geological society



VOLUME XI  
Number 1

SEPTEMBER, 1963

### M G S   E X E C U T I V E   C O M M I T T E E

President . . . . .	W. A. Skees . . . . .	Pan American Petr. Corp.
Vice President . . . . .	M. L. Oxley . . . . .	Lone Star Prod. Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
Treasurer . . . . .	H. E. Karges . . . . .	Independent Geologist
Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

### 1 9 6 3 - 6 4   C O M M I T T E E   C H A I R M E N

Program . . . . .	R. H. (Sam) Swanson . . . . .	Sinclair Oil & Gas Co.
Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
Publications . . . . .	Graham Hughes . . . . .	Sinclair Oil & Gas Co.
Nomenclature . . . . .	W. E. (Gene) Taylor . . . . .	Union Producing Co.
Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
News Bulletin . . . . .	John Drobnik . . . . .	Pan American Petr. Corp.
Projection . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Cores & Samples . . . . .	W. H. (Bill) Moore . . . . .	Miss. Geological Survey
Boy Scouts . . . . .	R. L. (Bob) Nelson . . . . .	Pan American Petr. Corp.
Red Book Supplement)	Dave Davis . . . . .	Continental Oil Co.
Co-Editors)	Ernie Lambert . . . . .	Marathon Oil Co.
Library . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Insurance . . . . .	E. G. Jeffreys . . . . .	Independent Geologist
Advisory . . . . .	J. G. Goodwin . . . . .	Texaco
Projects . . . . .	Marvin Oxley . . . . .	Lone Star Prod. Co.
Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
AAPG District Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
Term Expires 1965 . . . . .	Dave Davis . . . . .	Continental Oil Co.
Term Expires 1965 . . . . .	Jim Bollman . . . . .	Larue-Smith Prod. Co.

### S E P T E M B E R   M O N T H L Y   M E E T I N G

#### SANDSTONES: THEIR STRATIGRAPHIC AND STRUCTURAL RELATIONSHIPS

by

R. H. (Sam) Swanson, District Geologist  
Sinclair Oil & Gas Co., Jackson, Mississippi

"The analysis of the petrographic character of sandstones and associated lithic suites provides a method of determining the location and types of traps to be formed in a given province."



Stone Expert

ON:	Monday, September 16
AT:	Sun-N-Sand Motel
TIME:	Happy Hour 5:00 P.M. - Dinner 6:30 P.M. (\$3.00)
	Business Meeting and Speaker 7:30 P.M.

For Reservations, notify Bob Jacobs, 354-1671, by 9:00 A.M., Monday, September 16

LETTER FROM THE PRESIDENT

Much interest in our educational program has been forthcoming from our members, in addition to that shown by interested parties in other societies. The support of the membership appears to have generally surpassed that of Management! Requests for \$200.00 contributions were made to 16 major oil companies which operate in the Jackson area, three companies contributed to our cause while a fourth gave a qualified response (Marathon, Cities Service, Pan American, and Union Producing). Four companies rejected the idea, stating that their funds could be better spent elsewhere. The remainder having given no indication of interest, we must conclude by their lack of response that their reaction is negative.

Management is generally not shortsighted when it comes to employees improving themselves. It makes you wonder how far a request of this nature goes. It's so much easier to do nothing than it is to take a positive step.

In contrast to the major companies, it is refreshing to know that over \$1,000.00 were pledged by the Independents of our local area. If the program is ever put over, we can say they "carried us."

Very truly yours,

W. A. Skees

TREASURER'S REPORT

September 1, 1963

Treasurer's Report  
Mississippi Geological Society  
August 1 to September 1, 1963

On hand August 1, 1963

Checking Account	\$ 493.04
Savings Account	2,411.26

INCOME AND EXPENSE STATEMENT

<u>Administrative</u>	<u>INCOME</u>	<u>EXPENSES</u>
Dues	\$ 198.00	
Executive Council Meeting		11.08
Mailing addressed envelopes to G.C.A.G.S.		7.00
Stamps		6.00
Bank Exchange and Service Charges		1.31
 <u>Meetings</u>		
Costas Club Gate Lock		2.50
 <u>Publications</u>		
Sales	156.25	
Drafting for Red Book Supplement		8.75
	\$ 354.25	\$ 36.64

On hand September 1, 1963

Checking Account	\$ 810.56*
Savings Account (\$51.24 interest for 6 months)	2,462.50

Paid Membership 1963-1964 as of September 1, 1963.....207

H. E. KARGES, TREASURER  
Mississippi Geological Society

\* Educational Fund Balance \$425.00

EDUCATIONAL PROGRAM

The last issue of the News Bulletin carried the announcement that the Sandstone Seminar would be held on November 14, 15 and 16. Since that time, three events have taken place, causing a postponement of this program until the Spring of 1964. These events are:

1. Publication of our "Red Book" Vol. II at an approximate cost of \$5500.00
2. Tentative arrangements had been made with Dr. Feray to conduct our program. By the time the membership had evidenced its interest in the program by means of the Bulletin "tear sheet" and the results evaluated, it was Dr. Feray's opinion that sufficient time was not available for the preparation of his lecture material.
3. Poor response by the major companies to our financial request.

Because of the poor support offered by the major companies, in addition to the expenditures necessary to publish and mail our "Red Book" Vol. II, the Executive Committee postponed the Sandstone Seminar until early Spring, when our financial situation should be improved.

MISSISSIPPI GEOLOGICAL SURVEY

The Mississippi Geological Research Paper Contest for 1963 has as deadline for application October 1 and for filing of papers December 31. Sponsors to date are: International Paper Company, Gulf Oil Corporation, Crown Zellerbach Corp., Texaco, Inc., Triad Oil Company, Mississippi Power & Light Company, Shell Oil Company and Mississippi Industrial and Technological Research Commission. Additional sponsors will be welcome. Present indications are that there will be much greater participation in the contest this year than last. Last year's contest resulted in publication of the Survey's Bulletin 97, "Mississippi Geologic Research Papers-1962," which is available from the Survey, P. O. Box 4915, at \$1.00 per copy. Particulars on the contest and application forms are also available from this address.

A new list of publications is free on application.

There has been a large demand for Bulletin 95, "Jasper County Mineral Resources" priced at \$1.00 and for Bulletin 99, "Attala County Mineral Resources," priced at \$2.00.

The Survey Board has authorized publication of two Bulletins scheduled for early release. Bulletin 100 is scheduled for November and is entitled "The Mississippi Geological Survey-A Centennial." Bulletin 101, scheduled for December, is entitled, "An Investigation of Mississippi Iron Ores."

An investigation of the geology and mineral resources of Hinds and Rankin Counties is underway. Many companies and individuals have been furnishing core hole logs and other useful information for this work. The Survey appreciates this valuable cooperation and is anxious to receive additional data from others.

Through the courtesy of Mr. Kendall A. Dickinson, a copy of his dissertation "The Upper Jurassic Stratigraphy of Mississippi and Southwestern Alabama," is in the Survey's open files. This should be of special interest to Mississippi petroleum geologists because of the current Smackover "play." The Survey Library has been enriched, too, by the gift of Mr. Thomas F. Torries of a copy of his thesis "Geology of Northeast Quarter of the West Point, Mississippi, Quadrangle and Related Bentonites."

The Survey is interested in purchase or the donation of equipment for determination of porosity and permeability of rock samples. The ultimate use of many industrial materials are determined by their physical characteristics; in some cases porosity and permeability are critical.

The staff of the Survey will again participate in the Mississippi Academy of Sciences-National Science Foundation's High School Visitation Program. As last year, the theme will be "Mississippi Mineral Resources." Last year the talks were given to 2,826 High School students in 18 schools over the State.

The Survey plans to core, at an early date, the type section of the Yazoo clay and to make a complete determination of its stratigraphy, fauna and physical properties. The hole, approximately 200' in depth, will recover lower Shubuta clay, the Pachuta marl equivalent, the North Twistwood Creek clay, the Moodys Branch marl, and the top of the Cockfield. The work is proposed, in part, in cooperation with independent research studies being made within our State colleges.

PUBLICATION ANNOUNCEMENT

The Mississippi Geological Society announces the forthcoming publication of "Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama - Vol. II". This publication consists of field maps, type logs, brief discussion, and listing of reservoir data for approximately fifty-five (55) oil and/or gas fields. Vol. II is similar to the highly-regarded Vol. I, published in 1957, and includes those fields discovered since 1957, as well as some of the older fields which have experienced considerable development since that time.

The new publication will be in three ring, loose-leaf binder. The reason for this is that in the immediate future the Mississippi Geological Society plans to publish and sell at low cost addenda to Vol. II. These addenda, which will be issued periodically, will consist of one or two sheets and will be three types.

- a. New fields as they are developed.
- b. Maps on deeper horizons of fields that have only shallow maps in Vols. I and II.
- c. Revised maps of fields which undergo considerable new development.

The following may be used as a clip out order blank. Please enclose check or money order.

- 
- Vol. I of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$ 7.50
  - "Package Deal" - Vol. II and Vol. I (regular price \$12.50) of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$ 15.00
  - Vol. II of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$ 10.00
  - Please place my name on the automatic distribution list for the addenda. I understand that the first five will be free and that I will be billed for succeeding ones. I further realize that I may cancel this order at any time. \$ 2.50  
for groups  
of 5

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_  
(type or print plainly)

Enclose check or money order and mail to Mississippi Geological Society, Box 689, Jackson, Mississippi.

Mississippi Geological Society News Bulletin  
P. O. Box 689  
Jackson, Mississippi



Mr. Marlin L. Roberts  
Marr Co.  
1215 Petroleum Bldg.  
Jackson, Mississippi



# NEWS

# BULLETIN

mississippi geological society



VOLUME XI  
Number 2

OCTOBER, 1963

### M G S   E X E C U T I V E   C O M M I T T E E

President . . . . .	W. A. Skees . . . . .	Pan American Petr. Corp.
Vice President . . . . .	M. L. Oxley . . . . .	Lone Star Prod. Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
Treasurer . . . . .	H. E. Karges . . . . .	Independent Geologist
Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

### 1 9 6 3 - 6 4   C O M M I T T E E   C H A I R M E N

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G.C.A.G.S. Associate Editor . . . . .	Bob Violette . . . . .	Pan American Petr. Corp.

### O C T O B E R   M O N T H L Y   M E E T I N G

#### MISSISSIPPI GEOLOGICAL SURVEY - CURRENT PROJECTS

- Marshall Kern - Core hole in the type section of the Yazoo Clay at Yazoo City (2)
- Bill Parks - - Caves in Quartzite, Attala County (1)
- Bill Moore - - Fibrous Quartz from Attala County The Smackover of Mississippi (3)



ON - MONDAY, OCTOBER 7

AT - FORUM ROOM, Basement of MILLSAPS COLLEGE LIBRARY

TIME - 7:30 P.M.

PRESIDENT'S LETTER

The Executive Committee is considering a proposal to make increased use of speakers from outside the local area at some of our future meetings. The prospect of inviting such people is an attractive one, and would allow us to draw upon a much broader area of experience than is currently possible. However, there are also difficulties which must be cleared up before this program can proceed. The chief difficulty is financial. When a man is invited to travel to Jackson to speak, he will naturally incur expenses for his travel, meals, and lodging. In order not to discourage an outside speaker, the society should be in a position to pay a reasonable amount of his expenses. We urge you to support the motion introduced at the last meeting which will assess each member two dollars to provide for the expense fund.

Last spring each of the Mississippi Gubernatorial candidates was questioned concerning his attitudes toward certain areas of interest to the geological profession. To date, the only reply received came from Rubel Phillips on July 30. Mr. Phillips stated:

"I appreciate very much your letter of June 12 and I apologize to you for being so late in replying. The four questions which you pose in your letter will be specifically covered in my platform which will be released immediately following the democrat primaries. I hope you will appreciate the fact that I do not wish to announce my platform at this time.

About the time the platform will be released I will be happy to reply specifically to each question that you have asked."

W. A. SKEES, PRESIDENT

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MOTION PENDING

The following motion was introduced at the September meeting of the Society. It was tabled until the October meeting pending publication in the "News Bulletin."

"It is moved that the sum of two dollars be assessed each member of the Society to provide for a fund to bring speakers to our meetings from out-of-state."

The motion will be put to a vote during the October meeting.

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MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING

September 16, 1963

The first meeting of the Mississippi Geological Society for the year 1963-64 was held on Monday, September 16, 1963 at the Sun and Sand Motel. Sixty-two members were present when the meeting was called to order at 7:25 P.M. by Vice President, M. Oxley,

Mr. Oxley made the following announcements:

(1) The Red Book Supplement, Vol. II, will be published and ready for sale November 1, 1963.

(2) The GCAGS Convention will be held in Shreveport October 30, 31 and November 1. The following three names will be submitted to the chairman of the Judging Committee to serve as judges of the papers presented: Mr. Dave Harrell, Mr. Ed Launius, and Mr. W. K. Denham.

(3) Mr. Jack Goodwin, Chairman of the Advisory Committee, investigated the status of the Mississippi Geological Society with regard to incorporation and Federal Internal Revenue Taxation. As a result of this investigation, it was concluded that incorporation offers no significant advantage to our organization. Therefore, no changes will be made in the status of the society.

(4) The Sandstone Seminar program has been deferred until Spring of 1964. The response to our proposed education program has been poor from the major oil companies operating in the area. The five companies who have contributed to our cause are Marathon, Cities Service, Pan Am, Union Producing Co., and Southwest Gas. It is hoped that in the near future other companies will give their consideration toward a contribution.

Minutes Continued -

- (5) Mr. Oxley requested any announcements from committee chairmen:  
Program Chairman: Mr. R. H. Swanson needs volunteers for speakers before the society.  
Library Committee Chairman: Mr. L. D. Robbins reported that the library has been moved from Oxford, Miss. to the Miss. Sample Lab on North West Street.

In the order of old business, Mr. Oxley last year made a motion to amend the By-Laws of the Mississippi Geological Society, referring to Section II, standing committees be amended by the addition of:

I. Academic Committee

"I. The Academic Committee shall serve as a liaison between the Society and the geology departments of the colleges and universities of this State. The exact purpose of this liaison shall be to promote interest in the field of petroleum geology and encourage the writing of articles, papers, and theses related to that field in the State of Mississippi. This end shall be accomplished through scholarship loans, thesis grants, summer job placements, and any other means available to the Committee.

The Committee shall also supervise all geologic projects, articles, and papers undertaken by the Society. The Chairman of the Academic Committee shall be the Vice-President of the Society."

The amendment was voted on and approved with a vote of 36 to 4.

Mr. Oxley also last year made the following motion:

"The Mississippi Geological Society shall establish a system of grants for any Masters or Doctoral Thesis directly related to the field of petroleum geology in the State of Mississippi. These grants shall meet the following requirements:

- (1) Shall be given on approval of the Executive Committee following written application of the student.
- (2) Shall not exceed \$200 in value.
- (3) Shall be applied directly to the thesis on items such as materials or research.
- (4) An attempt to secure publication rights from each applicant shall be made prior to administering the grant."

Mr. Wayne Moore made a motion to change Item 4 to read as follows: "No grants shall be made where the right to publish is restricted." This amendment was voted on and approved 36 to 4.

Mr. Oxley made a motion before the Floor that a \$2 assessment per member be made for a fund to be used to bring speaking talent to the Society meetings from out-of-State. The motion was seconded by Mr. Swanson and tabled.

The Jackson Geophysical Society will have its first meeting September 23, 1963. Mr. Kim of Pan Am will speak on Velocity Logs.

The Jackson Formation Evaluation Society will have its first meeting September 24 at Primos Restaurant No. 3. Mr. A. H. Youmans, Lanes-Wells Research, will speak on the Nuclear Oil Detector.

Mr. R. H. Swanson, District Geologist for Sinclair Oil & Gas Company, presented his talk on sandstones and their associated lithic <sup>sweets</sup> in relationship to their environment and type of traps in a given province. Following his talk, Mr. Oxley adjourned the meeting at 9:30 P.M.

D. C. Gifford, Secretary

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G C A G S MEETING

This year's meeting of the Gulf Coast Association of Geological Societies will take place at the Captain Shreve Hotel in Shreveport, La., from October 30 through November 1. Two members of the Mississippi Geological Society, Ron Ohnoutka of Pan Am, and Sankey Blanton of Sun, will present papers during the meeting. Abstracts of these two papers appear below.

BIRTH AND DEATH OF AN OFFSHORE BAR

Sankey L. Blanton, Jr., Sun Oil Company

ABSTRACT

The coast of Southeastern North Carolina is protected by a system of long, narrow sand islands. These islands are very stable geographically, despite very recent submergence. Partially buried forests indicate that the islands have been maintained by the sea. They are thought to have been either a maintained submerged Pleistocene beach ridge or to have been generated seaward by excessive bottom sediments and severe storms. There is considerable evidence that not only did they originate seaward from the mainland, but that the present mainland is an abandoned offshore bar. This creates a paradox of regressive sediments in a transgressive sea.

RECENT AND ANCIENT BEACH AND BAR DEPOSITS

Ronald C. Ohnoutka, Pan American Petroleum Corp.

ABSTRACT

Over the years, a great amount of thought and a large number of papers have dealt with finding stratigraphic traps. Various schemes and systems have been devised. The broad purpose of this paper is to present a unified picture of one of these methods -- the environmental method.

The approach of the method is to study recent beach and bar desopits along the Gulf Coast from the Rio Grande to Mobile Bay. These deposits present an interesting regional depositional history, when considering the basis for the method -- the Doctrine of Uniformitarianism. This doctrine simply says that we can go out today, see sediments being deposited, and know that sedimentary rocks have always formed in the same ways.

Generally, there is no hesitation in applying the doctrine, However, direct comparisons of the recent to the past can be dangerous if the conditions at the present are not well understood. The physical and chemical processes responsible for sedimentation change very little, but unlike the processes themselves, the conditions prevailing upon the earth's surface are variable. An excellent example is the Rio Grande River which no longer is building its delta seaward simply because very little sediment is being supplied to the basin of deposition. On the other hand, the opposite is true in the Mississippi River Delta area. The Mississippi River is supplying an abundance of sediment to the basin of deposition.

Balanced against the sediment supply that rivers bring to a basin of deposition is the amount of energy (waves, longshore currents, and tidal currents) available to do work in sorting and transporting it. Furthermore, the balance between supply of sediment and available energy in certain environments can easily be upset by relatively minor changes in one or other. Changes in balance result in situations which are of sedimentational and stratigraphic interest to us in terms of transgression and regression.

Utilizing the Gulf Coast as a model, it can be noted that it is possible for transgression and regression to occur simultaneously in nearby areas. Since the two do occur simultaneously, it is clear that transgression cannot be related simply to rise in sea level, nor regression to fall.

Considering these important environmental factors observed in the recent, a comparison, though not direct, can be made to regressive and transgressive beach and bar deposits in the ancient sequence of rocks in central Utah and southwestern Colorado.

NEW PUBLICATION FROM SHREVEPORT GEOLOGICAL SOCIETY

The Shreveport Geological Society announces publication of Volume 5 of its reference series on oil and gas fields, entitled "Report on Selected North Louisiana and South Arkansas Oil and Gas Fields and Regional Geology." This volume contains five regional papers and 18 field papers with 202 pages and 87 illustrations.

Regional papers are:

Producing Horizons of North Louisiana Oil and Gas Fields  
Correlation Chart of Upper Cotton Valley Sands  
A Subsurface Study of the Pine Island Formation of North Central Louisiana  
Cretaceous Stratigraphy and Structural Development of the Sabine Uplift  
Area, Texas and Louisiana  
Stratigraphy of the Upper Cretaceous Tokio Formation, Caddo Parish, Louisiana

Field papers include:

Bear Creek-Bryceland, Cheniere, Colgrade, East Vivian, Mira, Miller's Bluff, Simpson Lake, Kelly Bayou, Lick Creek, Lismore Landing, Lucky, Milestone Forks, Pendleton-Many-Fort Jesup, Ross Bayou, Shreveport, Simsboro, Terryville, and Wallace Lake.

Volume 5 can be obtained by sending a check or money order for \$7.00 per copy to the Shreveport Geological Society, P. O. Box 750, Shreveport, Louisiana.

BLOODBANK RECORD

Members who are willing and able to donate blood in emergency situations are urged to report their blood type to the secretary of the Mississippi Geological Society. A recent case involving the need for an unusual blood type pointed up the necessity of updating our records. Three former members were on record as having the proper blood type, but all three had been transferred. In order to help avoid a similar difficulty in the future, notify Don Gifford, FL 2-0702.

TREASURER'S REPORT

September 1 to October 1, 1963

On Hand September 1, 1963

Checking Account	\$ 810.65
Savings Account	2,462.50

INCOME AND EXPENSE STATEMENT

	<u>INCOME</u>	<u>EXPENSES</u>
<u>Administrative</u>		
Dues	\$ 156.00	
<u>Meetings</u>		
Dinner & Refreshments - September Meeting	3.00	\$ 61.70
<u>Newsletter</u>		
Printing and Mailing September Bulletin		40.48
<u>Publications</u>		
Sales	550.95*	
Drafting for Red Book Supplement		52.50
Reproduction for Red Book Supplement		20.50
Typing for Red Book Supplement		85.00
Typewriter Rental for above		23.50
	<u>709.95</u>	<u>283.68</u>

On Hand October 1, 1963

Checking Account	\$1,236.92
Savings Account	2,462.50

Paid Membership 1963-1964 as of October 1, 1963..... 259

H. E. KARGES, TREASURER  
Mississippi Geological Society

\* Advance orders on Mesozoic-Paleozoic Volume II

PUBLICATION ANNOUNCEMENT

The Mississippi Geological Society announces the forthcoming publication of "Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama - Vol. II." This publication consists of field maps, type logs, brief discussion, and listing of reservoir data for approximately fifty-five (55) oil and/or gas fields. Vol. II is similar to the highly-regarded Vol. I, published in 1957, and includes those fields discovered since 1957, as well as some of the older fields which have experienced considerable development since that time.

The new publication will be in three ring, loose-leaf binders. The reason for this is that in the immediate future the Mississippi Geological Society plans to publish and sell at low cost addenda to Vol. II. These addenda, which will be issued periodically, will consist of one or two sheets and will be of three types.

- a. New fields as they are developed.
- b. Maps on deeper horizons of fields that have only shallow maps in Vols. I and II.
- c. Revised maps of fields which undergo considerable new development.

The following may be used as a clip out order blank. Please enclose check or money order.

- 
- Vol. I of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama. \$ 7.50
  - "Package Deal" - Vol. II and Vol. I (regular price \$12.50) of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$15.00
  - Vol. II of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$10.00
  - Please place my name on the automatic distribution list for the addenda. I understand that the first five will be free and that I will be billed for succeeding ones. I further realize that I may cancel this order at any time. \$ 2.50  
for groups  
of 5

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_  
(type or print plainly)

Enclose check or money order and mail to Mississippi Geological Society, Box 1490, Jackson, Mississippi

Mississippi Geological Society News Bulletin  
P. O. Box 689  
Jackson, Mississippi



Mr. Donald C. Gifford  
Marr Company  
1215 Petr. Bldg.  
Jackson, Mississippi

# NEWS

# BULLETIN



mississippi geological society

VOLUME XI  
Number 3

NOVEMBER, 1963

### M G S   E X E C U T I V E   C O M M I T T E E

President . . . . .	W. A. Skees . . . . .	Pan American Petr. Corp.
Vice President . . . . .	M. L. Oxley . . . . .	Lone Star Prod. Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
Treasurer . . . . .	H. E. Karges . . . . .	Independent Geologist
Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

### 1 9 6 3 - 6 4   C O M M I T T E E   C H A I R M E N

Program . . . . .	R. H. (Sam) Swanson . . . . .	Sinclair Oil & Gas Co.
Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
Publications . . . . .	Graham Hughes . . . . .	Sinclair Oil & Gas Co.
Nomenclature . . . . .	W. E. (Gene) Taylor . . . . .	Union Producing Co.
Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
News Bulletin . . . . .	John Drobynyk . . . . .	Pan American Petr. Corp.
Projection . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Cores & Samples . . . . .	W. H. (Bill) Moore . . . . .	Miss. Geological Survey
Boy Scouts . . . . .	R. L. (Bob) Nelson . . . . .	Pan American Petr. Corp.
Red Book Supplement)	Dave Davis . . . . .	Continental Oil Co.
Co-Editors)	Ernie Lambert . . . . .	Marathon Oil Co.
Library . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Insurance . . . . .	E. G. Jeffreys . . . . .	Independent Geologist
Advisory . . . . .	J. G. Goodwin . . . . .	Texaco
Projects . . . . .	Marvin Oxley . . . . .	Lone Star Prod. Co.
Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
AAPG District Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
Term Expires 1965 . . . . .	Dave Davis . . . . .	Continental Oil Co.
Term Expires 1965 . . . . .	Jim Bollman . . . . .	Larue-Smith Prod. Co.
G.C.A.G.S. Associate Editor . . . . .	Bob Violette . . . . .	Pan American Petr. Corp.

### N O V E M B E R   M O N T H L Y   M E E T I N G

#### THE SMACKOVER FORMATION OF EAST TEXAS

Robert Vernon Peppard  
President, Geomap Company, Dallas, Texas  
(See Abstract, Page 3)

On: Monday, November 11

At: Millsaps College, Sullivan-Harrell Hall  
Room 132 (Old Meeting Place)

Time: 7:00 P.M.



PRESIDENT'S LETTER

A meeting held October 16, 1963, at the Heidelberg Hotel was attended by representatives from the State Survey and most of the companies operating in the State. The purpose of this meeting was to discuss possible solutions to the current problems of the Sample Cut. A solution was arrived at, and it remains to be seen as to how many companies will contribute \$65.00 per month so that Mr. McNeely can continue to function. To date, 6 of 30 companies have replied, with 4 affirmative answers.

For those who do not realize it, there are only two principal ways to obtain samples on key wildcats of interest:

1. If Trowbridge runs the samples for a customer, then those samples may be available to only his other customers.
2. The other principal way is to borrow the samples of interest from the State Library or from a member of the Sample Cut. In either case, someone had to make the effort to have those samples preserved!

It may come as a surprise to some as to how few people are willing to support the saving of this basic data and yet are not in the least hesitant to borrow from those who have saved. It is a bit like the story of the squirrel who wasn't interested in saving nuts for the winter.

During the discussion at this meeting, it was brought out that 163 wildcats had been drilled so far this year, but samples of only 63 had passed through the Sample Cut. I am positive that many of the approximately 100 missing wells were Wilcox tests, but undoubtedly some important wells were lost - wells that some day may be most important to a stratigraphic problem.

If samples are ever to be of value, it will be because a geologist has put them to use. Doesn't it make sense then for the Geological Societies to take action to cause preservation of this basic data? Should our Society initiate legislation that would: (1) force operators to save samples and cores, and (2) provide funds for the State Survey so that adequate cutting and washing facilities could be added?

At various times past, there has been discussion as to whether our Society should be incorporated or not, and each time a limited investigation has been made, with the conclusion being that it was not necessary. At the recent 13th Annual G.C.A.G.S. Convention at Shreveport, during an executive meeting, the subject was discussed in full. The A.A.P.G. executive body has made a very thorough study, and the gist of it all was presented to the G.C.A.G.S. Executive Committee for consideration. It boils down to this. In its simplest form, incorporation makes an artificial person out of an organization. In an un-incorporated organization, the executive body is first responsible for all actions of that organization; after the executive body, each member is responsible equally for all actions of the group. Further, a group such as our Society has responsibility for all past actions, i.e., if, for example, we should be sued for some incident that occurred several years ago, then those officers and members of that period are all responsible. Situations could range from an unauthorized use of copyright material in a Society publication to an accident at a Society function. The decision was made to incorporate the G.C.A.G.S. as soon as possible, following a study which would determine where the home office should be and what state would offer the most advantages to such an Association.

The A.A.P.G. is soon to make available all of its information on this subject so that each society can handle its own affairs with a minimum of expense and effort.

Before our last noon meeting, a blue handout slip, published by the Mississippi Economic Council, was placed at each plate. If you were one of those who took the time to scan it, you already know that some of our topographic coverage is of 1902 vintage and that the most recent U.S.G.S. topo mapping took place in 1923. Also, you noted that one-fourth of the state never has been covered by any sort of topo mapping.

You might ask, "What does this mean to me or my company?" If you have ever given consideration to a well location, a mile of seismic program, a tank battery, access to any of the mentioned above, or possibly the best route into your favorite hunting spot, then you most likely have used our topographic maps and found them inadequate.

The Mississippi Economic Council is pushing the mapping project, and they conclude that for 30¢/acre, or a total estimated cost of \$2,800,000.00, the state can be completely covered. They request the support of each of us in acquainting our friends, neighbors, and legislators with the above facts. If we who need and use this service can't "sell" it, then we shouldn't expect someone else to go to bat for us. (I am in personal disagreement with the M.E.C. when they ask the Federal Government to foot half the bill - let us not meet at the public feeding trough. If we need it, then let us be willing to pay our way!)



THE SMACKOVER FORMATION OF EAST TEXAS

By Vernon Peppard

ABSTRACT

The recent discovery of large gas-condensate reserves in the Smackover formation of East Texas has caused the industry to initiate a major exploratory effort in this area. Reserve values per well in excess of \$12,000,000, and possibly as high as \$50,000,000 have been the impetus for leasing, drilling and seismic activity to reach all-time highs in the search for new Jurassic reserves. There has been a relatively small amount of Smackover drilling and the most significant new finds have been downdip from the Mexia-Talco fault zone. The structures appear to be Jurassic in age, resulting from isostatic adjustment rather than salt tectonics. Smackover drilling in the Mexia-Talco fault zone has been disappointing due to the location of tests on Cretaceous age drag folds and the fact that the Jurassic throw of the faults has been sufficient to place the Smackover in juxtaposition with porous, downthrown Cotton Valley sands. A thorough examination of the drilling which has been done to date indicates the possibility of a large number of untested prospects in the fault zone as well as the area twenty-five to fifty miles downdip from it. Successful development of large new reserves seems assured although Jurassic structural geology is complex and demands close co-ordination of geology and geophysics.

A. A. P. G. REPRESENTATIVES

The Mississippi District (as designated by the A.A.P.G.) is entitled to three representatives to the business sessions of the forthcoming A.A.P.G. Convention. We presently are represented by Mr. James F. Bollman, David C. Davis, (both with 1965 expiration dates), and Rudolph V. Ewing. Rudy Ewing's term expires at the close of the coming session, and a replacement must be selected.

Prior to November 14, the A.A.P.G. membership of the Mississippi District must nominate at least two candidates for the position presently held by Rudy. Only A.A.P.G. members are eligible as nominees. Also, these nominees must be selected by A.A.P.G. members only. It is suggested that only those persons with some intent of going to the next A.A.P.G. convention be considered for nomination.

It will be necessary to transact this business prior to the close of our evening meeting on November 11.

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING

October 8, 1963

The Mississippi Geological Society held its regular monthly meeting at the Millsaps College Library in the Forum Room. Twenty-six members and guests were present when Mr. Skees called the meeting to order at 7:40 P.M.

Mr. Skees introduced Mr. Bob Nelson, Chairman of the Boy Scout Committee, who discussed the forthcoming program for the geology merit badge. Mr. Nelson plans to hold at least two lecture sessions and two Saturday field trips. Volunteers are needed to provide transportation, and also on a lecture basis.

Mr. E. Monsour made a motion that the proposed \$2.00 assessment per member to bring out-of-state speakers to the Society meetings be continued tabled until the next meeting or at a business meeting. The motion was seconded by E. Adams. The members present voted 11 to 7 in favor of tabling the above motion until the next meeting.

Mr. Bill Skees suggested that we set up several business noon meetings. The members present were in agreement with this suggestion.

Mr. Rudy Ewing introduced Mr. Fred Mellen who gave a talk on the works, the purpose, and the proposed projects of the Mississippi Geological Survey. Mr. Mellen then introduced Mr. Marshall Kern who gave a talk on a core hole drilled in the type section of the Yazoo Clay at Yazoo City.

Mr. Bill Parks gave a talk on the caves in quartzite, Attala County, Mississippi. Mr. Bill Moore discussed the fibrous quartz from Attala County, and the Smackover formation of Mississippi.

The meeting was adjourned at 9:30 P.M.

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING

October 21, 1963

The Mississippi Geological Society held a business meeting on Monday, October 21, 1963. The meeting was called to order at 12:15 P.M. by President Skees, who made an announcement that in the future the Society meetings will be as follows: The regular meeting on the first Monday of each month will be in the evening with a principal speaker. No business will be discussed unless it is absolutely necessary. If it is necessary to handle any business, it will be done at the end of the meeting. The third Monday of each month will be designated for a business meeting, at which time all business will be transacted, followed by a short program.

Mr. Skees then discussed the need to submit names for a new AAPG representative which would replace Mr. Rudy Ewing, whose term expires in 1964. Our present AAPG representatives are as follows: D. Davis (1965), J. Bollman (1965), and Rudy Ewing (1964).

Mr. St. John stated that a display has been made for the Mesozoic Paleozoic Producing Areas of Mississippi and Alabama, Volume II, to be shown at the GCAGS Convention in Shreveport. Mr. St. John asked for volunteers to help assemble the Volume II publication. The volunteers are to meet at Humble's office on the 5th floor of the First National Bank Building at 7:30 P.M. on October 28.

Mr. Dave Harrell reported on the proposed new Institute of Professional Geologists and made a motion that the Executive Committee form a committee to investigate the possibility of sending a man to the meeting November 13 and 14 at Colorado School of Mines. This matter was discussed at length by several members of the Society. Mr. Harrell was asked to put the motion in writing, which read as follows: "A motion is made to the effect that the Society support the expenses of a representative to the organizational meeting of the American Institute of Professional Geologists in Denver on November 13 and 14. This amount to be limited to \$100." Mr. Henry Toler seconded this motion. This motion was carried by a vote of 21 to 13.

In the order of old business, the motion before the Floor that a \$2 assessment per member be made for a fund to be used to bring speaking talent to the Society meetings from out-of-state was opened for discussion. After hearing from several members on this matter, a vote was taken and the motion was carried by a vote of 18 to 14.

Mr. Sullivan made a motion that dues be raised to \$10 effective May 31, 1964. This motion was seconded by Marvin Oxley. Mr. Toler stated that he thought the proposed motion by Mr. Sullivan was unconstitutional since it involved a change in the By-Laws. In checking the constitution, Mr. Toler was found to be correct. By-Law No. VI, Amendments, reads as follows: "Amendments to the By-Laws may be made at any regular business meeting by a two-thirds vote of the members present, provided that the amendment has been submitted in writing to the Secretary and entered in the Minutes and presented to the Society at least two weeks and not more than four weeks before being put to vote."

A copy of the following motion was given to the Secretary, signed by Mr. Sullivan and Mr. Oxley:

"A Motion to Amend the By-Laws  
Section IV, Dues and Amendments"

"That dues be raised to \$10 per year and be made effective for the fiscal year beginning May 31, 1964."

Mr. Skees pointed out to the members that since the \$2 assessment was passed, all members will be required to send this amount to the Society in order to be a member in good standing with all voting rights.

Mr. Dean Miller asked for volunteers to help at the Mississippi Geological Society's booth at the GCAGS Convention in Shreveport.

Mr. Skees introduced Mr. Ron Ohnoutka, who gave a talk on "Recent and Ancient Beach and Bar Deposits." Mr. Ohnoutka is giving this talk at the GCAGS Convention in Shreveport.

NOMENCLATURE COMMITTEE

The following field names have been recommended by the Society's Nomenclature Committee in recent months:

WEST LAZY CREEK: Cane Corp., Campbell and Moore #1 Lofton, 17-4N-8E, Pike Co. Completed 10-22-63, IPF 212 BOPD, no water, 8/64" choke, TP 900#, from perfs. at 10736-744, Lower Tuscaloosa.

- GLASSCOCK ISLAND: Jones and O'Brien, Inc., and Callon Petroleum Co., #1 USA, 14-5N-4W, Adams Co. Completed 10-3-63, IPP 20 BOPD, 200BSW, TP #60, perfs. 6514-21, Wilcox.
- EAST SUMMIT: Sun, et. al., #1 Paulk Gas Unit, 24-4N-7E, Pike Co. Completed 9-29-63, IPF 500 MCF gas per day, no condensate, no water, 9/64" choke, TP 1235#, perfs. 3534-38, Sparta.
- BIENVILLE FOREST: Austral Oil Co. #1 USA 14-11, 14-4N-9E, Smith Co., completed 9-5-63, IPF 390 BOPD, 322MCFGD, 18/64" choke, TP 490#, Gr. 40.2, GOR 825:1, perfs 14141-51, Smackover.
- GLASSCOCK TOWHEAD: Jones and O'Brien, Inc., and Callon Petroleum Co., #5 W. B. Hogue, accretion, 5N-4W, Adams Co. Completed 9-3-63, IPF 80 BOPD, 29 BSW, 9/64" choke, TP 210#, GR. 42, perfs. 5925-26, Wilcox.
- NORTH SAND HILL: Texaco, Inc., #1 H. W. Beacham Unit, 23-5N-8W, Greene Co. Completed 7-27-63, IPP 82.8 BOPD, 1.7 BSW, Gr. 13.8 perfs. 6836-42, Upper Tuscaloosa.
- THORN: Pan American Petroleum Corp. #1 Doss Unit, 20-13S-2E, Chickasaw Co. Completed 9-4-63, IPF 1100 MCFGD, no condensate, TP 1000#, 1/4" choke, Perfs. 3487-97, Mississippian Sanders.
- BLACKBURN: Triad Oil and Gas #1 Trotter-Collins, 14-7N-13W, Jones Co. Completed 9-5-63, IPF 192 BOPD, 56 MCFG, TP 140#, 1/4" choke, GOR 290:1, perfs. 12490-500, Paluxy

MISSISSIPPI GEOLOGICAL SURVEY

The Survey drilled and cored its type locality Yazoo test hole to the depth of 230 feet, and ran a Widco log. The ostracoda are being studied by Dr. William J. Huff (Univ. of Sou. Miss.), the physical properties of the Yazoo clay by the Mississippi State Highway Department, and the mineralogy of the clay by Prof. Wendell Johnson (Millsaps). The Survey has additional material and believes other studies are possible and desirable. Thus far, the excellent material for foraminiferal study is going begging. It would be very desirable as thesis material. Ideas and suggestions are welcome.

New core boxes and sample boxes have been purchased for the Sample Library. The Survey urges all geologists and operators to assist in the collection of better cuttings and cores --in return for which a better job of preparing and preserving the material for your use is guaranteed.

In this connection, Austral Oil Company wrote on September 30 that "Your request for cores, samples and logs (Bienville Forest Field discovery well) has been noted and we assure you that these data will be furnished to you with our compliments in the very near future." This spirit of cooperation is greatly appreciated. The Survey has a great amount of Smackover material, including cores, in the Sample Library and this and other reference material is being used regularly.

A new magazine rack has been built to sort and display periodicals and exchange publications.

Mrs. Jean Spearman has been out all October and is now recovering from a fall bladder operation. Mrs. Mary Alice Webb has been assisting in the Survey office.

Bulletin 101, "An Investigation of Mississippi Iron Ores," by Marshall K. Kern is in the printer's hands scheduled for delivery and distribution about the end of November. Priced at \$1.00 per copy, advance orders will be filled as received.

Bulletin 100, "The Mississippi Geological Survey--A Centennial" is in progress and scheduled for distribution about the first of the year.

The Survey "Rock Box" collection of rocks and minerals native to the State sold over 400 sets since introduced in October, 1962. Last year, the "Rock Box" was a popular Christmas and anniversary gift. For those wishing to give this set to some youngster (or adult) this holiday season, the Survey will accept advance orders for mailing at your specified date with gift card included. This is an attractive, educational and interesting gift at \$3.00 per set. Send your order now, with instructions to the Director, Mississippi Geological Survey, P.O. Box 4915, Jackson 6, Mississippi.

The Survey reprinted its List of Publications on August 15, 1963, and this is free on application. Among items listed is Mississippi's most famous geological reference book,

Eugene Hilgard's Report on the Agriculture and Geology of the State of Mississippi, printed in 1860, but not assembled until after the Civil War, in 1864. This 391 page book has been rebound in red buckram and is available at \$10.00 per copy: an antique as well as a valuable scientific reference!

The State Geologist is scheduled to address the annual meeting of the Mississippi Water Well Contractor's Association at the Edgewater Gulf on November 16. The title: Role of Mississippi Geological Survey in Ground Water Development.

Bill Moore urges any geologist or civil engineer or any other person with a suitable topic, to prepare a paper for the Earth Sciences and Civil Engineering Section of the Mississippi Academy of Sciences. He is Chairman of the Section for 1963-64. The Academy is scheduled to meet in Jackson the last week of April, 1964.

TREASURER'S REPORT, OCTOBER 1 to NOVEMBER 1, 1963

On Hand October 1, 1963		
Checking Account		\$1,236.92
Savings Account		2,462.50
INCOME AND EXPENSE STATEMENT		
	<u>INCOME</u>	<u>EXPENSES</u>
<u>Administrative</u>		
Dues	\$ 87.00	
Assessment for Speakers Fund	88.00	
Donation in memory of F.S. Wilson		\$ 10.00
Bank Service and Exchange Charges		1.89
<u>Meetings</u>		
Difference on lunches		5.17
Postcard Announcements		24.76
<u>Dance</u>		
Contribution (1962)	125.00	
<u>Newsletter</u>		
Printing and mailing		54.76
<u>Publications *</u>		
Sales	389.90	
Sales Tax		14.91
Reproduction Work (Volume II)		131.25
Mailing Expense		25.00
	<u>\$689.90</u>	<u>\$267.76</u>
On Hand November 1, 1963		
Checking Account		\$1,659.06
Savings Account		2,462.50

Paid Membership 1963-1964 as of November 1, 1963 ... 288  
(Assessments paid....44)

H. E. Karges, Treasurer

\*This note is added to summarize the status of the recently issued Volume II of the Red Book, Tabulation of costs is at follows:

Drafting.....	\$ 578.75
Reproduction Work.....	178.97
Typing (including rental).....	110.16
Binders - 1097.....	1,454.63
Printing - 2000 copies.....	1,736.38
TOTAL	<u>\$4,048.89</u>

Of the total, about one fourth has already been paid out of our checking account, and the binders are now being paid out of the same. Part of the cost of the printing will have to come out of the savings account, but it will not be necessary to borrow money as was done with Volume I. Pre-publication orders, some with Volume I, amounted to \$730.00 (66 copies) and about 40 copies were sold at the GCAGS meeting in Shreveport. The break-even point on the initial 1,000 copies will be approximately 400 sales, exclusive of sales tax or mailing costs. The additional costs for the second 1,000 copies will only be in the binders, or approximately \$1,400.00. It is hoped and anticipated that the break-even point on the first 1,000 copies will be reached in the not too distant future.

GEOLOGISTS NATIONAL PROFESSIONAL INSTITUTE

A steering committee of geologists met in Oklahoma City on Sept. 13 to plan the founding convention for the American Institute of Professional Geologists. The convention will be held on November 14 and 15. Part of the results of the September planning session are printed in the following statement which was released after the September meeting.

In recent years almost every geological organization has had active groups attempting to focus attention on the professional problems of geologists. Serious studies have been made in Colorado, Michigan, Missouri, Ohio, Oklahoma, Texas, Utah, and Wyoming. And in California, Illinois, Indiana, Iowa, Kentucky, and Virginia existing geological groups have

been reorganized into professionally oriented societies. Each group certifies its members on certain academic, ethical and experience standards. The need is to coordinate this "grass roots" action so that uniform standards can be maintained and reciprocity between these groups extended. In addition, we have needed a voice by which we could speak as a unit to the public, to government and be heard not as a scientific group but as professionals. Today, changes in the employment picture have set in motion throughout the profession forces which are strongly felt not only in industry, but also on university and college campuses and in government geological circles as well. The need for professional orientation, self-leadership and exploration of new channels for geologic activity has never been greater.

These problems cannot and should not be met by existing scientific societies, however influential they may be. GSA and AAPG, for example, have imposing records of contribution to the development of the science of geology, but their charters commit them to the technical aspects of geology. Their leaders are therefore properly reluctant to distort the functions of these organizations which have served the science so well for decades lest more be lost than gained. Moreover, by tradition and interest, these societies have represented only specialized segments of the profession. When AGI was formed many among us hoped it would fill the great need of a professional organization. It has now become apparent that AGI cannot meet this need. The taxation and legal status of its scientific member societies would be jeopardized if the necessary functions of a strong professional association were carried on and made a part of its policy.

The Steering Committee envisions a national association of individuals, not of national scientific societies, entitled the American Institute of Professional Geologists. The individual members residing within a particular state will constitute a strong administrative unit. In this way there is no duplication of membership and each individual has a direct channel to national policy.

The Steering Committee has unanimously adopted the following statement of purpose:

WHEREAS, the geological profession has no nationwide structure dedicated to the establishment and maintenance of professional standards, and  
WHEREAS, the public has an uncertain concept of the identity of this profession, and  
WHEREAS, both the public and profession have insufficient protection against unethical and inadequate standards as related to the geological profession, and  
WHEREAS, the profession lacks proper legal status in the eyes of its members, the public and the courts,

NOW THEREFORE, be it resolved that:

a professional organization herein designated as the American Institute of Professional Geologists be established to take the action necessary to strengthen the profession by the establishment and constant evaluation of its qualifications and thereby to enhance and preserve the standing of the geological profession in the public community. And that standards be established which will insure the protection of both the public community and the profession from non-professional practices.

In addition to this statement of purpose the American Institute of Professional Geologists will allocate to itself, with the express consent of its future members, the following professional, not scientific, responsibilities:

1. To define who properly is a Professional Geologist.
2. To protect reputable geologists from those who would engage in unethical practices in the name of the profession.
3. To protect the public from incompetent persons purported to be geologists.
4. To establish a system of certification to implement the administration of items 1, 2 and 3.
5. To better serve the public by advancing the application of geology to vast new engineering projects being undertaken by industry and government.
6. To provide a mechanism for representing the profession to the public in connection with differences of opinion involving the application of geology to public projects.
7. To keep our educational standards properly high and to maintain continuing mutual understanding on common professional ground between the academic and professional fields.
8. To speak to the press and to government and be heard.

PUBLICATION ANNOUNCEMENT

The Mississippi Geological Society announces the forthcoming publication of "Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama - Vol. II." This publication consists of field maps, type logs, brief discussion, and listing of reservoir data for approximately fifty-five (55) oil and/or gas fields. Vol. II is similar to the highly-regarded Vol. I, published in 1957, and includes those fields discovered since 1957, as well as some of the older fields which have experienced considerable development since that time.

The new publication will be in three ring, loose-leaf binders. The reason for this is that in the immediate future the Mississippi Geological Society plans to publish and sell at low cost addenda to Vol. II. These addenda, which will be issued periodically, will consist of one or two sheets and will be of three types.

- a. New fields as they are developed.
- b. Maps on deeper horizons of fields that have only shallow maps in Vols. I and II.
- c. Revised maps of fields which undergo considerable new development.

The following may be used as a clip out order blank. Please enclose check or money order.

- 
- Vol. I of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama. \$ 7.50
  - "Package Deal" - Vol. II and Vol. I (regular price \$17.50) of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$15.00
  - Vol. II of Mesozoic-Paleozoic Producing Areas of Mississippi and Alabama \$10.00
  - Please place my name on the automatic distribution list for the addenda. I understand that the first five will be free and that I will be billed for succeeding ones. I further realize that I may cancel this order at any time. \$ 2.50  
for groups  
of 5

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_  
(type or print plainly)

Enclose check or money order and mail to Mississippi Geological Society, Box 1490, Jackson, Mississippi

Mississippi Geological Society News Bulletin  
P. O. Box 689  
Jackson, Mississippi

The Library Committee, under the leadership of Dave Robbins is making a study of available library facilities. A cursory review of the Mississippi Geological Survey is given below:

The following Publications are available at the library of the Mississippi Geological Survey, 2525 North West Street, Jackson, Mississippi. These volumes may be used by members of the Geological Society during normal business hours. No provision is made at the present for removal of these volumes from the building.

Bulletin of the American Assoc. of Petroleum Geologists -  
1917 to current issue complete with index.

American Journal of Science,

Vol. 15 to current.

American Mineralogist,

1952 to current.

Bulletin of American Paleontology,

Vol. I to current.

Geological Society of America,

Vol. II to current - with index, All G.S.A. memoirs, proceedings,  
special papers, etc.

Bibliography and Index of Geology,  
exclusive of North America.

Economic Geology,

Vol. I to current - with bibliography.

Geophysics,

Jan. 1949 to current.

Geoscience Abstract,

of the A.G.I.

Journal of Geology,

Complete.

Journal of Paleontology,

Complete.

Contributions, Cushman Foraminiferal Research

Complete.

Publications of all State Geological Surveys in various stages of completion.

U.S.G.S.

All publications

Oil and Gas Journal,

Bound

World Oil,

Bound

Various publications of foreign surveys.

Publication of the North American Oil Scouts

U. S. G. S. - Bibliography of North American Geology.

Numerous Trade Journals

Numerous Test Books

This is a partially complete list and if a desired reference volume is not listed, a check at the Survey may reveal that it is available.

A review is also being made of the Public Library to see what can be done to improve filing of existing material. You will recall that the Society in past years has caused many publications to be donated, however the current system of filing is not conducive to easy finding.

Mississippi Geological Society News Bulletin  
P. O. Box 689  
Jackson, Mississippi



Mr. Donald C. Gifford  
Marr Company  
1215 Petr. Bldg.  
Jackson, Mississippi



# NEWS

# BULLETIN

mississippi geological society



VOLUME XI  
Number 4

DECEMBER, 1963

## M G S   E X E C U T I V E   C O M M I T T E E

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Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

## 1 9 6 3 - 6 4   C O M M I T T E E   C H A I R M E N

Program . . . . .	R. H. (Sam) Swanson . . . . .	Sinclair Oil & Gas Co.
Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
Publications . . . . .	Graham Hughes . . . . .	Sinclair Oil & Gas Co.
Nomenclature . . . . .	W. E. (Gene) Taylor . . . . .	Union Producing Co.
Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
News Bulletin . . . . .	John Drobnik . . . . .	Pan American Petr. Co.
Projection . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Cores & Samples . . . . .	W. H. (Bill) Moore . . . . .	Miss. Geological Survey
Boy Scouts . . . . .	R. L. (Bob) Nelson . . . . .	Pan American Petr. Corp.
Red Book Supplement . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
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Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
AAPG Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
Term Expires 1965 . . . . .	Dave Davis . . . . .	Continental Oil Co.
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G.C.A.G.S. Associate Editor . . . . .	Bob Violette . . . . .	Pan American Petr. Corp.

## D E C E M B E R   M O N T H L Y   M E E T I N G

### CERTIFICATION AND REGISTRATION OF GEOLOGISTS

Thomas H. Philpott  
LaSalle Production Company, New Orleans

On: Monday, December 16

At: Robert E. Lee Hotel

Time: 5:15 - 6:15 Social Hour  
6:15 - 7:15 Dinner - \$3.00  
7:15 - Business Meeting and Program



For Reservations, call Miss Billie McGehee, 354-1671, by Noon, Monday, Dec. 16

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

November 11, 1963

The meeting was called to order at 7:10 P.M. by President W. A. Skees. Mr. Skees made an announcement that Mr. Tom Philpott is scheduled to come to Jackson on December 16, 1963, to discuss the problems of certification and registration.

The Sandstone Seminar is presently bogged down, and the Society is now looking for a new lecturer.

All members are urged to pay their \$2 assessment.

Approximately 74 members were present at the meeting.

Mr. Swanson introduced Mr. Vernon Peppard, who gave an excellent talk on the Smackover Structures of East Texas.

Mr. Skees opened to the floor nominations for the Mississippi Geological Society's AAPG representative. Mr. Dave Davis nominated Mr. Bill Lynch, and Mr. Dave Robbins seconded the motion. No other names were nominated, so Bill Lynch was unanimously selected to be our AAPG representative, replacing Rudy Ewing whose term expires in 1964.

Mr. Bob Nelson made an announcement that approximately 60 Boy Scouts are interested in earning a geology merit badge. If anyone is interested in helping in this worthwhile project, please contact Mr. Nelson.

The meeting was adjourned at 8:15 P.M.

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

November 18, 1963

The Mississippi Geological Society held a business meeting on Monday, November 18, 1963, with 37 members present. The meeting was called to order by Mr. Skees at 12:15 P.M. Mr. Skees announced that Mr. Tom Philpott is scheduled to speak on the registration and certification problem on December 16, 1963.

Mr. Rob Ross discussed the first meeting of the American Institute of Professional Geologists, which was held recently in Colorado. Approximately 78 people attended the meeting. A full report on the meeting will be published in the next Newsletter.

Messrs. E. Lambert and D. Davis were presented with copies of the Volume II Redbook with their names engraved on the covers in recognition of their leadership and work in getting the Redbook published. Mr. E. Lambert gave special recognition to the people whose names are listed in the Redbook for their cooperation and help in getting the Redbook published.

Mr. James A. Files gave an informative talk on the history of the Jackson public school system.

Mr. Jim Sullivan's motion "That dues be raised to \$10 per year and be made effective for the fiscal year beginning May 31, 1964" was brought before the members. Mr. Wayne Moore made a motion that the amount of the dues be amended to \$5. Mr. Emile Monsour seconded the motion. After a lengthy discussion, Mr. Moore's amendment was voted on and passed by a count of 18 to 11.

The motion to amend By-Law IV whereby, "The annual dues of Active and Associate members shall be Five Dollars (\$5.00), payable at the beginning of each fiscal year. The fiscal year of the Society shall be from June 1 through May 31." was defeated by a vote of 19 to 10. Any changes of the By-Laws require a two-thirds vote of the members present.

Mr. Bob Nelson made a motion that any future voting for changes in By-Laws be done by mailed ballot. This motion was later withdrawn by Mr. Nelson.

Mr. Bob Ross then made the following motion: "Be it resolved that Article VI of the By-Laws of the Mississippi Geological Society be amended to read: 'Amendments to the By-Laws may be made by a two-thirds majority of the active membership by mail ballots to be supplied and mailed by the Society to the active membership, provided a motion to amend said By-Laws has been passed at a regular business meeting by a majority of

the active members present at said meeting. Returned ballots must be postmarked within 30 days of mailout date in order to be counted.'" This motion was seconded by Chuck Ramsden.

The meeting was adjourned at 1:55 P.M.

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

December 2, 1963

The meeting was called to order at 7:35 P.M. by President W. A. Skees. Approximately 90 members were present at the meeting.

Mr. Swanson introduced Mr. Hunter Yarborough who gave a very informative talk entitled "Framework of the Gulf Coast Basin."

After a question and answer period the meeting was adjourned at 8:50 P.M.

ALABAMA GEOLOGICAL SOCIETY

Mr. Thomas A. Simpson, Publicity Chairman of the recently organized Alabama Geological Society, sends the following letter of invitation for membership:

"As you may have noticed in some of the recent earth science periodicals, Alabama geologists and those interested in earth science in Alabama have recently organized the Geological Society of Alabama (G.S. Ala.). As a newly organized society in a state which encompasses a diversity of geologic phenomena, we are naturally enthusiastic and believe that the members and affiliates of the Society will greatly benefit from the meetings and field trips held by the Society. We, therefore, extend to you, as fellow geologists, an invitation to join our Society. We believe that members with outstanding experience are vital to our organization.

"Attached are some membership forms and instructions for applying for membership in the Society.

"In addition to the regularly scheduled meetings and field trips, the Society will call special meetings in order to take advantages of special situations, or to hear talks by visiting geologists and scientists. A meeting of this nature has been called for December 11, to hear a talk by Mr. R. C. Ohnoutka, Geologist, with Pan-American Petroleum Corp. A copy of the notice of this meeting is enclosed.

"We hope you will honor us by your membership in the Alabama Geological Society."

Please address letters of inquiry to the Alabama Geological Society, P. O. Box 6184, University, Alabama.

AMERICAN INSTITUTE OF PROFESSIONAL GEOLOGISTS

Bob Ross, who was the Society's delegate to the recent founding convention of the AIPG, brought back the following report:

"Seventy eight persons registered at the founding convention of the captioned organization, which was held at Golden, Colorado, on November 14 and 15.

"It was decided that membership in the AIPG should be monolithic and should be limited to those desiring same who can meet the qualifications and requirements of this professionally oriented group.

"A constitution (subject to legal approval) and a code of ethics very similar to that of the AAPG was adopted.

"Officers were elected and headquarters designated. A committee on by-laws was set up and will present the by-laws to the membership for approval.

"Further information can be obtained by writing:

American Institute of Professional Geologists  
Colorado School of Mines  
Golden, Colorado

NEW DEPARTMENTAL HEAD FOR MISSISSIPPI STATE UNIVERSITY

Doctor Paul H. Dunn, Head of the Department of Geology and Geography at Mississippi State University since 1934 has been retired Professor Emeritus. Doctor Troy Laswell is now Head of the Department.

TYPE LOCALITY COMMITTEE

The Type Locality Committee of the Mississippi Geological Society was inaugurated in 1961 for the purpose of typing the surface and subsurface sections of Mississippi.

At this time the Gulf Coast Section of the S.E.P.M. had an active Type Locality project underway and it was felt that the Mississippi Society would collaborate with S.E.P.M. on the latter's project rather than have a duplication of effort.

The S.E.P.M.'s project was outlined in 1957 by Mr. E. H. Rainwater and was greeted with enthusiasm initially; however in the ensuing years it failed to receive support enough to result in a publication. In 1959, Messrs. Charles E. Stuckey, Jr. (Union Oil of California) and David E. Pope (Union Producing Company) revived this project and the efforts of these two resulted in the publication of the first unit (Unit I Type Localities Project, Gulf Coast Section S.E.P.M., October 1960). Since then Unit II has been published and Unit III is being prepared.

The purpose of the S.E.P.M.'s project is threefold:

- (1) To relate type localities of the Gulf Coast to present road nets.
- (2) To supplement original descriptions when necessary.
- (3) To designate reference localities when the type is inadequate or lost to posterity.

The ultimate goal is a loose leaf publication containing descriptions of all type localities in the Gulf Coast.

The Mississippi Society's Committee worked with the S.E.P.M. and accomplished the following:

- (1) Several sections were submitted in the format outlined by the S.E.P.M.
- (2) A number of sections were "assigned" to be worked by those volunteering to do such.

There remains a number of surface and subsurface sections in the state which are not included in the three units that have or are being published by the S.E.P.M.

Several persons were contacted to serve as committee chairmen at the beginning of the current season but these efforts were to no avail. Anyone interested in working on this project can contact any of the executive committee for appointment. This project should be of particular interest to students. Their visits to various outcrops could be more meaningful after having done some background work.

REDBOOK SUPPLEMENT COMMITTEE ANNOUNCES PLANS

Dave Robbins of Marathon will succeed Ernie Lambert and Dave Davis as Chairman of the Redbook Supplement Committee. Dave and Ernie will work jointly on the first new group of field maps which will appear late in January. Included will be Raleigh, Mize, Pelahatchie, Baxterville (revised), and one other field to be announced. Prices for these new supplements will be announced at a later date.

LIBRARY COMMITTEE ANNOUNCES CHANGE, NEW BOOK FIND

Bun Curvin of Pan American will succeed Dave Robbins as Chairman of the Library Committee.

A previously little known deposit of books and periodicals has come to light, and interested Society members are invited to make use of the material. Brigitte L. Kenny, Librarian of the Mississippi Industrial and Technological Research Commission, 947 Deposit Guaranty Bank Bldg., Jackson, announces that the following material is available for use by Geological Society members between 8:00 A.M. and 5:00 P.M., Monday through Friday. She also states that the library will continue to grow rapidly.

## Mississippi publications:

- Mississippi State Geological Survey Biennial Report, 1914/15---
- Mississippi State Geological Survey Bulletins, No. 1-----
- Mississippi State University Agricultural Experiment Station Bulletins, No. 401---
- Mississippi State Oil and Gas Bulletin, v. 61, no. 6.

## General publications:

- Fanning, Leonard M., Our Oil Resources, McGraw-Hill, 1945.
- Lahee, Frederick H., Field Geology, 6th ed., McGraw-Hill, 1961
- Leet, Lewis D., Physical Geology, 2nd ed., Prentice-Hall, 1958

Resources for the future, Energy in the American Economy, 1850-1975; an economic study of its history and prospects. Johns Hopkins, 1960.  
 U. S. Air Force, Cambridge Research Laboratory, Geophysics Research Directorate, Handbook of Geophysics. Rev. ed., Macmillan, 1960.  
 American Petroleum Institute, Petroleum Facts and Figures, 1961-1962, biennial.  
 U. S. Bureau of Mines, Bulletins, no. 574-----  
 U. S. Bureau of Mines, Information Circulars, no. 7866----  
 U. S. Bureau of Mines, List of Bureau of Mines publications and articles, July 1, 1910-Jan. 1, 1960, with subject and author index.  
 U. S. Bureau of Mines, Minerals Yearbook, 1958  
 U. S. Bureau of Mines, Report of Investigations, no. 5449-----  
 U. S. Geological Survey, Bibliography of North American Geology, 1956----  
 U. S. Geological Survey, Bulletins, no. 1028----  
 U. S. Geological Survey, Professional Papers, no 236----  
 U. S. Geological Survey, Water Supply Papers, no. 489----- (for Mississippi only)  
 AAPG Bulletin, Vol. 47, no. 1, Jan. 1963-----  
 Economic Geology, vol. 58, no. 1, Jan.-Feb. 1963----  
 Geophysical Abstracts, no. 194, March 1963-----  
 Hydrocarbon Processor and Petroleum Refiner, vol. 42, no. 4, April 1963----  
 (1958-62 on microfilm)  
 Journal of Geology, Vol. 71, no. 3, May 1963----  
 Oil and Gas Journal, Vol. 61, no. 14, April 18, 1963----  
 Pit and Quarry, Vol. 54, no. 7, Jan. 1962---- (1957-62 on microfilm)

- - - - -

### TREASURER'S REPORT

November 1, to December 1, 1963

On Hand November 1, 1963

Checking Account	\$1,659.00
Savings Account	2,462.50

#### INCOME AND EXPENSE STATEMENT

<u>Administrative</u>	<u>INCOME</u>	<u>EXPENSES</u>
Dues	\$ 24.00	
Assessment for Speakers Fund	172.00	
Executive Council Meeting		15.05
Mailing Assessment Statements		25.16
Partial Expenses on Trip to A.I.P.G.		100.00
Bank Exchange Charges		0.50
Bank Service Charges		2.62
 <u>Meetings</u>		
Speaker's Expenses		74.52
 <u>Newsletter</u>		
Printing and Mailing		66.64
 <u>Publications</u>		
Sales	563.50	
Postage for Mailing		25.00
Reproduction Work (Volume II Advertsing)		11.65
Typing for Volume II		26.25
Typewriter Rental (Volume II)		1.66
Advertisement in G.C.A.G.S. Transactions (Vol. II)		75.00
Binders for Volume II		1,454.63
	<u>\$759.50</u>	<u>\$1,878.68</u>

On Hand December 1, 1963

Checking Account	\$ 539.88
Savings Account	\$2,462.50

Paid Membership 1963-1964 as of December 1, 1963 ...296  
 (Assessments paid.....130)

H. E. KARGES, TREASURER  
 Mississippi Geological Society

December 5, 1963

(6)

MISSISSIPPI GEOLOGICAL SURVEY

The Survey has distributed notices and automatic mailings of its new Bulletin 101, "An Investigation of Mississippi Iron Ores," by Marshall K. Kern.

Bulletin 100, "The Mississippi Geological Survey, A Centennial" is scheduled for distribution late in December.

The first manuscript entered in the Geologic Research Paper Contest-1963, has been received. It is anticipated that Bulletin 102, "Mississippi Geological Research Papers-1963" will be ready for distribution in late March. There will be space for inclusion of several other articles on Mississippi geology, and the Society members are invited to consider this as an outlet for appropriate contributions.

Fred Mellen spoke to the Miss: Water Well Contractors Association at Edgewater Park on the "Role of Mississippi Geological Survey in Ground Water Development."

At present the U. S. Geological Survey Topographic Branch has 24 field parties working in Mississippi. Some new quadrangles are in process, but large areas important to the Petroleum Industry are still unmapped and not yet in any planning stage. The Mississippi Economic Council is advocating that the Legislature appropriate over a 6-year period the total sum of \$1,212,000 which will be matched by Federal Funds and will insure an early completion of topographic coverage for the State. Without such State support the completion time will be many years away.

Meanwhile, the Mississippi Mapping Advisory Committee which consolidates requests for mapping priority, has been reorganized and is active in its work. Nominations of new quadrangles and reasons for these nominations are needed by early January. The Committee is composed of State Geologist Fred Mellen, ex-officio Chairman, I. W. Brown, Dewey M. McCain, T. C. Robbins, O. W. Scott and Walter Spiva.

The Survey has drilled two holes at Byram, Hinds County, logging materials from lower Catahoula to Yazoo Clay. All of the Vicksburg section has been cored and excellent fossiliferous material is available.

At present AF-3 is being drilled and logged west of Clinton and AF-3-A will be cored through the Bucatunna-Byram.

The Survey Board approved a project to be jointly conducted by the Mississippi Industrial and Technological Research Commission and the Survey. This is a reconnaissance investigation of lightweight aggregate materials of Mississippi. The project will be directed by Dr. Robert F. Dye, Director, M.I.T.R.C., and Fred Mellen, Director of M.G.S. The Survey's staff and equipment will be used in securing samples; the M.I.T.R.C. staff will make market and economic studies; and the M.I.T.R.C. will pay for the testing of the raw materials. The report is expected to be completed by April and will be printed as M.G.S Bulletin 103, a publication prepared jointly by the two Agencies.

The Budget Commission has recommended a 43% increase in the appropriation to the Survey for the 1964-66 biennium.

In November Bill Moore spoke to the science classes at Glade Attendance Center in Laurel, and Bill Parks to the science students at Taylorsville High School. The subject was "Mississippi Mineral Resources," under the visiting scientist program of the Mississippi Academy of Sciences-National Science Foundation. Previously, Marshall Kern spoke at Magee High School and Bill Moore at Liberty Attendance Center.

The Survey has been advised by the Bureau of Mines that preliminary estimates of 1963 mineral production in Mississippi indicate a value of \$224 million, an increase of 7% over the previous all-time high of \$209 million, set in 1962. For the 12th consecutive year the mineral production has registered a strong increase.

Mississippi Geological Society News Bulletin  
P. O. Box 689  
Jackson, Mississippi

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PUMPS  
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JACKSON  
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Mr. Donald C. Gifford  
(Marr Company)  
1215 Petr. Bldg.  
Jackson, Mississippi

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MINE

# NEWS

# BULLETIN

mississippi geological society

VOLUME XI  
Number 5

FEBRUARY, 1964



## M.G.S. EXECUTIVE COMMITTEE

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Vice President . . . . .	M. L. Oxley . . . . .	Lone Star Producing Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
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Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

## 1963 - 64 COMMITTEE CHAIRMEN

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Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
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Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
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Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
Type Localities . . . . .	Charles Welby . . . . .	Univ. Southern Mississippi
AAPG Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
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G.C.A.G.S. Associate Editor . . . . .	Bob Violette . . . . .	Pan American Petr. Corp.

## FEBRUARY MONTHLY MEETING

The First of a Two-Program Series on the Notorious Phillips Gas Case

### LEGAL ASPECTS OF THE PHILLIPS GAS CASE

C. M. ALLEN  
Phillips Petroleum Co., Shreveport

ON: Monday, February 3

AT: Millsaps College - Science Hall

TIME: 7:30 P. M.

Mr. Allen will discuss the origin of the case, the legal battles before the F.P.C. and the U.S. Supreme Court, and subsequent developments. Landmen, Geophysicists, and Petroleum Engineers are also invited to attend.

Note: This is not the Phillips case concerned with Merit Field.

PRESIDENT'S LETTER

In this issue, you will see the first results of our effort toward adding a bit of geological interest to our Newsletter. We have tried unsuccessfully on several occasions to interest various people in making simple contributions; however, the old security problem continues to arise. Ed Minihan is to be commended for his effort, and we thank him for being our first. It is not our intent to create another "Shale Shaker" overnight, but if any of you have some short articles on items of geologic interest, please submit them and we will continue to improve our Newsletter.

I recently received a pleasant surprise when Dr. Charles W. Welby at Mississippi Southern offered to head up our Type Localities Committee. It isn't every day that people go out of their way to participate in a working committee. While on the subject of committees, we have two other new chairmen. Dave Robbins has accepted the chairmanship of the "Red Book" Supplement Committee and is in the process of getting out the first two addenda to Volume II. Each of these will consist of five maps each, and we hope to have them available before vacation time. Dave Harrell will head up a committee of five whose purpose is to determine:

1. Should the State require samples be saved on all Cretaceous or older wildcats?
2. If so, how should they be processed and sorted?
3. What position should the Society take regarding this matter?

If any of you have strong feelings on the sample problem, now is the time to express your opinion. You might keep in mind that the Sample Cut as it is now constituted is on thin financial ice; it is doubtful if the "Cut" can continue far into the future as a free enterprise venture unless it gets more Company support than it now has.

How many of you know where you really stand on such things as wide spacing, unitization, proration, depletion allowance, and other controversial issues facing the old industry? Had you heard Dudley Hughes give his excellent paper at Hattiesburg, you now would be in a better position to make up your mind. Dudley probably would make a copy available for reading, if you are interested. Did you know that the petroleum industry contributed \$85,000,000.00 in taxation in the State of Mississippi during 1963? Also, did you realize there is an effort being made to add another cent tax to a gallon of gas and if this move is successful, we then will pay in excess of 12¢ per gallon? Just think; we can be the pace setters for the other 49 states!!

As a change of pace, did you know that our Sanky Blanton and Ron Ohnoutka are much in demand as guest speakers at various Society meetings for the next four months. One or both of them have been requested to appear at New Orleans, Tyler, Dallas, and the University of Georgia. We can be justly proud of these members of our Society.

We have been informed that the Alabama Geological Society will conduct a field trip the week following our Sandstone Seminar. The trip will be into northwestern Alabama where exposures of various Paleozoic age rocks occur. In this area, we should be able to apply many of the principles presented by Dr. Lankford, our seminar leader.

W. A. Skees

PROPOSED AMENDMENT TO THE BY-LAWS

Mr. Robert Ross has made the following motion:

"Be it resolved that Article VI of the By-Laws of the Mississippi Geological Society be amended to read: 'Amendments to the By-Laws may be made by a two-thirds majority of the active membership by mailed ballots to be supplied and mailed by the Society to the active membership, provided a motion to amend said By-Laws has been passed at a regular business meeting by a majority of the active members present at said meeting. Returned ballots must be postmarked within 30 days of said meeting. Returned ballots must be postmarked within 30 days of mailout date in order to be counted.' "



MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY

December 16, 1963

The Mississippi Geological Society held a business meeting on Monday, December 16, 1963, with 29 members present. The meeting was called to order by Mr. Skees at 7:00 P.M.

Mr. Skees discussed the Volume II Redbook. Approximately \$4,200 has been spent in the printing and assembling of the Volume II supplement. As of December 16, the Society has sold approximately 209 volumes for a total revenue of \$2,200. About 25 orders for the supplement are local. It is urged that these people please go by Humble's office and pick up their copies. This will save the Society the mailing cost which amounts to 50 cents per copy.

The Sandstone Seminar under the leadership of the Educational Committee Chairman, Ron Ohnoutka, is making headway; and the present plans are to present the program this coming Spring. In conjunction with the Sandstone Seminar, a Paleozoic field trip in Northwest Alabama is being considered.

Any geologist who has a short paper on an interesting well drilled in the State or a subject of interest pertaining to our profession, please submit to the Society for publication in the Newsletter.

The Scout Committee has conducted two evening lecture sessions and two field trips. Over 100 scouts participated in the program to fulfill requirements for a geology merit badge. The cost to the Society was approximately \$65 to \$70 for transportation. The Scout Committee is doing an excellent job, and the money spent is for a very deserving cause.

Mr. Bob Ross' motion to change Article VI of the By-Laws was tabled.

The next meeting of the Society will be held on January 14 in Hattiesburg. Mr. Dudley Hughes will present a paper on Economics of Deep Exploration in Mississippi.

Sam Swanson, Program Chairman, introduced Mr. Tom Philpott who discussed certification and registration. After a question and answer period, the meeting was adjourned at 8:45 P.M.

January 20, 1964

The Mississippi Geological Society held its monthly meeting at the Wagon Wheel Restaurant in Hattiesburg at 7:45 P.M., presided over by President Bill Skees. It was preceded by a social hour and dinner, enjoyed by 39 members and guests.

President Skees introduced three geology student majors from the University of Southern Mississippi, who were attending at guests.

President Skees said that no business was pending which should be completed tonight, so since he was presiding over his first out-of-Jackson meeting, he would be glad to discuss Society policies and answer any questions regarding Society business or activities. In answer to a question, he explained the status of the proposed geology sandstone seminar.

President Skees then introduced the speaker, Dudley Hughes of Triad Oil and Gas Co., who spoke on "The Future of the Oil and Gas Industry in Mississippi."

The meeting was adjourned at 9:00 P.M.

SANDSTONE SEMINAR

Dr. Robert Langford, Chairman of the Department of Geology, Rice University, will be the seminar leader for the clastic sediments phase. Dr. Langford will discuss with the Education Committee on February 7 his program and progress being made on the organization of material to be presented at the seminar.

GEM AND MINERAL SHOW

Stewart Welch, with Shell, will be chairman of a committee which will arrange for the Society's display at the Gem and Mineral Show which will be held at the fairgrounds on February 22 and 23. Tentative plans call for display of a suite of samples from the Permian El Capitan reef complex and of the Society's publications.

FUTURE OF OIL AND GAS EXPLORATION IN MISSISSIPPI

By Dudley J. Hughes, Triad Oil and Gas Company

Abstract

The State of Mississippi has had a fairly rapid growth in oil and gas production since the first oil was discovered in 1939. Two sedimentary basins provide areas for exploration in Mississippi, these being the Mississippi Salt Basin to the South and the Black Warrior Basin to the North.

At the present time the Mississippi Salt Basin provides the production which accounts for over 95% of the oil and gas revenue of the state.

The Black Warrior Basin has been much less explored and has a promising future potential for exploration. However, practically all production presently found in the Black Warrior Basin is gas, much of which has not been commercial. The economics in the Black Warrior Basin will probably delay it becoming an important producing basin for several more years, or, until the demand for gas increases.

The Mississippi Salt Basin will probably be the main area for exploration for the next few years, and this paper will be concerned primarily with a discussion of future exploration for oil and gas in the salt basin.

For the first 15 years following the discovery of Tinsley in 1939, new fields in Mississippi were found primarily in the relatively shallow trends of the tertiary and Upper Cretaceous. In late 1953, the Soso Field was discovered and since that time deeper Lower Cretaceous discoveries provided a good portion of the new oil being found in the state while discoveries in the old shallow trends have become fewer. More recently, the Cotton Valley and Smackover have become producing objectives at generally greater depths.

In order to determine the future petroleum to be found in the Mississippi salt basin, I have estimated, by depths, the percentage of petroleum already discovered. Based on reserves at different depths, it is my opinion that to a depth of 6000 feet 80% of petroleum reserves have already been found; from 6000 to 10,000 feet 60% has been found; from 10,000 to 12,000 feet 40%; from 12,000 to 14,000 feet 20%; and below 14,000 feet on 1%. Other geologists may estimate this differently, but all must agree that there is much more deep petroleum undiscovered than at shallow depths. This is due, of course, to normal cycles of deeper and deeper drilling which occur in any area. There is undoubtedly much deep oil to be found in the Lower Cretaceous, Triassic, and Jurassic beds of the Mississippi Salt Basin. Exploration for these deep fields, however, will be governed by the economics of the production to be found. The cost of drilling and completing deep wells is many times that of shallow wells. A greater amount of oil must be recovered from deep wells in order to receive equal returns per dollar invested. Based on Triad's average costs in Southeastern Mississippi, the average well should have a reserve as follows in order to make similar fields worth exploring for:

<u>DEPTH</u>	<u>BBLs. RESERVE PER AVERAGE WELL</u>
6000'	170,000
9000'	250,000
12,000'	430,000
15,000'	820,000

This does not mean that a proven location in a field would not be worth drilling with less reserves. It does mean, however, that an average field with less reserves per well would not be worth exploring for considering the dry holes and other exploration costs which must be spent to discover the field. Equal returns per dollar invested would result on the average with the amount of reserves per well indicated for each depth. 170,000 barrels at 6000 feet will average approximately the same return per dollar invested as 820,000 barrels at 15,000 feet. It is obvious then that the deeper we explore for oil the more oil per well we must search for.

As Mississippi law provides for a constant spacing regardless of depth, the deeper we explore for oil the thicker the sands must be to provide commercial production. This limits deep exploration greatly in Mississippi because reservoirs of unusual thickness must be found at greater depths to justify exploration at these depths. To the odds of finding a producible reservoir, we must add the odds of finding sufficient reservoir thickness to be commercial at the depth. For example, if the odds of finding a producible sand at 15,000 feet were 10:1 in a wildcat well, the odds of finding sufficient thickness of sand on 40-acre spacing to recover 820,000 barrels may be 50:1. As an alternative, spacing can be varied with depth to allow a larger drainage area for the more expensive deep wells so that the odds could be kept nearly constant at any depth. There has been some encouraging trends in the last few years to allow wider spacing in certain cases,

but this is far from what is actually needed to provide ample incentive for deep exploration in the state.

Mississippi undoubtedly has a great amount of new petroleum deposits to be discovered but mostly at greater depths. It will be impossible to fully develop this future potential unless wider drainage areas for wells is allowed on a regular basis. This wider spacing must be assured before a deep wildcat is spudded in order to create the incentive necessary to actively explore these deep trends.

#### NOMENCLATURE COMMITTEE

The Nomenclature Committee recommends that the name PUMPKIN PATCH Field be given to the new producing area recently discovered by the drilling of the Credo Oil Co. #1 Mabel Branch Estate, located in section 7, T4N, R6E, Amite County, Mississippi. Completion information filed with the Mississippi State Oil and Gas Board is as follows:

Completed December 5, 1963, flowing 146 barrels of oil, 130 MCF gas per day, no water, 15/64" choke, TP 400#, gravity 44° API, GOR 893:1. Producing perforations are from 11,031 to 11,044 feet in the Lower Tuscaloosa.

The Nomenclature Committee recommends that the name BEVERLY FIELD be given to the new producing area recently discovered by the drilling of the Hughes and New Oil Company #1 Roaney Byrnes-Sweet Auntie located in Section 13, T5N, R3W, Adams County, Mississippi. Completion information filed with the Mississippi State and Gas Board is as follows:

Completed January 4, 1964, flowing 91 barrels of oil, 57 MCF gas, and 136 barrels salt water per day, 12/64" choke, TP 1000#, GOR 632:1. Producing perforations are from 10,094 to 10,196 feet in the Lower Tuscaloosa.

#### TREASURER'S REPORT

December 1, 1963 to January 1, 1964

On Hand December 1, 1963

Checking Account	\$ 539.88
Savings Account	2,462.50

#### INCOME AND EXPENSE STATEMENT

##### Administrative

	<u>INCOME</u>	<u>EXPENSES</u>
Dues	\$ 66.00	
Assessment for Speakers	66.00	
A.A.P.G. Society Card		\$ 32.50
Mailing Membership Lists		66.56
Bank Exchange Charge		0.20
Bank Service Charge		1.14

##### Meetings

Mailing Announcements		73.04
Speaker's Expenses		13.70
Additional Dinner Expense		10.67

##### Newsletter

Printing and Mailing		52.34
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##### Publications

Sales	655.95	
	\$787.95	\$250.15

On Hand January 1, 1964

Checking Account	\$1,097.68
Savings Account	2,462.50

Paid Membership 1963-1964 as of January 1, 1964 ...314  
(Assessments Paid....166)

CERTIFICATION AND REGISTRATION OF GEOLOGISTS

The following discussion of the controversial subject of certification and registration of geologists appeared in the January, 1964, issue of the New Orleans Geological Society LOG.

SOME COMMENTS ON PROFESSIONAL CERTIFICATION AND REGISTRATION  
OF GEOLOGISTS AND THE A.A.P.G.

By J. C. Sproule, Calgary, Alberta

There has been a considerable amount of discussion over the past several years given to the idea of the professional certification and registration of geologists, somewhat similar to that which is already widely practiced by engineers and other professional groups, such as architects, lawyers, doctors and dentists. Much of the discussion has been the spontaneous result of local situations in which some type of registration has become desirable for reasons of ethics or for purposes of normal professional practice; too much of it has been the result of well-intended but personal belief based on insufficient knowledge of the overall problem.

The real problem has been that geologists as a group are more interested in their own practice of geology than they are in their connection with other related sciences and professions, in their own public image, or in their responsibility to their employers, whom we shall refer to collectively as the public. As a result, other professions have evolved to more advanced degrees of development than has the profession of geology as such. If the average "man on the street" were asked to identify that profession having to do with the fundamental science of the earth, he may not be able to do so, which is not a very satisfactory situation. Many of us may not know how it came about, but most of us would be forced to admit that the public image of the geologist is deficient.

The present position so far as the American Association of Petroleum Geologists is concerned is an anomalous one, inasmuch as it is the largest organization on earth representing the profession of petroleum geology, although its members do not now hold the accepted rank of professionalism.

The failure of the petroleum geologist to be recognized, or even to recognize himself as a professional man, is due, in part, to the fact that most geologists are employed by oil companies and operate under their protection purely as employees, having specified responsibilities primarily to the jobs they hold, with secondary and not strictly necessary relationships to outside members of their profession. This situation is indeed so prevalent that when the American Geological Institute undertook to study the possibility that they might assume the responsibility for the certification and registration of geologists, most people, including the A.G.I. Committee concerned, assumed that it would be a blanket arrangement, covering all member geologists. The fact of the matter is, however, that many geologists neither desire nor require certification or registration to follow their profession. At some later time they may require or desire the increased professional recognition that goes with certification and registration, but in the meantime there is no reason why they should be regimented into becoming registered against their wishes. At the same time those who do not themselves either require or wish to be registered, have no moral right to interfere with the wishes and/or requirements of those of their fellows who may wish to be registered. Many of their associates do require certification and registration and if they cannot obtain it through the A.A.P.G., they will obtain it elsewhere. When that happens, many of them will be lost to the A.A.P.G., and thus have a highly detrimental effect on the overall health of the A.A.P.G. on technical and professional grounds, and even on social grounds.

The only comprehensive coverage given the problem has been through studies made by the A.G.I. These studies have been in progress for more than ten years. They have had to do mainly with the possibility that all geologists belonging to the several constituent geological societies of the A.G.I. might become registered by the A.G.I. Of late this has been a major project of the A.G.I. and, although the current results of their deliberations have had but limited distribution, the idea of registration by the A.G.I. has split whole geological societies and portions of societies into opposing camps. Indeed, the situation has appeared sufficiently serious that the immediate past and the present executive committees of the A.A.P.G. began a special study of this subject at the March, 1963 meeting. At that time a letter was delivered to the A.G.I. asking that they provide some concrete proposal for certification and registration of geologists. This request for a summing up of the situation was the result of a careful study leading to the conclusion that blanket registration by the A.G.I. involving a number of geological societies with a multitude of skills, aims and ambitions, was impossible to accomplish in the near future. We believed, however, that as a member society of A.G.I. we should clear the decks in that connection before taking concrete action in our own behalf.

We now have a report from A.G.I. President Hedberg who informs us that, as a result of studies made to date by the A.G.I. house committee on certification and the A.G.I. committee on professional standards, combined with legal advice, they are

unable to act as an agent for the certification or registration of geologists. That reply would now appear to pave the way for any alternative solution on our part that may become feasible.

In the meantime the steady growth of local registration groups threatens to affect very large numbers of A.A.P.G. members. It now appears essential to the executive committee of the A.A.P.G., therefore, that we should take care of our responsibility to the membership in this matter without further delay. With that in mind, we have made this problem a major effort for the current year.

#### REPORT OF THE BOY SCOUT COMMITTEE

By R. L. Nelson

The response to our notice in Smoke Signals regarding instruction leading to the Geology Merit Badge has been larger than we can handle. Because of problems of a meeting hall, transportation, and the nature of our field trips, it was necessary to limit this first group to about 60 scouts. It is our intention to repeat this course next spring for those boys who could not be accommodated last fall.

The instruction consisted of two Wednesday evening sessions on December 4 and 11; and two Saturday morning field trips, from 8:00 A.M. to 1:00 P.M., on December 7 and 14. Dr. R. R. Priddy, Head of the Geology Department, and Millsaps College kindly offered the use of their Science Department Lecture Room for these sessions, Sullivan-Harrell Hall.

As a matter of interest to you, the evening meetings essentially reviewed the content of the merit badge pamphlet. Movies, slides, models, specimen collections and other visual aids were used to augment the talk of four professional geologist-lecturers. Requirement 4 of the merit badge requires a report or "theme" on a local subject basis. Several such topics were adequately covered in the two meetings. One homework problem was assigned, on subsurface contouring and oil exploration, to be turned in the following Saturday. The two field trips included stops at several rock and mineral collection localities, three fossil localities, the Jackson Water Plant, a limestone quarry, a drilling oil well, an oil field, a cement plant and several interesting road cuts along the way where various geologic processes could be observed. Several adult geologists were present on each of the field trips.

It should be emphasized that the Boy Scout Committee of the Mississippi Geological Society will not function as an actual merit badge "counselor." It will still be necessary for the scouts to contact an accredited counselor and satisfy him as to the requirements. I will furnish each boy with a slip stating which portions of the instruction he has completed to our satisfaction, for his use with his counselor. He will have had an opportunity to make the necessary collections.

If there are any further questions, please feel free to contact me at home or at the office.

#### INTERESTING WELLS

PLACID OIL COMPANY #1 COOK  
35-6N-1W, HINDS COUNTY, MISSISSIPPI

By Ed Minihan

Within Jackson's city limits, Placid Oil Company drilled an interesting and unusual well in their #1 Cook located in the Northeast-quarter of the Southeast-quarter (NE/4 SE/4) of Section 35, Township 6 North, Range 1 West, Hinds County, Mississippi. This well was drilled on a strong gravity maximum separated from the very strong maximum that is the Jackson Dome to the East.

A comparison of the #1 Cook to its nearest control, the Placid A-1 Caldwell, located approximately 3800 feet north and west, shows the following:

- (a) The Gas Rock section in the #1 Cook is 356 feet thick and is 12 feet thinner than the Caldwell A-1.
- (b) The top of the Gas Rock in the #1 Cook is 60 feet low structurally to the Caldwell A-1 which provides east dip of top of the Gas Rock between these wells. The same structural relationship is true at the Base of the Gas Rock.

Below the Gas Rock no structural relationship can be made to compare the two wells. The Caldwell A-1 was considered normal with the Lower Cretaceous thinning as it approached the Top of the Jackson Dome. Below the Gas Rock in the Cook #1, no definite formations are recognized. In Petrographic Analysis of the interval 3270-3300, there was noted some highly indurated sandstone. X-Ray diffraction analysis made of this interval and 3800-40, 3920-40, 4240-80 indicates a Dolomitic feldspathic sand or a quartz-feldspar-dolomite. The interval 3270-3300 has Biotite and Native Copper for major minerals. Intervals 3800-40, 3920-40, 4240-80 have siderite, biotite, copper and iron pyrite as major minerals.

An analysis of intervals 4580-4620, 4880-4920, 5160-5200, 5980-6020, and 6200-6218 indicates hydrothermal alteration and contact metamorphism of a carbonate section. Minerals indicating hydrothermal activity are native copper, pyrite, magnetite, chalcopyrite, veined feldspar and vein quartz. Secondary crystals of amphibole, coarse biotite and feldspar are present and these are normally found in relation to a very low grade of contact metamorphism.

Presently it is impossible to date the section below the Gas Rock in the #1 Cook bearing in mind that a magma uplift would provide impetus to develop a horst block and/or a graben, the following possibilities are offered:

- (1) (Figure 1) Petrographic Analysis indicates the section below 3750 to be a carbonate composed of Dolomite and Limestone subjected to hydrothermal action and low grade contact metamorphism. This is assigned to the Ordovician. Here the Ordovician is overlain by the Cotton Valley with the Smackover and Buckner absent presenting a major unconformity. Late Cretaceous movements have also caused removal of the Lower Cretaceous beds creating another major unconformity.
- (2) (Figure 2) The presence of Upper Cretaceous or younger triporate pollen grains throughout the clastic section from 3270-3750 and the carbonate section below 3750; if indigenous, would assign the section to the Upper Cretaceous. This supposition seems unlikely because of the carbonate section below 3750 is not found elsewhere in Mississippi, in the Upper Cretaceous. The possibility of this section being Upper Cretaceous requires a graben system to trap Upper Cretaceous sediments. The Upper Cretaceous pollen grains are probably not indigenous, but are the result of cavings contamination.

			13
T6N - RIW		23	24
	28	27	26
33	Placid Caldwell	A-1	Placid Cook

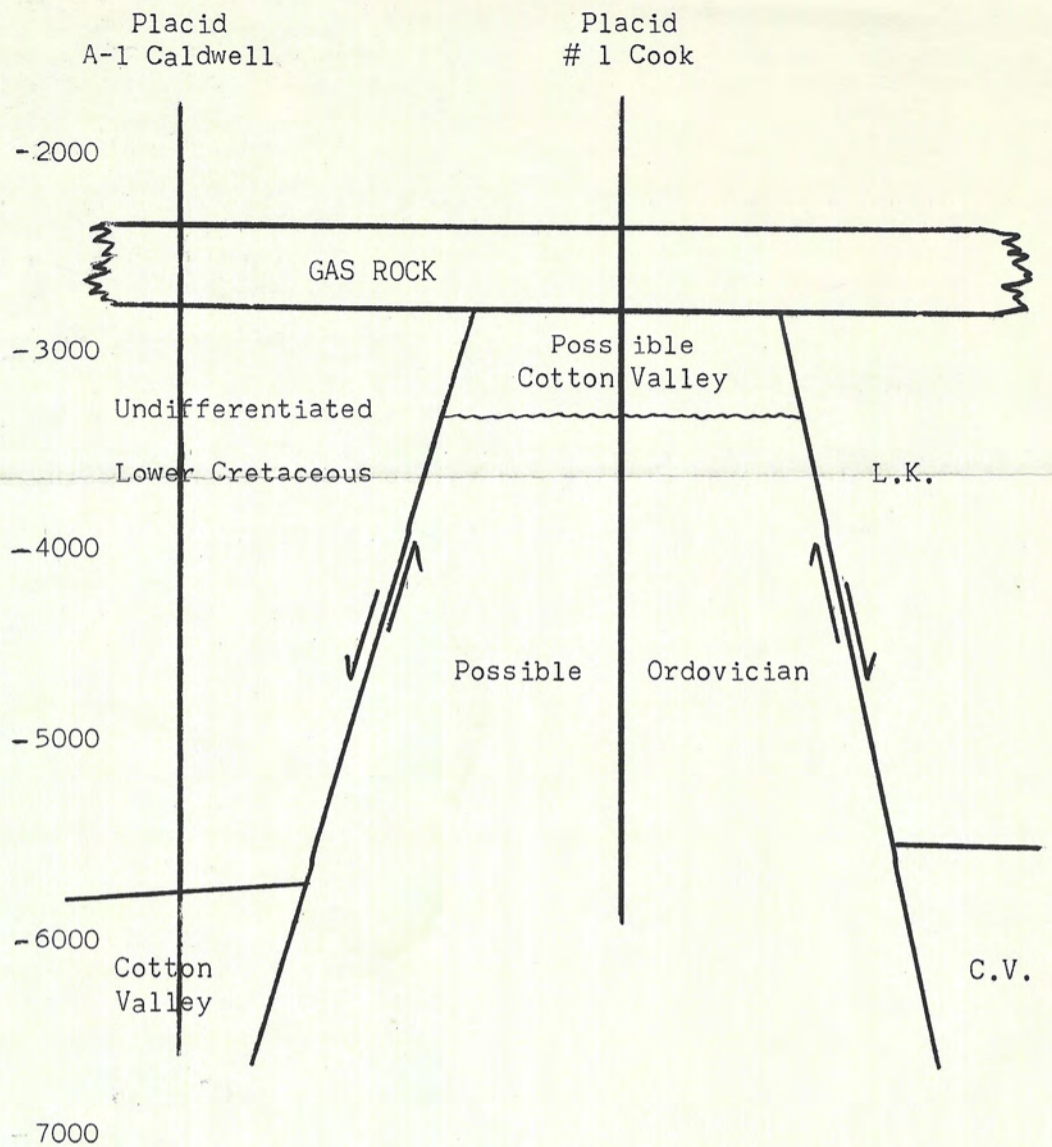


FIGURE 1

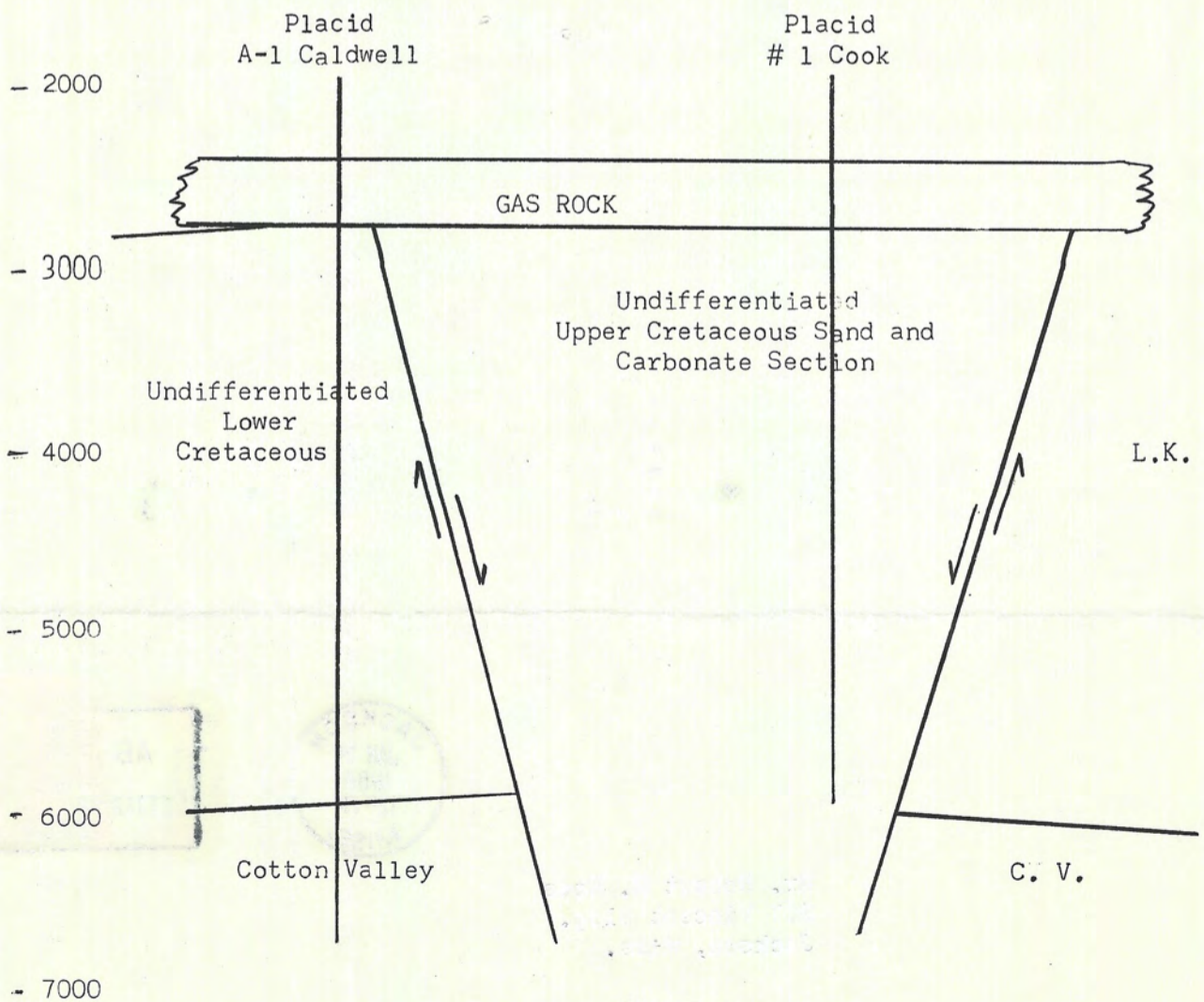
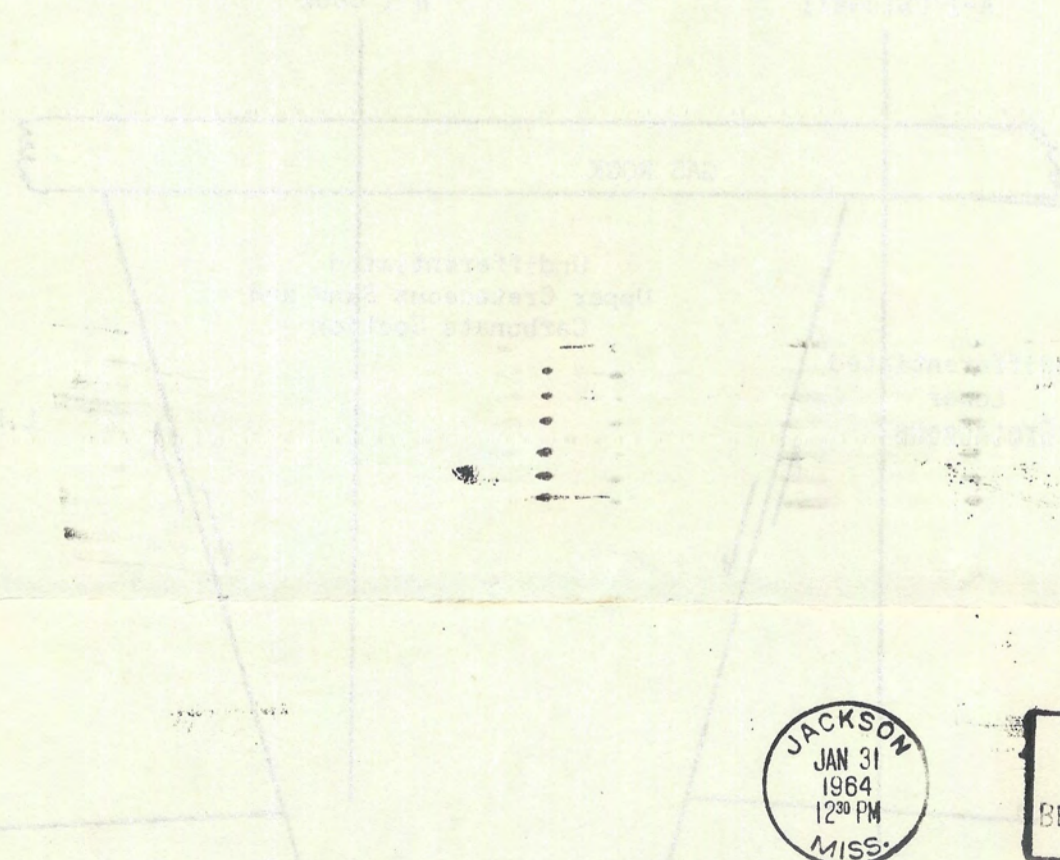
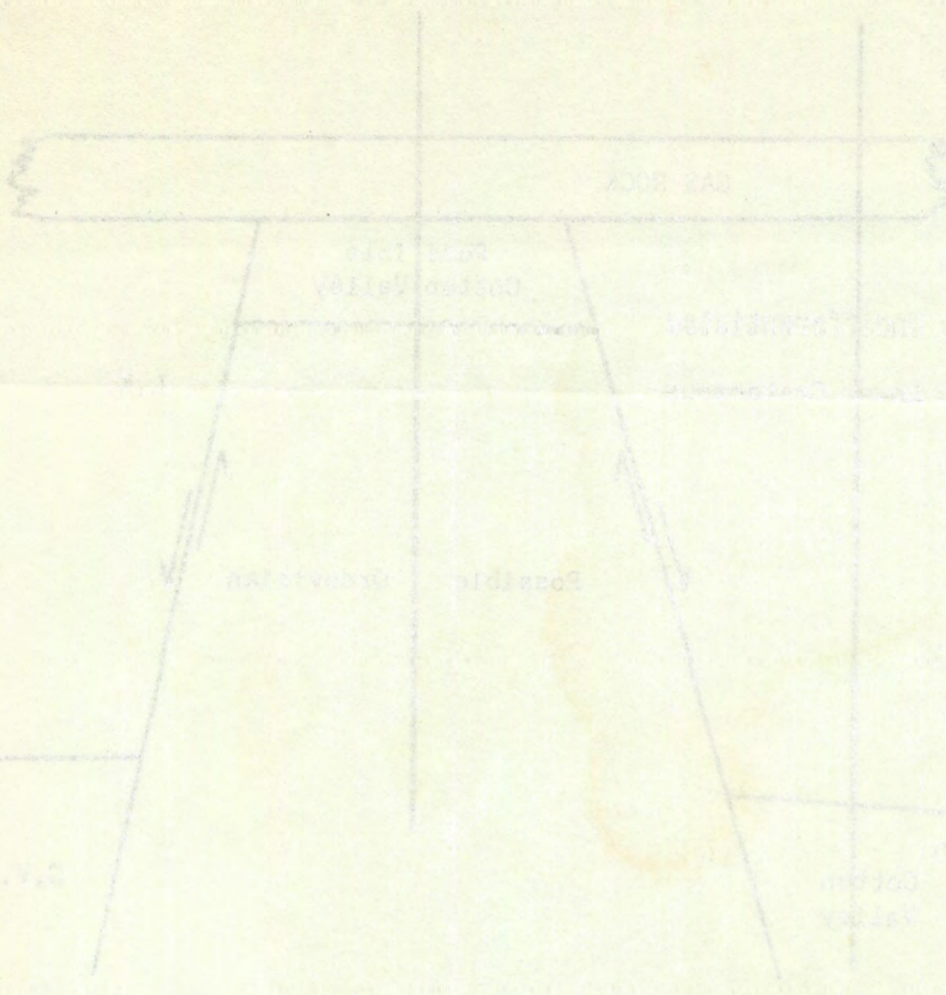


FIGURE 2

Mr. Robert R. Ross  
 807 Vincent Bldg.  
 Jackson, Miss.





# NEWS

# BULLETIN

mississippi geological society



VOLUME XI  
Number 6

MARCH, 1964

### M G S   E X E C U T I V E   C O M M I T T E E

President . . . . .	M. L. Oxley . . . . .	Lone Star Producing Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
Treasurer . . . . .	H. E. Karges . . . . .	Independent Geologist
Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

### 1 9 6 3 - 6 4   C O M M I T T E E   C H A I R M E N

Program . . . . .	R. H. (Sam) Swanson . . . . .	Sinclair Oil & Gas Co.
Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
Publications . . . . .	F. B. St. John . . . . .	Humble Oil & Gas Co.
Nomenclature . . . . .	W. E. (Gene) Taylor . . . . .	Union Producing Co.
Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
News Bulletin . . . . .	John Drobynyk . . . . .	Pan American Petr. Corp.
Projection . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Cores & Samples . . . . .	W. H. (Bill) Moore . . . . .	Miss. Geological Survey
Boy Scouts . . . . .	R. L. (Bob) Nelson . . . . .	Pan American Petr. Corp.
Red Book Supplement . . . . .	Dave Robbins . . . . .	Marathon Oil Co.
Library . . . . .	B. A. Curvin . . . . .	Pan American Petr. Corp.
Insurance . . . . .	E. G. Jeffreys . . . . .	Independent Geologist
Advisory . . . . .	J. G. Goodwin . . . . .	Texaco
Projects . . . . .	Marvin Oxley . . . . .	Lone Star Prod. Co.
Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
Type Localities . . . . .	Charles Welby . . . . .	Univ. Southern Mississippi
AAPG Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
Term Expires 1965 . . . . .	Dave Davis . . . . .	Continental Oil Co.
Term Expires 1965 . . . . .	Jim Bollman . . . . .	Larue-Smith Prod. Co.
G.C.A.G.S. Associate Editor . . . . .	Bob Violette . . . . .	Pan American Petr. Corp.

### M A R C H   M O N T H L Y   M E E T I N G

The Second of a Two-Program Series on the Notorious Phillips Gas Case

#### THE PHILLIPS GAS CASE - EFFECTS ON EXPLORATION

F. C. Fellingham  
Pan American Petroleum Corp., Oklahoma City

On: MONDAY, MARCH 2

At: MILLSAPS COLLEGE - SCIENCE HALL

Time: 7:30 P.M.

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PRESIDENT'S LETTER

In the closing months of the 1963-64 Society year, it is indeed regrettable that we should lose our president, Mr. Bill Skees. He has been transferred to Pan American's Midland, Texas office. Perhaps no one, except Bill, knows the time he has devoted to carrying out the duties of president and the extra effort he has given for such projects as the completion of Volume II of the Redbook and our forthcoming Sandstone Seminar. As you may remember, the Sandstone Seminar was first conceived by Bill while serving as chairman of the Advisory Committee.

It has been chiefly through his efforts that the Society has become aware of the changing national scene and its effect on our profession. In behalf of the Society, I want to thank Bill for his work and to thank Pan American for allowing him to allot a portion of his busy schedule to our interest.

Marvin L. Oxley

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING  
February 20, 1964

The Mississippi Geological Society held a noon business meeting on February 17, 1964. The meeting was called to order by Mr. Oxley at 12:10 P.M. The following announcements were made:

On March 2, 1964, Mr. Fred Fellingham, with Pan American, will present a talk on the legal aspects of the Phillips Gas Case, Part 2.

On April 16, 17 and 18 Professor Langford will present the Sandstone Seminar.

On April 23 the Alabama State Geological Survey will conduct a field trip.

On May 8 the annual spring dance and golf tournament will be held at the Jackson Country Club.

Mr. Dave Robbins has resigned from the Projection Committee and the Redbook Supplement Committee. Dave has been transferred to Tulsa, Oklahoma.

Mr. Dave Harrell's report on the sample preservation was read and will be presented in its entirety in the News Bulletin.

An amendment to the By-Laws was voted on and passed by 19 to 1. The amendment reads as follows:

Be it resolved that Article VI of the By-Laws of the Miss. Geological Society be amended to read as follows: Amendments to the By-Laws may be made by a two-thirds majority of the active membership voting by mailed ballots, to be supplied and mailed by the Society to the active membership, provided a motion to amend said By-Laws has been passed at a regular business meeting by a majority of those active members present at the said meeting. Returned ballots must be post marked within 30 days of the mail out day in order to be counted.

Mr. Oxley closed the meeting and introduced Chief Williams, who gave a demonstration of the Canine Corps of the Jackson Police Department.

NOMENCLATURE COMMITTEE

The Nomenclature Committee recommends that the name SOUTH PUMPKIN PATCH FIELD be given to the new producing area recently discovered by the drilling of the Woolf & Magee-Elliott & Jones-Sun Oil Company-#1 Flowers-Gerald Unit located in Section 18, Township 4 North, Range 6 East, Amite County, Mississippi.

Completion information filed with the Mississippi State Oil and Gas Board is as follows:

Completed February 1, 1964. Well flowed 182 barrels of oil, 5 barrels water, 131 MCF gas per day, 17/64" choke, TP 300#, Gr 42.7° API, GOR 720:1. Producing perforations are 11,003 to 11,008 feet in the Lower Tuscaloosa formation.

The Nomenclature Committee recommends that the recently completed American Petrofina Company of Texas - #1 Bettie P. Deason et al, located in Section 25, T12N, R2E, Yazoo County, Mississippi, be considered as a new pool discovery for Pickens Field of Yazoo and Madison Counties, Mississippi. This well was completed on January 21, 1964, flowing at the rate of 168 barrels of oil, 25.8 MCF gas per day, no water, 12/64" choke, TP 300#, Gr. 38.5° API, GOR 153:1. Producing perforations are 7642 to 7650 feet in the Sligo formation.

REPORT OF SAMPLE COMMITTEE

As chairman of a committee appointed to consider whether the State should require that samples be saved on all wells that penetrate Cretaceous or older formations, I wrote to all the Directors of the Geological Surveys of Arkansas, Louisiana and Oklahoma to inquire whether there was any regulation concerning the saving of samples in those states. I have had replies from the Directors of the Arkansas and Oklahoma Surveys stating that samples are collected on a voluntary basis in those states. They expressed concern about the problem but they say that there is no law that requires that samples be saved. The Director of the Alabama Survey and Chairman of the Oil and Gas Board requests that samples from all wells drilled in Alabama be sent to the State Survey.

The Committee has not been able to have a meeting of all the members but I have talked with them individually and they are of the opinion that it would be best not to take any action at this time that would lead to a legal requirement. It is felt that it is better for the operators to save samples on a voluntary basis rather than to be bound by a burdensome law. Members of the Geological Society should regard it as an obligation to insist on the taking of a good set of properly labeled samples that will be available for examination.

It has been ascertained that Mr. McNeely has a satisfactory arrangement at the present which enables him to wash and cut the samples that are brought to him.

D. C. Harrell  
Chairman of the Sample Committee

G. S. A. MEETING, SOUTHEAST SECTION

Louisiana State University is sponsoring the annual meeting of the Southeast Section of the Geological Society of America at the Capitol House Hotel, Baton Rouge, Louisiana, April 9, 10, 11, and 12, 1964. This will include all day technical sessions on Thursday and Friday on all aspects of Geology, especially laboratory and subsurface results in the southeast. Evening events on the theme "The Role of Geology in the Gulf Coast" include: April 9 - R. J. Russell - "The Challenge of Quaternary Geology" and H. V. Howe - "The Development of Geology in the Gulf Coast." Annual Smoker. April 10 - Annual Banquet. G. E. Murray - "Geologic History and Framework of Gulf-Atlantic Geosyncline." Two 1-day field trips will be offered on Saturday and Sunday, April 11-12. One day Saturday trips: 1) Mississippi River Floodplain and terrace features; Geomorphic features of the intermittently active Baton Rouge fault, including rollover (R.J. Russel, J. P. Morgan, C. O. Durham, Jr.); 2) Underground visit to the new Belle Isle Salt Mine to see salt structures; surface aspects of other domes (D. H. Kupfer). Two day trips: 3) Type area and fossils of Vicksburg and Jackson sediments (A. H. Cheetham). 4) Geology of central Louisiana including upper Cretaceous to Pleistocene strata and the Sabine Uplift (H. V. Andersen). For those desiring more information, a final announcement will be distributed to GSA members about February 10th. Anyone wishing a copy of this announcement, apply to J. E. Rovik. Reservations for field trips must be made by March 10, 1964. Advance registration for the meetings and banquet will greatly assist the local committee to estimate attendance.

MISSISSIPPI GEOLOGICAL SURVEY NEWS

During December and January the Survey completed reconnaissance sampling throughout Mississippi of clays to be tested for light-weight aggregate. This study is in cooperation with the Mississippi Research Commission. Bill Parks and Marshall Kern worked on this project.

The type locality of the Forest Hill was cored and the continuous core displayed at the Sample Library for about 2 weeks. Two splits of the cores are preserved in the Library. Also, Dr. Dick Hedlund, research palynologist of Pan American, flew in from Tulsa to make a cut for his laboratory. The core was also cut by Prof. Wendell Johnson of Millsaps who is studying the mineralogy and properties of the Yazoo clay.

The Survey is actively working in Hinds County. Bill Moore and Marshall Kern are in the field. The core drill rig is running regularly and is now manned by new temporary Survey personnel, a driller and a helper. Good samples and electrical logs are being obtained.

House Bill 203 by Representatives Waits, Cope and Meredith provides for an appropriation of \$326,000 for the next biennium to be used as matching funds for topographic mapping. It has been nearly 35 years since the State put any funds into the program. The present plan, sponsored by the Mississippi Economic Council- State Chamber of Commerce, the Survey, and others, calls for a total State appropriation of \$1,212,000 over the next six years. This will secure coverage of the 20% of the State on which no mapping has been done, completion of work in progress, and remaking of some of the very old quadrangles. Your influence with our Legislature on this important matter is needed NOW.

House Bill 245 by Roy Strickland and 44 other Representatives provides that the Building Commission, in its discretion, may make improvements totalling about \$32,000 to the Mississippi Geological Survey Sample Library and grounds.

The Survey is preparing an exhibit for the annual show of the Mississippi Gem and Mineral Society, February 22-23 at the State Fair Grounds. Governor Paul B. Johnson is scheduled to address the opening of the show. The M. G. & M. S. is introducing a Bill in the Legislature providing for the designation of PYRITE as the Mississippi State Mineral. This matter had been under study for a year or more, and the Survey has been of assistance to the Society in this matter.

The Survey has released two new Bulletins. Bulletin 100, The Mississippi Geological Survey, A Centennial was released in January. The volume contains articles by Eugene A. Smith, Ephraim N. Lowe, William C. Morse, Franklin E. Vestal, William T. Hankins, Frederic F. Mellen and William S. Parks. Dr. Smith's report was prepared in 1870 when he was assistant State Geologist of Mississippi. Dr. Lowe's report is his previously unpublished history of the Mississippi Survey from its original organization in 1850 until its re-organization in 1906. Other items in the volume review the work of the Survey to the present and outline some of the future plans. Largely through mineral resource investigative activities of the Survey, Mississippi, in a third of a century, has climbed from an insignificant 47th place to a highly creditable 20th place in Nation in value of produced minerals. Bulletin 100 is illustrated by 33 photographs, drawings and graphs illustrating mineral industrial growth. It is 184 pages in length, including a comprehensive index to the preceding 99 regular bulletins of the Survey, and is priced at two dollars (\$2.00) per copy.

Mississippi Geological Research Papers-1963 is the title of Bulletin 102. The Bulletin is the result of a research paper contest conducted by the Survey during 1963. Sponsors of the contest were Crown Zellerbach Corporation, Gulf Oil Corporation, International Paper Company, Mississippi Power & Light Company, Mississippi Industrial & Technological Research Commission, Shell Oil Company, Texaco, Inc., and Triad Oil Company. Winner of the first prize of \$500.00 was E. H. Rainwater of Houston, Texas with a paper entitled "Regional Stratigraphy of the Midway and Wilcox in Mississippi." Also included in the Bulletin is another paper by Rainwater on "Late Pleistocene and Recent History of Mississippi Sound between Beauvoir and Ship Island," and one by Thomas F. Torries on "Geology of the Northeast Quarter of the West Point, Mississippi Quadrangle, and Related Bentonites." Bulletin 102 is 98 pages in length, well-illustrated and contains a colored areal geologic plate to accompany the paper by Torries. It may be obtained for \$1.00 per copy. These two bulletins can be ordered from: The Director, Mississippi Geological Survey, P. O. Box 4915, Jackson, Mississippi 39216.

Bill Moore states that a very fine program is being arranged for the Geology and Civil Engineering Section, Mississippi Academy of Sciences. This will be a morning session of the Academy program at 9:00 A. M., Friday, April 17, 1964, at M. S. C. W. in Columbus. Members of the Geological Society are especially invited to attend and to join the Academy,

The Mississippi Geological Survey has circulated form letters addressed to oil operators requesting industry cooperation in the sampling of waters from deep test wells anywhere within the State of Mississippi. The Survey proposes to have a representative present when drill stem or production tests are run on older formations that may give up brines on the tests. The Survey plans to save and preserve these samples until such time as an organized geochemical study can be undertaken. These samples must be collected at the times these tests are run.

The Geological Survey Board had a special meeting on February 4 and February 5 appeared before the House Appropriation Committee. The Budget Commission had recommended a 42.85% increase in the Survey's appropriation. The next regular quarterly meeting of the Board is on March 4.

#### GEOLOGY RE-EDUCATION COURSE

##### Sandstone Seminar

In connection with the favorable response to the education committee's questionnaire last fall, a sandstone seminar has been scheduled for April 16-18. The seminar will be under the direction of Dr. Robert R. Lankford of Rice University. Scheduled for three consecutive days, Thursday, Friday and Saturday, the seminar will include lecture and laboratory work in accordance with the following outline.

SEMINAR AGENDA

RECENT CLASTIC SEDIMENTS AND THEIR APPLICATION TO

ANCIENT ROCKS

- 1:00 - 1:30 P.M. Registration - Thursday, April 16, P.M.
- 1:30 - 1:40 Convene Seminar - Introduction
- 1:40 - 2:00 Statement of Purpose, Methods of approach, Evaluation of Recent Studies with Regard to Ancient Sediments, Uniformitarianism.
- 2:00 - 5:00 Principles of Modern Sedimentation
- A. Source Area and Tectonics (relating the interacting influences of source rock, climate, relief, and rates of weathering and removal of detritus). Comparison to recent in the Inland Sea area of Holland-Germany.
  - B. Transportation to the Basin (stressing distance-time factors, modifications impressed on the detritus, enroute deposition). Lithologic character, sorting, etc.
  - C. Basinal Sedimentation (geosynclinal cycles, cyclothems, transgressions-regressions, horizontal and vertical facies relationships).
  - D. Marine Processes (chemical, physical and biological effects, oceanic circulation tides, waves, biogenous components, etc.).
- 5:00 - 6:30 P.M. Dinner
- 6:30 - 7:30 Marine Environments and their Sediments (Covering the environmental requirements of major sediment types stressing processes of formation).
- 7:30 - 10:00 Faunal Environments (covering principles of animal distribution, observed patterns of distribution, interpretive significance).

FRIDAY, APRIL 17, P.M.

Study of Major Depositional Environments

- 1:00 - 2:00 P.M. Non-Marine Sediments (fluvial and lacustrine systems, their sands and laterally associated deposits).
- 2:00 - 5:00 Near Shore Marine Deposits (Lagoons, estuaries, barriers, and shallow shelf environments, their sediments, fauna and processes; importance to petroleum exploration). Emphasis on the importance of shales in interpreting the depositional environment,
- 5:00 - 6:30 Dinner
- 6:30 - 7:15 Shelf, slope and Deep Sea Deposits (the significance of predominately non arenaceous deposits in exploration recognition criteria, deep sea sands).
- 7:15 - 10:00 Deltaic Deposits. (Stressing volumetric importance of deltaic sediments; delta environments and stratigraphy; constructional and destructional phases).

SATURDAY, APRIL 18, A.M.

- 8:30 - 10:00 A.M. Microscopic and Hand Specimen examination of Recent Sediments and comparison to ancient analogues. (This phase would illustrate the various chemical, lithologic, and biologic criteria necessary for the recognition of environments of deposition).

10:00 - 12:00 Ancient Analogues. (Oligocene Lagoon-Barrier Shelf Analogue and a comparison of an ancient delta to the modern Mississippi Delta).

12:00 - 1:30 Lunch

1:30 - 4:45 Ancient Analogues (To be supplied by any company or individual interested in presenting a case history of a beach bar or river channel sand that produces in some field area in Mississippi).

4:45 - 5:00 Summary Statement

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TREASURER'S REPORT

January 1 to February 1, 1964

On Hand January 1, 1964  
 Checking Account \$1,097.68  
 Savings Account 2,462.50

INCOME AND EXPENSE STATEMENT

	<u>INCOME</u>	<u>EXPENSES</u>
<u>Administrative</u>		
Dues	\$ 6.00	
Assessment for Speakers	6.00	
Boy Scout Field Trips		\$ 65.00
Executive Committee Meeting		8.40
Bank Service Charge		1.28
<u>Meetings</u>		
Distinguished Lecturer Expenses		65.00
Lecturer Expenses		30.40
Refreshments		84.50
<u>Publications</u>		
Withdrawal from Savings	900.00	
Sales	310.00	
Printing - Volume II		1,739.50
Drafting - Volume II Supplement		72.50
Sales Tax		18.00
	\$1,222.00	\$2,084.58
On Hand February 1, 1964		
Checking Account		\$ 235.10
Savings Account (Withdrawal \$900.00; Interest \$52.33)		1,614.83
Paid Membership 1963-1964 as of February 1, 1964....316		
Assessments paid .....169		

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Mississippi Geological Society  
 News Bulletin  
 P. O. Box 689  
 Jackson, Mississippi

Mr. Donald C. Gifford  
 Marr Company  
 1215 Petr. Bldg.  
 Jackson, Mississippi

# NEWS

# BULLETIN



mississippi geological society

VOLUME XI  
Number 7

APRIL, 1964

### M G S   E X E C U T I V E   C O M M I T T E E

President . . . . .	M. L. Oxley . . . . .	Lone Star Producing Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
Treasurer . . . . .	H. E. Karges . . . . .	Independent Geologist
Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

### 1 9 6 3 - 4   C O M M I T T E E   C H A I R M E N

Program . . . . .	R. H. (Sam) Swanson . . . . .	Sinclair Oil & Gas Co.
Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
Publications . . . . .	F. B. St. John . . . . .	Humble Oil & Gas Co.
Nomenclature . . . . .	W. E. (Gene) Taylor . . . . .	Union Producing Co.
Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
News Bulletin . . . . .	John Drobnik . . . . .	Pan American Petr. Corp.
Cores & Samples . . . . .	W. H. (Bill) Moore . . . . .	Miss. Geological Survey
Boy Scouts . . . . .	R. L. (Bob) Nelson . . . . .	Pan American Petr. Corp.
Red Book Supplement . . . . .	Ernie Lambert . . . . .	Marathon Oil Co.
Library . . . . .	B. A. Curvin . . . . .	Pan American Petr. Corp.
Insurance . . . . .	E. G. Jeffreys . . . . .	Independent Geologist
Advisory . . . . .	J. G. Goodwin . . . . .	Texaco
Projects . . . . .	Marvin Oxley . . . . .	Lone Star Prod. Co.
Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
Type Localities . . . . .	Charles Welby . . . . .	Univ. Southern Mississippi
AAPG Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
Term Expires 1965 . . . . .	Dave Davis . . . . .	Continental Oil Co.
Term Expires 1965 . . . . .	Jim Bollman . . . . .	Larue-Smith Prod. Co.
G.C.A.G.S. Associate Editor . . . . .	Bob Violette . . . . .	Pan American Petr. Corp.

### APRIL MONTHLY MEETING

Geology of the Klepec Salt Dome, Washington County, Alabama

By T. A. Joiner, Alabama Geological Survey

The meeting will be at Pop Bailey's Restaurant, Woodrow Wilson Blvd.

Monday, April 6

Happy Hour - 5:30      Dinner - 6:30      Program - 7:30

Price - \$2.50

For reservations, call Miss Billie McGehee, FL 4-1671, before 10:00, Monday, April 6

### COMING SOON!!

ANNUAL GOLF TOURNAMENT AND DANCE

FRIDAY, MAY 8

JACKSON COUNTRY CLUB

MORE DETAILS IN NEXT ISSUE

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING

March 2, 1964

Mr. Oxley called the meeting to order at 7:35 P.M. Mr. Bob Nelson introduced the speaker, Mr. Fred Fellingham, who gave a very informative talk on the actions of the Federal Power Commission since 1954, and its effects on exploration.

Seventeen members were present. The meeting adjourned at 8:15 P. M.

Donald C. Gifford,  
Secretary

JOINT MEETING WITH GEOPHYSICAL SOCIETY

Members of the Mississippi Geological Society have been invited to attend the Monday, April 20, meeting of the Jackson Geophysical Society. Mr. Maynard Jones, of ESI, will speak on "Residual Gravity Aspects of the Smackover." The meeting will take place at the Robert E. Lee Hotel, with cocktails at 5:30, dinner at 6:30, and the speaker at 7:30.

SANDSTONE SEMINAR

Advance registration is now open to persons wishing to attend the Society's Sandstone Seminar, to be conducted by Dr. Robert R. Lankford, of Rice University, on April 16-18. Registration fee is \$10.00. There is a limit of 50 persons, on a first-come, first-served basis. The registration fee must accompany the request for registration. Make checks payable to Mississippi Geological Society, and send them to H. E. Karges, P. O. Box 1635, Jackson, Mississippi.

The seminar schedule is summarized below:

Thursday, April 16

- 1:00-1:30 Registration
- 1:30-5:00 Seminar introduction, principles of modern sedimentation, source area and tectonics, transportation, basinal sedimentation, marine processes.
- 5:00-6:30 Dinner
- 6:30-7:30 Marine environments and their sediments.
- 7:30-10:00 Faunal environments.

Friday, April 17

- 1:00-2:00 Non-Marine sediments
- 2:00-5:00 Nearshore marine deposits
- 5:00-6:30 Dinner
- 6:30-7:15 Shelf, slope, and deep sea deposits
- 7:15-10:00 Deltaic deposits

Saturday, April 18

- 8:30-10:00 Microscopic and hand specimen examination of recent sediments and comparison to ancient analogues
- 10:00-12:00 Ancient analogues
- 12:00-1:30 Lunch
- 1:30-5:00 Ancient analogues

ALABAMA GEOLOGICAL SOCIETY FIELD TRIP

The forthcoming Alabama Geological Society field trip will take place in the vicinity of Birmingham and Blunt Springs, Alabama. Robert Ehrlich of L. S. U. will lead the trip, which will start in the upper part of the Mississippian section and will traverse the marine section of the Pennsylvanian. The trip will be one day, leaving Birmingham at 8:00 A.M. on Saturday, April 25. A pre-trip social hour is being planned for Friday evening, April 24. Registration fee will be \$5.00. In addition, motel room, meals, and a charge for a chartered bus must be paid. Interest members are urged to notify Ron Ohnoutka, FL 4-5703.



HELP WANTED

An advertising chairman for the MGS area and an Associate Editor are needed for this year's GCAGS activities. Society members who are interested in either of these jobs should contact Marvin Oxley as soon as possible.

GULF COAST RESEARCH LABORATORY, OCEAN SPRINGS, MISSISSIPPI

The Gulf Coast Research Laboratory, directed by Dr. Gordon Gunter, will offer several courses in Marine Science during the 1964 Summer Session. The following courses are of particular interest to geologists:

PHYSICAL MARINE GEOLOGY - Geology 361, July 13 - July 31  
A general introduction to the physical processes at work on the shores of Mississippi Sound with emphasis on the erosional and depositional effects of waves and currents. Beaches and spots will be periodically surveyed to measure changes in shape, height, cross-section, lateral growth, and particle distribution and to observe growth and destruction of bars, cusps, spits, and tidepools. Pre-requisites: Physical geology, historical geology, and mineralogy, or permission of Instructor. 3 semester hours graduate or undergraduate credit. Dr. D. A. DeVries.

CHEMICAL MARINE GEOLOGY - Geology 362, August 3 - August 21  
Supervised research in the chemistry of the waters of Mississippi Sound and geochemistry of the bottom. Studies will be made of lateral, vertical, and tidal changes in water composition. Analyses will be made of core samples taken from different environments: bayous, mudflats, bars, oyster reefs, bays, tidal channels, sandy shelves. Pre-requisites: Physical geology, historical geology, mineralogy, Qualitative and Quantitative Analysis, or permission of Instructor. 3 semester hours, graduate or undergraduate credit. Dr. R. R. Priddy.

Expenses for each course are:

3 weeks room and board.....	\$48.00
3 semester hours at \$6.00 per hour.....	<u>\$18.00</u>
Total	\$66.00

Other available courses include Introduction to Marine Botany, Introduction to Marine Zoology, Marine Invertebrate Zoology, Marine Vertebrate Zoology and Ichthyology, Marine Fisheries Biology, and Problems in Zoology.

MISSISSIPPI GEOLOGICAL SURVEY NEWS

From November 20th through the month of March, the Survey's crew and core drill rig have drilled and cored about 9,000 feet of hole. This work was about equally divided between the lightweight aggregate project and Hinds County mineral study project.

On the reconnaissance study of lightweight aggregate materials collected State-wide, 24 samples were submitted for testing by the Ceramic Engineering Department of Mississippi State University. Of these 24 clays, 16 clays were shipped in steel drums to Norris, Tennessee, for processing by the U. S. Bureau of Mines. The report on this investigation should be available in printed form by early summer. Lightweight aggregate is a structural product used in large volume by industry, and its use is expected to increase as improvements in manufacture are made and as supplies of gravel and other heavy aggregates diminish. This project is being directed jointly by the Mississippi Industrial and Technological Research Commission and the Mississippi Geological Survey.

In Hinds County, core drilling has continued and the Survey geologists have been saving samples from these core holes to aid them in stratigraphic classification of the near-surface sediments. As a part of the work that is being done with the core drill and the Survey's Widco logger is the construction of a dip-section and a strike-section through the shallow formations over the Jackson Dome. A NE-SW section with 7 wells spaced at 3 to 4 mile intervals has been drilled and logged. A similar

section running from SE to NW across the center of the Dome is now being constructed, In conjunction with these studies the Survey has cored the type locality of the Jackson (Riverside Park), the type locality of the Byram, the type locality of the Forest Hill, and the type locality of the Yazoo clay. The type locality of the Vicksburg will be cored in the immediate future. The cores from these holes and localities are being studied and the information derived from them is expected to be published in the course of time by the Survey.

As most geologists realize, the type locality of the Jackson and Vicksburg sediments present throughout the Gulf Coast province are right here in Mississippi and are available to us for study. The Survey is, therefore, pleased that it can make use of its drilling, coring, logging and laboratory equipment and facilities for studying these classic exposures.

A slide illustrated lecture on this phase of the work has been prepared by staff geologists Moore, Parks and Kern, who will present it to the Mississippi Academy of Sciences in Columbus on April 17, 1964. Bill Moore, as Chairman of the Geology and Civil Engineering Section of the Mississippi Academy of Sciences, Inc., announces the following program in his section to be presented at M. S. C. W., Columbus, Mississippi on April 17:

A Report on the University of Mississippi Seismological Observatory.  
Fred E. Followill, University of Mississippi..... 9:00 a.m.

In Situ Determinations of the Dynamic Moduli of Earth Materials.  
Robert D. Tapp and Fred E. Followill, University of Mississippi..... 9:15 a.m.

Permeability Measurements on Loess from the Vicksburg Area.  
J. H. Morrow, I. W. Harvey, E. L. Chaney, and W. R. Hendee,  
Millsaps College..... 9:30 a.m.

Geochemistry of Silica. Wendell B. Johnson and Gordon E. Brown, Jr.,  
Millsaps College..... 9:45 a.m.

Comments on the Geochemistry of the Alkali Metals in Some Gulf of  
Mexico Sediments. Charles W. Welby, University of Southern  
Mississippi.....10:00 a.m.

A Study in Geo-epidemiology: Pb, malignant neoplasms, and heart  
disease. Bahngrell W. Brown, University of Southern Mississippi.....10:20 a.m.

Geologic and Hydrologic Conditions of the Tatum Salt Dome Structure  
Lamar County, Mississippi. Joseph W. Lang, U. S. Geological Survey 10:25 a.m.

Type Localities Sampling Program. M. K. Kern, W. H. Moore, and  
W. S. Parks, Mississippi Geological Survey.....10:45 a.m.

Subsurface Investigations for Bridges, Fills and Cuts. John W.  
Green, Jr., Clyde V. Clark, Mississippi State Highway Department....10:55 a.m.

The Upper Devonian-Lower Mississippian Black Shale Problem.  
David V. Le Mone, University of Southern Mississippi.....11:15 a.m.

An Unusual Fault, U. S. Highway 61, North, Near Vicksburg.  
Richard R. Priddy, William T. Bundy, Jr., and Gordon E. Brown,  
Millsaps College.....11:35 a.m.

Pseudoanticlines in Vicksburg Loess. Richard R. Priddy, J. Y.  
Christmas, III., Julia G. Ward, Millsaps College.....11:50 a.m.

Several Loess Blankets in the Vicksburg Hills. Richard R. Priddy,  
Raymond L. Lewand, and Edward H. McGee, Millsaps College.....12:05 p.m.

The Survey is still vitally interested in the passage of HB 203 which would provide matching funds for topographic mapping in the State. It is also interested in the immediate passage of HB 245 which will appropriate approximately \$32,000 for an addition to the Sample Library Building and some additional facilities and equipment in the Sample Library. Members of the Society who recognize the need and value of the items to be provided under these two Bills should lose no opportunity to speak to members of the Legislature about their need and worth.

The Survey recently has received from major oil companies, as well as individuals, additional core hole logs and samples. The Survey believes that through such contributions and the utilization of all available information it can be of major assistance in working out some of the problems of stratigraphy and correlation in Mississippi.

G. S. A. MEETING, SOUTHEAST SECTION

Louisiana State University is sponsoring the annual meeting of the Southeast Section of the Geological Society of America at the Capitol House Hotel, Baton Rouge, Louisiana, April 9, 10, 11, and 12, 1964. This will include all day technical sessions on Thursday and Friday on all aspects of Geology, especially laboratory and subsurface results in the southeast. Evening events on the theme "The Role of Geology in the Gulf Coast" include: April 9 - R. J. Russell - "The Challenge of Quaternary Geology" and H. V. Howe - "The Development of Geology in the Gulf Coast." Annual Smoker. April 10 - Annual Banquet. G. E. Murray - "Geologic History and Framework of Gulf-Atlantic Geosyncline." Two 1-day field trips will be offered on Saturday and Sunday, April 11-12. One day Saturday trips: 1) Mississippi River Floodplain and Terrace features; Geomorphic features of the intermittantly active Baton Rouge fault, including rollover (R. J. Russel, J. P. Morgan, C. O. Dorham, Jr.); 2) Underground visit to the new Belle Isle Salt Mine to see salt structures; surface aspects of other domes (D. H. Kupfer). Two day trips: 3) Type area and fossils of Vicksburg and Jackson sediments (A. H. Chetham). 4) Geology of central Louisiana including Upper Cretaceous to Pleistocene strata and the Sabine Uplift (H. V. Andersen). For those desiring more information, a final announcement will be distributed to GSA members about February 10th. Anyone wishing a copy of this announcement, apply to J. E. Rovik. Reservations for field trips must be made by March 10, 1964. Advance registration for the meetings and banquet will greatly assist the local committee to estimate attendance.

March 1, 1964

Treasurer's Report  
Mississippi Geological Society  
February 1 to March 1, 1964

On Hand February 1, 1964

Checking Account	\$ 235.10
Savings Account	1,614.83

INCOME AND EXPENSE STATEMENT

	<u>INCOME</u>	<u>EXPENSES</u>
<u>Administrative</u>		
Assessment	\$ 2.00	
Bank Service Charge		\$ 0.71
<u>Meetings</u>		
Printing and Mailing Announcements		22.20
<u>Newsletter</u>		
Printing and Mailing		62.32
<u>Publications</u>		
Sales	<u>171.75</u>	
	\$173.75	<u>85.23</u>

On Hand March 1, 1964

Checking Account	\$ 123.62
Savings Account	1,614.83

Paid Membership 1963-1964 as of March 1, 1964.....316  
(Assessments paid....170)

H. E. Karges, Treasurer  
Mississippi Geological Society

U. S. A. MEETING, SOUTHEAST SECTION

Louisiana State University is sponsoring the annual meeting of the Southeast Section of the Geological Society of America at the Capitol House Hotel, Baton Rouge, Louisiana, April 9, 10, 11, and 12, 1964. This will include all day technical sessions on Thursday and Friday on all aspects of Geology, especially laboratory and subsurface results in the southeast. Evening events on the theme "The Role of Geology in the Gulf Coast" include: April 9 - R. J. Russell - "The Challenge of Quaternary Geology" and A. V. Rowe - "Geology in the Gulf Coast"; Annual Meeting, April 10 - Annual Meeting of Gulf-Alantic Geologists; and Sunday, April 11-12 - the Louisiana Geological Society's 25th Anniversary. For more information, contact Mr. Marlin L. Roberts, 1215 Petroleum Bldg., Marr Co. Jackson, Mississippi.

Mr. Marlin L. Roberts  
Marr Co.  
1215 Petroleum Bldg.  
Jackson, Mississippi



MISSISSIPPI  
March 1, 1964

On hand February 1, 1964

INCOME AND EXPENSE STATEMENT	
EXPENSES	INCOME
\$ 235.10	
1,814.83	
\$ 2,049.93	
22.50	
20.30	
171.75	
\$ 2,049.93	
\$ 123.83	
1,814.83	
\$ 1,938.66	

H. E. Kasper, Treasurer  
Mississippi Geological Society

# NEWS

# BULLETIN

mississippi geological society



VOLUME XI  
Number 8

MAY, 1964

## MGS EXECUTIVE COMMITTEE

President . . . . .	M. L. Oxley . . . . .	Lone Star Producing Co.
Secretary . . . . .	D. C. Gifford . . . . .	Marr Co.
Treasurer . . . . .	H. E. Karges . . . . .	Independent Geologist
Past President . . . . .	R. B. Ross . . . . .	Independent Geologist
Program Chairman . . . . .	R. H. Swanson . . . . .	Sinclair Oil & Gas Co.

## 1963 - 4 COMMITTEE CHAIRMEN

Program . . . . .	R. H. (Sam) Swanson . . . . .	Sinclair Oil & Gas Co.
Entertainment . . . . .	R. R. (Bob) Jacobs . . . . .	Union Producing Co.
Publications . . . . .	F. B. St. John . . . . .	Humble Oil & Gas Co.
Nomenclature . . . . .	W. E. (Gene) Taylor . . . . .	Union Producing Co.
Publicity . . . . .	Dean M. Miller . . . . .	First National Bank
News Bulletin . . . . .	John Drobnyk . . . . .	Pan American Petr. Corp.
Cores & Samples . . . . .	W. H. (Bill) Moore . . . . .	Miss. Geological Survey
Boy Scouts . . . . .	R. L. (Bob) Nelson . . . . .	Pan American Petr. Corp.
Red Book Supplement . . . . .	Ernie Lambert . . . . .	Marathon Oil Co.
Library . . . . .	B. A. Curvin . . . . .	Pan American Petr. Corp.
Insurance . . . . .	E. G. Jeffreys . . . . .	Independent Geologist
Advisory . . . . .	J. G. Goodwin . . . . .	Texaco
Projects . . . . .	Marvin Oxley . . . . .	Lone Star Prod. Co.
Education . . . . .	Ron Ohnoutka . . . . .	Pan American Petr. Corp.
Type Localities . . . . .	Charles Welby . . . . .	Univ. Southern Mississippi
AAPG Representative		
Term Expires 1964 . . . . .	Rudy Ewing . . . . .	Dixie Geological Survey
Term Expires 1965 . . . . .	Dave Davis . . . . .	Continental Oil Co.
Term Expires 1965 . . . . .	Jim Bollman . . . . .	Larue-Smith Prod. Co.

## MAY MONTHLY MEETING

### ANNUAL FREE BARBEQUE - ELECTION OF OFFICERS

Place: Costas' Lodge (same place as last year)

Date: Monday, May 25th

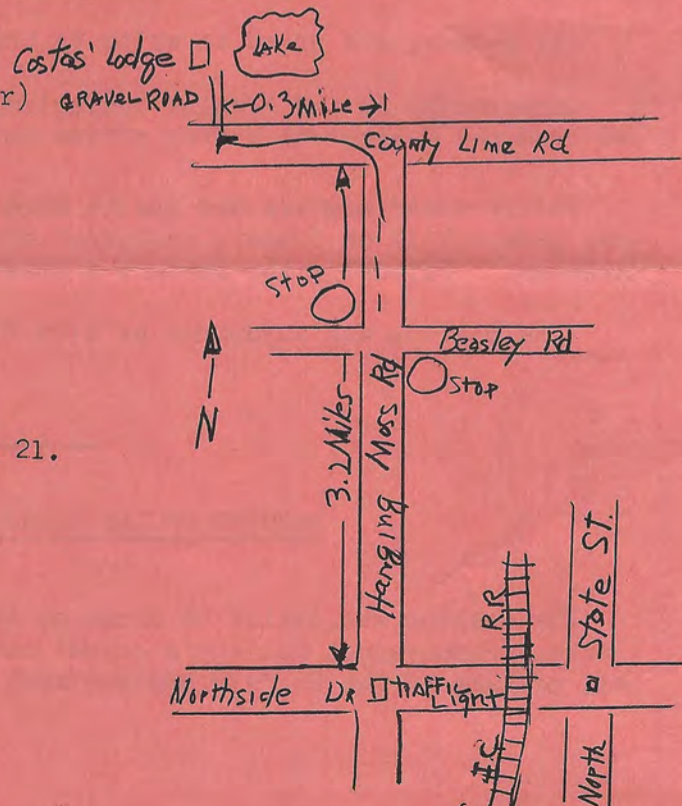
Time: 4:00 p.m. -- Dinner: 6:00 p.m.

RESERVATIONS MUST BE MADE FOR THIS DINNER

--- MAKE THEM NOW!!

For Reservations, please notify Miss Billie McGee at 354-1671 by 4:00 p.m., Thursday, May 21.

See Page 3 for Official List of Candidates for 1964-65 Officers.



TREASURER'S REPORT

March 1 to April 1, 1964

On Hand March 1, 1964	
Checking Account (corrected)	\$ 323.62
Savings Account	1,614.83

INCOME AND EXPENSE STATEMENT

	<u>INCOME</u>	<u>EXPENSES</u>
<u>Administrative</u>		
Insurance Floater		\$ 66.40
Bowling Trophy Contribution		25.00
Bank Service Charge		0.66
<u>Meetings</u>		
Postcard Announcements		39.24
<u>Newsletter</u>		
Printing and mailing		48.16
<u>Publications</u>		
Sales	\$ 488.05	
Drafting on Vol. II Supplements		16.00
Reproductions for Vol. II Supplements		8.98
	<u>\$ 488.05</u>	<u>\$ 204.44</u>
On Hand April 1, 1964		
Checking Account		\$ 607.23
Savings Account		1,614.83

Paid Membership 1963-1964 as of April 1, 1964 - 316  
 Assessments Paid - 169

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING  
 April 6, 1964

Mr. Oxley called the meeting to order at 7:30 P.M. and made the following announcements:

Approximately 30 people have signed up for the Sandstone Seminar to be given April 16-18.

The Mississippi Geological Society will have a joint meeting with the Jackson Geophysical Society on April 20, to hear Mr. Maynard Jones speak on "Residual Gravity of the Smackover."

Mr. Charles Welby is Associate Editor and Julius Ridgway is the Advertising Chairman for the GCAGS convention this year.

All members are urged to write to their Legislators on the Unitization Bill.

Memberships in the Alabama Geological Society are now open. Applications can be obtained from the Geological Survey office in Tuscaloosa.

Thirty-seven members and guests were present. Mr. Sam Swanson introduced Mr. Tom Joiner who gave a talk on "Upper Cretaceous Structural History of the Klepec Dome in Clarke County, Alabama." Following the lecture a question and answer period was held.

The meeting was adjourned at 8:45 P.M.

D. C. Gifford  
 Secretary

MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING  
 May 11, 1964

The meeting was called to order by Marvin Oxley at 12:30 P.M. Mr. Oxley announced the Jackson Geophysical Society's annual outing May 23 at 4:00 P.M., Shady Oaks Country Club. All members of the Society are invited.

The Nominating Committee presented the following candidates for next year's offices:

President

- (1) J. F. Bollman.....Larue-Smith Production Co.
- (2) D. E. Herlihy.....Delta Exploration Company

Vice-President

- (1) E. R. Hines.....Miss-Tex Oil Producers
- (2) W. H. Moore.....Mississippi Geological Survey
- (3) R. H. Swanson.....Sinclair Oil & Gas Co.

Secretary

- (1) R. C. Ohnoutka.....Pan American Petroleum Corp.
- (2) S. W. Welch.....Shell Oil Company

Treasurer

- (1) S. L. Blanton.....Sun Oil Company
- (2) C. D. Champlin.....Independent

No additional nominations came from the floor. The nominations were closed by Gene Taylor and seconded by M. F. Shelton. Election day will be May 25, 1964, Monday night at Costas' Lake, with barbeque and beer,

Mr. Sam Swanson recommended that our delegates to the AAPG Convention in Toronto be instructed to support voluntary certification if it appears that no politics is involved. The recommendation was voted on and passed.

The meeting was closed at 1:10 P.M.

Donald C. Gifford  
Secretary

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MISSISSIPPI GEOLOGICAL SURVEY

During the month of April the Survey staff has continued work on its three major projects:

- 1. The reconnaissance survey of lightweight aggregate materials of Mississippi.
- 2. The geology and mineral resources of Hinds County.
- 3. The geology and mineral resources of Rankin County.

The Survey's Failing 750 drilling rig was shut down on March 26 for repairs and the Survey's Widco electrical logger is being overhauled in Widco's shops in Houston, Texas. Both of these items of equipment should be back in operating condition within a few days.

The Mississippi Academy of Sciences had a very successful annual meeting at M.S.C.W. on April 17. Geology and Civil Engineering Section Chairman, William H. Moore, presided over an outstanding program on the geology of Mississippi and related subjects. Unfortunately, the sandstone seminar was scheduled in conflict with the Academy session and cut down somewhat on the attendance. We hope that further Society programs will take the Academy's annually scheduled meeting into future consideration.

Professor Fred Followill of the University of Mississippi was elected chairman of the Geology and Civil Engineering Section of the Academy for the coming year. All geologists are urged to consider presenting papers before the Academy and should communicate with Professor Followill in regard to the 1965 program.

During April the following public appearances were made or will be made by members of the Survey staff:

Fred Mellen spoke to the Malabouchia Chapter of the National Secretaries Association on April 7, and on April 9 he spoke before the Lumberton's Womens Club.

Marshall Kern spoke to the science students at Prentiss High School on April 16.

William S. Parks spoke to the science students at Ellisville High School on April 23, and he is scheduled to speak to science classes at Topeka-Tilton High School at Monticello on April 29.

William H. Moore will speak to science students at Vicksburg High School on April 28.

On April 19th through April 22nd, Mr. Z. S. Altschuler of the U.S.G.S. Geochemical and Petrological Service Section visited the Survey for a series of office and field conferences related to geochemical alterations of clays and other sediments.

Utica West 7 1/2 minute and Fayette 15 minute topographic quadrangles have just been released and are available at 30¢ per copy from The Director, U. S. Geological Survey, Washington 25, D. C.

GULF COAST RESEARCH LABORATORY, OCEAN SPRINGS, MISSISSIPPI

The Gulf Coast Research Laboratory, directed by Dr. Gordon Gunter, will offer several courses in Marine Science during the 1964 Summer Session. The following courses are of particular interest to geologists:

PHYSICAL MARINE GEOLOGY - Geology 361, July 13 - July 31  
A general introduction to the physical processes at work on the shores of Mississippi Sound with emphasis on the erosional and depositional effects of waves and currents. Beaches and spots will be periodically surveyed to measure changes in shape, height, cross-section, lateral growth, and particle distribution and to observe growth and destruction of bars, cusps, spits, and tidepools. Pre-requisites: Physical geology, historical geology, and mineralogy, or permission of Instructor. 3 semester hours graduate or undergraduate credit. Dr. D. A. DeVries.

CHEMICAL MARINE GEOLOGY - Geology 362, August 3 - August 21.  
Supervised research in the chemistry of the waters of Mississippi Sound and geochemistry of the bottom. Studies will be made of lateral, vertical, and tidal changes in water composition. Analyses will be made of core samples taken from different environments: bayous, mudflats, bars, oyster reefs, bays, tidal channels, sandy shelves. Pre-requisites: Physical geology, historical geology, mineralogy, Qualitative and Quantitative Analysis, or permission of Instructor. 3 semester hours, graduate or undergraduate credit. Dr. R. R. Priddy.

Expenses for each course are:

3 weeks room and board.....	\$48.00
3 semester hours @ \$6.00 per hour.....	\$18.00
Total	\$66.00

Other available courses include Introduction to Marine Botany, Introduction to Marine Zoology, Marine Invertebrate Zoology, Marine Vertebrate Zoology and Ichthyology, Marine Fisheries Biology, and Problems in Zoology.

NOMENCLATURE COMMITTEE

The Nomenclature Committee recommends that the name MOUNT OLIVE FIELD be given to the new producing area recently discovered by the drilling of the Triad Oil & Gas Company, et al, - #1 Seaser S. Shelby located 484 feet from North line & 400 feet from East line of the SE/4 SE/4 Section 31, Township 10 North, Range 16 West, Smith County, Mississippi.

Completion information filed with the Mississippi State Oil and Gas Board is as follows:

Completed April 7, 1964. Well flowed 1572 MCF gas, 35 barrels of 37<sup>o</sup> gravity oil, 204 barrels salt water per day, 12/64" choke, TP 3250#. Producing perforations are 12824 to 12832 feet and 12854 to 12860 feet in the Paluxy formation.

SANDSTONE SEMINAR

The Mississippi Geological Society's re-education course entitled "Recent Clastic Sediments and Their Application to Ancient Rocks," conducted by Dr. R. R. Lankford of Rice University appears to have been a tremendous success. The 52 participants attending seemed very pleased, and many expressed their appreciation for having the opportunity to better understand the physical and chemical processes that take place in different environments of deposition.



Dr. Lankford should be congratulated for a job well done. However, most of the credit should be given to Bill Skees who conceived the idea of having a seminar and pushed the educational committee of the Society to fulfill his intent.

There was considerable desire among the geologists attending for continued re-education. The number of persons attending the sandstone seminar bears this out. Suggestion were one on "Carbonate Rocks," and another on "Structural Interpretations." You can give this some thought over the summer months.

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M A N Y T H A N K S

To the following contributors who helped to make the MGS Annual Golf Tournament and Spring Dance a great success:

Baroid  
D. A. Biglane  
Central Oil Company  
Cook Drilling Company  
Delta Exploration Company  
Deposit Guaranty Bank  
Diamond Coring Service  
Dixie Geological Service  
Engineering Service  
First National Bank  
Gulf Coast Drilling Company  
Halliburton  
Red Hancock  
C. F. Hayes  
Heidelberg, Woodliff & Franks  
J. Willis Hughes  
Lane-Wells  
LaRue-Smith Production Co.  
Bob Legate  
Lester & Witcher Abstracts  
Love Petroleum Company  
Lyle Cashion Company  
M. R. Young Drilling Company  
McIntosh & McIntosh Abstracts  
Miller Oil Purchasing  
Neely Blueprint  
Oil Well Logging Company  
Pruet Drilling Company  
Reading & Bates, Inc.  
Ridgway's  
Rinehart Oil Reports  
Schlumberger  
Seismograph Service Corporation  
Tinsley Well Service  
Tobin Aerial Surveys  
Tri-State Oil Tool Company  
L. A. Wyatt  
Wells, Thomas & Wells  
Western Geophysical Company

Mr. Donald C. Gifford  
Marr Company  
1215 Petr. Bldg.  
Jackson, Mississippi

