

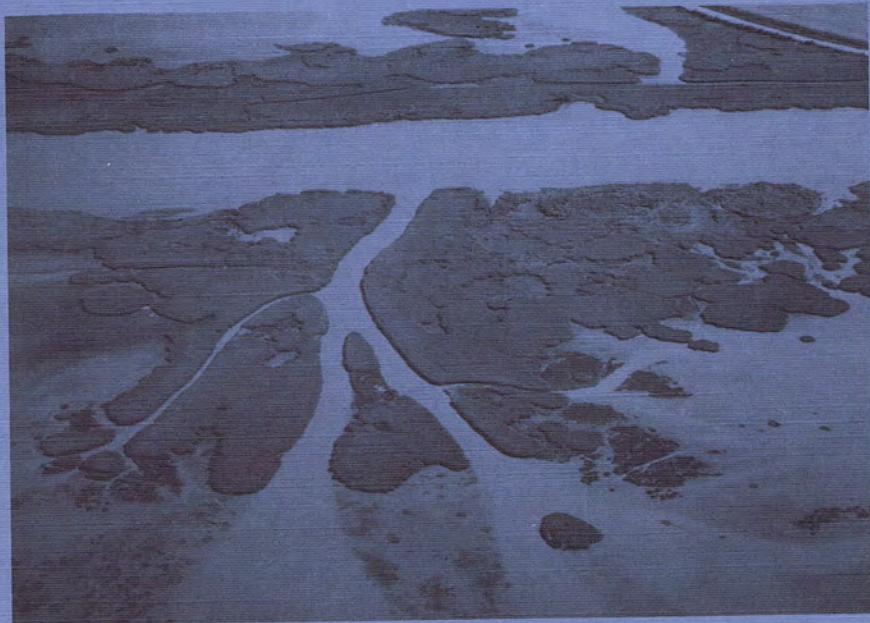


MISSISSIPPI GEOLOGICAL SOCIETY

Volume XXX

No. 1

September 1982



1982-1983

MISSISSIPPI GEOLOGICAL SOCIETY 1982-1983

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Cover: Crevasse splay off Mississippi River deltaic distributary channel
Courtesy of Kurt Rudolph

PRESIDENT'S PAGE

Our society is beginning another new year, 1982-83. We hope that it will be a successful year for the Mississippi Geological Society and a profitable year for the society membership.

We anticipate a busy year for society members as we plan and participate in society functions and jointly prepare for the G.C.A.G.S. Convention that will be here in Jackson in October, 1983. Please give freely of your time and ideas to support the Convention Chairman and the various committees. I hope that each of you becomes involved in the busy process of making the convention in Jackson a success. If you have not been contacted wish to help, please call John Marble at Forest Oil to volunteer.

Please note the new Mississippi Geological Society officers for this year that you elected at the barbecue last May. If we can assist you in any way please call on us.

Some bad news is necessary. Because of an increase by the Petroleum Club on lunches, our fee for the noon meetings this year will be increased to \$8.00. This fee covers not only the food you eat, but also the speaker and other expenses of the meeting.

The fall barbecue will be held September 14 at Fowler's Lodge with Data Log sponsoring again and Halliburton doing the cooking under the great leadership of T.C. Rader. We all appreciate the services that these people render each year and special thanks are always due T.C.

You should pay your dues before the barbecue to be admitted free. Otherwise you will have to pay your dues before admittance. The dues must be received by the Treasurer before the day of the barbecue or you will have to pay again. Don't forget! Guests to the barbecue will be charged \$10.00.

We hope to see each of you at the barbecue.

Buddy Twiner, *President*

Mississippi Geological Society

FALL BARBECUE

Tuesday, September 14, 1982
Fowler's Lodge

BEER — BAR — FOOD — DOOR PRIZES

It's time once again for the annual MGS Fall Barbecue. Activities will commence at 4:30 with dinner served at 6:30. There will of course be copious quantities of beer and other assorted liquid refreshments at the bar as well as door prizes and food. Smoked sausage, ham, and beef will be prepared by T.C. Rader on HALLIBURTON'S Barbecue wagon.

Please phone in your reservations to T.C. Rader (969-3286) by Friday, September 10th. T.C. could also use some volunteer help on the morning of the event and again after the festivities, so give a little of your time.

Society members will be admitted free while all non-members will be charged \$10.00 at the door. Please make an effort to pay your dues in a timely manner prior to the Barbecue.

This event is sponsored by:

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CONFERENCE

TUSCALOOSA, ALABAMA / 22-24 SEPTEMBER 1982
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*Alabama Department of Energy;
Geological Survey and State Oil and Gas Board of Alabama;
School of Mines and Energy Development, Department of Geology,
and Division of Continuing Education, the University of Alabama*

The Alabama Department of Energy, the Geological Survey/State Oil and Gas Board of Alabama, the School of Mines and Energy Development, Department of Geology, and Division of Continuing Education of the University of Alabama will host a Conference on Energy in Alabama on 22-24 September 1982. The conference will concentrate on energy resources and their potential in Alabama.

The conference program is divided into two sessions. The General Energy Session consists of discussions on alternate hydrocarbon energy sources in Alabama. The Oil and Gas Session will include presentations on Alabama's productive petroleum regions - the Black Warrior Basin and Southwest Alabama regions - and frontier areas - the Eastern Overthrust and Mobile Bay/Offshore Alabama.

The conference schedule includes two optional post-conference one-day field trips on 24 September 1982 to the Black Warrior Basin and the Appalachian Thrust Belt. The Black Warrior Basin field trip will examine surface exposures of Carboniferous units which are productive in the subsurface. The Appalachian Thrust Belt field trip will focus on structural styles and stratigraphy of the region.

The conference program and field trips will provide an excellent opportunity for geologists and laymen to become familiar with Alabama geology, the characteristics of the various energy resources of Alabama, and the future energy potential of the state.

Interested participants should submit a registration form before 31 August 1982.

\$70 Conference Registration Fee - 22-24 September

\$10 Student Conference Registration Fee

\$60 Warrior Basin Field Trip - 24 September

\$60 Appalachian Thrust Belt Field Trip - 24 September

**FOR REGISTRATION
OR
FURTHER INFORMATION
CONTACT:**

- John Burton
- Conference Activities
- P.O. Box 2967
- University, Alabama 35486
- (205) 348-6371

**FIELD TRIPS
Friday, 24 September 1982**

Black Warrior Basin Field Trip Leaders
Joe Benson, University of Alabama
Ernest Mancini and Lawrence Rheams,
Geological Survey of Alabama

Appalachian Thrust Belt Field Trip Leaders
William Thomas, University of Alabama
Thornton Neathery, Geological Survey of Ala.
James Tull, Florida State University

TUESDAY, 21 SEPTEMBER 1982

6:30- 9:00 Welcoming Reception
Best Western University Inn

**GENERAL ENERGY SESSION
WEDNESDAY, 22 SEPTEMBER 1982**

8:00- 9:00 Registration

9:00- 9:30 Opening Address: Energy
and Alabama, Jack Ravan,
Director Ala. Dept. of
Energy

9:35-10:05 Coal Geology & Production,
Thomas W. Daniel, Jr.
Geological Survey of Ala.

10:05-10:20 COFFEE BREAK

10:20-10:50 Lignite Stratigraphy &
Paleoenvironments
Everett Smith
Geological Survey of Ala.

10:50-12:00 Coal-bed Gas: Geology &
Drilling

a. Geology
Dan Thompson
University of Ala.

b. Drilling
Stan Graves
Graves Drilling Co.

12:00- 1:15 LUNCH
Continuing Education Center

1:15- 2:20 Oil Shale: Stratigraphy &
Extraction Feasibility

a. Stratigraphy
Karen Rheams
Geological Survey of Ala.

b. Extraction Feasibility
Carl Rampacek
University of Alabama

2:25- 3:30 Tar Sands: Geology &
Extraction Techniques

a. Geology
Charles Copeland
Geological Survey of Ala.

b. Extraction Techniques
George Wang
University of Alabama

3:30- 3:50 COFFEE BREAK

3:50- 4:25 Jurassic Geothermal/
Geopressure, Gary Wilson
State Oil & Gas Board of
Alabama

4:30- 5:00 Overview: Energy Research
& Development
Read Holland
University of Alabama

6:15- 8:30 RECEPTION & DINNER
Indian Hills Country Club

OIL & GAS SESSION

THURSDAY, 23 SEPTEMBER 1982

Session Leaders:

David Bolin and Douglas Hall
State Oil & Gas Board of Alabama

8:00- 8:20 COFFEE

8:20- 8:50 Petroleum Activity in Ala.
Jay Masingill
State Oil & Gas Board of
Alabama

8:55- 9:35 Black Warrior Basin
Bennett Bearden
State Oil & Gas Board of
Alabama

9:35-10:00 COFFEE BREAK

10:00-10:55 Paleozoics in North
Alabama, William Thomas
University of Alabama

11:00-12:00 Appalachian Thrust Belt in
Alabama, Edward Hohos
ARCO Exploration Co.

12:00- 1:15 LUNCH
Continuing Education Center

1:15- 2:00 Jurassic Porosity Development
Joe Benson
University of Alabama

2:05- 2:35 Cretaceous Paleoen-
vironments, Wayne Payton
University of Alabama

2:40- 3:00 COFFEE BREAK

3:00- 3:30 Miocene Gas Play
Dorothy Raymond
Geological Survey of Ala.

3:35- 4:30 Mobile Bay & Offshore Ala.
Woody Musson
Mobil Oil Exploration &
Producing Southeast, Inc.

4:35- 5:00 Petroleum Potential in Ala.
Ernest Mancini
Geological Survey of Ala.

Mississippi Geological Society
PUBLICATION LIST

SPECIAL VOLUMES

1. Mississippi Geological Society
Photo Directory, 1981\$ 6.00
2. Wilcox Fields of Southwest Mississippi,
Maps and production data on 171 fields,
in ring binder, 350 pp., 196922.00
3. Mesozoic Paleozoic Producing Areas
of Mississippi and Alabama
Volume I, Maps and producing data on 57 fields,
with 2 composite logs, clothbound,
139 pp., 195710.00
4. Volume II. Maps and production data on 77
fields, includes Supplement 1, in ring binder,
143 pp., 196315.00
5. Supplements 2 through 7 for Volume II, Maps
and producing data on 35 fields, 110 pp.15.00
6. Supplement 8 for Volume II, Maps and
producing data on 34 fields, 108 pp., 1980 ...30.00
7. Volume II. Complete with Supplements 2-8,
361 pp., 146 fields50.00

FIELD TRIP GUIDEBOOKS

8. Upper Cretaceous Outcrops, Northeast Mississippi
and West Central Alabama, Fourteenth Field
Trip, 29 pp., May 1959 4.00
9. Cenozoic of Southwest Mississippi and
Southwest Alabama, Fifteenth Field Trip,
52 pp., May, 1960 6.00

10. Cenozoic of Horn Island and the Pascagoula Valley, 10th Annual GCAGS Meeting, 24 pp., October, 1960 2.50
11. The Paleozoics of Northwest Arkansas, Sixteenth Field Trip, 48 pp., May, 1962 5.00
12. Tertiary Type Localities of East-Central Mississippi, 25th GCAGS Meeting, 133 pp., October, 1975 5.00
13. Mississippian Rocks of the Black Warrior Basin, Seventeenth Field Trip, 79 pp., April, 1978 . . . 8.00

COMPOSITE LOGS AND CROSS-SECTIONS

14. Composite Mesozoic Log of South Mississippi and South Alabama 2.00
15. Composite Paleozoic Log of Black Warrior Basin, Mississippi and Alabama 2.00
16. Well Log Correlation Sections, Paleozoic of the Black Warrior Basin, Set of 5 Sections . 10.00
17. Stratigraphic Cross-Sections, Jurassic of Mississippi, Alabama and Northwest Florida, Set of 9 Sections 50.00

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G.C.A.G.S.

Gulf Coast Section of A.A.P.G.

The 32nd annual meeting of the Gulf Coast Association of Geological Societies will be held this fall in Houston, Texas, October 26-31, 1982. The Shamrock Hotel will serve as convention site and headquarters. This year's convention theme is "Exploration In The 80's - A Team Effort", and sixty-two papers have been accepted by the GCAGS and SEPM for presentation. The keynote speakers at the convention are Tom Rollins and Bill Ramsey-Palmer.

This year's technical program offers an opportunity to be exposed to new geological ideas and exploration trends. In addition to the technical sessions being held by the GCAGS and SEPM, and AAPG short course, titled "Seismic Modeling: Geological Predictions and Pitfalls", will be held on Wednesday, October 27. Opportunities will also be available during the convention to visit the Tobin Theater and the Exhibit Hall.

Several other activities are also planned that should help mark this as one of the most interesting conventions in GCAGS history. Among them are pre-convention field trips in the Houston area, and a post-convention field trip to the Yucatan Peninsula of Mexico. The Ice-Breaker Cocktail Party and Wildcatter's Ball will provide opportunities to visit with both old and new friends. For the athletically inclined, the sports events this year will include golf, tennis, racquetball, handball, and a cross-country run. Some of this year's ladies activities will be the Ladies Historical Tour of Galveston and the Ladies Holiday Fashion Show and Luncheon.

Pre-registration is being held until October 1, and on-site registration will be held throughout the convention, beginning at noon on Wednesday, October 27, through noon on Friday, October 29. Further information may be obtained by contacting:

James O. Lewis
Chairman
(713) 972-1813

Richard Guerro
Registration
(713) 871-0434

Be sure to PRE-REGISTER if possible, and plan to attend. You will help make this the best convention that GCAGS has ever had.

Sincerely,
Bryan K. Richards
*Co-Chairman, Publicity Committee
1982 GCAGS Convention*

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Our newly elected secretary, Frank Johnson, has recently mailed out membership applications which most of you should have gotten by now. So please, renew your membership in the Society and send in your 1982-83 dues now.

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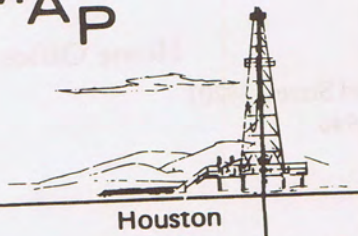
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MISSISSIPPI
GEOLOGICAL
SOCIETY

Volume XXX

No. 2

October 1982



1982-1983



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Cover: Pruet rig 15 in central Rankin County, Mississippi

Courtesy of Earl Slocum

PRESIDENT'S PAGE

As we write these comments we are preparing for the fall barbecue. Here's hoping that everyone enjoyed themselves with plenty of food, drink and conversation.

Our first noon meeting this year is a little early due to the availability of our speaker. It is on *Thursday, October 7*, instead of our usual Tuesday meeting date. Mr. Mosbacher should have some timely remarks that will interest each of us. Remember that the meeting fee has been increased to \$8.00.

The 1983 G.C.A.G.S. Convention Committees are still not all filled. I urge you to call Sarah Childress, John Marble or myself to volunteer to help in whatever capacity you would like to serve. We may be calling on you to fill specific leadership posts that are unfilled. Please cooperate with us so that we may plan a successful convention.

Don't forget this year's convention in Houston that runs October 26-31, 1982. You can save yourself some trouble if you pre-register.

Buddy Twiner

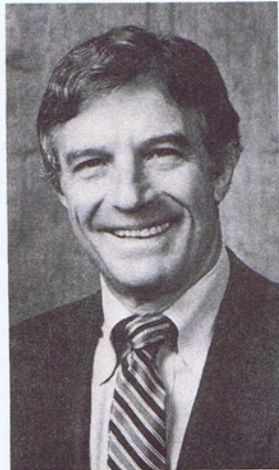
OCTOBER M.G.S. NOON MEETING

"The Oil Business - A New Ballgame"

Presented By: Robert Mosbacher

Place: Capital City Petroleum Club, Smackover Room

Time: Noon, October 7, 1982



BIOGRAPHICAL DATA

Robert Mosbacher

Independent Oil and Gas Producer

Business Address:

Suite 2100, 1300 Main Street, Houston, Texas 77002

Residence:

2515 Avalon Place, Houston, Texas 77019

Born:

White Plains, New York - March 11, 1927

Schools:

The Choate School, Wallingford, Connecticut

Washington and Lee University, Lexington, Virginia (B.S. - 1947)

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**Short Course
on
FORAMINIFERA**

Sponsored by the Paleontological Society
in connection with the
Geological Society of America Annual Meeting
New Orleans, 1982

Organized by
M.A. Buzas and B.K. Sen Gupta

Sunday, October 17, 1982
8:30 A.M. to 5:00 P.M.

St. Maxent Ballroom
Downtown Howard Johnson's
New Orleans

There is no registration fee. The price of the short course lecture notes is estimated to be \$6.00

Topics (and speakers)

Biology and paleobiology of foraminifera (J.H. Lipps); Classification of the Foraminiferida (A.R. Loeblich and H. Tappan); Ecology of benthic foraminifera (B.K. Sen Gupta); Biology of planktonic foraminifera (A.W.H. Be); Biogeography of modern benthic foraminifera (M.A. Buzas and S.J. Culver); Cenozoic benthic foraminifera (K.G. Miller); Cenozoic planktonic foraminifera (R.K. Olsson); Mesozoic planktonic foraminifera (W.E. Frerichs); Paleozoic foraminifera-fusulinids (C.A. Ross); Paleozoic agglutinated foraminifera (J.E. Conkin and B.M. Conkin)

**Third Annual Research Conference
THE JURASSIC OF THE GULF RIM**

**Baton Rouge, Louisiana
November 28 - December 1, 1982**

Registration Information

The Gulf Coast Section of SEPM invites your participation in a Research Conference on The Jurassic of the Gulf Rim. The Conference will be held November 28 through December 1, 1982, in Baton Rouge, Louisiana, at the Baton Rouge Hilton Hotel.

The program will include approximately 20 papers presented during 2½ days of technical sessions, and one evening session will be devoted to a core workshop. The workshop on classic Jurassic cores from the circum-Gulf area will be given twice. Technical papers will include:

- Studies of the Jurassic of Mexico, Texas, Louisiana, Alabama
- Seismic stratigraphy
- Porosity development and reservoir characteristics
- Regional lithostratigraphy
- Depositional systems and their influence on salt tectonics
- Subsidence and temperature histories
- Regional carbonate facies
- Depositional models and reef building organisms
- Plus field studies, paleontology, diagenesis, brine chemistry

Registration Fee

The registration fee for the Conference is \$100.00 and includes admission to all technical sessions, admission to one evening core workshop, the welcoming reception on Sunday, November 28, two lunches, a cocktail-buffet after the core workshop, and copies of meeting papers.

The Conference will be limited to 300 registrants on a first-come first-serve basis. For additional information contact:

Brian O'Neill
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P.O. Box 61933
New Orleans, LA 70161
(504) 588-4351

Forms and fees must be received by November 14, 1982

REGISTRATION FORM

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If you are applying for Special Student Registration Fee, check and complete the student information requested below.

The core workshop will be offered both Monday, November 29 and Tuesday, November 30. One half of the registrants will be assigned to each workshop in order to give everyone maximum access to the material presented. Please indicate your preference below. We will assign you to the session of your choice, if possible.

Monday Core workshop Tuesday Core workshop No preference

Registration Fee \$100.00 (Special Student Fee \$25.00)

Registration Deadline: November 14, 1982 / Advance Registration only

There will be no provisions for registration at the Conference.

Enclose check or money order payable to: Gulf Coast Section - SEPM
and return with this form to:

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Signature of your Dept. Chairman _____

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Special Research Conference Rates: Circle Accomodation Desired:

Single - \$57.00: Double: - \$66.00: Parlor and one bedroom - \$150.00

Parlor and two bedrooms - \$300.00. All plus tax.

These rates prevail until November 14, 1982. After this date reservations will be at regular Hilton rates. Reservations not held until after 6 P.M. unless guaranteed by

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GEOLOGICAL SOCIETY OF AMERICA

ANNUAL MEETING

New Orleans, Louisiana
October 17-21, 1982

The Geological Society of America will hold its 95th Annual Meeting in New Orleans from October 17 through October 21. Associated Societies meeting with GSA are the Paleontological Society, Mineralogical Society, Society of Economic Geologists, Cushman Foundation, Geochemical Society, National Association of Geology Teachers, and the Geoscience Information Society. Short courses, some symposia, exhibits, the hospitality room and some social events will be housed at the Hyatt Regency Hotel. Most of the technical sessions will be held in the adjoining Superdome.

Of special interest to geologists involved in exploration for and production of energy minerals are symposia on structure and geophysics of the Appalachian and Cordilleran foreland thrust belts; the stratigraphy and depositional history of the United States Atlantic Margin; the Ouachita Orogen; the paleobiology of hydrocarbon-rich strata; the tectonic evolution and early geologic history of the Gulf of Mexico and its margins; and Gulf Coast lignites. Technical sessions will include those devoted to the subjects of: coal, geochemistry, sedimentology, micropaleontology, stratigraphy, structural geology, marine geology, tectonics, and sedimentary petrology.

The subjects of short courses to be given on Sunday, October 17 include: deltas - their application to oil, gas, and coal exploration; remote sensing - image interpretation for geo-scientists; and geowriting.

Social events include a welcoming party on the evening of Sunday, October 17; alumni receptions on Monday, October 18; a riverboat cruise and dance on Tuesday, October 19, and the GSA annual dinner on Wednesday, October 20.

There will be 10 pre-meeting field trips and 5 post-meetings.

The guest program includes a hospitality room, two "technical sessions for non-technical people," a French Quarter Patio Tour, a Creole luncheon with entertainment by the New Orleans Ballet Company, and an antique-browsing tour.

Further information can be obtained from GSA headquarters, P.O. Box 9140, Boulder, Colorado 80301.

Jules Braunstein
General Chairman

S.E.P.M. SHORT COURSE Scheduled with G.C.A.G.S.

"STRUCTURES AND SEQUENCES ON CLASTIC ROCKS"

John C. Harms (Harms and Brady), John C. Southard (M.I.T.), and Roger G. Walker (McMaster University) are scheduled to present a 2-day version of "Structures and Sequences in Clastic Rocks" at the Marriott Astrodome in Houston on October 25-26 prior to the 1982 Gulf Coast Association of Geological Societies meeting under the joint sponsorship of SEPM and the Gulf Coast Section SEPM. Registrations are being accepted by SEPM, P.O. Box 4756, Tulsa, OK 74104.

This course is an expansion and revision of SEPM Short Course No. 2, first presented in 1975. The intent remains similar, to review the most recent experimental and stratigraphic studies of primary sedimentary structures, their meaning and their use in interpreting depositional environments. Progress of the last few years has led to some significant changes in the relationships between flow conditions, bed configurations, and stratification, and to a shift in the environments used as examples. Shallow marine deposits will be far more extensively covered than formerly in Short Course No. 2, and in addition, some fluvial models other than standard meandering and braided examples will be emphasized. The concentration will be on features and sequences observed on the scale of cores or outcrops that lead to identification of depositional attributes which can be applied to larger scale interpretation and prediction.

This course is appropriate for geologists who use rock studies to solve exploration or production problems, who teach courses in sedimentation or stratigraphy, and advanced students of sedimentology.

Pre-registration fees are \$295.00 for professionals, \$250.00 for full-time students.



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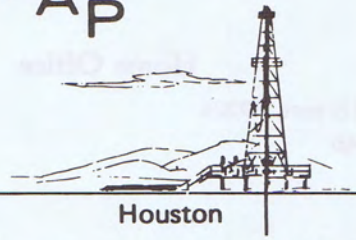
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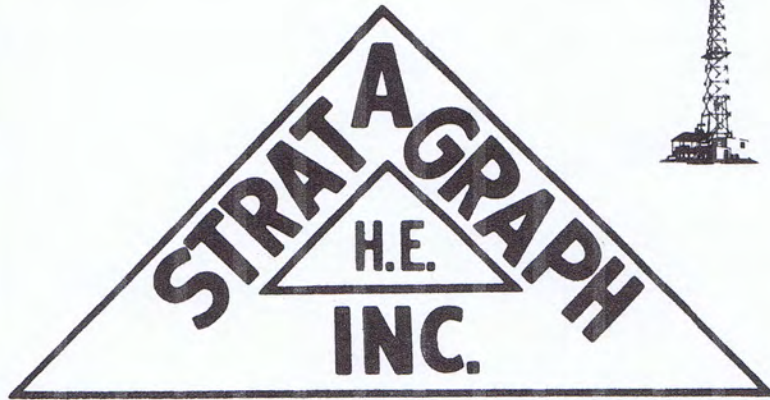
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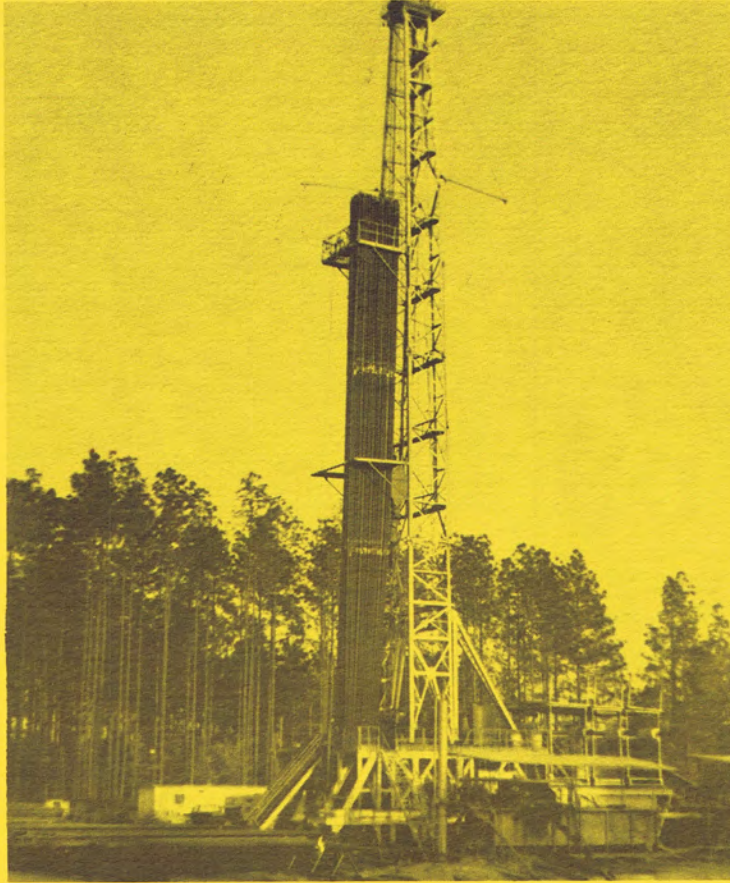


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Volume XXX

No. 3

November 1982



1982-1983

PRESIDENT'S PAGE

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Cover: Drilling operations in Chunchula Field, Mobile County, Alabama

PRESIDENT'S PAGE

At the M.G.S. October meeting scholarships were presented to three (3) geology students by the Lawrence F. Boland Memorial Scholarship Fund. For those of you who are not acquainted with this fund I think an explanation may be helpful to you.

Lawrence F. (Larry) Boland was a revered member of the geologic profession and served in varying capacities, including president, of the Mississippi Geological Society. He was also very active in many other interests in the community, making a valuable contribution throughout his life to mankind in general. After Larry's death some of his friends decided to honor him by beginning a scholarship trust fund in his name. The fund, incorporated in April 1980, operates under the auspices of the Mississippi Geological Society with Jerry Zoble, Vaughan Watkins, Jr., and Marshall Kern as incorporators. The board of trustees is comprised of Zoble, Watkins, Kern, Bill Moore and the society president. Under current procedure the first vice president (president-elect) chairs the committee of trustees and handles the operational functions of the fund. Tax deductible donations are placed in the trust fund's account and scholarships are awarded from interest earned on investments. None of the principal can be used for scholarships.

Preparatory to awarding the scholarship(s), geology department heads of the four (4) state geology departments are requested to submit nominations of students who will be junior or senior majors in geology during the fall semester of the year. The nominations are based on financial need and meritorious work in geology. The student should: have a high academic average, preferable 3.0 on a 4.0 system; have geological curiosity; be responsible, dependable and of good ethical character; be able to communicate; have a desire to graduate and work in the geologic profession. After receipt of the nominations, the board of directors meets to determine the recipient(s) of the scholarship funds. This year the board elected to award a \$600.00 scholarship to each of the three (3) students nominated.

Since inception, \$30,005 has been accumulated in the fund of which \$4,222.93 in interest was available for scholarships prior to the recent awards.

NOVMEBER M.G.S. NOON MEETING

*"Catahoula Creek Field:
A Complex structural and stratigraphic trap
in down-dip Cotton Valley Sands"*

Presented By: Torstein Sanness and David Hancock
(as presented at the 1982 G.C.A.G.S.)

Place: Capital City Petroleum Club, Smackover Room

Time: Noon, Tuesday, November 9, 1982

*(Please call in your reservations as soon as possible to T.C. Radar at 969-3286
to allow adequate seating.)*

DAVID HANCOCK

Graduated University of Southern Mississippi
B.S. Geology - December 1979
Presently Senior Geologist, Hunt Energy Corporation

TORSTEIN SANNESS

MS Geological Engineering
1971 - Norwegian Institute of Technology

1971-1975 - Saga Petroleum a/s Geologist - involved in
North Sea Exploration activities

1975-Present - Saga Petroleum U.S. Inc. Exploration
Program - Onshore Domestic U.S.

CATAHOULA CREEK FIELD, A COMPLEX STRUCTURAL AND STRATIGRAPHIC TRAP IN DOWNDIP COTTON VALLEY SANDS

Torstein Sanness and David Hancock

ABSTRACT

Catahoula Creek Field, one of Mississippi's most significant discoveries, is located approximately fourteen (14) miles northwest of Bay St. Louis in Hancock and Pearl River Counties, Mississippi. The field was discovered in August, 1981, with the successful testing and completion of the No. 1 Rhoda Lee Brown, Section 28, T6S, R15W. Stabilized flowrates of 10-13 MMCFGPD were encountered with FTP of 9100 - 9250# through 28/64" choke from Cotton Valley sands at a depth of 19,816' - 20,038'. A total of 114' net sand was perforated and acidized. Two additional field wells have been drilled, a western offset in Section 29, T6S, R15W and a southern offset in Section 33, T6S, R15W and are awaiting completion. A northern offset in Section 18, T6S, R15W was plugged and abandoned in September of 1982.

The Catahoula Creek Cotton Valley sands are presently not definable by seismic methods, therefore structure interpretation is based on either the Upper Smackover/Haynesville carbonate or the Middle Cotton Valley carbonate reflections. These two reflections are respectively approximately 950' below or 1000' above the pay zone. The Catahoula Creek Field is underlain by a high relief (900' - 1000') NW/SE trending salt-created closed structure at the Upper Smackover/Haynesville carbonate level bounded by major and minor down-to-the-coast faults.

The structure at the Middle Cotton Valley carbonate level is almost flat and only the major faults seem to carry through up to this level. This would indicate an Upper Jurassic time of structural growth.

The Cotton Valley gas sands (Kimmeridgian) in the Catahoula Creek Field were deposited in a shelf environment and can be numbered according to porosity zones from one (1) through eleven (11). To this state in development only zones one (1) through seven (7) have been perforated, but there are indications of hydrocarbons in all zones.

The reservoir rock exhibits matrix porosity of 4 to 18% directly related to mineralogy, lithology, and diagenetic history. Matrix permeability is low, .3 ► K ► .01 md or less, but intense vertical fracturing is eminent and fracture permeability has been measured in the range of 1 to 4.3 md, explaining the high flowrates while testing.

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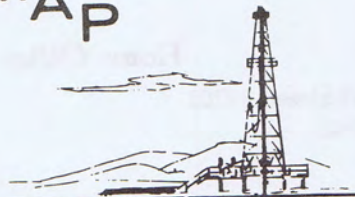
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Volume XXX

No. 4

December 1982



1982-1983

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PRESIDENT'S PAGE

Our society is actively preparing for the upcoming G.C.A.G.S. convention that will be in Jackson in October, 1983. The officers and 22 committee chairmen are assembling information and recruiting people to help provide the various services that make the convention run smoothly. This is an excellent opportunity for those of you who have attended these functions, but never worked in them, to learn about the organization and some of the things that occur behind the scenes. Perhaps, after observing the assembling of this convention, you will understand better the purposes and problems of the conventions. We still need helpers and urge you to become actively involved by volunteering your services to John Marble or others in the convention organization.

Please remember that the December meeting on December 14 is in the Quality Inn (formerly the Downtowner). A sign will be posted in the lobby to indicate location of the meeting room. Don't forget to call your reservations to T.C. Rader at 969-3286. The fee will be \$8.00.

Happy Holidays to all of you!

Buddy Twiner

DECEMBER M.G.S. NOON MEETING

"Facies Relationships, Diagenesis, and Porosity Evolution in Upper Jurassic Smackover Carbonates"

Presented By: Gill Harwood

Place: Quality Inn (formerly The Downtowner)

Time: Noon, Tuesday, December 14, 1982

*(Please call in your reservations to T.C. Rader at 969-3286
to allow adequate seating.)*

GILL HARWOOD

Gill Harwood gained an undergraduate degree in geology at the University of Bristol, England and Ph.D. research (Leeds and Open Universities) on carbonate facies relations, and diagenesis and associated lead-zinc-barite mineralization in Upper Permian (Zechstein) dolomites at outcrop in eastern England. Carbonates of equivalent age are gas producers in the Netherlands and the Dutch North Sea.

Since January 1982, he has been a postdoctoral research associate with the Applied Carbonate Research Program at Louisiana State University, Baton Rouge, there supervising master students who are working on regional stratigraphic trends within the Jurassic of East Texas and doing research on dolomitization with the Smackover in East Texas.

Facies Relationship, Diagenesis and Porosity Evolution in Upper Jurassic Smackover Carbonates

ABSTRACT

The Upper Jurassic Smackover Formation comprises carbonate mudstones to grainstones in a major shallowing-upwards sequence from Texas through to Alabama-Florida. Most hydrocarbon production is limited to ooid grainstones within the Upper Smackover.

Within these grainstones early diagenesis in the up-dip areas of the trend produced oomoldic porosity, whereas in the deeper, down-dip regions primary intergranular porosity is sometimes preserved between ooids. Porosity destruction resulting from compaction took place in lower energy pellet grainstones and packstones and also in some grainstones with collapse of oomolds. Dolomitization in East Texas and Alabama-Florida enhanced both porosity and permeability, whereas in Arkansas-Louisiana-Mississippi basinal fluids produced a secondary leached porosity. Overlying Buckner evaporites provide an efficient seal to hydrocarbon reservoirs throughout most of the trend.

Major trap types are both structural and stratigraphic with porosity variations due to diagenesis within the carbonates. Stratigraphic traps are related to the up-dip pinch outs and facies changes. Structural traps result from faulting, rejuvenation of basement structure or movement of the underlying Louann salt.

Differences in diagenesis and structure cause complex and variable burial histories throughout the Smackover trend. Examples from several fields will be used to demonstrate both these differences and variation in the time of hydrocarbon migration.



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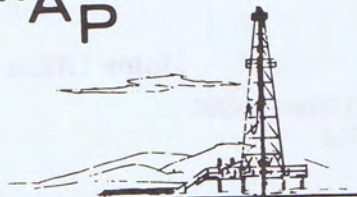
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PRESIDENT'S PAGE

I must begin this month's comments with apologies for last month's meeting. We had an excellent speaker, Jack McCunn, who gracefully substituted for our announced speaker, Gill Harwood. Unfortunately the facilities in the Quality Inn were inferior to those we normally use in the Petroleum Club. We regret that some members were crowded and could neither see the exhibits nor hear the speaker. We are returning to the Petroleum Club for our remaining meetings and hope that you will join us there.

Our society must elect an additional AAPG delegate to begin a term in July, 1983. This delegate will be elected from the paid-up AAPG membership in MGS. The nominating committee chairman is Jim Smith at Harkins. If you would like to volunteer for this position or need further information about it, please contact Jim at 353-2705.

Don't forget to call your reservations in for the January meeting.

Buddy Twiner

**S.E.P.M.
GULF COAST SECTION
FIELD TRIP**

The Annual Gulf Coast Section - SEPM field trip, "Upper Cretaceous Lithostratigraphy and Biostratigraphy of northeast Mississippi, northwest Alabama, and southwest Tennessee" will be held on April 8-9, 1983. Field trip leaders will be: Ernie Russell and Don Keady of Mississippi State University, Ernie Mancini of the Alabama Geological Survey, and Charles Smith with the U.S.G.S. in Washington, D.C. A series of outcrops spanning the Upper Cretaceous will be visited; the paleoenvironments represented will range from terrestrial to continental shelf. Details of logistics and cost are presently being worked out. For further information please contact: J.L. "Chip" Carney, Amoco Production Company, P.O. Box 50879, New Orleans, Louisiana 70150, Phone: (504) 586-6769.

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The Gulf Coast Section has much to offer, including the joint GCAGC/GCS-SEPM annual meeting, field trips, research conferences, and a newsletter (the 1982 research conference will be "Jurassic of the Gulf Rim" - the 1983 field trip will be "Litho and Biostratigraphy of the Upper Cretaceous in the S.E. Mississippi Embayment"). In some areas local members of the Gulf Coast Section hold a luncheon every few months, enjoy the association of other members, and listen to a guest speaker.

The Gulf Coast Section of SEPM has an impressive list of publications. Members of the section receive a discount on the price. A list of currently available publications is enclosed.

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JANUARY M.G.S. NOON MEETING

*"Porosity Development and Reservoir
Characteristics of the Smackover Formation
in South Alabama"*

Presented By: D. Joe Benson (*speaker*) and Ernest A.
Mancini

Place: Holiday Inn Downtown

Time: Noon, Tuesday, January 18, 1983

*Please call in your reservation
to T.C. Rader at 969-3286
to allow for adequate seating arrangements.*

THE FIRST PLACE and the **A.I. Levorsen Memorial Award**
were awarded to Ernest A. Mancini and D. Joe Benson for their
paper entitled "Regional Stratigraphy of Upper Jurassic Smackover
Carbonates of Southwest Alabama."

D. JOE BENSON

D. Joe Benson is a sedimentary petrologist and sedimentologist specializing in carbonate environments and diagenesis. He received his B.A. degree in Geology from the College of Wooster and his M.S. and Ph.D. degrees from the University of Cincinnati. He was employed as a research geologist by the Ohio Geological Survey from 1973 to 1978 and joined the Department of Geology and Geography at the University of Alabama in the fall of 1978. Benson teaches graduate-level courses in carbonate and clastic sedimentary petrology, sedimentology, and Recent carbonate environments of the Florida Keys. His research includes studies of depositional environments and diagenesis of Ordovician, Mississippian, and Jurassic carbonates; and Carboniferous clastics in Alabama, secondary porosity in sandstones, and porosity reduction due to ductile grain deformation in sandstones. Benson is a member of the Society of Economic Paleontologists and Mineralogists, the American Association of Petroleum Geologists, the Society of Sigma Xi, the Alabama Geological Society, and the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists.



ERNEST A. MANCINI

Ernest A. Mancini is a Gulf coastal plain stratigrapher specializing in biostratigraphy, paleoenvironments, and petroleum geology. He was educated at Albright College, Reading, Pennsylvania (B.S., Biology, 1969); Southern Illinois University (M.S., Zoology, 1972); and Texas A&M University (Ph.D., Geology, 1974). He was employed as an exploration geologist by Cities Service Oil Company from 1974 to 1976; his work stressed depositional environments and stratigraphy of Cretaceous and Tertiary sediments of the Alaska Peninsula and Bering Sea areas. Mancini joined the faculty of the Department of Geology and Geography at the University of Alabama in 1976 and became an Associate Professor in 1979. He teaches graduate courses in paleoecology, biostratigraphy, biogeology, micropaleontology, and petroleum geology. Mancini is listed in American Men and Women of Science and Who's Who in Technology Today; he is a member of Phi Kappa Phi, Sigma Xi, Phi Sigma, the Society of Economic Paleontologists and Mineralogists, the American Association of Petroleum Geologists, the Alabama Geological Society (Past President), and the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists.

POROSITY DEVELOPMENT AND RESERVOIR CHARACTERISTICS OF THE SMACKOVER FORMATION IN SOUTH ALABAMA

Deposition of the Jurassic Smackover Formation in south Alabama was significantly influenced by a number of topographic highs which were present during Smackover time. These highs, which are extensions of the Appalachian structural trend or salt diapiric features, include the Wiggins uplift and the Conecuh and Pensacola ridges. These features essentially divided the Smackover depositional basin in south Alabama into three smaller sub-basins, the Conecuh embayment, the Manila embayment, and an eastern extension of the Mississippi Interior Salt Basin. The existence of these sub-basins and the presence of the paleotopographic highs which separated them was responsible for a very irregular pattern of lithofacies distribution. Because of this widely varied depositional setting, the Smackover in south Alabama exhibits significant variation in lithologies and in porosity types and reservoir characteristics.

Examination of porosity types and reservoir characteristics in four of the major Smackover producing areas in south Alabama indicates that Smackover reservoirs vary dramatically from area to area. This variation is a result of differences in principal lithologies between areas and in differences in the diagenetic sequence produced by different depositional settings.

In the eastern portion of the Mississippi Interior Salt Basin in Washington and Choctaw counties, Smackover reservoirs are mainly partially dolomitized oolitic and oncolitic grainstones, and porosity is a mixture of primary interparticulate and secondary grain moldic (oomoldic) and dolomitic intercrystalline porosity. Reservoir porosities range from 10 to 30% with permeabilities of 1 to 500 md.

In the Manila embayment in Monroe County high-energy lithologies are absent and are replaced in the upper Smackover by low-energy, restricted marine lithologies. Porosity is dominantly secondary and includes dolomitic intercrystalline and fracture porosity in dolostone lithologies. Reservoir porosities range from 10 to 20% with 10 to 5,000 md permeability.

In the Conecuh embayment in Escambia County the Smackover reservoirs are characterized by low-energy lithologies that consist of dolomitized peloidal wackestones and packstones along with laminated mudstones. Porosity is secondary and is primarily dolomitic intercrystalline and grain moldic (pelmoldic). Porosities in producing horizons range from 8 to 30% with permeabilities of 20 to 50 md.

In the Hatter's Pond Field in Mobile County, which is situated on the northwest flank of the Wiggins Uplift, the Smackover consists of highly dolomitized oolitic, oncolitic, and peloidal packstones and grainstones. Porosity is mainly secondary and includes intercrystalline dolomite, grain moldic (oomoldic), and vuggy. Reservoir grade porosity, which ranges from 10 to 20% with permeabilities of 1 to 20 md, is restricted to the dolomitized, high-energy grainstone lithologies.

Because of the wide variation in depositional and diagenetic settings, reservoir characteristics for the Smackover Formation of south Alabama cannot be integrated into a single exploration model. Instead, separate models must be developed for individual areas and exploration techniques which are successful in one area may not necessarily be successful in another.

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In addition to the foregoing, numerous side trips to noted museums, castles and other varied points of interest will be undertaken during the course of the trip.

Estimated Cost

Registration Fee

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| Credit for Geology 390, Field Study of England and Scotland, four hours | \$ 508.00 |
| Audit | \$ 200.00 |
| Course Fee* | \$2650.00 |
| Full-Time Centenary Student | \$1650.00 |
| Group Flight Rate for Each Person | \$ 900.00 |

Enrollment limited to 48 participants (Coach limit; also smoking not allowed on any coaches in Britain, frequent stops will be made)

**Participants paying full course fee may pay an additional \$750.00 (plus registration and air fare) for an accompanying spouse. Fees include full English breakfast and dinner or lunch daily (except London, which includes breakfast only), all bus transportation, and airport transfers, guided tour of London, one choice stage play, field trip guides, and three meals daily while at West Dean College.*

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MAP 1. Tectonic Lithofacies Map of The Appalachian Orogen.

MAP 2. Magnetic Map of The Appalachian Orogen.

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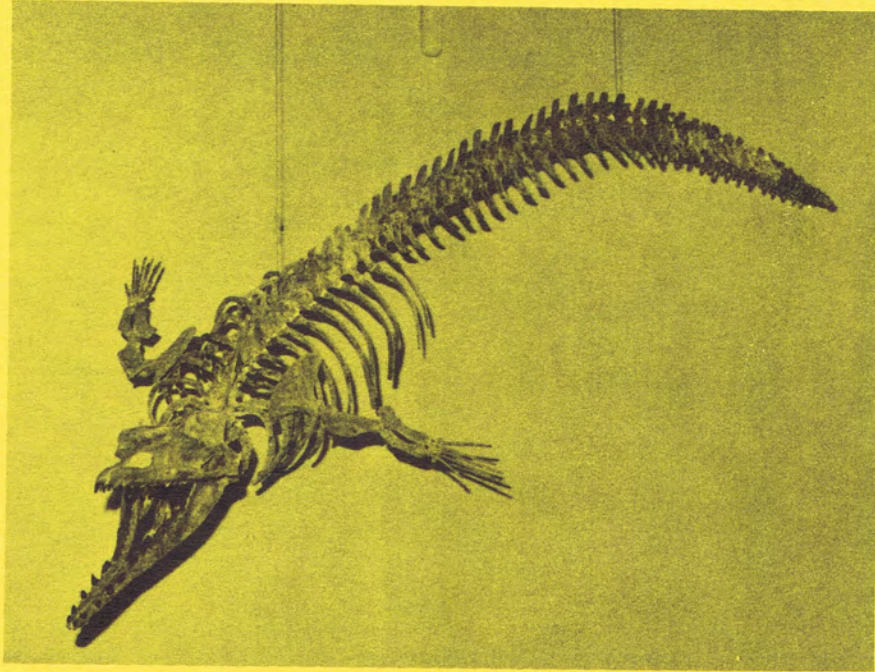


MISSISSIPPI GEOLOGICAL SOCIETY

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February 1983



1982-1983



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FEBRUARY M.G.S. NOON MEETING

"The Oil Business - A New Ballgame"

Presented By: Robert Mosbacher

Place: Capitol City Petroleum Club, Smackover Room

Time: Noon, Tuesday, February 8, 1983

Please phone in your reservations 601/969-3286.

Cost is \$8.00

BIOGRAPHICAL DATA

Robert Mosbacher

Independent Oil and Gas Producer



Business Address:

Suite 2100, 1300 Main Street, Houston, Texas 77002

Residence:

2515 Avalon Place, Houston, Texas 77019

Born:

White Plains, New York - March 11, 1927

Schools:

The Choate School, Wallingford, Connecticut

Washington and Lee University, Lexington, Virginia (B.S.-1947)

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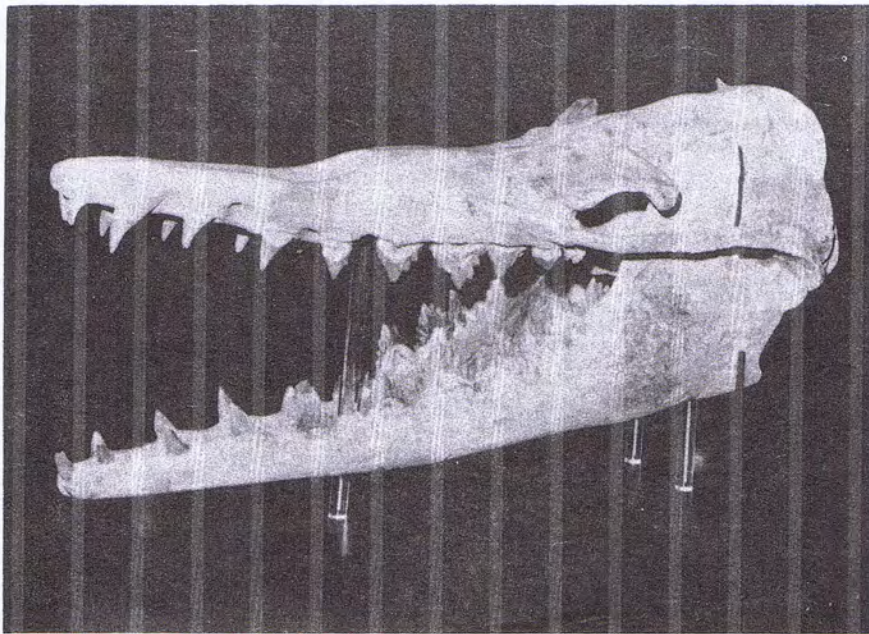
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Skull of fossil archaeocete whale *Zygorhiza* measures two feet long.
Courtesy of M. Frazier

STATE FOSSIL RESTORATION COMPLETED

In 1971, members of the Mississippi Gem & Mineral Society (MG&MS) collected the most complete skeleton in the world of the fossil archaeocete whale *Zygorhiza* from a creekbed in the vicinity of Tinsley Field, Yazoo County, Mississippi. The 16 foot long skeleton was partially prepared and stored until 1981 when the MG&MS and the Mississippi Museum of Natural Science Foundation (MMNSF) teamed to raise funds for the restoration and exhibit of this rare fossil.

School children and citizens from across Mississippi donated time and money to the fund raising program. The Mississippi State Legislature has designated the specimen as the official "State Fossil".

The restoration is now complete, with the Mississippi State Fossil on public display at the Mississippi Museum of Natural Science, 111 North Jefferson Street, Jackson, Mississippi.



**THE GULF COAST
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Convention — Jackson, Mississippi
October 1983

Call For Papers!

You are invited to participate in the 1983 GCAGS Convention in Jackson by submitting a paper for presentation. For the broadest possible appeal, the convention will have no theme; thus any paper will be cheerfully considered.

Papers will be presented orally at the convention and published in the Transactions.

Abstract Deadline: February 28, 1983

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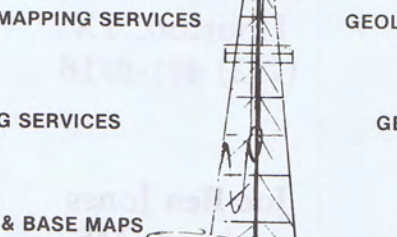
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Volume XXX

No. 7

March 1983



1982-1983

PRESIDENT'S PAGE

The following comments were written for distribution to our membership and is included here for your consideration.

The question of whether or not to decontrol natural gas prices is once again being addressed in Washington. Energy Secretary Donald Hodel has outlined plans for immediate control to the President and the Cabinet Council on Natural Resources and Environment. While President Reagan is encouraging continued work on the plan, he has not yet approved any specific bill. A decision is expected by early March.

Decontrolling natural gas prices is one of the energy industry's top priorities. Right now we can all play a key role by writing or telegraphing the Administration to urge that they introduce legislation to this effect. In the long run, everyone in Mississippi -- both producers and consumers -- will benefit by more reliable gas supplies at more predictable prices.

Listed opposite are the names and addresses of the key people. I urge you to contact them today. Thanks for your help.

Buddy Twiner
President

1. The Honorable Ronald Reagan
 President of the United States
 The White House
 Washington, D.C. 20500
 Dear Mr. President:
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2. The Honorable Donald P. Hodel
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Presented By: Ed Kyle
**Shell Oil Natural Gas Marketing &
Purchasing Group**

Place: Capitol City Petroleum Club, Smackover Room

Time: Noon, Tuesday, March 8, 1983

In addition to the presentation, a short business meeting of the Society will also be conducted.

Please phone in your reservations to T.C. Rader (601) 969-3286 so adequate arrangements may be made.

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If there is sufficient demand, a structured graduate program can be offered through the Jackson Engineering Graduate Program which is a joint Program of Mississippi State University and the University of Mississippi. A Master of Science in Engineering Science degree, with an emphasis in geological engineering could be earned entirely in Jackson through the University of Mississippi without the necessity of going to the main campus for residence credit or thesis work.

If interested in such a program, please complete the enclosed form and return to the Mississippi Mineral Resources Institute by March 15, 1983.

Those who express interest will be contacted by the Jackson Engineering Graduate Program and will receive more detailed information.

Sincerely,
Darrel W. Schmitz
Staff Geologist

Mississippi Mineral Resources Institute Survey

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Please return by March 15, 1983.

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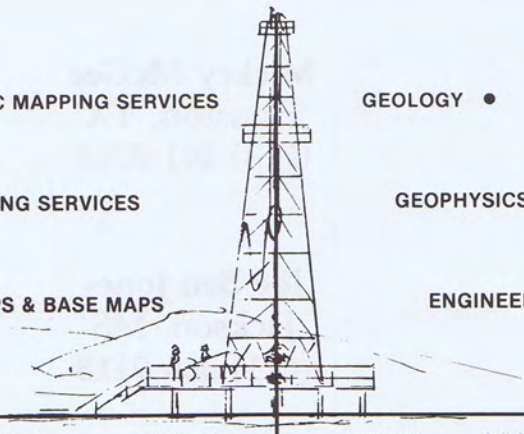
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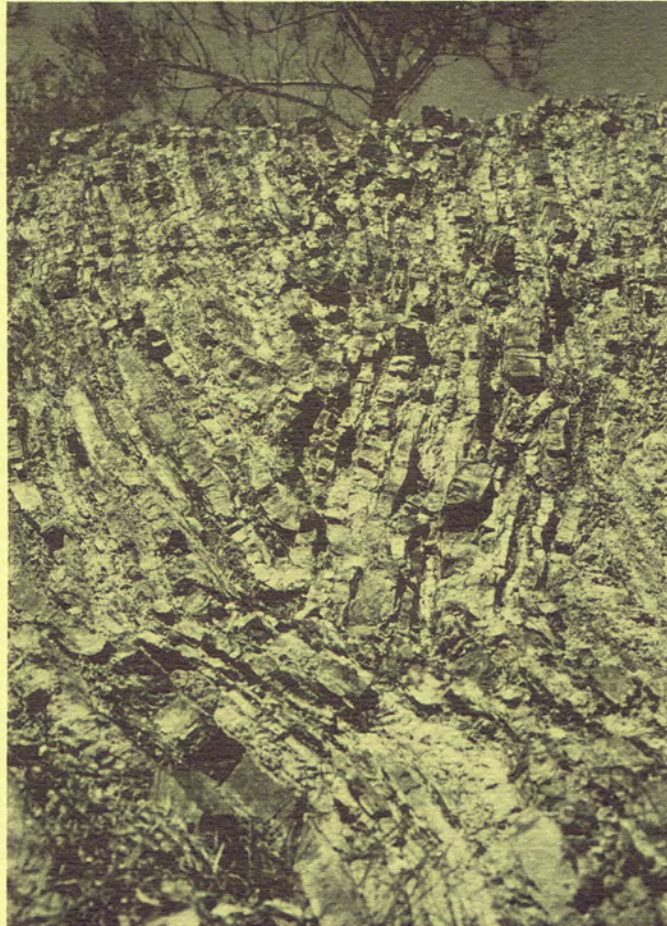


MISSISSIPPI GEOLOGICAL SOCIETY

Volume XXX

No. 8

April 1983



1982-1983

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1982-1983**

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Cover: Folding observed in Southern Appalachians Mississippi Section, Jefferson
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PRESIDENT'S PAGE

The Spring Fling will be in the same location as last year, at the Fireman's Lodge on the reservoir. Maps showing directions to the lodge will be available at the two ticket sites. Pre-purchased tickets to this event are necessary in order to determine the quantities of shrimp and crawfish needed. Please note the ticket deadlines and buy your ticket early. The cost is only \$5.00 per couple.

The food and drink is sponsored by Southern Mud Logging. We thank Joe Ben Jones and his company for providing funds to help us with this event. Please express your appreciation of our sponsors by using their services when you can.

We have contracted a country-western band, Lisa Ward and the Hi-Lites, through a Nashville agency. They "front" for Charlie Pride, Tanya Tucker and other artists and have cut some records of their own. They will furnish our music from 8:00 to 12:00 p.m.

We will award honorary membership to Bud Norman, a member of our society since 1942, at the Spring Fling. We will also attempt to show a film, courtesy Al Bicker, of a field trip taken in the early forties by society members.

Please come and bring your spouse so that she/he can possibly win a door prize. Enjoy the food, drink, conversation and entertainment at the MGS Spring Fling.

Buddy Twiner
President

MGS SPRING FLING
Friday, April 22, 1983 - Fireman's Lodge
6:00 p.m. - Midnight

MENU: Boiled crawfish, shrimp and new potatoes, salad, T.C.'s special shrimp dip, beer and soft drinks. All you can eat and drink.

Food will be served at 6:30 p.m.

Live band for dancing 8:00 to Midnight.

Door prizes for the ladies.

Tickets are \$5 per couple, and will be available at the following locations:

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Deadline for ticket purchase is April 19th. Out-of-town members who wish to order tickets should send their payment with their request to the Society P.O. Box by April 14th. Please, only one request per member.

NOTICE: You must have a pre-paid ticket to attend, there will be no tickets sold at the door.

This event is being sponsored by:
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The crawfish and shrimp will be prepared by T.C. Rader, personnel of Southern Mud Logging and Dresser Atlas. Any other volunteers will be welcome.

*The Spring Fling is only for MGS members and their spouses or dates. No other guests.

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Papers are solicited for a technical program organized around the theme "Energy, Economics, Exploration - in Transition." The program will include research symposia, technical sessions and poster sessions selected to illustrate the special situations and problems, future trends and goals, and ongoing flow of information generated during this critical phase of our history.

Recent substantial adjustments in the world energy picture emphasize that we have entered a time of marked transition. Rapid changes are expected in supply, demand, pricing, alternate sources, new technology, manpower, resource availability and political conditions during the next decade. We urge you to reflect on these changes as they may impact upon your particular speciality, and to prepare a technical presentation considering the effects these conditions may stimulate during the coming decade.

For further information and copies of the 1984 A.A.P.G. Abstract Form, contact:

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Properly completed abstract forms, including those for poster sessions and invited papers, must be received by the convention program chairman no later than Thursday, November 1, 1983.

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October 31-November 3, 1983
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Indianapolis, Indiana
Abstracts must arrive by
June 3, 1983

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| NORTH-CENTRAL SECTION April 28-29, 1983 Wisconsin Center Madison, Wisconsin <i>Abstracts must arrive by</i> <i>December 7, 1982</i> | CORDILLERAN & ROCKY MOUNTAIN SECTIONS- Combined 1983 Meeting May 2-4, 1983 Salt Palace Salt Lake City, Utah <i>Abstracts must arrive by</i> <i>November 29, 1982</i> |
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| 1985 October 14-17 | BOSTON, MASS. | Hynes Auditorium |
| 1986 November 10-13 | SAN ANTONIO, TEXAS | Convention Center |
| 1987 October 26-29 | PHOENIX, ARIZONA | Convention Center |
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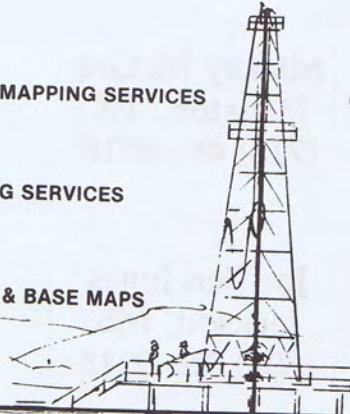
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MISSISSIPPI GEOLOGICAL SOCIETY

Volume XXX

No. 9

May 1983



1982-1983

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Treasurer-Richard Ingram-Independent
Past President-Stephen Oivanki-Consultant

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Cover: Reverse fault in the Selma Chalk near Livingston, Sumter County Alabama.
Photo: Robert Schneeflock

PRESIDENT'S PAGE

The spring barbecue slated for Tuesday, May 24 is the last meeting for the 1982-83 year of the Mississippi Geological Society. Candidates for 1983-84 society officers, listed in this bulletin, will be elected at that meeting and the winners announced in the final bulletin in June. This year's First Vice-President and President-elect, Charles Williams, will be President in 1983-84. Please be prepared to vote for new officers when you enter the barbecue on May 24.

The AAPG members of the MGS recently elected James K. Smith as delegate and Douglas Dehm as alternate to the AAPG House of Delegates to serve terms from July 1, 1983 to June 30, 1986. They join our existing delegates who are C. K. Ferns, Jr. and G. W. Kinsley.

The spring barbecue will be handled by T. C. Rader and his volunteer helpers as usual. I urge you to offer your services to help with the cooking and clean up operations that must be done to make this meeting the success that we all enjoy.

Buddy Twiner
President

MGS SPRING BARBECUE & ELECTION

Tuesday, May 24, 1983
Fowler Lodge

The annual MGS spring barbecue will be held on Tuesday, May 24, 1983 at Fowler Lodge on the reservoir. The doors will open at 4:30 p.m. for fluid 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.

Society members will be admitted free while non-members will be charged \$10.00 at the door.

Please phone your reservations to T. C. Rader (969-3286) by noon Monday, May 23. T. C. could also use some volunteer help in both pre-barbecue preparation and post-festivities clean-up so don't hesitate to offer your services if so inclined.

The election of MGS officers for 1983-84 will also be held at the barbecue. A slate of candidates with a brief biography of each is presented in this issue as is an absentee ballot for those members unable to attend. Please mail your absentee ballots to arrive by election day to:

Frank Johnson
MGS
P. O. Box 442
Jackson, MS 39205

ABSENTEE BALLOT
Mississippi Geological Society
Election of Officers 1983-1984

For 1st Vice President

___ C. KIPP FERNS ___ ED LUPER

For 2nd Vice President

___ RICHARD INGRAM ___ RON TISDALE

For Secretary

___ MIKE FRAZIER ___ DORA DEVERY

For Treasurer

___ JOE McDUFF ___ STEVE WALKINSHAW

Signature: _____

Please mark envelope "BALLOT" on the outside and mail to arrive by election day, May 24, 1983. Mail to:

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

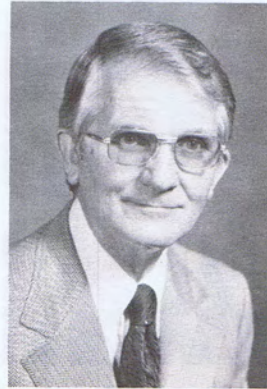
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1983-1984

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Richard B. Ingram
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Ron Tisdale
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CANDIDATES FOR OFFICE

1983-1984

SECRETARY



Dora M. Devery
Placid Oil Company



Michael Frazier
Grace Petroleum Corp.

TREASURER



Joe McDuff
*Transcontinental
Oil Corporation.*



Steve Walkinshaw
Hughes & Hughes

C. Kipp Ferns
(1st Vice President)

Academic Training:

University of Missouri at Rolla, B.S. Petroleum Geology

Experience:

1953-1980 Cities Services Company
1980 to present ANR Production Company

Professional Affiliations:

AAPG
Mississippi Geological Society

Professional Activities:

AAPG-Delegate (1982-1984)
MGS-Red Book Committee/Chairman
MGS-1981 Photo Directory/Co-Chairman
MGS-Second Vice President (1982-1983)

Edwin E. Luper
(1st Vice President)

Academic Training:

1948 Louisiana State University, B.S.

Experience:

1948-1949 Kerr-McGee
1949-1954 Southern Prod. Co.
1954-1959 Tenneco
1959-1970 Henry N. Toler, Consultant
1970 to present Bureau of Geology

Professional Affiliations:

American Association of Petroleum Geologists
Mississippi Geological Society
Mississippi Academy of Science

Professional Activities:

Bulletin Editor/1974-75 Mississippi Geological Society
Secretary/1976-77 Mississippi Geological Society

Richard B. Ingram

(2nd Vice President)

Academic Training:

1975-Belhaven College, B.S. (Business Administration)
1977-Millsaps College, B.S. (Geology)

Experience:

1974-1975 Tideway Oil Co./Geological Assistant
1976-1977 Tideway Oil Co./Assit. to Exploration Manager
1978-1979 Tideway Oil Co./Operations Geologist
1980 Tideway Oil Co./Consulting Geologist
1981-1982 Clayton W. Williams/Consulting Geologist
1983 to present RBI, Inc.

Professional Affiliations:

Mississippi Geological Society
AAPG

Professional Activities:

MGS-Treasurer (1982)
MGS-Program Chairman (1980 & 1981)
MGS-Red Book Committee (1979)

Ron Tisdale

(2nd 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
1974-1977 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

Dora M. Devery
(Secretary)

Academic Training:

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

Experience:

1979-1981 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)

Michael Frazier
(Secretary)

Academic Training:

1978 University of Florida, M.S. in Geology

Experience:

1978-1981 State of Mississippi
1981 to present Grace Petroleum Corporation

Professional Affiliations:

AAPG

Professional Activities:

1983 GCAGS-Convention Committee

Joe McDuff
(*Treasurer*)

Academic Training:

University of Southwestern Louisiana, B.S. (Geology)

Experience:

1980-1981 Placid Oil Company, MAFLA-Exploration Geologist
1981 to present Transcontinental Oil Corporation,
MAFLA-Exploration Geologist

Professional Affiliations:

Mississippi Geological Society
AAPG

Professional Activities:

1983 GCAGS/Papers Committee

Steve Walkinshaw
(*Treasurer*)

Academic Training:

1981 Millsaps College, B.S. (Honors)

Experience:

1980-1981 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)

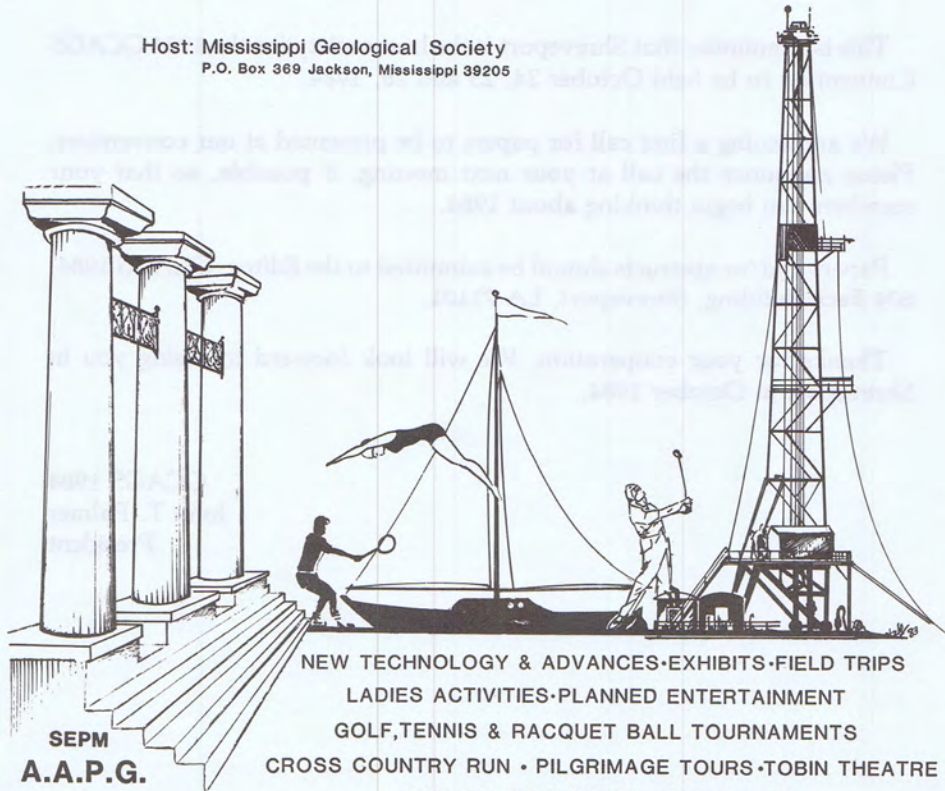
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Call for Papers

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, double-spaced 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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