

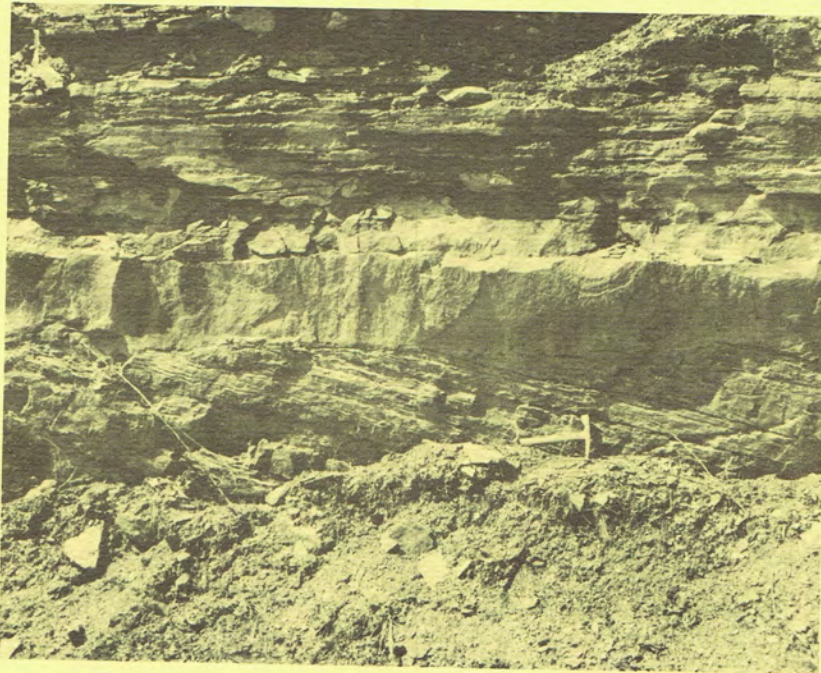


MISSISSIPPI GEOLOGICAL SOCIETY

Volume XXX

No. 10

June 1983



1982-1983



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REPORT TO MEMBERSHIP

Sale of MGS Publications

For the past year the sale of our publications has been handled by Earth Enterprises, Incorporated, Austin, Texas. This has been most beneficial to our Society. Earth Enterprises advertises for the Society, sets up booths at the various conventions, and handles the reprinting of materials as needed. The staff of Earth Enterprises has been very cooperative with our Society. It is always interesting to see which publication is selling best, so listed below are our publications and the number sold during the period October 1, 1982 and March 31, 1983.

Title	Number Sold
Special Volumes	
Mississippi Geol. Soc. Photo Directory, 1981	11
Wilcox Fields of Southwest Mississippi, 1969	37
Mesozoic-Paleozoic Producing Areas of MS and AL	
Volume I, 1957	34
Volume II, 1963	2
Supplements 2-7 for Volume II, 1964-72	8
Supplement 8 for Volume II, 1980	9
Volume II, complete with Supplements 1-8	53
Field Trip Guidebooks	
Mississippi Rocks of the Black Warrior Basin, 1978	23
Tertiary Type Localities of East-Central MS, 1975	15
The Paleozoic of Northwest Arkansas, 1962	10
Cenozoic of Horn Island & the Pascagoula Valley, 1960	15
Cenozoic of Southeast MS and Southwest AL, 1960	15
Upper Cretaceous Outcrops, Northeast MS and West Central AL, 1959	13
Composite Logs and Cross Sections	
Composite Mesozoic Log of South MS & South AL	28
Composite Paleozoic Log of Black Warrior Basin, MS & AL	26
Well Log Correlation Sections, Paleozoic of the Black Warrior Basin, Set of 5 Sections	21
Stratigraphic Cross Sections, Jurassic of MS, AL, and Northwest FL, Set of 9 Sections	13

Kipp Ferns
2nd Vice President

Mississippi Geological Society
TREASURER'S REPORT
June 9, 1982 to June 15, 1983

CREDITS:

Pulbications	\$ 1,801.96
Meetings	9,456.29
Advertising	5,400.00
Dues	5,407.00
Field Trip (refund from 1982)	348.00
Continuing Education (refund from 1982)	280.00
Transfer from savings	17,805.35
TOTAL	\$ 40,498.60

DEBITS:

Printing costs	\$ 9,015.24
Meetings*	16,309.20
Contributions & Scholarships	500.00
Postage	742.00
Secretarial	75.00
Office Supplies	151.29
Storage	70.99
GCAGS & AAPG	600.00
Continuing Education	280.00
Miscellaneous	410.60
Transfer to savings	15,000.00
Photo Directory	225.23
TOTAL	\$ 43,379.97

BANK BALANCE (6/9/82)	\$ 3,565.32
INCOME (6/9/82-6/15/83)	<u>40,948.60</u>
TOTAL	\$ 44,063.92
EXPENSES (6/9/82-6/15/83)	<u>43,379.97</u>
BANK BALANCE (6/15/83)	<u><u>\$ 683.95</u></u>

SAVINGS ACCOUNT (6/15/83):

Kemper Cash Equivalent Fund \$ 12,772.00

BANK BALANCE	\$ 638.95
SAVINGS BALANCE	<u>\$ 12,772.00</u>
TOTAL CASH ON HAND (6/15/83)	<u><u>\$ 13,455.95</u></u>

*\$905.35 was carried over from 1982.

Richard Ingram
Treasurer

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 2nd Vice President Ron Tisdale
 Secretary Dora Devery
 Treasurer Joe McDuff

HOUSE OF DELEGATES MEETING

Report to MGS Members

April 17, 1983
AAPG Convention, Dallas, Texas

The meeting was called to order promptly at 9:00 a.m. by William H. Roberts, Chairman of the House of Delegates. He welcomed the delegates and after a few general opening remarks he introduced Mr. Stan Pittman, General Chairman of the Convention. Mr. Pittman reported there were 3366 delegates plus 1453 spouses pre-registered with an anticipated registration of over 7000 delegates and spouses (which there were). It was noted that the use of on site computer registration was a first for the Convention.

President John Parker reported in his address to the House of Delegates that AAPG membership now stands at just over 39,000. This represents an increase of 6,647 members in the last year. Applications average 500 per month. It is interesting that of 5,000 applications submitted only 22 were disapproved.

Mr. Parker continued by noting a shortfall of prospects and field wells. No matter what scenario used for the rate of petroleum consumption, up 3%, or down 3%, there will be a shortage of production in the near future. As we prepare for the future with less money available, overcoming this slack period will require the best Petroleum Geology. It is up to us to see that there will be no shortage.

Reports by other committee chairman were very short or they had nothing at all to report.

If it had not been for Michael T. Halbouty questioning Theodore Walker, president of SEPM, it would have been a totally uneventful meeting. Mr. Halbouty questioned Mr. Walker about SEPM pulling out of, and having separate meetings from, the AAPG. Mr. Walker assured Mr. Halbouty that SEPM had no intention of going their separate way from AAPG.

There were 174 members of the House of Delegates present for voting out of a total membership of 230. Both MGS members, Gerald Kinsley and myself, were present.

The meeting adjourned at 10:45 a.m.

C. Kipp Ferns
AAPG House of Delegates
Representative
Mississippi Geological Society



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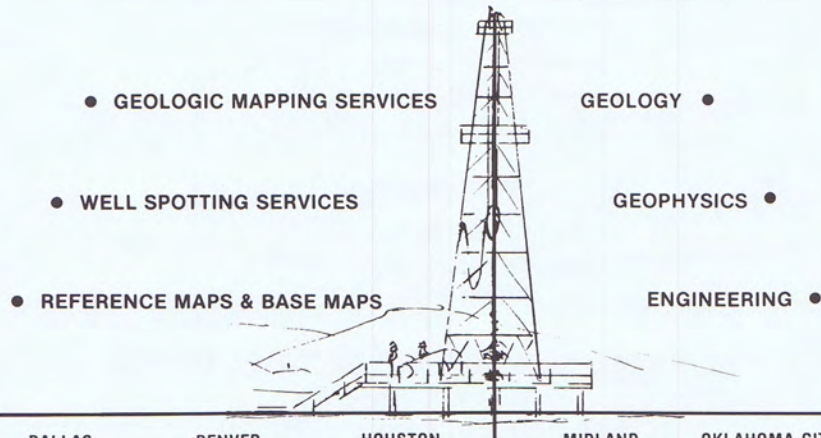
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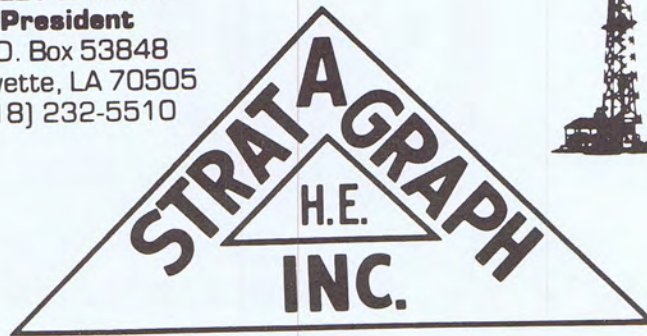
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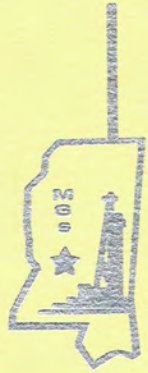
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COVER PHOTO: *Transverse section of distal crevasse splay and associated levee.
Anderson Co., TN.—Courtesy of Earl Slocum*

PRESIDENT'S COMMENTS . . .

The Mississippi Geological Society is beginning another new year, 1982-83. It promises to be a very active year and one in which we hope each member will become more involved in Society programs. This will be easy to do since the first meeting is the Fall BBQ at Fowler's Lodge on September 27, 1983.

T.C. Rader has again "volunteered" to be Entertainment Chairman. I think this is his twelfth straight year. You only have to attend one BBQ to know how vital his service is. On behalf of the entire membership, I want to thank T.C. for agreeing to serve the Society again this year.

While accolades are being passed, I want the membership to recognize two other "volunteers". George Harris has agreed to be Editor of our Society bulletin again. We get many compliments on the bulletin and George is the man responsible. Of course, the bulletin pays its way with the advertising. The man responsible for this is Justin Devery. Thanks to both of these gentlemen for their service.

This year's Program Chairman is Neil Barnes with ANR. He has some exciting ideas in mind for our programs. Thanks to Neil for accepting this assignment.

The Society officers are hard at work. We've discussed the possibility of some publications this year, e.g. Red Book update and a Black Warrior Basin Fields publication. We'll be calling on experts to help out on these efforts.

The October meeting will be early in the month, October 3. Dr. Ernest Mancini, State Geologist and Oil and Gas Board Supervisor for Alabama will present his paper entitled "Petroleum Geology of the Black Warrior Basin of Alabama."

It is only six weeks until the GCAGS meeting begins. Our Society is doing a great job in getting ready. Each section chairman has done his or her portion of the planning in an impressive manner and you will be proud of the results. Buddy Twiner, the Registration Chairman (again!!) reports a total of 900 pre-registrants through September 9, 1983. The MGS members residing in Jackson are urged to pre-register before the deadline of September 30th. Your earliest attention to this will be appreciated by Buddy.

Dues statements for this year have been mailed so please send in your renewal.



Mississippi Geological Society

FALL BARBEQUE
TUESDAY, SEPTEMBER 27, 1983
Fowler's Lodge

It's time once again for the annual M.G.S. Fall Barbeque. Social activities with beer provided will begin at 4:30 and dinner will be served at 6:30. Smoked sausage, ham, and beef will be prepared by T.C. Rader in his inimitable style.

Please phone in your reservations to T.C. Rader (969-3286) by Friday, September 23. T.C. could also use some volunteer help both on the morning of the event and again after the festivities, so give a little of your time.

Due to the prevailing economic conditions, it has become necessary to levy a nominal door charge this year of \$5.00 per M.G.S. member in addition to the standard \$10.00 non-member fee. And again, as in previous years, memberships may be both initiated and renewed at the provided sign-up table.





MEMBERSHIP RENEWALS



Our newly elected secretary, Dora Devery, has recently mailed out membership application cards which most of you should have gotten by now.

Only those members whose cards are received by September 26 can be included in this year's society directory, so please renew your M.G.S. membership and send in your 1983-84 dues now.

A tentative schedule for M.G.S. noon meetings has been established with programs planned for the following dates:

October 3, 1983
November 8, 1983
December 13, 1983
January 10, 1984
February 14, 1984
March 13, 1984
April 10, 1984

All meetings will be held in the Smackover Room, Petroleum Club.



ADVANCE NOTICE

M.G.S. Noon Meeting

October 3, 1983

Smackover Room, Petroleum Club

The speaker for the first meeting on the 1983-84 calendar will be *Dr. Ernest Mancini*, State Geologist and State Oil & Gas Board Supervisor for Alabama, who will present his paper entitled, "*Petroleum Geology of the Black Warrior Basin of Alabama.*"

The buffet charge will again be \$8.00 per person.



➔ PROFESSIONAL DEVELOPMENT ➔

The Jackson Engineering Graduate Program is a joint program of Mississippi State University and the University of Mississippi. Credit earned for graduate engineering courses taken in this program is on-campus credit. The Master of Science or Master of Engineering degree may be earned entirely here in Jackson through either Mississippi State University or the University of Mississippi without the necessity of going to the main campus for residence credit or theses work.

The minimum requirements for a Master of Science degree are 24 hours of course work and 6 hours of thesis. A non-thesis option is available through the University of Mississippi which requires a minimum of 27 hours of course work and 3 hours of a design project. The Master of Engineering degree requires a minimum of 30 hours of course work and a 3 hour design project. On the job thesis or design project work will be arranged if possible. Research may be conducted in the Biomedical Engineering Laboratory at the Universities Center.

Structured programs are currently being offered in Industrial, Mechanical, Civil, Electrical and Geological Engineering. Additional programs will be developed based on student interest.

Classes normally meet once a week from 6 to 9 p.m. The tuition is \$45 per semester hour.

Two geological courses are being offered this fall: Economic Geology and Stream & Estuarine Analysis, with courses having already begun.

It's still not too late to register!

For further information, contact:

Ms. Linda Cornell
Jackson Engineering Graduate Program
1855 Eastover Drive
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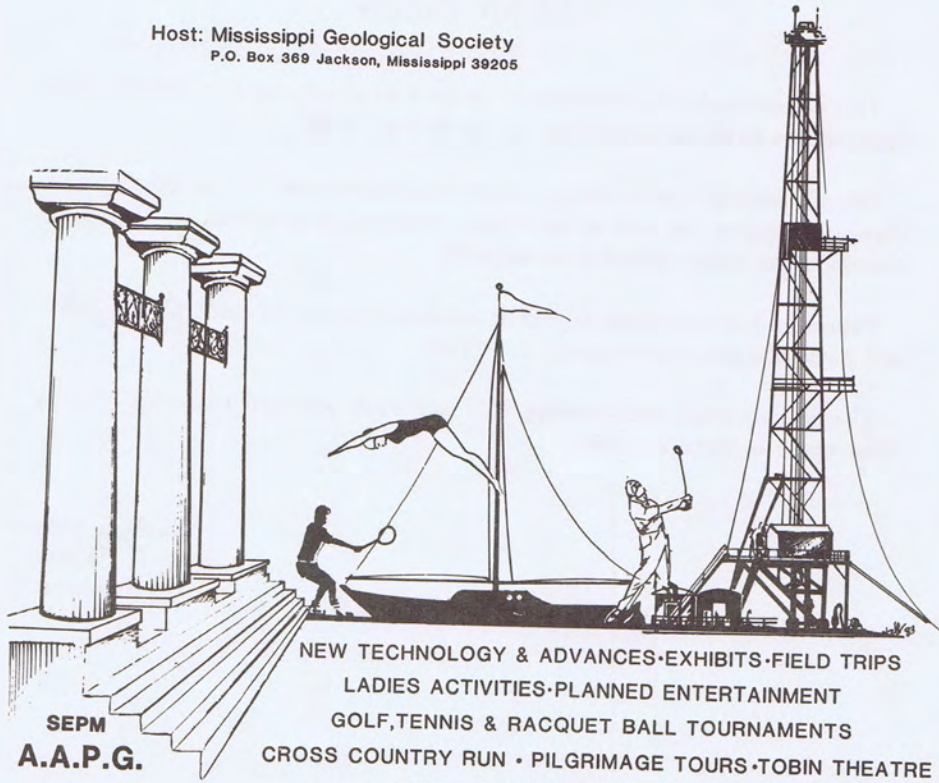
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Call for Papers

This is a reminder that Shreveport is the host society for the 1984 GCAGS Convention to be held October 24, 25 and 26, 1984.

We are issuing a first call for papers to be presented at our convention. Please announce the call at your next meeting, if possible, so that your members can begin thinking about 1984.

Papers and/or abstracts should be submitted to the Editor, GCAGS 1984, 604 Beck Building, Shreveport, LA 71101.

Thanks for your cooperation. We will look forward to seeing you in Shreveport in October 1984.

GCAGS 1984
John T. Palmer
President

1984
AAPG/SEPM Annual Meeting

San Antonio, Texas
May 20-23, 1984

Call for Papers

You are invited to participate in the 1984 SEPM Annual Meeting at San Antonio, Texas. Ten years have elapsed since San Antonio hosted the now almost legendary 1974 convention. During this time our profession has seen many changes and the convention theme recognizes that changes are still occurring: *Energy, Economics, Exploration—in Transition*. In keeping with this theme, SEPM members are encouraged to submit talks or posters which emphasize the latest advances in exploration technology. Abstracts of both types of presentations will be printed in the **AAPG Bulletin**.

Both poster sessions and oral presentations will be organized into thematic sessions, with both solicited and volunteered papers selected for their appropriateness in each session. Some submitted papers which do not fit proposed theme topics will be considered for one or more general sessions. All contributions will be carefully screened prior to their acceptance for the content of "new" material.

You are encouraged to submit a paper for one of the proposed technical sessions listed. Note that we plan to include a session this year for student papers. Student participants need not be members of any professional society, but the papers should report research in some aspect of paleontology, stratigraphy, sedimentation, geochemistry or diagenesis.

Place submit titles and abstracts by **November 1, 1983**. Final notification of acceptance of papers will be mailed by January 1, 1984.

1984 SEPM Annual Meeting Talks and Posters

SEPM Proposed Technical Sessions

Paleontology

1. Micropaleontology of the Gulf of Mexico
2. Applications of paleontology to exploration and exploitation

Stratigraphy and Sedimentation

1. Sediments of Gulf Coast Province
2. Mesozoic carbonates and evaporites
3. Dedolomitization
4. New developments in evaporites and related facies
5. Modern and ancient clastics
6. Modern and ancient carbonates
7. Student papers for SEPM

Geochemistry and Diagenesis

1. New advances in source-rock geochemistry
2. New applications of isotope analysis
3. Clay mineral systems

SEPM Poster Sessions

1. Paleontology
2. Carbonate sedimentology
3. Carbonate diagenesis
4. Clastic sedimentology
5. Clastic diagenesis
6. Research methods in sedimentology
7. Mesozoic and Cenozoic paleogeography
8. Organic geochemistry

Joint Sessions

1. Coal-bearing sedimentary sequences
2. Diagenesis and diagenetic traps
3. New developments in overpressuring, underpressuring and predicting seals

SEPM Abstract Format

Accepted abstracts will be published in the April 1984 *AAPG Bulletin*. Abstracts must be typewritten, doublespaced and be 250 words or less. Please submit one original and two copies. Word limit will be strictly enforced. Receipt of abstract will be acknowledged promptly to the *SPEAKER'S ADDRESS* by January 1, 1984. *Speaker's Kits* and *Poster Kits*, along with presentation schedules will be mailed to the *SPEAKER'S ADDRESS* early in January. Abstracts selected for the convention will be formally published in two-column format with column width of 20 picas (3 5/16 inches). Technical program chairmen will rigorously screen all submitted abstracts.

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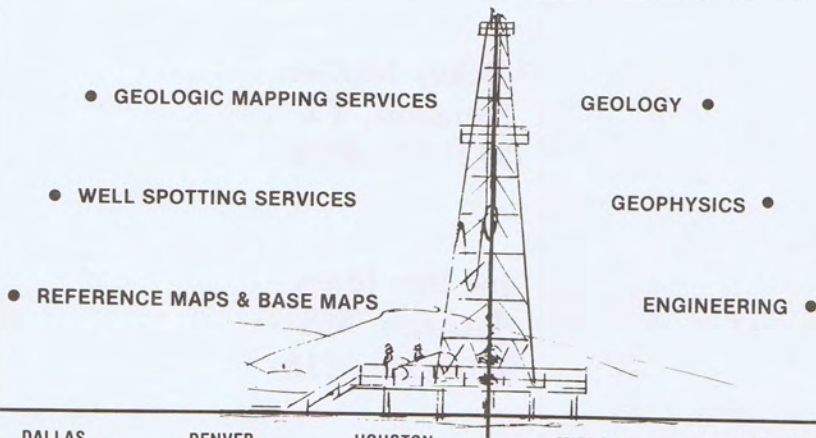
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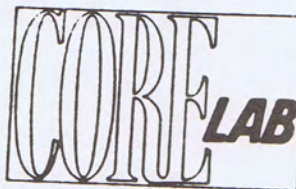
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Volume XXXI

No.2

November 1983



1983-1984



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COVER PHOTO: *Lower Mississippi River distributary channel.—Courtesy of Pierre LaFourche Slocum*

PRESIDENT'S COMMENTS . . .

Gee! I feel like something's missing.

In the interest of our beloved science last week, I ran a geophysical survey of my gall formation. Sure enough there was the "bright spot" and we made the decision to drill. They said this one couldn't miss. Near the zone, we put on a diamond core bit and recovered the whole formation. Found the rocks alright—looked like an ancient river bed deposit - pea sized gravel, well rounded, loosely cemented but alas, no oil—just a small amount of gas. Plugged and abandoned! Please don't let the next prospect be on me.

The MGS is off to a roaring start. The Fall BBQ was as usual Rader-perfect. Our October 3 luncheon meeting was well attended in spite of short notice due to a postal mishap. Dr. Mancini's Black Warrior Basin report was a great opening program. Steve Oivanki, our nominating chairman, announced that Steve Walkinshaw, Hughes and Hughes, currently serving as pro tempore MGS Treasurer, and Paul Dooley, Union Oil of California, willingly agreed to stand for election as the 1983-84 MGS Treasurer. The election is to replace Joe McDuff who has transferred to Shreveport.

Please note. . . the By-laws governing special elections state that "a special election shall be held at the next meeting subsequent to the permanent vacancy of any office excepting the President. The sole purpose of such special election shall be to fill the vacated office. Prior written notice to the membership will be given regarding the special election." THIS IS THE REQUIRED PRIOR WRITTEN NOTICE! You will be given a ballot at the November 8, 1983 MGS luncheon meeting. The office of Treasurer is vital as he is in charge of the financial affairs of the Society.

See you all there.



M.G.S.
NOON MEETING

Tuesday, November 8, 1983
Smackover Room, Petroleum Club
Speaker: Dr. Wayne M. Ahr

TOPIC: Diagenetic history of the Cotton Valley LS at Teague Townsite Field, Freestone Co., TX (Carl K. Steffensen & Wayne M. Ahr).

Please notify T. C. Rader (969-3286) of your attendance so adequate seating can be arranged.



Biographical Sketch
of
WAYNE M. AHR

Born in San Antonio, Texas on December 11, 1933. Married in 1961. With wife Mary are parents of 2 daughters, aged 15 and 21.

Completed BS Degree in Geology in Texas Western (UTEP) in 1960, MS in Oceanography at Texas A & M in 1965, and PhD in Geology at Rice University in 1967. The MS thesis research was done under Brian W. Logan (U. of Western Australia) and was part of the "Campeche Bank Project" off-shore from Yucatan, Mexico. The work covered Pleistocene and Holocene reefs, banks, and platform sediments. The PhD research was done under Professor James Lee Wilson and was on Cambrian algal reefs in Texas. Ahr is the first PhD to have worked under Prof. Wilson.

While at Rice, Ahr also worked as a research geologist for the Shell Development Co. laboratory. In 1967, Ahr was reassigned to the Houston Division of Shell Oil Company where he worked until moving to Texas A & M University in 1970. Ahr is now a Professor of Geology at A & M.

Ahr's research at Texas A & M is on carbonate sedimentology in tectonically active areas, burial diagenesis of carbonates, and on evolutionary patterns in carbonate reservoirs. He is the author of 41 papers, contributions to books, and journal abstracts.

Ahr has been a consultant to both domestic and foreign petroleum companies and has presented short courses on carbonates and clastics to many companies, including GSI, Amerada-Hess, Getty, and Pennzoil.

Ahr has been awarded a Faculty Study Grant by Texas A & M to do research on Mississippian bioherms in the Midlands of England during 1984.

Diagenetic History of the Cotton Valley LS at Teague Townsite Field, Freestone Co., Tx

ABSTRACT

The Cotton Valley Limestone, like the older Smackover, was deposited on a ramp where the monotonous regional topography was punctuated by salt-generated and basement highs that greatly influenced local depositional environments. Teague Townsite Field is located above a salt ridge that was divided into several domes where Cotton Valley grainstones were deposited. Open marine wackestone and packstones surrounded the oolite shoals and updip, shaly wackestones were deposited in a more restricted environment. An overall increase upward in the carbonate grain/mud ratio resulted from a Late Jurassic regional regression. Nine smaller, shoaling-upwards cycles are present in the study area; they probably reflect local salt movements. The reservoir at Teague Townsite field is mainly intraparticle porosity formed by early alteration of metastable allochems in the meteoric phreatic environment that was contemporaneous with several of the periods of local emergence. Interparticle porosity was filled early by equant and bladed cements. Neomorphism and replacement were common in early diagenesis. Subsequently, compaction, stylolitization, sparite cementation, and introduction of saddle dolomite occurred. Whole-rock analyses indicate that the present-day trace element distribution reflects 1) early cementation and flushing of porous zones; 2) comparatively less flushing of muddy zones; and 3) late introduction of subsurface fluids. Whole-rock $\delta^{18}\text{O}/\delta^{13}\text{C}$ values plot within the published range of data on "typical Jurassic cements." The average $\delta^{18}\text{O}$ values are -5 and the average $\delta^{13}\text{C}$ values are +2.5 PDB. A tendency toward heavier isotopic composition with increased depth is interpreted to be the result of subsurface fluid influx during burial.

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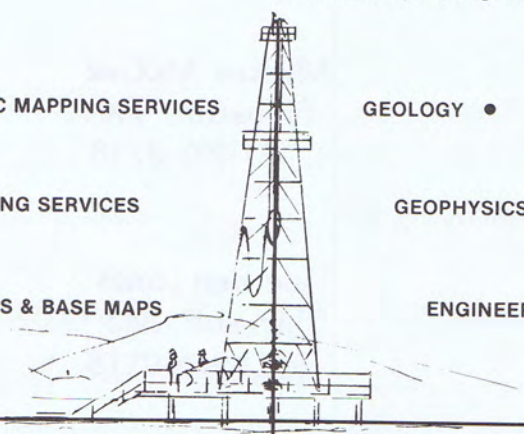
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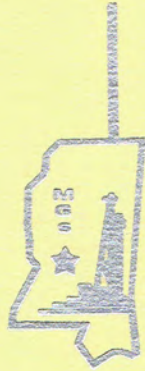
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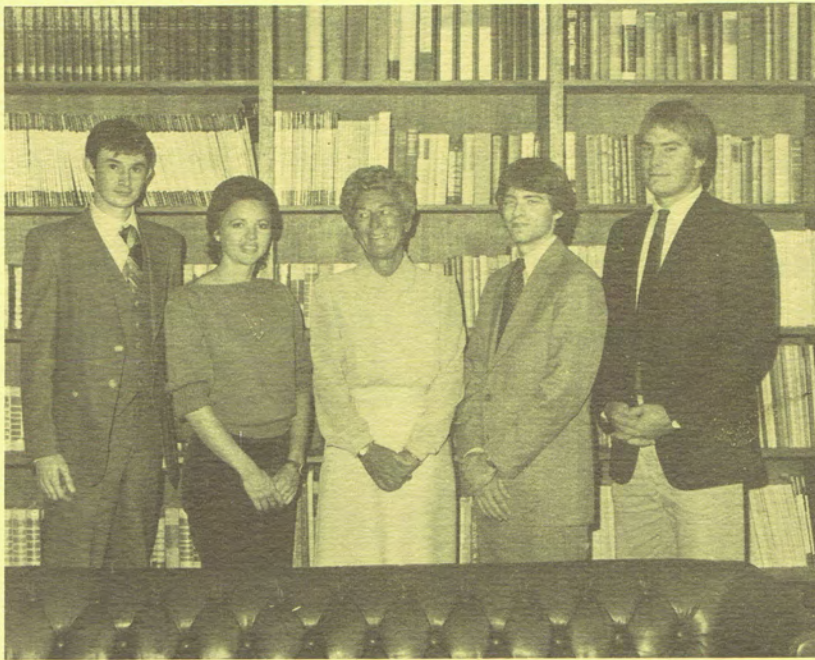


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PRESIDENT'S COMMENTS. . .

Gimme a break, will ya?

It's not enough that we've been in constant battle with the Governors and Legislators in both Mississippi and Alabama for two solid years — I mean not only regular sessions, but special sessions where we were the main target!

It's not enough that we've been hit a hard economic lick due to exploratory budget and personnel cutbacks!

It's not enough that our Society hosted (that means we did *all the work*) a major convention recently — and did a great job of it! By the way, do landmen even know what the GCAGS is?

It's not enough that I had major surgery recently (at least I say it was major — sure as heck don't want anymore).

Now, we're getting challenged to a shonuff blood battle — by our friends (?) who stood shoulder to shoulder with us during our legislative battles and suffered with us in the economic hard times — but, Bubba, they didn't host a convention and have surgery.

But, if that's the way they want it, I say "Let's get it on!" Hagler and Duran, Ole Miss and State (O.K., either one and Southern), geologists and landmen (or should that be landperson?).

I'll get you more information later, but here is the resolution they passed.

WHEREAS, for years there has existed a cold war between landmen and geologists; and,

WHEREAS, it is timely that first blood be drawn in said war; and,

WHEREAS, Mississippi Blood Services has agreed to our use of their facility as a battle ground.

NOW, therefore, for and in consideration of the mutual benefits, the MISSISSIPPI ASSOCIATION OF PETROLEUM LANDMEN hereby challenges the MISSISSIPPI GEOLOGICAL SOCIETY to a blood battle to be held during the month of January, 1984.

Be it resolved this 14th day of November, 1983.

MISSISSIPPI ASSOCIATION OF PETROLEUM LANDMEN



Mississippi Geological Society
NOON MEETING
TUESDAY, DECEMBER 13, 1983
Smackover Room, Petroleum Club

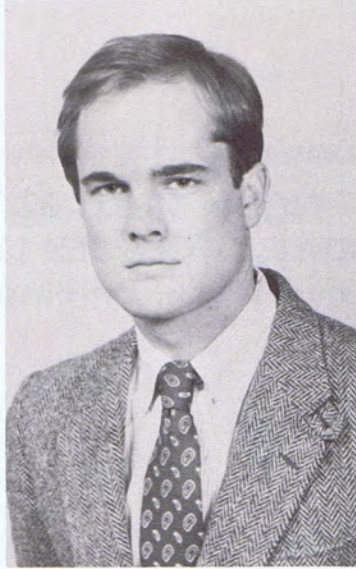
SPEAKER: Nat Turner

TOPIC: "Smackover - Norphlet Stratigraphy,
S. Wiggins Arch, Mississippi & Alabama"
by John W. Cagle & M. Ali Khan

(Best Paper Award at 1983 GCAGS Convention)

*Please notify T. C. Rader (969-3286) of your
attendance so adequate seating can be arranged.*





Nat Turner is a geophysicist in the Smackover/Norphlet group of Conoco's Southeast Exploration Division. He received a BS degree in Physics/Geophysics from Georgia Tech in 1980 and joined the open-hole well logging division of Dresser Industries that same year. As a logging engineer, Mr. Turner was based in Lafayette, Louisiana and was involved in logging Cretaceous and Jurassic Trend wells in Mississippi/Alabama/Louisiana.

Since his employment with Conoco in 1981, Mr. Turner has been actively involved in geophysical/geological interpretation of the Mississippi/Alabama Smackover/Norphlet Trend.

SMACKOVER-NORPHLET STRATIGRAPHY, SOUTH WIGGINS ARCH, MISSISSIPPI AND ALABAMA

John W. Cagle and M. Ali Khan

The structural framework for late Mesozoic sedimentation in the northern Gulf of Mexico basin includes a series of regional positive and negative warpings oriented perpendicular to depositional strike. The result is a series of uplifts and embayments. Hydrocarbon production occurs in both settings, but two of the uplifts (Sabine and Monroe) are directly responsible for giant hydrocarbon traps on their crests and flanks. The Wiggins Arch is interesting because, although significant production occurs on the flanks, the crest is barren. By analogy with the Sabine and Monroe uplifts, the crest of the Wiggins Arch should be a high-priority exploration area, yet it remains virtually untested.

The discovery of major Smackover and Norphlet production at Churchula and Hatters Pond (Mobile County, Alabama) in 1974 and 1975, as well as Norphlet production at Lower Mobile Bay Field in 1979, did spur exploration in the area. Four wells have now penetrated the entire sedimentary sequence (20,000 feet) on the Wiggins Arch and reached basement rock (granite and phyllite). Three of these deep tests are recorded as penetrating an abbreviated stratigraphic sequence in which the Jurassic Haynesville Formation lies directly on basement rock. Thus, the Smackover, Norphlet, and Louann are missing. The absence of Louann salt from the crest of the Wiggins Arch comes as no surprise; but the absence of the primary target formations, Smackover and Norphlet, is certainly disappointing, because it implies that the crest of the Wiggins Arch is baldheaded.

Stratigraphic interpretation of seismic data indicates that three of the subject wells are located on small, isolated basement highs. Reflection characters around these highs and others indicate the presence of Norphlet sand and/or Louann salt. Thus, only the isolated highs are baldheaded, not the entire Wiggins Arch.

In the Wiggins Arch area, thickness comparisons of the Smackover-Haynesville are so anomalous that they strongly imply that the lower "Haynesville" was deposited contemporaneously with the Smackover. This implication is supported by palynological interpretation. Thus, the published sequence of Haynesville lying on basement in the three subject wells is only partially correct.

This sequence is actually a Smackover facies lying on basement, but the Smackover was deposited in a Haynesville-like sabkha which was perched on top of the basement highs. If this interpretation is correct, these sabkhas are likely to be flanked by high-energy reefs on the seaward side, and oolite bars in tidal passes.

A modern analogy is deposition along the Trucial Coast of the southeastern Persian Gulf. Piercement salt domes form pre-Holocene outcrops and shoals far out into the gulf (50-100 kilometers). These shoals and islands are the sites of complex carbonate sedimentation which includes carbonate sands and muds, reefs, ooid shoals, and sabkhas.

The Smackover and Norphlet formations are major producing units in the area of southern Mississippi and Alabama. If the Smackover-Norphlet stratigraphy around the Wiggins Arch is similar to that proposed herein, a significant hydrocarbon trend exists. The stratigraphy proposed should offer both reservoir rock and hydrocarbon traps.



Left to right: Charles Williams, Kipp Ferns, Jerry Zoble, Peg Boland, Marshal Kern & Bill Moore — L. F. Boland Scholarship Committee.

Seated: 1983-84 Recipients Britt Gully, Julie McKibben, Bill Lehr and David Ruhl.

BOLAND SCHOLARSHIPS AWARDED!

During the regular November meeting of the Mississippi Geological Society, four students received the congratulations of the society along with checks in the amount of \$800.00 each as recipients of the Lawrence F. Boland Scholarship for the 1983-84 academic year. The checks were awarded by Mrs. "Peg" Boland, Larry's widow, which makes this annual event even more meaningful! This year's recipients are (in alphabetical order) R. Britt Gully, Senior, Mississippi State University; William C. Lehr, Senior, University of Mississippi; Julie M. McKibben, Senior, University of Southern Mississippi, and David M. Ruhl, Senior, Millsaps College. Once again, *Congratulations to this years winners!*

Also, a reminder that contributions to the L. F. Boland Scholarship Fund are tax deductible!

1983 G.C.A.G.S. AWARDS

The following presentations were awarded honors at the recent 1983 G.C.A.G.S. Convention in Jackson, Mississippi.

G.C.A.G.S.

First Place: "Smackover - Norphlet Stratigraphy, S. Wiggins Arch, Mississippi and Alabama" by John W. Cagle & M. Ali Khan

Second Place: "Burial Diagenesis and Reservoir Development in the N. Haynesville (Smackover) Field, Louisiana" by Wayne M. Ahr & H. Ben Hull

Third Place (Tie): "Growth Faults & Salt Tectonics in the Houston Diapir Province - Relative Timing & Exploration Significance" by Thomas E. Ewing

"Regional Patterns of Diagenesis, Porosity Evaluation, & Hydrocarbon Production, Upper Smackover of the Gulf Rim" by Clyde H. Moore

Levorson Award: "Smackover - Norphlet Stratigraphy, S. Wiggins Arch, Mississippi & Alabama" by John W. Cagle & M. Ali Khan

S.E.P.M.

Excellence of Presentation: "Characteristics of a Deep-Sea Channel on the Middle Mississippi Fan as revealed by a High-Resolution Survey", by David B. Prior, Charles E. Adams, & James M. Coleman

Best Published Paper: "Characteristics of Peat Deposits in the Mississippi River Delta Plain" by Elisabeth C. Kisters & Alan Bailey

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34th ANNUAL CONVENTION
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In keeping with this theme, interested participants are invited to submit papers for presentation at the 1984 meeting in Shreveport and have them printed in the prestigious GCAGS *Transactions*.

All submittals will be screened prior to their acceptance for their content of applicable material to the theme and in accordance with the guidelines for papers required by the American Association of Petroleum Geologists.

Please submit titles and abstracts to me by February 1, 1984. Final notification of acceptance of papers will be mailed by February 15, 1984.

Mail to: Nolan G. Shaw, Program Chairman
910 Pierremont Road, Suite 116
Shreveport, Louisiana 71106

➡ PROFESSIONAL DEVELOPMENT ‹

The Jackson Engineering Graduate program has cancelled its petroleum geology seminar this spring and will offer instead course GE 500 - "Introduction to Geochemistry". This is in addition to their previously scheduled ground water resource evaluation course.

Registration dates are January 2-4, 1984 at the universities center on Lakeland Drive.

For further information contact: Ms. Linda Cornell
601/982-6229

The University of Southern Mississippi will offer 2 geophysics courses this spring: GLY 420/520 - "Elements of Geophysics" and GLY 422-522 - "Geophysical well-logging".

Classes start January 16, 1984 at the Universities Center on Lakeland Drive.

For further information contact: Ms. Susan Hughes
601/982-6210

NOTICE

The January M.G.S. noon meeting has been re-scheduled for January 31, 1984 with Dr. John Balsley as our guest speaker. There will be no January 10, 1984 meeting.



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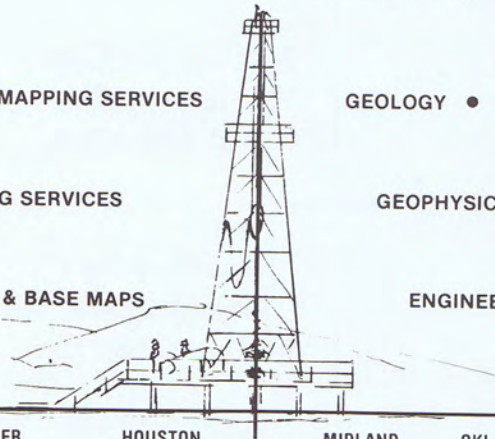
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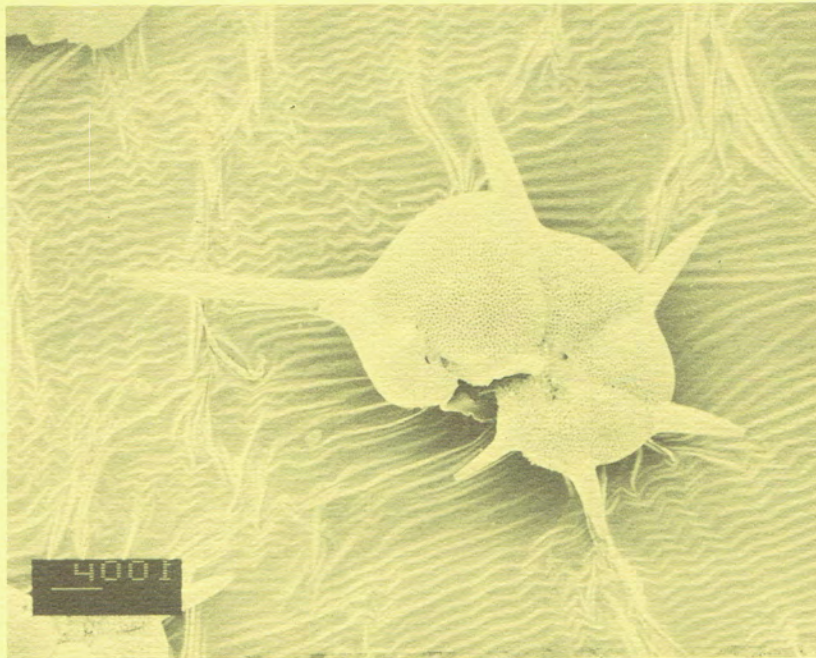


MISSISSIPPI GEOLOGICAL SOCIETY

Volume XXXI

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January 1984



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PRESIDENT'S COMMENTS. . .

Here we are into 1984, wondering how it got here so soon. It is just the nature of our business that the closing month is the most active. I hope we are all thankful for that business and I hope that all of us have a really great 1984.

Those in our membership who are domiciled in Mississippi should have received a special letter recently urging you to meet the blood match challenge of the Mississippi Association of Petroleum Landmen. This bulletin is the last opportunity I'll have to further urge you to respond to the challenge before the January 31, 1984 deadline. All you have to do is go to Mississippi Blood Services, 2807 Old Canton Road, Jackson, MS. Their hours are 10:00 a.m.-7:00 p.m. weekdays, 10:00 a.m.-4:00 p.m. Saturday and 1:00 p.m.-5:00 p.m. Sunday. This is an opportunity to benefit the community and if 20% of our group donates, the entire association, as well as immediate family members, will be covered by a group donor plan. And, if we are victorious over the "Landmen" they will donate \$500 to a local charity—otherwise, we will do the donating.



Mississippi Geological Society
NOON MEETING
TUESDAY, JANUARY 31, 1984
Smackover Room, Petroleum Club

SPEAKER: John K. Balsley

TOPIC: Cretaceous Wave-Dominated Delta Barrier
Island, and Submarine Fan Depositional
Systems of the Rocky Mountains: Clastic
Models for Hydrocarbon Exploration

*Please notify T. C. Rader (969-3286) of your
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Biographical Notes:



John K. Balsley

Born:

Berkley, California

Education:

1969 — University of Utah, Salt Lake City, MS (Geology)

Experience:

1967-1974 Phelps Dodge Corporation, mineral exploration
1974 General Electric, coal exploration
1980-1982 Amoco Production Company, petroleum exploration
1982-present Mitchell Energy Corporation, Geological Consultant

Currently involved with the application of depositional models to hydrocarbon exploration.

Field Seminar Leader for the AAPG Wave-Dominated Delta field seminar.

ABSTRACT

Cretaceous Wave-Dominated Delta, Barrier Island, and Submarine Fan Depositional Systems of the Rocky Mountains: Clastic Models for Hydrocarbon Exploration

John K. Balsley
Geological Consultant
Mitchell Energy Corporation

The distinctive characteristics of the three sand-dominated depositional systems are described with emphasis upon criteria useful in recognizing the systems in outcrop and subsurface settings. Interrelationships between the systems are examined with the aid of a complete sediment dispersal network extending from fluvial coastal plain through wave-dominated delta, strand plain, and barrier island systems to basin floor submarine fans. This network was deposited along the western margin of the Cretaceous Interior Seaway and was subsequently exposed in the Book Cliffs of Utah and Colorado.

Wave-dominated deltas are commonly cusplate to arcuate in plan, and sheet-like in cross section. Apparent widths range up to 40 miles (64 kilometers). Typical delta front facies tracts consist of laterally extensive shoreface-foreshore sequences locally replaced by distributary mouth bar deposits. The bar deposits reflect density flow processes and hyperpycnal inflow at the shoreline. Extensive coals and thin transgressive units cap the delta front sequences. The deltas occur in both vertically stacked and imbricate patterns.

The barrier island system is characterized by a sheet sandbody geometry, and by a dip-oriented facies tract consisting of a shoreface-foreshore barrier sequence replaced in a landward direction by tidal inlet and flood tidal delta deposits. Brackish-water lagoonal sediments overlie the entire tract. Characteristics of the system indicate deposition in a microtidal setting.

Submarine fans occur in distal settings beneath the prograding delta and barrier island systems. Fan deposits are lenticular in cross section and isolated in basinal shale. The deposits range from thickening-upward sandstone-shale sequences reflecting deposition in outer fan environments to thick, sand-dominated, channelized sequences reflecting deposition in more proximal fan environments.



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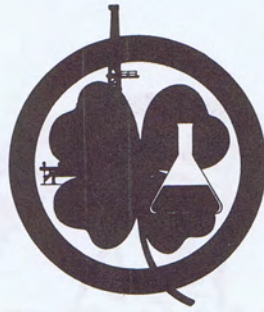
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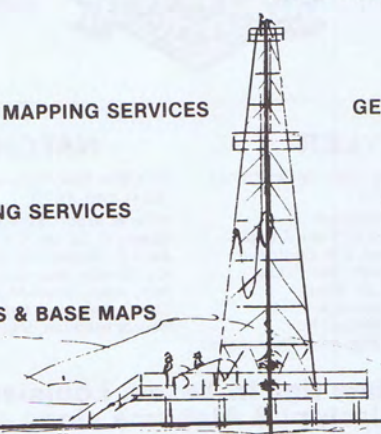
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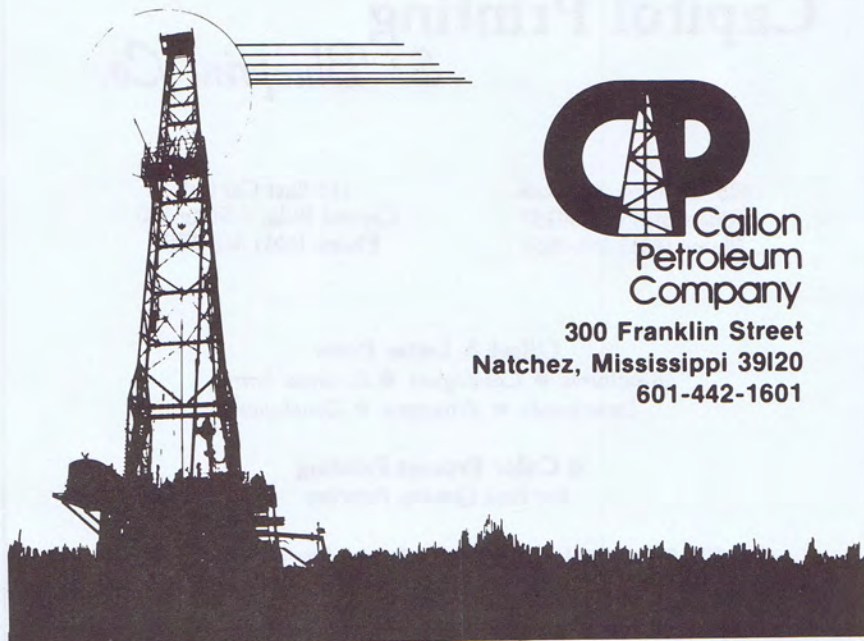
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Cover: Shale deformation and channel sand bed-loading, Gaithers Mtn., Ozarks, Arkansas.

PRESIDENT'S COMMENTS. . .

May I call your attention to a bright ray of sunshine which is gleaming forth from the Mississippi House of Representatives this session. Representative Sonny Merideth, Chairman of Ways and Means, appointed a committee to look at possible incentives to spur exploration and production in our State. This is a very positive step and a welcome change from the past few years.

Some of the potential items that were discussed during the first meeting of the committee were:

- Percentage depletion
- Investment tax credits for exploratory drilling and new equipment
- Elimination of tax on drilling contracts
- Reduced severance tax on marginal wells
- Pooling statutes providing risk charge
- Means to encourage drilling in Mississippi waters
- Several incentive areas for enhanced tertiary recovery programs

Please send me any suggestions for incentive items you think have merit.



Mississippi Geological Society
NOON MEETING
TUESDAY, FEBRUARY 14, 1984
Smackover Room, Petroleum Club

SPEAKER: E. R. Brumbaugh

TOPIC: A Coordinated Geological -
Geophysical Approach to Finding
Stratigraphic Traps.

*Please notify T. C. Rader (969-3286) of your
attendance so adequate seating can be arranged.*



Biographical Notes:



E. R. Brumbaugh

E. R. Brumbaugh received his B.S. degree in physics and mathematics from Juniata College in 1946 after Naval aviation training during World War II. He also has done graduate work in geology at the University of Colorado.

He joined Shell Oil Company in Sacramento, California in 1946. He began as a computer on a seismic crew followed by party chief of crews operating in the Sacramento and San Joaquin basins in California and the Williston basin in Montana. He supervised crew operations and interpretation in the Powder River, Big Horn, Wind River, and Green River basins and Western folded belt in Wyoming, the Uinta basin in Utah, and the Denver basin in Colorado. He was division geophysicist in both the Casper and Denver Divisions, followed by staff interpretive assignments in the Anadarko, Ardmore, and the Arkoma basins in Oklahoma and Arkansas. Since 1968, he has been in New Orleans and worked offshore Gulf of Mexico, Atlantic offshore, and Gulf Coast onshore. Brumbaugh retired from Shell in 1981 to be regional geophysical manager for Tomlinson Interests, Inc., concentrating on exploration in South Louisiana. He is now a Geophysical Consultant.

Brumbaugh has been an Active Member of SEG for 34 years. He served the Society as President in 1982-83, First Vice President in 1981, as Technical Program Chairman of the 40th Annual International SEG Meeting in New Orleans, and as General Chairman of the 49th Annual SEG Meeting. He has been a member of the Casper, Denver and Oklahoma City Geophysical Societies and is currently a member of the Southeastern Geophysical Society where he has served as President, First Vice President, and Membership Chairman.

He is a member of EAEG, AAPG, SGS, New Orleans Geological Society, and is a registered geophysicist in California.

ABSTRACT

A Coordinated Geological - Geophysical Approach To Finding Stratigraphic Traps

Eugene R. Brumbaugh

Many stratigraphic traps have been found on the gently dipping flanks of the stable sedimentary basins in the United States. Many more remain to be found. The sedimentary environment is becoming well known in most of these basins. This information combined with detail studies of the already discovered and developed stratigraphic traps allows one to anticipate the type of trap and the tools needed to detect these traps in most areas being explored.

Studies of clastic, erosional and carbonate stratigraphic traps indicate that most have a detectable anomaly associated with them. Some have a minor structural anomaly that is near the level of seismic structural resolution. These and others often have interval thinning in the sediments overlying the trap that is detectable using well data isopach and/or seismic isochron techniques. Most have a high impedance contrast reservoir unit that is thick enough to be detected using seismic wave form and reflection amplitude techniques. A coordinated use of these Geological and Geophysical tools is discussed briefly in this paper.



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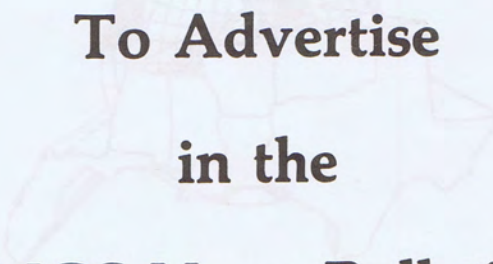
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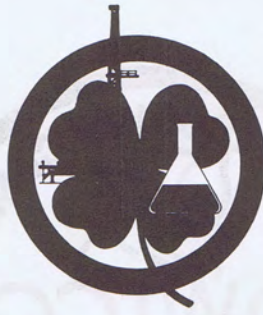
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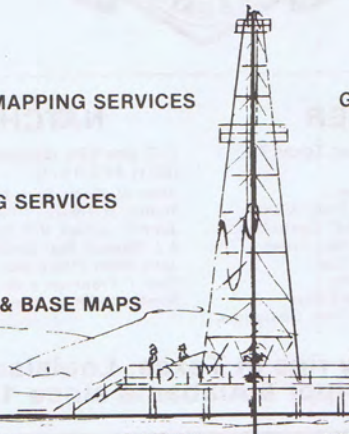
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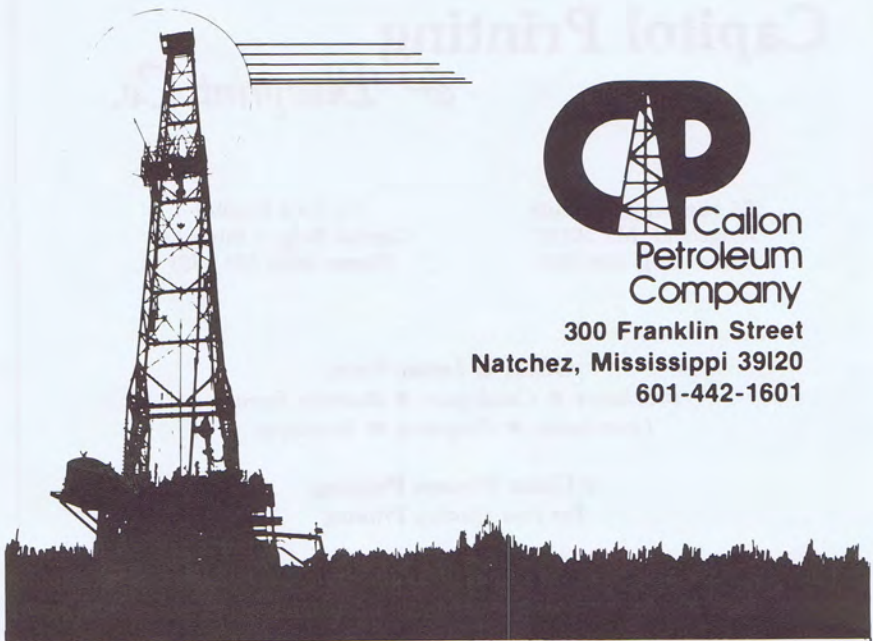
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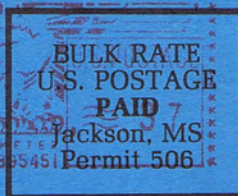
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Volume XXXI

No. 7

March 1984



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PRESIDENT'S COMMENTS. . .

It should be of interest to the membership to reflect on the activities of the MGS to date. Your officers and your committees are functioning very well, e.g.:

Program-wise—excellent speakers and good subjects—credit Chairman Neal Barnes. Notice also how smoothly the visual aids have operated—credit Bob White.

Social-wise—you're not going to have it any better, The BBQs, the Spring Fling, the meeting arrangements—credit T.C. Rader (again).

Finance-wise—we're in good shape and are planning for future revenues through new publications—credit Steve Walkinshaw for the book-keeping—credit Ron Tisdale for initiating the Red Book Field study update.

Information-wise—The MGS bulletin is a great vehicle. Hard work, too—credit George Harris. Remember the Membership Directory?—credit Dora Devery and, of course, it is paid for by advertisements—credit Justin Devery.

Activity-wise—public service/Blood Drive; government service/ Geological Survey library donation; affiliated science service /hosted GCAGS; academic service—the Boland scholarships; member service—that's what this message is pointing out.



Mississippi Geological Society
NOON MEETING
TUESDAY, MARCH 13, 1984
Smackover Room, Petroleum Club

SPEAKER: Lawrence R. Baria

TOPIC: Smackover Platform Sand
Bodies: A Bahamas Model

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Biographical Notes:

Lawrence R. Baria received a B.S. and M.S. in geology from Northeastern Louisiana University from 1963-69.

From 1971-74, he attended LSU to pursue a Ph.D. in geology. Worked for the Arkansas Geological Commission, U.S. Forestry Service and U.S. Geological Survey as a field geologist in Colorado, Alaska, Louisiana and Arkansas.

In 1974 he went to work for Getty Research Lab where he worked for three years, then joined Enserch Exploration as an exploration geologist until 1979.

From that time forward, he has been a consulting petroleum geologist working with Jurassic in Mississippi, Alabama, and Florida.



ABSTRACT

SMACKOVER PLATFORM SAND BODIES: A BAHAMAS MODEL

Lawrence R. Baria

Stave Creek Field, a potential multimillion barrel Smackover oil field in Clarke County, Alabama, owes much of its prolific production to an extensive, one hundred foot thick buildup of porous ooid and peloid grainstones.

Seismic profiles and residual gravity maps indicate that the field is located on the edge of a large, Jurassic-aged, northeast tilted block of some 12 square miles in plan (20 sq. km.). The block, which formed a shallow platform for Late Jurassic deposition, is bounded on the west by an older component of Jackson Fault and slopes eastward into the present graben complex of the Gilbertown and West Bend Faults. This location placed the platform in a position between the mouth of the Manila Embayment and the eastern edge of the Mississippi Interior Salt Basin. Tidal fluctuation between basins and the open marine conditions to the west had a strong influence on sedimentation across the platform.

Cores from the area indicate a pronounced westward trend in increased carbonate grain stability and sediment winnowing. Smackover sediments from the deeper east side of the platform are composed primarily of peloidal lime mudstones and wackestones. Those of the central platform are peloidal and oncoidal wackestones and packstones. Those of the western edge form a high-energy facies of well-sorted ooid and oncoidal grainstones, e.g. the Stave Creek Field reservoir.

A modern analog to the deposition on this Jurassic platform is found along the margins of the Great Bahama Bank, and specifically the north Andros-Joulters Cays area.



REDBOOK UPDATE 1984

Well, It's that time again! Approximately four years have passed since our last Redbook Update and the combination of industry activity and successful drilling during the "Boom" years necessitates another update.

As most of you know this is the society's most popular and useful publication and requires commensurate time, effort and input for society members. In many instances, it is our own local membership that professionally benefits the most from the publication. The update will only be as good and timely prepared as input is received so give the committee as much help as you can when your assistance is requested.

The following is a list of 1984 committee members:

	Ron Tisdale (chairman)	
Kipp Ferns		John Marble
Phil Cook		George Harris
David Hancock		Dora Devery
Simeon Horton		





M.G.S. Presentation group: left to right, Kipp Ferns (1st VP), Ron Tisdale (2nd VP), Dora Devery (Secretary), Neil Barnes (Program Chairman), Carolyn Woodley (Bureau Librarian), Steve Walkinshaw (Treasurer), Charles H. Williams (President)

The Mississippi Geological Society has recently made a donation in support of the Mississippi Bureau of Geology Library by funding the acquisition of \$500 worth of geologic literature. The presentation was made in behalf of the Society by this year's administration to Carolyn Woodley, Bureau Librarian, and consists of the following material:

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Seismic expression of structural styles, A.W. Bally, ed., A.A.P.G.

Studies in Geology, no. 15, v.3,1983 \$42.00

The COCORP seismic reflection traverse across the Southern Appalachians, F.A. Cook, et al., A.A.P.G. Studies in Geology, no. 14, 1983. \$18.00

ACADEMIC PRESS

Lithostratigraphic analysis of sedimentary basins, C.E.D. Conybeare, 1979. \$55.00

Nature and origin of Cretaceous carbon-rich facies, S.O. Schlanger and M.B. Cita., 1983 \$39.00

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Jurassic of East Texas, Mark Presley, ed., East Texas Geological Society,
1983. \$35.00

Upper Cretaceous lithostratigraphy and biostratigraphy in Northeast
Mississippi, Southwest Tennessee, and Northwest Alabama, shelf
chalks and coastal clastics, Spring Field Trip, Gulf Coast Section,
S.E.P.M., 1983. \$20.00 (total for 2 copies)

Mesozoic-Paleozoic producing areas of Mississippi Geological,
1963-1980. \$50.00

PENNWELL BOOKS

U.S.A. Oil Industry Directory, 23rd edition, Pennwell, 1984. \$75.00

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pletion, J.A. Short, 1983. \$60.00

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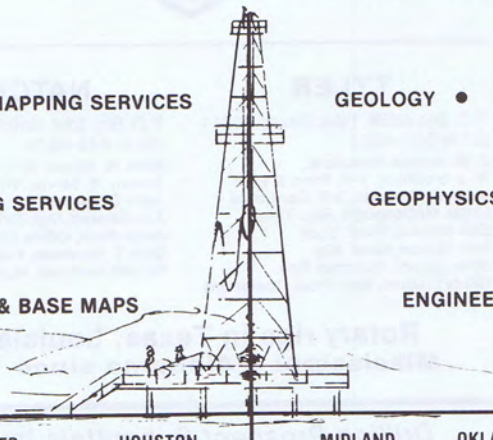
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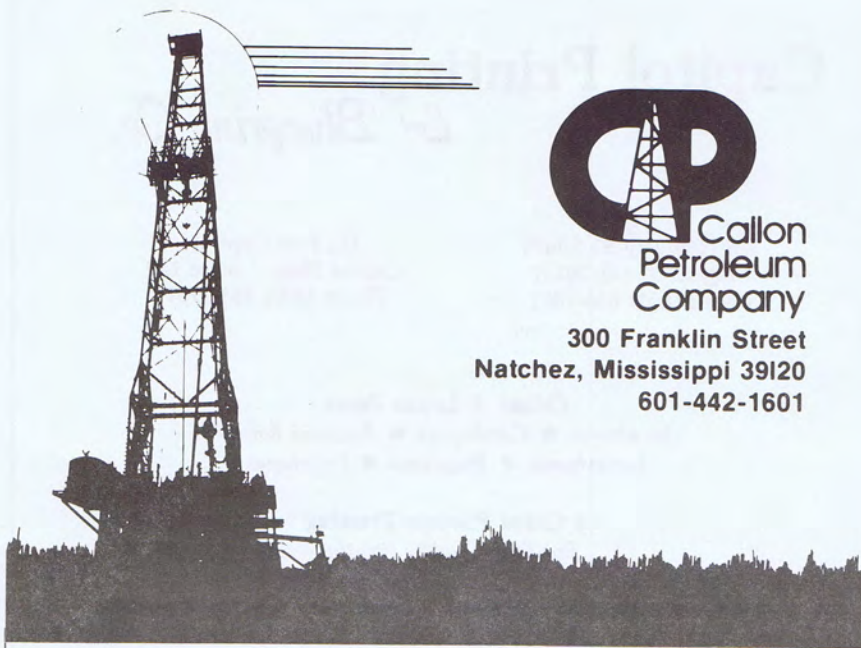
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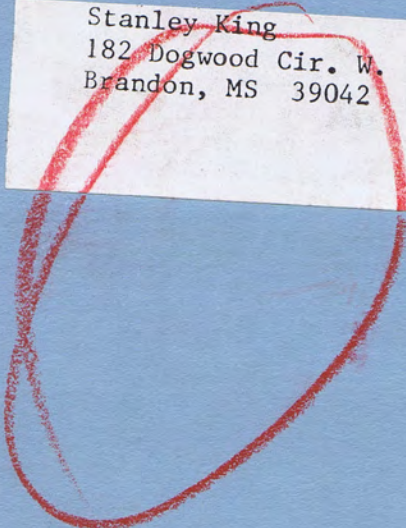
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Volume XXXI

No. 8

April 1984



1983-1984



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PRESIDENT'S COMMENTS . . .

This year, due to extenuating circumstances, we are asking your indulgence in a change of program events. We were recently notified that the Fireman's Lodge had cancelled all reservations including our SPRING FLING date. Your society officers met on two occasions to consider options and have approved the following arrangements. We have combined the SPRING FLING with our election night BAR-B-QUE. The SPRING FLING is now scheduled at Fowler's Lodge, May 4 — details elsewhere in the bulletin. Entertainment Chairman T.C. Rader has agreed to cook enough Bar-B-Que to include our spouses. I'll look forward to seeing you and your spouse (or date) there.

Also listed in this bulletin is the slate of officers provided by Nominating Committee Chairman Buddy Twiner. It is an excellent slate and I personally appreciate the willingness of the nominees to stand for election. The results of the election will be announced at the SPRING FLING BAR-B-QUE.

Those of you who attended the March program participated in a survey by Program Chairman Neal Barnes to determine interest levels in continuing educational seminars. I'm happy to report that the interest ran high. Neal discusses the future plans elsewhere in this bulletin.

By now, most of you have heard that the Blood Battle ended in a draw. The MGS won the first skirmish and the MPLA won the second. We will share the \$500 charity contribution half and half.

Charlie Williams
President

MGS SPRING FLING BAR-B-QUE & ELECTION

Friday, May 4, 1984

Fowler's Lodge

The annual MGS SPRING FLING BAR-B-QUE will be held on Friday, May 4, 1984, at Fowler's Lodge on the Reservoir. The doors will open at 4:30 p.m. for social refreshments with dinner being served at 6:30 p.m. As in the past, the menu of ham, beef and smoked sausage will be prepared by T.C. Rader and staff. Appetizers this year will include T.C.'s special barbecued Swedish meatballs.

BRING YOUR SPOUSE!

Spouses (or dates) are welcomed at this year's SPRING FLING BAR-B-QUE event.

Please phone your reservations to T.C. Rader (969-3286) by Wednesday, May 2. T.C. could also use some help out at the lodge on the day of the event, so don't hesitate to offer your time and services if so inclined.

Admission charges will be \$5.00 per person for Society members and guests and \$10.00 per person for non-members and guests.

The election of the 1984-85 MGS officers will also be held at the barbeque. A slate and brief candidate resume' is listed in the bulletin. If unable to attend, please mail your absentee ballot to arrive by election day to:

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111 Capitol Building
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ABSENTEE BALLOT
Mississippi Geological Society
Election of Officers 1984-85

For 1st Vice President

- RON TISDALE LAWRENCE R. BARIA

For 2nd Vice President

- DORA DEVERY TOM SWISHER

For Secretary

- STEVE WALKINSHAW BILL BAGNALL

For Treasurer

- J.R. (BOB) WHITE BRUCE CAMPBELL

Signature: _____

Please mark envelope "BALLOT" on the outside and mail to arrive by election day, May 4, 1984. Mail to:

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777 Capitol Building
Jackson, MS 39201

This ballot is for **absentee use only**. Regular election ballots will be distributed at the MGS spring barbecue to those attending.

Lawrence R. Baria
(1st Vice President)

Academic Training:

1963-69 Northeast Louisiana B.S. & M.S.
1971-74 Louisiana State University P.H.D. studies

Experience:

1974-76 Getty Oil Co. Exploration & Production Research Lab
1976-78 Enserch Exploration, Inc.
1978 to present Consulting Geologist, Jura-Search, Inc.

Professional Affiliations:

AAPG
MGS
SEPM
SEG

Professional Activities:

1983 GCAGS Program Chairman
1977-81 MGS Continuing
Education Chairman

Ron Tisdale
(1st Vice President)

Academic Training:

1971 University of Alabama, B.S.
1974 University of Tennessee, Master of Science

Experience:

1971 Union Oil Co. of CA/Geological Assistant
1974-77 Union Oil Co. of CA/Staff Exploration & Development
Geologist
1978 Union Oil Co. of CA/Staff Exploration Geologist
1979 to present Union Oil Co. of CA/Area Exploration Geologist

Professional Affiliations:

American Association of Petroleum Geologists
Geological Society of America
Society of Economic Paleontologists and Mineralogists
Mississippi Geological Society
Jackson Geophysical Society

Professional Activities:

1975 GCAGS Convention/Speaker's Assistant
MGS-1976 Projection
MGS-Field Trip Committee (1978), Assistant Field Leader
MGS-2nd Vice President (1983-84)

Dora M. Devery
(2nd Vice President)

Academic Training:

1976 Rutgers University, B.A.
1979 Texas Christian University, M.S.

Experience:

1979-81 Mississippi Bureau of Geology
1981 to present Placid Oil Company

Professional Affiliations:

Mississippi Geological Society
Jackson Geophysical Society
AAPG
SEPM

Professional Activities:

1983 GCAGS/Printing Committee (Co-Chairman)
MGS-Secretary (1983-84)

Tom Swisher
(2nd Vice President)

Academic Training:

1974 Lamar University, B.S.
Ocean Technology/Marine Geology

Experience:

1974 to present Core Laboratories

Professional Affiliations:

Mississippi Geological Society, SPWLA
1983 GCAGS Transportation Chairman

Bill Bagnall
(Secretary)

Academic Training:

1968 Campbell College B.S.
1970 West Virginia University M.S.

Experience:

1970-81 Columbia Gas
1981 to present Clayton W. Williams, Jr.

Professional Affiliations:

Appalachian Geological Society
Mississippi Geological Society

Professional Activities:

Appalachian Geological Society-
President, Vice President and Secretary

Steve Walkinshaw
(Secretary)

Academic Training:

1981 Millsaps College, B.S. (Honors)

Experience:

1980-81 Forest
1981 to present Hughes & Hughes, Exploration Geologist

Professional Affiliations:

Mississippi Geological Society

Professional Activities:

1983 GCAGS/Exhibits Committee (Chairman)
1982 Millsaps College Instructor
Geology 302 (Petroleum Geology)
MGS-Treasurer (1983-84)

Bruce Campbell
(*Treasurer*)

Academic Training:

1976 Auburn University B.S.

Experience:

American Natural Resources

1980-82 Florida Exploration Co.

1982 to present Riddell Exploration Co.

Professional Affiliations:

AAPG

MGS

Professional Activities:

Chairman of 1983 GCAGS Audio-Visual Committee

J.R. "Bob" White
(*Treasurer*)

Academic Training:

1974 University of Alabama, B.S. in Geology

1976 University of Alabama, M.S. in Geology

Experience:

1974-76 University of Alabama, Alabama Geological Survey
(part time)

1976-78 Amoco Production Company

1978-80 Hunt Energy Corporation

1980-82 Browning & Welch, Inc.

1982 to present Mississippi Mineral Exploration

Professional Affiliations:

Mississippi Geological Society, AAPG, SPWLA

MGS-Projectionist (1983-84)

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Bill Bagnall
*Clayton W.
Williams, Jr.*

TREASURER



J. R. (Bob) White
*Mississippi Mineral
Exploration*



Bruce Campbell
*Riddell
Exploration Co.*

CONTINUING EDUCATION SURVEY RESULTS

Fifty-three responses were received to the continuing education survey which was distributed at the last luncheon meeting. Forty-nine of the respondents indicated an excellent or good chance they would attend an evening continuing education lecture. The subject receiving the highest interest was carbonate depositional processes followed by clastic depositional processes and carbonate diagenetic processes.

Considering the high degree of interest and a likelihood of good attendance, plans will be made to have a one evening continuing education presentation. Arrangements for a fall 1984 presentation on carbonate depositional processes will be attempted. If successful, a spring 1985 clastic depositional processes presentation may be arranged.

The help of the respondents in completing the survey is greatly appreciated. Their direction is the first step to insuring a beneficial program. The second step also requires membership direction. If there is a lecturer who you would like to recommend for either of the two presentations, please call Neil Barnes (961-6305).

Clyde Moore of the Applied Carbonate Research Program at L.S.U. is looking for Smackover conventional cores from updip Smackover (Newton, Lauderdale, Clarke, Jasper, Jones, and Wayne Counties) and downdip Smackover (Forrest, Green, Perry, George, Stone, Harrison, and Jackson Counties) for inclusion in the program's evaluation of Smackover of the Gulf Coast. If you have any such cores or any questions, please call or write:

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Applied Carbonate Research Program
Department of Geology
Louisiana State University
Baton Rouge, Louisiana 70803
(504) 388-8328/3353



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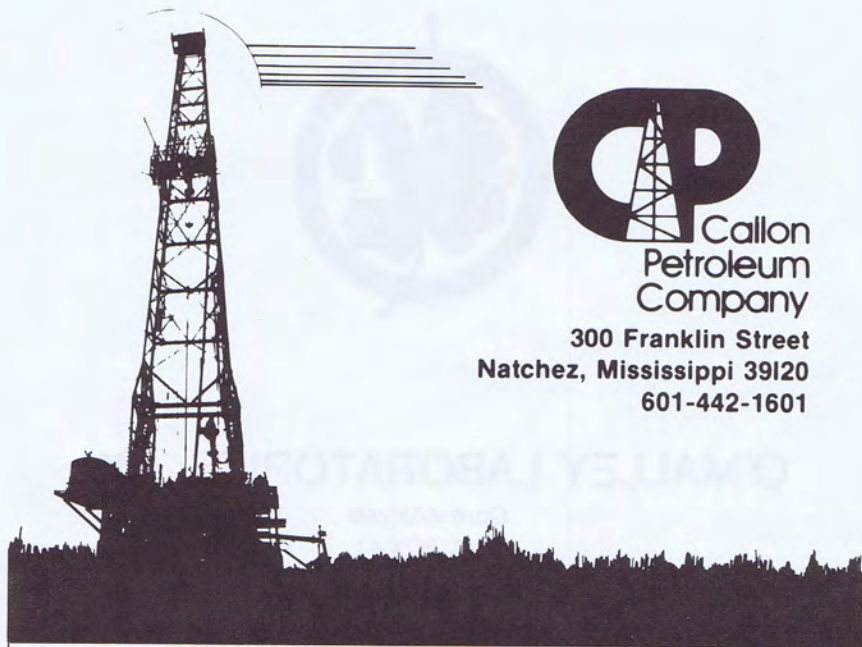
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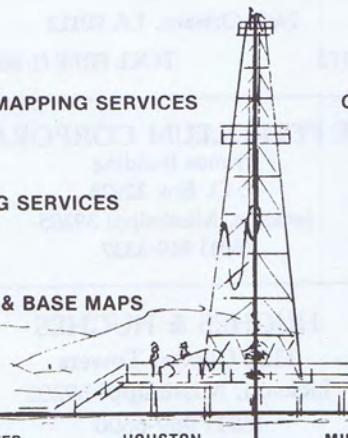
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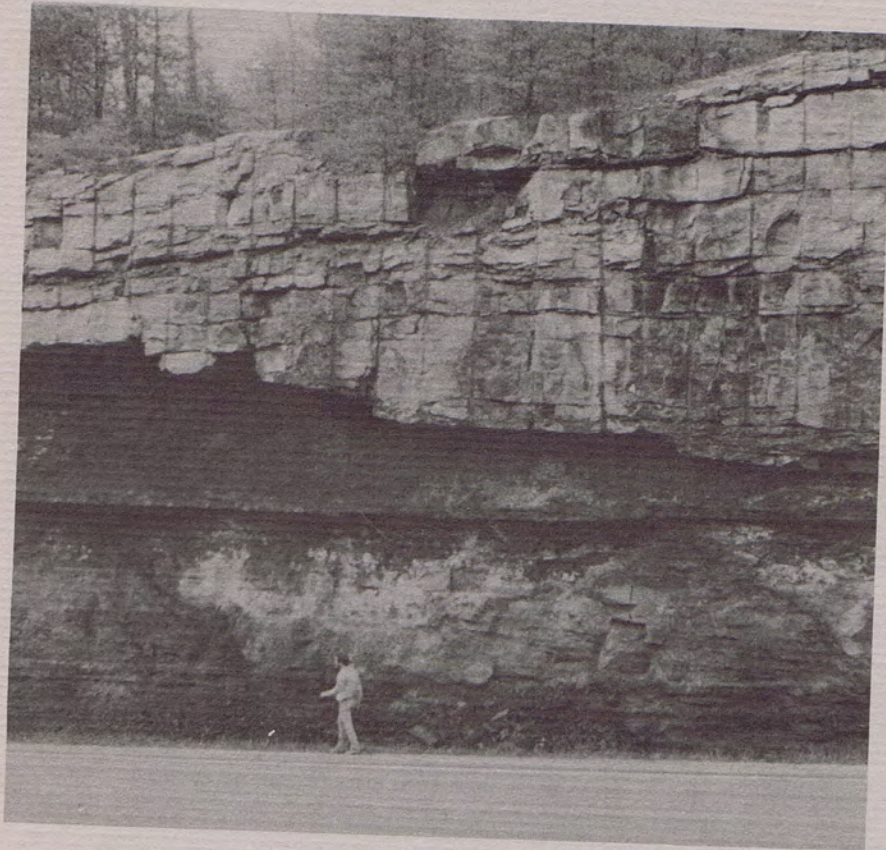


MISSISSIPPI GEOLOGICAL SOCIETY

Volume XXXI

No. 9

May 1984



1983-1984



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PRESIDENT'S COMMENTS. . .

I think all of us can be proud of the Society's accomplishments this year. Our finances are in great shape and the Red Book supplement underway will assure us of additional revenues in the near future. We hosted a great GCAGS convention and all of our monthly programs were excellent. Our monthly bulletins are a continuing real source of pride and they pay their own way through the advertising. We've had some fun; yet, we shared with others through our scholarships, blood donations, heart contributions, and library donations. What I'm trying to say is that your officers and your committee chairmen and you, collectively, have significantly contributed to a very good year indeed.

It has been my special honor and pleasure to have served as your president this year.

Charlie Williams
President



PRESIDENT-ELECT'S COMMENTS. . .

Under the leadership of Charlie Williams, this past year has been a good one for the Mississippi Geological Society. Thanks very much, Charlie, for taking much time out of your busy schedule.

I am looking forward to another great year for our society.

Ron Tisdale, our 1st Vice President, has agreed to stay on as Chairman of our Red Book Supplement Committee. Remember this requires a lot of cooperation so please be ready to help on this important society project.

Neil Barnes is staying on as Program Committee Chairman, with plans in the making for a Fall Seminar on Carbonates. T.C. Rader will remain as Entertainment Chairman. Thank you again T.C. for the quality food and door prizes at our Spring Get-Together. I have had many comments about this type of Get-Together so unless you have any suggestions let's plan on the same type of meeting next spring. A special thanks to Schlumberger for supplying the refreshments and cooking equipment at our Spring Get-Together.

Another special thanks to George Harris for the tremendous job he has done on the society bulletin over the past two years. Don Hudson of Helmrich and Payne has agreed to take over as Editor of the bulletin. Working with him will be Cecil Basset, Location Sample Service, taking over the advertising responsibility from Justin Devery of Union Oil.

I am looking forward to seeing you at our first meeting in September.

Kipp Ferns
President-Elect

TREASURER'S REPORT

Mississippi Geological Society

May 1, 1984

Cash balance, November 1, 1983		\$ 682.03
Sources of cash:		
Cash generated by operations	\$22,306.55	
Money Market (A.I.A.) account	<u>13,828.10</u>	
Total sources of cash		\$36,134.65
Uses of cash:		
Operating Expenses	15,871.28	
Total uses of cash	<u>15,871.28</u>	
Increase in cash		<u>20,263.37</u>
Cash Balance, May 1, 1984		<u>\$ 29,945.40</u>
Current Ending Balance, Regular Checking Account:		\$ 7,117.30

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Mississippi Geological Society
**INCOME STATEMENT FOR
FISCAL YEAR ENDED
May 31, 1984**

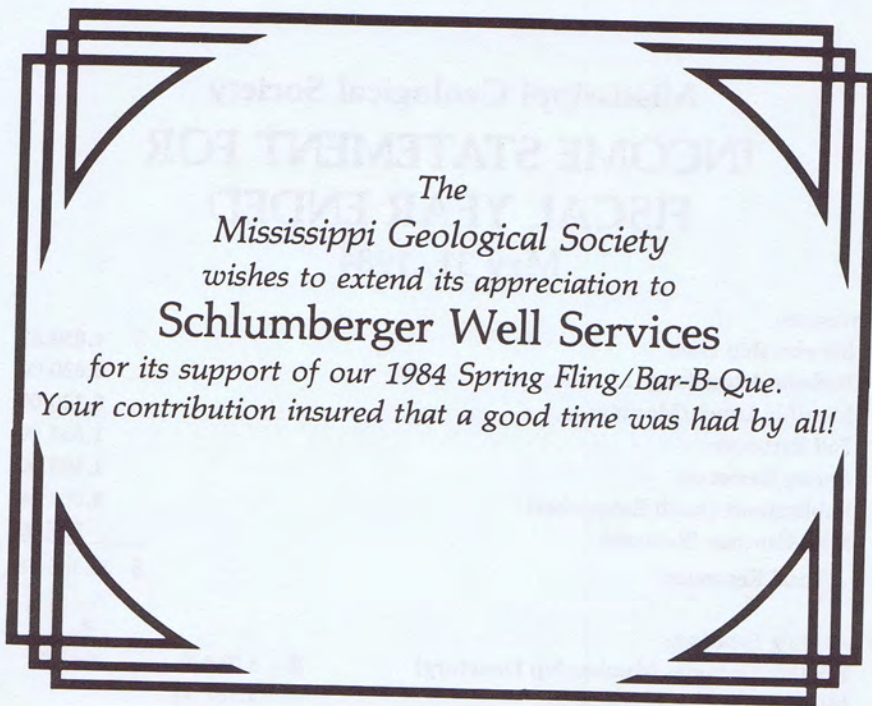
Revenues:

Membership Dues	\$ 4,850.87
Bulletin Advertising	5,630.00
Monthly Lunch/Meetings	5,120.00
Fall Barbecue	1,335.00
Spring Barbecue	1,105.00
Publications (Earth Enterprises)	4,008.68
Miscellaneous (Refunds)	<u>257.00</u>
Total Revenues	\$ 22,306.55

Operating Expenses:

Printing (Includes Membership Directory)	\$ 5,718.74
Monthly Luncheon/Meetings	3,187.94
Postage & Postal Supplies	1,127.94
Donation, Bureau of Geology Publications	498.45
Speaker Expenses & Honorariums	938.40
Change	675.00
Fall Barbecue	1,567.14
Spring Barbecue	1,530.94
Miscellaneous (Plaques, Service Charges)	<u>626.73</u>
Total Operating Expenses	<u>15,871.28</u>
	\$ 6,435.27

By: _____
Steven S. Walkinshaw
Treasurer



The
Mississippi Geological Society
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M.G.S. 1984-1985

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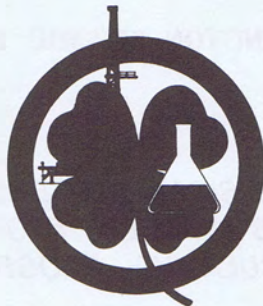
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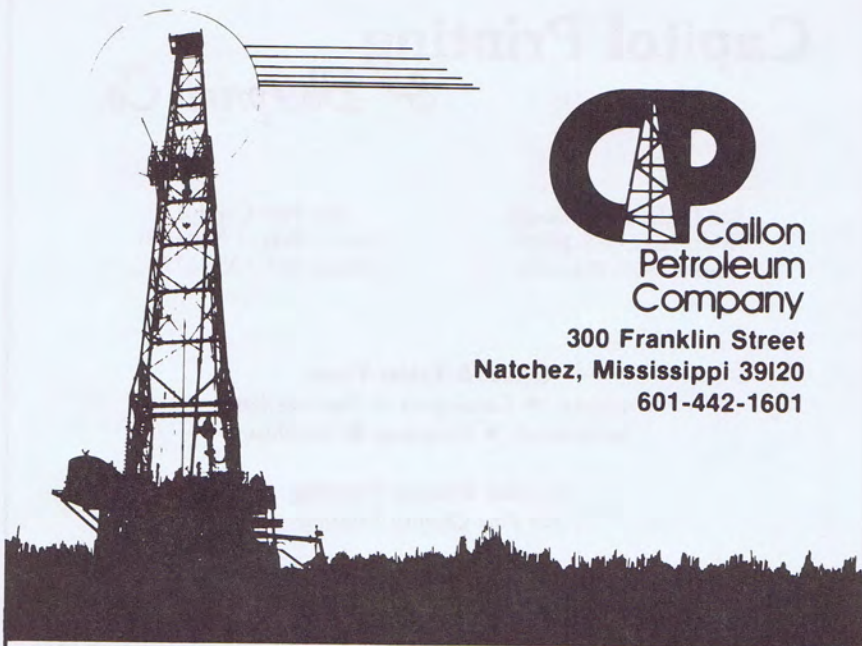
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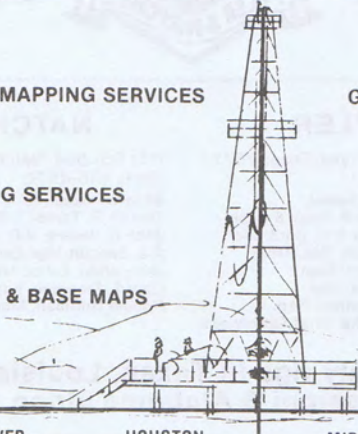
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