

# NEWS

# BULLETIN



mississippi geological society

VOLUME XII  
Number 1

SEPTEMBER, 1964

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

President . . . . .	J. F. Bollman . . . . .	Larco Drilling Corp.
Vice President . . . . .	E. R. Hines, Jr. . . . .	Miss-Tex Oil Prod.
Secretary . . . . .	R. C. Ohnoutka . . . . .	Pan American Petr. Corp.
Treasurer . . . . .	S. L. Blanton . . . . .	Sun Oil Co.
Past President . . . . .	M. L. Oxley . . . . .	Lone Star Prod. Co.

### 1 9 6 4 - 5   C O M M I T T E E   C H A I R M E N

Program . . . . .	G. B. Vockroth . . . . .	The California Co.
Publications . . . . .	S. W. Welch . . . . .	Shell Oil Co.
Entertainment . . . . .	D. C. Gifford . . . . .	Marr Company
News Bulletin . . . . .	C. A. Barton . . . . .	Gulf Coast Drilling & Expl.
Nomenclature . . . . .	W. E. Craft . . . . .	Consulting Geologist
Red Book Supplement . . . . .	J. F. Fritz . . . . .	Independent Geologist
Publicity . . . . .	D. T. Franklin . . . . .	Southwest Gas Prod. Co.

### A A P G   D I S T R I C T   R E P R E S E N T A T I V E S

Term Expires 1966 . . . . .	W. D. Lynch . . . . .	The California Co.
Term Expires 1965 . . . . .	J. F. Bollman . . . . .	Larco Drilling Corp.
Term Expires 1965 . . . . .	(To be elected)	

Nominations will be called for at the first meeting of the new year to choose candidates to fulfill the unexpired term of Dave Davis who was transferred. His term as AAPG District Representative expires at the adjournment of the AAPG meeting in 1965.

### SEPTEMBER MONTHLY MEETING

### JURASSIC EXPLORATION OF UPPER GULF COASTAL PLAIN FROM NE MEXICO TO ALABAMA

by

R. W. EATON  
P. G. Lako, Inc., Tyler, Texas

ON: MONDAY, SEPTEMBER 14

AT: CLUB ROBERT E LEE, ARLINGTON ROOM

TIME: SOCIAL 5:15 P.M. - DINNER 6:30 P.M.

PRICE: DINNER \$3.00

For reservations, call Don Gifford at 352-0702 by 4:00 p.m. Thursday, Sept. 10

This promises to be a very informative meeting as Mr. Eaton has made extensive studies of the Jurassic. He has recently spent some time in Mexico where he examined the samples from 29 wells which penetrated Jurassic sediments. He has also studied samples and electric logs of wells throughout Texas, Louisiana, Mississippi and Alabama. He is familiar with the regional lithology, stratigraphy, reservoir and producing characteristics of the Smackover Formation and is considered one of the foremost authorities on Jurassic exploration of the Upper Gulf Coastal Plain.



MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING

May 25, 1964

The meeting of the Mississippi Geological Society was held at Costas Lodge on May 23, where all present enjoyed the annual free barbeque.

Marvin Oxley called the meeting to order at 7:30 p.m. to announce the election of new officers for the 1964-65 term. Society members elected the following candidates:

President - - - - - James F. Bollman  
Larco Drilling Corporation

Vice President - - - - - E. R. Hines, Jr.  
Miss.-Tex. Oil Producers

Secretary - - - - - R. C. Ohnoutka  
Pan American Petroleum Corp.

Treasurer - - - - - S. L. Blanton  
Sun Oil Company

The meeting was closed at 8:00 p.m.

R. C. Ohnoutka  
Secretary

TREASURER'S REPORT

The treasurer reports that it is impossible at the present time to compile an accurate financial statement due to the influx of 1964-1965 dues. He does report, however, the Society is in sound financial shape.

RED BOOK SUPPLEMENT COMMITTEE

Mr. Joe Fritz, chairman of the Red Book Supplement Committee, reports that field maps of Baxterville, Mize, Pelahatchie, Raleigh and Reedy Creek Deep Fields should be ready for issuance in about 5 weeks.

MISSISSIPPI GEOLOGICAL SURVEY

The Survey has purchased a Neltronic electrical logger with gamma ray attachments and 3300 feet of armored cable. On August 17 and 18 the equipment was tested and demonstrated in a 360-foot test hole drilled on the Sample Library property. The new equipment is a valuable addition to the Survey's previous 950-foot capacity of its Widco logger.

The Mississippi State Building Commission has awarded architectural contract to Malvaney & Associates for an addition of 4800 square feet of floor space to the Sample Library Building. Plans call for increased office space and a work shop, and for garage space.

Bulletin 103, "Survey of Lightweight Aggregate Materials of Mississippi," by Geologist William S. Parks, Engineer Clyde A. McLeod, and Metallurgist-Ceramist Allen G. Wehr, has just been released. The work was a joint project of the Survey and the Research Commission. Bulletin 103 is available from the Director, Mississippi Geological Survey, Box 4915, Jackson, Mississippi 39216 at \$2.00 per copy postpaid.

Alvin R. Bicker, Jr. joined the Survey Staff as subsurface geologist from Texas Gulf Producing Company at Midland, Texas on June 15. Lloyd W. Simpson, Jr.,



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VOLUME XII  
Number 2

OCTOBER, 1964

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Vice President . . . . .	E. R. Hines, Jr. . . . .	Miss-Tex Oil Prod.
Secretary . . . . .	R. C. Ohnoutka . . . . .	Pan American Petr. Corp.
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## O C T O B E R   M O N T H L Y   M E E T I N G

An Efficient Gas Displacement Project  
Raleigh Field, Mississippi

or

"How To Make A Dollar Out of 21 Cents"

by

B. D. Meltzer

The California Company, Jackson, Mississippi

This is a preview of a paper to be presented at the Annual Fall Meeting of the Society of Petroleum Engineers of AIME in Houston on October 12, 1964. Mr. Meltzer, as Division Reservoir Engineer, has been working with the Raleigh Field since it was discovered in 1957. The major accumulations in this Lower Cretaceous field are unitized. The operators have used the unit gas available from various gas and oil sands to maintain pressure in the larger oil pools. As a result of very favorable conditions, high recoveries are being realized from this secondary recovery program. The program is far enough advanced in the 12,600' Hosston Oil Sand to clearly show the dramatic results of gas injection.

On: Monday, October 5, 1964

At: Club Robert E. Lee - Arlington Room

Time: Social 5:15 P.M. (No sooner) - Dinner 6:30 P.M. - \$3.00

For Reservations call Don Gifford before Noon, Monday Oct.5 - 352-0702.



MINUTES OF THE MISSISSIPPI GEOLOGICAL SOCIETY MEETING

September 14, 1964

The first meeting of the Mississippi Geological Society for the year 1964-65 was held on Monday, September 14, 1964, at the Club Robert E. Lee. The meeting was called to order at 7:00 p.m. by President Jim Bollman.

Mr. Bollman complimented an excellent turn out.

In the way of new business Mr. Bollman asked for nominations from the floor for District Representatives to the A.A.P.G. Nominees were C. C. Humphries and Don Franklin. No additional nominations came from the floor.

Mr. G. B. Vockroth introduced Mr. R. W. Eaton with P. G. Lako, Inc. of Tyler, Texas, who gave a very informative talk entitled "Jurassic Exploration of the Upper Gulf Coastal Plain from New Mexico to Alabama.

The meeting was adjourned at 9:05 p.m.

R. C. Ohnoutka  
Secretary

TREASURER'S REPORT

The treasurer reports that the savings and trust account has not changed since the last report and that the Society has \$1,736.56 on hand in the checking account.

G.C.A.G.S. 14TH ANNUAL MEETING

The G.C.A.G.S. will hold their annual meeting in Corpus Christi, Texas, October 28-30. The theme of this year's meeting is "Trends Old and New."

MISSISSIPPI GEOLOGICAL SURVEY

At the September meeting of the Survey Board, authorization was given to stock all available topographic maps of Mississippi for sale to the public. This is being done on a limited basis due to the fact that the provision has not yet been made for filing this stock of maps. On September 12 bids were received by the Building Commission for the addition to the Geological Survey Sample Library Building and construction is expected to begin shortly after the 1st of October. When this space is provided, shelving for topographic maps will be built along with additional shelving for the storage of samples and cores.

On September 24, State Geologist Fred Mellen spoke to the Jackson Chapter of the Society of Professional Engineers at Primos Northgate Restaurant on the subject "Current Projects of the Mississippi Geological Survey." The discussion centered on the services of the Geological Survey in the development of ground water geology, mineral resource geology and topographic mapping.

On September 22, Bill Moore working Hinds County, Marshall Kern working Rankin County, took a trip down the Pearl River by boat from Riverside Drive to Byram. They were accompanied by Clarion-Ledge Staff Photographer, Perry Nations, and were successful in securing valuable geological observations and photographs. Completion of the report on the geology and mineral resources of Hinds County is now scheduled for April 1, 1965, and the report will be scheduled a few months later on Rankin County.

On September 29, Fred Mellen attended a joint meeting of the Pat Harrison and Pearl River Waterways Districts at Hattiesburg at which plans for the promotion and development of the two districts were discussed.



MISSISSIPPI GEM AND MINERAL SOCIETY

The Mississippi Gem and Mineral Society announces their annual meeting will be held at the Mississippi State Fairgrounds on Saturday and Sunday, February 20 and 21.

Hours will be from 10 A.M. till 10 P.M. on Saturday and from 12:00 Noon till 6 P.M. on Sunday.

The Mississippi Geological Society is planning to have a display booth at this show as has been our yearly custom. Members of the Society who are willing to devote time in helping maintain this display are urged to contact President Jim Bollman prior to our January 25th meeting.

EXECUTIVE COMMITTEE MEETING

The Executive Committee of the Mississippi Geological Society met January 6, 1965. Two main topics were discussed as follows:

1. Permanent card file on Society membership - It was brought to our attention that our membership records do not reflect the type of membership or professional status of our members. After discussing this, it was decided that it would be desirable and would help future administrations of the Society greatly if we prepared a permanent card file on our membership. It was resolved that Mr. Ron Ohnoutka, our secretary, should prepare a self-addressed postal reply form to be filled out and returned by all members. Information contained herein would indicate whether a person is a regular, associate, out-of-state member; whether he is a geologist, geophysicist, petroleum engineer, sales representative, student, etc.; company affiliation, job title; and other pertinent information. These information forms should be sent out soon. Your cooperation in returning these promptly will be appreciated.

2. System of Accounting - There is a strong need for an adequate system of accounting or bookkeeping to be followed in the handling of Society affairs. We discussed the possibility of the Society employing permanent part-time professional help locally to set-up a bookkeeping system, to supervise the record-keeping periodically, and to aid in filing tax forms. The executive committee feels that this may be very worthwhile if the expense is moderate. This would standardize our business procedure permitting a smoother transfer of duties from one administration to the next and insure that the Society's transactions are handled continually in a businesslike manner. Also, the Society would maintain a stronger position with the tax department. It was resolved that the Executive Committee should investigate the above proposition. This is being done and as soon as all the information is gathered it will be relayed to the membership and an appropriate motion put before the society.

EXECUTIVE COMMITTEE  
MISSISSIPPI GEOLOGICAL SOCIETY

PRESIDENT.....	James F. Bollman	SECRETARY.....	R. C. Ohnoutka
VICE PRESIDENT.....	E. R. Hines, Jr.	TREASURER.....	S. L. Blanton

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MISSISSIPPI GEOLOGICAL SURVEY

Improvements to quarters: The addition and improvements to the Sample Library Building at 2525 North West Street are progressing rapidly. Within a few months the Geological Survey will be in a better position to render service than it has been in many years. Aside from an increase in office space, 4800 square feet are provided under new construction. These improvements were provided by the Legislature. Members of the Society will recall that when the Sample Library was built in 1960 it was with funds provided by the Mississippi Building Commission, matched by donations from the Petroleum Industry. Contributors were assured that there would be only one request and that the State would maintain the Library in the future.

The completion of the new construction will permit the Survey, for the first time in 35 years or more, to have all of its collections and equipment under one roof.

Eighteen ranges of steel shelving have been ordered. The size of this increase may be compared with the 13 ranges of shelving now in use.

Topographic maps. Recently, the Board ordered the Survey to commence the stocking of topographic maps. In the near future, all available topographic maps of Mississippi will be available at the Survey office at the official price, 30¢ per copy.

Four sheets of the Jackson area, Jackson, Jackson SE, Madison and Ridgeland on a scale of 1:24,000 and with 10-foot contour intervals are now available.



The Survey has continued its efforts to arouse public interest to the necessity for completing the topographic mapping of the State in the shortest possible time. About 20% of the State (mostly in the heart of the oil-producing areas) has never been covered, and another 20% has maps badly out-dated. Adequate topographic maps are a recognized essential to exploration and development of mineral resources, and to industrial development in the commonwealth.

Bulletin 104. "Mississippi Geologic Research Papers, 1964," Survey Bull. 104, was distributed in December. It contains the following items:

Type Localities Sampling Program, W. H. Moore, W. S. Parks, and M. K. Kern.

Hilgard as a Geologist, Henry V. Howe.

Plant Microfossils from the Eocene Cockfield Formation.

Hinds County, Donald W. Engelhardt.

Current Projects of the Mississippi Geological Survey, Fred Mellen.

Well Logging by Mississippi Geological Survey, A. R. Bicker, Jr. and Fred Mellen.

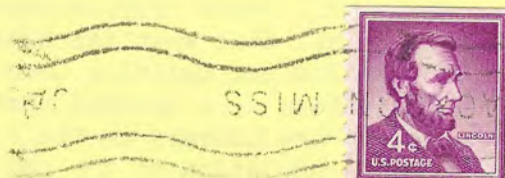
This 127 page Bulletin 104 is priced at \$2.00 and may be ordered from the Director, Mississippi Geological Survey, Box 4915, Jackson, Mississippi 39216.

Well Logging. The Survey is interested in logging by samples, gamma ray or by electrical log any shallow bore holes that will not otherwise be logged. Two electrical loggers are in current use, having capacities of 950 and 3300 feet. The surface holes of oil and gas wells represent a great source of potential information now being neglected. Also, it is estimated that about 90% of water wells now being drilled are not being logged electrically. Information that is not secured from unlogged holes cannot be valued, but if compared to the usefulness of logs that are being run, it appears obvious that many millions of dollars are being lost through negligence. The article on the Survey's logging service (Bull. 104) was reprinted and mailed to 140 water well contractors operating in Mississippi. This reprint is available free on request. Since July 1, 1964, over 100 logs have been run throughout the State. The deepest was logged to 2232 feet, in Webster County. These logs are kept in open file at the Survey office.

Bulletin 105. "Hinds County Mineral Resources," Bull. 105. is nearing completion and should be in print by June 1. It will be the most complete and comprehensive economic geological report ever issued on a Mississippi County. W. H. Moore is principal investigator. This work is supported by work of A. R. Bicker, Jr., W. S. Parks and others. Ceramic testing of clays by T. E. McCutcheon, numerous chemical analyses, mechanical analyses, and some special tests on raw mineral materials will make the report a very useful reference work on the geology and mineral resources of Hinds County, and it will constitute a valuable industrial prospecting tool. The Survey is backed by the Central Mississippi Industrial Development District, the Jackson Chamber of Commerce, and the Hinds County Board of Supervisors. The amount of cooperation in this study has probably been without equal in the Nation: Many hundreds of core hole logs were contributed by oil companies and individuals; the Groundwater Division, U.S.G.S., supplied numerous logs and sample sets on water wells, and many water well contractors have assisted the Survey in securing data. In addition to this large amount of information the Survey drilled and/or cored over 65 holes with its own Failing 750 rig.

S. W. Welch has resigned from Shell to become an independent geologist.

Mississippi Geological Society  
P. O. Box 422  
Jackson, Mississippi



Mr. R. C. Ohnoutka  
Pan American Petr. Corp.  
Box 689  
Jackson, Miss.







MINUTES: Mississippi Geological Society Meeting April 5, 1965

CONVENED: 7:15 P.M. Sun-N-Sand - Bali Hai Room

ANNOUNCEMENTS: President Jim Bollman welcomed everyone present at the meeting. Mr. Bollman called upon Gene Taylor to introduce Bill Tucker, who is a new Society member. Mr. Tucker came to Jackson from Shreveport, La. He is to be the Exploration Manager, Union Producing Company.

Secretary Ron Ohnoutka informed everyone that the Shreveport Geological Society is going to sponsor a field trip to the Florida Keys to study recent and pleistocene reef deposits. The trip is scheduled for Thursday, May 20, 1965.

BUSINESS: Roy Worrell, Chairman of the Nominating Committee, gave recognition to the members of his committee for nominating the following men to fulfill the offices left vacant by outgoing officers of the society.

The Nominating Committee consisting of the following men: Roy Worrell, Dee Layman, Bill Lynch, Ed Minihan, Jim Furrh and members of the Mississippi Geological Society have nominated for:

Secy.	John Lancaster Stu Welch	Calco. Ind.
Treas.	Bill Albright Max Gilpin	Calco Ind.
V. Pres.	Alan Jackson Bill Moore Julius Ridgway	Humble State Survey Ridgway Management
Pres.	Sanky Blanton <del>Marvin Oxley</del> Lincoln Warren	Sun <del>Lone Star</del> Gulf

The motion that nominations cease was introduced by Louis Ridgway and seconded by Dick Bowman. The names listed will appear on the Ballot that will be handed out at the May 5 meeting.

OLD BUSINESS: Following a statement of present monetary standing by Treas. Sanky Blanton, the floor was open to discussion regarding amending the society dues from \$3.00 to \$5.00. Mr. Bollman instructed the secretary to mail out a ballot to all members to solicit their vote on the matter at hand.

After a brief discussion the business meeting was closed by a motion to do so by Furrh and seconded by Phillips.

The meeting was turned over to George Vockroth, Program Chairman, who introduced the speaker.

SPEAKER: Ed Minihan, Placid Oil Company

SUBJECT: "Pool Creek Field"

ATTENDANCE: 67

FINANCIAL STATEMENT  
Mississippi Geological Society  
(as of 4-5-65)

Cash on hand this date	\$768.69 (about same as 6-30-64)
Cash taken in since 6-30-64	3,850.26
Membership fees	840.00
Meals & Publication	3,010.26

Disbursements: (see next page)