

BULLETIN



HOUSTON GEOLOGICAL SOCIETY

Houston, Texas

Volume 11, No. 5
January, 1969

HOUSTON GEOLOGICAL SOCIETY

1968-1969

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| Field Trip | <i>W. A. Ailee</i> | CA 1-2657 |

Special Committees

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| Advisor to Museum of Natural Science | <i>Edd R. Turner, Jr.</i> | CA 8-9361 |
| Special Publications for Geology of Deltas | <i>Martha Shirley Broussard</i> | JA 8-4141 |
| AAPG Continuing Education Co-ordinator | <i>DeWitt C. Van Siclen</i> | 748-6600 |

REPRESENTATIVES

| | | |
|---|---------------------------|-----------|
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| Alternate | <i>Kenneth R. Johnson</i> | CA 7-7792 |
| A.A.P.G. Group Insurance | <i>John Bremsteller</i> | PR 4-3188 |
| General Chairman of 1971 A.A.P.G. Convention | <i>Edd R. Turner, Jr.</i> | CA 8-9361 |



THE BULLETIN OF THE HOUSTON GEOLOGICAL SOCIETY
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THIS MONTH

| | |
|---------------------------|---------|
| Meeting Notice | Page 2 |
| President's Page | Page 3 |
| HGS Charter Flight | Page 4 |
| News of Members .. | Page 5 |
| Committee Reports | Page 7 |
| Geo Science Notes | Page 10 |
| Items of Interest | Page 21 |
| On The Distaff Side | Page 23 |

Editor McInnis S. Newby — CA 4-5251

Associate Editors

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|-------------------------|---|-----------|
| In Memoriam | Edward G. Lipp | CA 2-6285 |
| News of Societies | McInnis S. Newby, North Central Oil Corporation | CA 4-5251 |
| Geo Science Notes | Wolter Sodlick, Dept. of Geology University of Houston | 748-6600 |
| Distaff Side | Mrs. Marion (Dorothy) Roberts | 622-7357 |

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MEETING NOTICE

There will be three meetings in January involving the Houston Geological Society.

The first is our regular January meeting which will be held at the Houston Club on Monday evening, January 13th. Mr. Gene Van Dyke will speak on the topic, "Current Activity and Geology of North Slope, Alaska."

DATE: Monday, January 13, 1969
 PLACE: 10th Floor, Houston Club Building
 TIME: 5:00 - 6:00 P.M. Cocktails
 6:00 - 7:00 P.M. Dinner
 COST: Dinner \$4.10, Drinks \$1.00 each.
 PROGRAM: Current Activity and Geology of North Slope, Alaska.

Two days later a joint meeting of the Houston Geological and Houston Geophysical Societies will be held at noon, January 15, 1969 at the Rice Hotel, where Dr. Charles C. Bates, Science Advisor to the Coast Guard and former Scientific and Technical Director of the Naval Oceanographic Office will speak on "The American Arctic -- 1968." This talk will emphasize the geography and transportation problems to be faced in development and exploitation of the Prudhoe Oil discovery.

DATE: Wednesday, January 15, 1969
 PLACE: Rice Hotel
 TIME: 12:00 NOON
 COST: Lunch - \$3.00
 PROGRAM: The American Arctic -- 1968

The final meeting of the month on Wednesday, January 22, 1969 at noon, will be an illustrated talk by Dr. Robert F. Dill, an A.A.P.G. distinguished lecturer. Dr. Dill will speak about his submarine explorations on the Continental Shelves and Slopes. These color movies are some of the most spectacular underwater films ever made. This talk was given last year at a night meeting. It was so well received by the few who attended, that it is here re-scheduled for noon so that a larger percentage of the membership might have the opportunity to see it. This meeting will be at a new place -- CONTINENTAL HOUSTON MOTOR HOTEL.

DATE: Wednesday, January 22, 1969
 PLACE: Terrace Room, 2ns Floor, Continental Houston Motor Hotel - 101 Main Street
 TIME: 11:45 A.M. to 1:00 P.M.
 COST: Lunch \$3.00
 PROGRAM: Exploration of Continental Shelves and Slopes.

To reach the Continental Houston Motor Hotel at 101 Main Street, take the Shoppers Special to stop directly in front of the door or drive down Main street to the hotel where parking is available.

THE PRESIDENT'S CORNER

Preceding the most recent meeting of the H. G. S. Executive Committee, there was an unofficial discussion between several of the members present concerning the request of the Dept. of Interior for geological and geophysical basic and interpretative information from the files of companies operating in the U. S. government controlled "off shore" areas.

Not all present were familiar with the problem and the information discussed proved to be very interesting. This was no different than any discussion involving geologists. There were parties taking opposite views and each was sure his view was the correct one. Each had very logical reasoning behind his stand. Each used past performance of the Dept. of Interior to arrive at the reason for this recent request and to predict the outcome.

No! I am not taking a stand either way. I do not feel that I have sufficient facts to give a "qualified" answer, based on facts and not on prejudice, I am convinced that the H. G. S. does have within its membership geologists "well qualified" to speak out on the subject.

My real concern is an article appearing in one of the local newspapers. This article quoted from a resolution passed by the 4100 member "American Association of Petroleum Landmen." This resolution condemned the Dept. of Interior for their request for privileged and confidential "Geological and Geophysical Information."

Once again I believe it the responsibility of "qualified geologists" to take definite stands on issues involving problems directly related to geology. The very description of the information under discussion makes it of utmost concern to the geologist. Who is in a better position to pass judgment upon this request of the Dept. of Interior? Why should geologists personally, as a member of an organization, or head of an organization leave it to some one else to "echo" their views. I haven't seen a single article relating to this request that has even quoted a geologist. Once again we geologists that search for petroleum have forfeited our responsibilities and let some one else speak out!

Pride in the Profession is a must. We can pat ourselves on the back for all we contribute to the growth of the country, but who outside of the geologists know of our contributions? Who works hard to find the reserves? Modesty is a fine trait, however when the obvious opportunity presents itself for the public to hear from a geologist they hear from a Landman's Organization. We might outnumber them four to one, however the "Landmen" have taken a stand.

Geologists are long overdue in making themselves heard to the public. It is time that we "Bell our own Cats."

-- Jim Lewis

HGS CHARTER FLIGHT

Do not forget the meeting at the Geo Club
Wednesday, January 15th at 5:30 P.M.
Everyone interested is invited. Representatives of the Airline and Travel Bureau will be present to answer questions.

Reservation Card Information:

With the large increase in membership in the Houston Geological Society, undoubtedly there are some members who are unaware of the fact that the Society must notify the Houston Club as to the exact number expected to be in attendance at each dinner meeting, and must pay for each dinner, whether eaten or not.

Last month at the joint meeting of the Houston Geological Society and Geophysical Society of Houston, 300 attendance cards were mailed in (of the cards mailed in, seven were duplicates). There were 243 members of the HGS and GSH in attendance. This means that the Houston Geological Society has to pay for 57 uneaten dinners at \$4.79 each, including tax and gratuity totaling \$273.03. The society is already subsidizing each dinner to the tune of \$0.69, since the member only pays \$4.10. Thus the evening cost the Houston Geological Society an out of pocket expense of $463 \times \$0.69 + \273.03 or a total of \$596.50.

For obvious reasons it is impossible and impractical to contact the "no shows" and remind them of their delinquency in not cancelling their appearance. If you cannot attend, a last minute telephone call to Cardinal Printing and Letter Service, telephone 223-9309 will be sufficient.

I hope that as members of the Houston Geological Society, we are mature enough to remember our obligations.

-- Fred M. Schall, Jr.

Elmer Musselman has been named Houston Editor of Transactions for the G. C. A. G. S. His mailing address is:

Mr. Elmer T. Musselman
Shell Oil Company
Fannin Bank Building
Houston, Texas 77025

John Riley is back at work at Kerr-McGee after a serious auto wreck in early December.

Ed Keefner has left Kilroy Company of Texas and is officing with Jim Hayes at 1310 Main Building; Phone 227-1659.

Stanley Hardison, director of mineral resources for Monsanto Co., died November 27, 1968, in Guatemala.

The Editor of the Houston area for the Stratigraphic Case Histories, Joint A. A. P. G. Volume is Stew Chuber. His mailing address is:

Mr. Stew Chuber
Butes Oil & Gas
Southwest Tower
Houston, Texas 77002

Thomas M. Burke, formerly with Mecom for 17½ years, has joined Imperial-American Management Company as Manager of Geological Department. Imperial-American's Headquarters have been moved from Denver to Houston where their address is 777 Main Building; phone number 222-1451.

E. D. "Doug" Haymond has joined Imperial-American as a geologist. Doug formerly was with Southern Minerals.

James G. Joyce has joined Edman R. Zink and George His in forming Zink, His and Joyce, Petroleum Geologists, San Antonio, Texas. He will be Houston resident partner, responsible for the firms consulting and exploration activities in the Upper Gulf Coast. He recently resigned from the staff of the vice-president-exploration, Standard Oil Co. of California after 20 years with the company.

A graduate of the University of Texas, Joyce has been exploration District Geologist in both the San Antonio and Houston offices of Standard Oil Co. of Texas. He is a former president of the South Texas Geological Society and is a member of the American Association of Petroleum Geologists and the Houston Geological Society. He will office in the Oil & Gas Building, Houston.

Mr. Kenneth L. Smith, Vice President of Exploration and Production for Crown Central Petroleum Corporation, announced that Mr. Owen L.

Rausin, Senior Landman for Crown, has been promoted to Chief Landman and Office Manager for the Exploration and Production Division located at 1010 Bank of the Southwest Building, Houston, Texas.

Mr. Rausin has been associated with Crown Central in various capacities for 15 years. In his new position, Mr. Rausin will be in charge of all administrative and land matters for Exploration and Production.

Mr. Smith also announced that Crown is enlarging its Land Department by employing Mr. William E. McAndrews, Jr. as Senior Landman. Mr. McAndrews will be located in Crown's Houston Office and will be responsible for land matters in both Louisiana and Texas. Previously, Mr. McAndrews was employed in the Land Department of Alcoa for 15 years. He is a graduate of the University of Houston and the University of Houston Law School.

Mr. David A. Hatcher has been promoted to the position of Division Geologist, Gulf Coast Division in Houston, Texas. Mr. Hatcher, formerly Senior Geologist, will supervise geological studies in Signal's expanding exploration program throughout the offshore areas of the Gulf of Mexico and its bordering states.

Robert W. Richter, formerly Special Projects Geologist with Texaco, Inc., Houston, has joined Texas Pacific Oil Company in Dallas, Texas as Administrative Assistant to the Manager of The Geological and Geophysical Departments.

THE SOCIETY WELCOMES THE FOLLOWING NEW MEMBERS

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| Kenneth Ablewhite | Texaco, Inc. |
| Jerry Don Bigelow | Skelly Oil Company |
| D. B. Clutterbuck | Shell Oil Company |
| Dan E. Duggan | Humble Oil & Refining Company |
| David M. Eggleston | Petroleum Information Corp. |
| W. R. Feather | Humble Oil & Refining Company |
| Eugene W. Frowe | Mandrel Industries, Inc. |
| Henry J. Gardner | Shell Oil Company |
| Henry A. Hill | Continental Oil Company |
| Harold James Keeler | Raytheon Corporation |
| Gordon Renick Marsh | Humble Oil & Refining Company |
| Robert G. McKinney | Gulf Oil Corporation |
| Richard R. McLeod | Gulf Oil Corporation |
| Joseph F. Moss | David C. Bintliff Interests Oil & Gas Division |
| Elmer T. Musselman | Shell Oil Company |
| John P. Ossenfort, III | Humble Oil & Refining Company |
| Guy R. Pierce | Consultant |
| John S. Reeder | Humble Oil & Refining Company |
| Homer G. Robason | Humble Oil & Refining Company |
| Houston Leals Slate | Humble Oil & Refining Company |
| Milton A. Surlis | United Gas Pipe Line Company |
| Fredric R. Van DeGraaff | Texaco, Inc. |
| Higbee G. Williams | Shell Development Company |

COMMITTEE REPORTS

G.C.A.G.S. Executive Committee Report

The annual meeting of the executive committee of the GCAGS was held in the Heidelberg Hotel at Jackson, Mississippi on October 25, 1968.

Lincoln Warren, the general Chairman of the convention reported that as of the morning of October 25 registration for the convention had reached 946 plus 220 ladies. In the golf tournament, 100 golfers competed and at the convention dance the attendance was 477. A total of 33 technical papers were presented at the meeting. The tentative budget for the convention was \$30,000 and it appeared that the convention would about break even.

The treasurer, Edward Minihan, reported that convention expenses to date had been \$16,083. He reported a present bank balance of \$26,358 and he estimated that approximately \$32,000 would be transferred to the GCAGS treasury after settling all the accounts of the convention.

Barkley Souders then presented his report of the Publication Sales Committee.

The report of the Special Projects Committee followed. It was recommended by the committee that the project to catalogue graduate theses pertaining to gulf coast geology be deferred. Jules Braunstein, chairman of the Gulf Coast Bibliography Committee, then reported on the progress of that committee's work. There are about 10,000 items to be included in the bibliography of which 7,000 are already on tape. The remaining items should be on tape by the end of this year. Shirley Broussard of HGS will assist in editing some of the items for inclusion in the gulf coast bibliography. The committee has received low bids for publishing the bibliography as follows:

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|---|-------------|
| 3,000 copies (2 volumes, 6" by 9" in size, 500 pages ea.) | \$8,927.00 |
| 3,000 copies (2 volumes, 6" by 9" in size, 750 pages ea.) | \$12,955.00 |

The committee estimates that one volume of 750 pages will probably cover all of the items to be included, and that the cost of 3,000 such volumes would run about \$9,000. Considerable discussion followed as to whether 3,000 or 5,000 copies of the bibliography should be printed. The executive committee finally requested the Special Projects Committee to give further study to the number of volumes required, and granted the committee the funds necessary to publish the bibliography.

Mr. Harold Hickey, chairman of the Tectonic Map Committee next reported on his committee's project. He displayed a composite map showing the work done on the project by the various member societies. A few societies have not completed their part of the project and there was a reluctance on the part of some members of the committee, namely South Texas, Lafayette, Mississippi and Houston, for contours to be displayed on the tectonic map, but Hickey and others on the committee would not

recommend publishing the map unless it were contoured. The committee secured a cost estimate for publishing the tectonic map in colors of \$7500 for 1500 copies. Hickey concluded his report by urging each local society to furnish and submit its part of the tectonic map project, with contours, by December 1, 1968 in order to make it possible to publish the map early next year.

Mr. David Martineau, a member of GCAGS from Corpus Christi, next presented a proposal to the executive committee in regard to sponsorship by GCAGS of an International Travel Service vacation tour to Hawaii in 1969. This proposal had been sent earlier by letter to the presidents of the various member societies of GCAGS. President Marvin Horton stated that in his opinion sponsorship of a vacation tour by GCAGS was outside the scope of the constitution and the by-laws of the organization and further feared that such action might jeopardize the tax-free status of GCAGS. I pointed out that HGS had already made arrangements to charter a flight direct from Houston to Europe for the use of its members who wish to attend the joint meeting of AAPG and British Institute of Petroleum in Brighton, England next summer. After considerable discussion, the executive committee decided against any participation by GCAGS in the proposed vacation trip to Hawaii.

The following officers of GCAGS were then elected by acclamation for the 1968-69 year:

President - Robert Vernon, Tallahassee, Florida
Vice President - Henry Tyler, Shreveport, Louisiana
Secretary - William Yon, Tallahassee, Florida
Treasurer - Bud Hendry, Tallahassee, Florida

Next year's GCAGS meeting will be held in Miami Beach, Florida, and the 1970 meeting is scheduled to be held in Shreveport, Louisiana. The Executive Committee then approved a motion to hold the 1971 meeting in New Orleans, Louisiana and the 1972 meeting in Corpus Christi, Texas.

Bob Vernon then commented briefly on next year's meeting in Miami Beach. Ample convention facilities will be available in the Deauville Hotel which will be the headquarters. Plenty of rooms will be available in the Deauville and in the nearby Carillion Hotel. Accommodations will be priced reasonably with double rooms available at \$14.00 per day, with modified American plan available at \$4 per day additional per person.

After a vote of thanks was extended to Marvin Horton, the president of GCAGS, and to the other officers and the committee members who made the Jackson convention such a successful event, the meeting was adjourned.

Harold E. Voigt,
GCAGS Representative for HGS

Academic Liasion Committee Report

Society Presents \$250.00 to University of Houston - Earth Sciences Summer Institute

On Wednesday, November 13, 1968, Jim Lewis, President, and Al Raasch, Academic Liasion Committee Chairman, visited the Geology Department of the University of Houston. The purpose of the visit was to present to Dr. Margaret Bishop, Department Chairman, a check for \$250 from the Houston Geological Society for the University's Earth Sciences Summer Institute. This is a program to acquaint science teachers in the Houston area with some of the fundamental principles of geology, which they can, in turn, pass on to their students. This is certainly a worthwhile project and the Society is glad to join others in helping to subsidize this program. Dr. Bishop thanked the Society in behalf of the local teachers who will receive the benefits from the gift.

Placement Committee Report

Job inquiries continue to be brisk though demand is usually for particular geologic experience in short supply. The Placement Committee files contain 66 applicants. Below are listed brief background summaries of several typical applicants.

- Geologist - University of Houston - Major company exploration experience along entire Gulf Coast, Kansas, Colorado, Nebraska, Permian Basin. Additional exploration experience with an independent from the Rocky Mountains to the Gulf Coast.
- Geologist - Harvard and MIT - Mining engineering experience with U. S. Bureau of Mines; exploitation, reserve and unitization geology with independent and with a major oil company primarily in Texas and Louisiana.
- Geologist - University of Houston - Exploitation geology with a major and a drilling company in West Texas and Libya; knowledge of Fortran, geological and geophysical computer techniques. Seeking foreign employment.
- Geologist - University of Oklahoma - Major company regional subsurface experience in Arkoma Basin, Colorado Plateau, Utah, Four Corners, Denver and Williston Basins.

Civil service jobs are available for geologists or engineers in the New York area. Check Placement Committee for details.

-- George Sealy

Geoscience Notes

CURRENT ACTIVITY & GEOLOGY OF North Slope, Alaska

ABSTRACT

The North Slope of Alaska is bounded on the south by the Brooks Range, and to the north by the Arctic Ocean. It is an area 500 miles in an east-west direction, and 150 miles in a north-south direction, containing a total of 57 million acres. Within this area, the Naval Petroleum Reserve No. 4 covers 23,7 million acres, and the Arctic Wildlife Refuge, 9 million acres. Oil exploration activity was commenced by the Government in 1944, and all activity was concluded in 1953. Most of the drilling and exploration activity was restricted to the Naval Petroleum Reserve No. 4. A total of 47 million dollars was spent in oil exploration, including drilling. Thirty-six test wells were drilled, the majority of which were Cretaceous tests, and forty-four core tests were drilled. The fields discovered have reserves totaling approximately 100 million barrels of oil, and one trillion cubic feet of gas.

The first significant discovery was by Atlantic Richfield and Humble at their No. 1 Prudhoe Bay, which produces from the Shublik sand (Triassic age) at 8600 feet, and the Lisburne lime (Mississippian age) at 9500 feet. The No. 1 Sag River confirmation well has been completed seven miles southeast of the discovery. These two wells and the seismic confirm the discovery of a field having reserves of 5 to 10 billion barrels. The East Texas Field has an ultimate recovery of 5 billion barrels, while Canada has an 8 billion barrel reserve. Current studies are now being made for a 1000 mile pipeline south to the Valdez, Alaska area, which is ice free the entire year.

The Prudhoe Bay structure is about 25 miles long, and 10 miles wide. The formations it produces from outcrop in the foothills area on the north flank of the Brooks Range. The producing formations outcrop in a band which parallels the entire Brooks Range, therefore, giving rise to the belief that the productive formations at Prudhoe Bay underlie the entire North Slope. Middle East type structures are abundant on the North Slope, and many other fields the size of Prudhoe Bay should be discovered in the coming years.

PROFESSIONAL DIRECTORY
Space for Professional Cards of Members

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| <p style="text-align: center;">JOSEPH L. ADLER Geologist & Geophysicist Tennessee Building CA 2-7925 Houston, Texas 77002</p> | <p style="text-align: center;">JOHN L. BIBLE BIBLE GEOPHYSICAL CO., INC. Gravity—Magnetic Surveys Interpretations 236 Esperson Bldg. CA 2-6266 Houston, Texas 77002</p> |
| <p style="text-align: center;">R. P. AKKERMAN Geologist EXPLORATION Engineer Review of Subsurface Data 3425 Bradford Place MO 8-4327 Houston, Texas 77025</p> | <p style="text-align: center;">LESLIE BOWLING Oil and Gas Consultant 316 California Bldg. JA 2-0432 New Orleans, Louisiana</p> |
| <p style="text-align: center;">ALLEN & GILKISON Oil and Gas Consultants Harris H. Allen and D. C. Gilkison 963 San Jacinto Bldg. CA 8-9329 Houston, Texas 77002</p> | <p style="text-align: center;">WAYNE F. BOWMAN Independent Geologist 1314 Niels Esperson Bldg. CA 2-0279 Houston, Texas 77002</p> |
| <p style="text-align: center;">JOY J. ANNELER Consulting Geophysicist and Geologist 715 Rusk — Room 200 222-0865 Houston, Texas 77002</p> | <p style="text-align: center;">ORVAL L. BRACE Geologist 2206 South Coast Bldg. CA 8-5404 Houston, Texas 77002</p> |
| <p style="text-align: center;">A. I. BARTOW Geophysical Consultant 2315 Watts Road Phone: MO 8-3306</p> | <p style="text-align: center;">BREWER AND COMPANY Consultants</p> |
| <p style="text-align: center;">BELL AND MURPHY Consulting Geophysicists Houston Dallas CA 7-5716 RI 2-3196</p> | <p style="text-align: center;">EVARD P. ELLISON Geologist 1214 Americana Building CA 5-6285 Houston, Texas 77002</p> |

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| <p style="text-align: center;">FRED L. SMITH, JR. Consulting Geologist Paleontologist 532 Main Bldg. Houston, Texas 77002 HO 8-7300 CA 5-5757</p> | <p style="text-align: center;">HAROLD VANCE Petroleum Investment Counselor Petroleum Evaluation Engineer CApitol 7-3949 1119 Bank of the Southwest Bldg. Houston, Texas 77002</p> |
| <p style="text-align: center;">CARLETON D. SPEED, JR. Geologist – Oil Producer 711 Houston Club Bldg. CA 4-2523 Houston, Texas 77002</p> | <p style="text-align: center;">GENE VAN DYKE Van Dyke Oil Company Southwest Tower CA 8-8174</p> |
| <p style="text-align: center;">H. C. SPOOR, JR. HARRY KILIAN Geologists 2130 Chamber of Commerce Bldg. Houston, Texas 77002 224-0588</p> | <p style="text-align: center;">MERLIN J. VERRET Geologist Route 2, Box 109 Lake Charles, Louisiana Phone: 477-1477-8</p> |
| <p style="text-align: center;">D. C. STALLWORTH, INC. Engineering and Geological Drafting Surveying and Mapping Planimetering and Acreage Calculations 1210 Bank of the Southwest Bldg. Houston, Texas 77002 CA 3-7343</p> | <p style="text-align: center;">LAWRENCE J. VITTRUP Petroleum Geologist Representing Goodale, Bertman & Co., Inc. 1925 Bank of the Southwest Bldg. CA 3-1191 Houston, Texas</p> |
| <p style="text-align: center;">CRAMON STANTON Geologist 2229 Chamber of Commerce Bldg. Houston, Texas 77002 CA 4-2759</p> | <p style="text-align: center;">J. C. WALTER, JR. Geologist and Petroleum Engineer 3055 Humble Bldg. CA 7-1246 Houston, Texas 77002 Home Phone: HO 5-9773</p> |

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| <p>JAMES A. WHEELER Geologist C.P.G. No. 109 926 Americana Bldg. CA 3-1618 Houston, Texas 77002</p> | <p>WOODHAM CONSULTING CO. Geological-Geophysical Consultants Bill Woodham - H. R. Warren 1200 C & I Building CA 7-4138</p> |
| <p>JAMES M. WILSON Geophysical Consultant 246 Main Bldg. CA 5-2145</p> | <p>ROLLA T. WADE Petroleum Engineer & Consulting Geologist 5202 Woodway Houston, Texas 77027 NA 2-8895</p> |
| <p>JOSEPH N. GRAGNON Consulting Geophysicist 438 Wycliffe Houston, Texas 77024 HO 8-4795</p> | <p>SAM E. DUNNAM OIL & GAS CONSULTANT representing THE THORNWELL CORPORATION Exploration-Development-Acquisition Texas-Louisiana-Mississippi 2006 Bank of the Southwest Building Houston, Texas 77002 - 225-0593</p> |
| <p>NEIL E. HANSON Oil & Gas Exploration Americana Building 811 Dallas Avenue Houston, Texas 77002</p> | |

DATE BOOK

- January 13, 1969 - Regular Monthly Meeting, Houston Club - 5:00 P. M.
 (See Article-Page 2)
- January 15, 1969 - Joint meeting - HGS-GSH, Rice Hotel - 12:00 Noon.
 (See Article - Page 2)
- January 15, 1969 - HGS Charter Flight Meeting - Geo Club - 5:30 P. M.
 (See Article - Page 4)
- January 22, 1969 - Special luncheon meeting - Continental Motor Hotel.
 (See Article - Page 2)
- February 6 & 7, 1969 - Southwest Section of AAPG - 11th Annual Meeting.
- S. E. P. M. 43rd Annual Meeting - Dallas, Texas - April 13, 14, 15, & 16,
 A. A. P. G. 1969 (See Article - Page 20).

ABSTRACT

"THE AMERICAN ARCTIC -- 1968"

"Today's talk is an illustrated journey in a Coast Guard aircraft across the American Arctic during September 1968 from Greenland to Alaska, including a visit to the now famed Prudhoe oil strike site. This journey was part of the overall study being made by the U. S. Department of Transportation and its daughter agency, the U. S. Coast Guard, of both Alaskan and Polar transportation requirements. At the present time, the Department of Transportation is particularly active in exploring means of establishing a complementing transportation system for Arctic Alaska through both public and private investment. Some of the possibilities for so doing will be touched upon."

RESEARCH GRANTS AVAILABLE FROM GEOLOGICAL SOCIETY

The Geological Society of America will continue its annual research awards program in 1969, to qualifying geologists and non-members who meet the requirements. Application forms and detailed requirements will be sent, upon request, by the Executive Secretary, Geological Society of America, Inc., P. O. Box 1719, Boulder, Colorado, 80302.

The grants are intended as aid to research projects, not sustenance of the entire cost. Applications by graduate students who will use the grants in support of research on Doctoral projects will be considered. Only the Geological Society of America and Sigma Xi significantly support field research of doctoral candidates who have selected independent problems, rather than satellite problems, under established researchers whose larger grants can support doctoral candidates as assistants. Research projects at the Master's level are not eligible.

\$44,000 was awarded by the Geological Society of America for grants in 1968. These went to 50 graduate students and to nine people working on post-doctoral degree projects. The median amount granted was \$750. The highest grant was \$1200, but there is no pre-determined maximum amount.

February 15 is the latest date applications will be accepted. Letters of support from two sponsors are required for Ph.D. candidates, and **THESE TWO LETTERS MUST ACCOMPANY APPLICATIONS.**

The Committee on Research Grants will meet immediately after the deadline of 15 February to evaluate applications and to award grants. Applicants for grants will be informed promptly of the committee's actions by the Executive Secretary of the Geological Society.

PLEASE POST ON YOUR BULLETIN BOARD.

1971 National Convention - Houston

Dr. Howard R. Gould, Technical Program Coordinator for the 1971 Convention, announces the following appointments to his program committee.

Technical Program Chairman: Dr. John M. Parker
Kirby Royalties, Inc.

Technical Program Editor: Mrs. Martha Lou Broussard
Rice University

Slide Editor: Dr. Alan Lohse
University of Houston

Other appointments announced recently by SEPM for the 1971 Convention are:

Convention Vice Chairman, SEPM: Dr. Edward McFarlan, Jr.
Esso Production Research

Technical Program Chairman, SEPM: Dr. James L. Wilson
Rice University

At a recent luncheon meeting in Houston, twenty-six committee chairmen, including representatives of the Houston Geological Auxilliary, listened to a talk given by Mr. Elmer Ellsworth, AAPG Convention Manager, on preparation and conducting a large convention. Some of the various committee chairmen are already assembling members for their committees. If you are interested in helping you may contact any chairman or the General Chairman, Edd R. Turner, Jr., Getty Oil Company.

From Headquarters - Tulsa

A decade-long study by members of the American Association of Petroleum Geologists has resulted in an authoritative book on subsurface waste disposal possibilities in five major structural basins in the United States.

Eighteen geologists worked on the project, requested in 1958 by the Atomic Energy Commission. The book, published by AAPG Headquarters Box 979, Tulsa, Oklahoma, is titled, "Subsurface Disposal in Geologic Basins -- A Study of the Reservoir Strata."

The AEC asked for the study because it wanted to know if there were geologic basins in which safe underground disposal of radioactive waste might be considered.

John E. Galley, a geological consultant of Kerrville, Tex., edited the book. Nine detailed papers on the subject are included in the book.

Dr. Frank B. Conselman, Abilene, Texas, President of AAPG, said that the book demonstrates an awareness of social responsibility on the part of the members of the Association, and indicates the extent to which petroleum geologists have broadened their field of practice. "As a matter of fact," Dr. Conselman said, "the study itself demonstrates the constant need for geologists to be called on for studies of the sort which require reference to the subsurface for information bearing on public safety and the national economy."

Those who worked on the various papers did so without compensation. They were, Galley wrote, "...in effect, consultants to an agency of the American people, serving without pay because they believed that the objectives were worthy."

Galley also noted that although the study was undertaken specifically to study potential for disposing of radioactive waste, the book emphasizes disposal of industrial wastes in general because "The techniques proposed for disposal of radioactive waste are generally applicable to many other industrial wastes."

The book includes a general discussion of the problem of deep well injection of wastes, a study of the importance of locating nuclear fuel reprocessing plants near deep formations suitable for subsurface disposal, a discussion of the fluid mechanics of deep disposal wells, and papers on the detailed subsurface geology and waste disposal prospects in the New York portion of the Appalachian Basin, a syncline in Pennsylvania, the Michigan Basin, Salina Basin of Kansas, Denver Basin of Colorado, and the San Juan Basin of New Mexico and Colorado.

Authors of the papers are: Thomas P. McMann of Shell Canadian Exploration Co., Houston; the late Norman C. Privrasky, formerly a geologist for Tidewater Oil Co.; Frederick L. Stead, a Magnolia, Ark., consultant; James E. Wilson of Consolidated Gas Supply Corp., Clarksburg, W. Va.; John E. Hardaway of Isotopes, a Teledyne company, Westwood, N. J.; Louis I. Griggs, Jr., of the University of Michigan, Ann Arbor, Mich.; R. W. Edmund of Augustana College, Rock Island, Ill.; Edwin D. Goebel, the Kansas State Geological Survey, Lawrence, Kan.

George S. Garbarini of Sun Oil Co., Denver; Harry K. Veal of Wolf Exploration Co.; Dallas; James A. Peterson, the University of Montana, Missoula, Mont.; Allan J. Loleit and Richard A. Ullrich, both with El Paso Natural Gas Co. at Farmington, N. M.; Don L. Warner of the Cincinnati Water Research Laboratory of the Federal Water Pollution Control Administration; Wallace de Laguna with the Atomic Energy Commission at Oak Ridge, Tenn.; Charles W. Spencer with Texaco, Inc., at Farmington, N. M.; and A. F. van Everdigen with DeGolyer and MacNaughton, Dallas.

Society of Economic Paleontologist and Mineralogists

Lloyd C. Pray, Professor of Geology at the University of Wisconsin, Madison, has been elected President of the Society of Economic Paleontologists and Mineralogists, an international organization with headquarters in Tulsa, Oklahoma.

Other officers elected are Vice-President Orville L. Bandy, University of Southern California, Los Angeles; Councilor for Paleontology Donald F. Toomey; Pan American Research Laboratory, Tulsa, Oklahoma; Councilor for Mineralogy Robert J. Dunham, Shell Development Company, Houston, Texas; and Editors of the Journal of Paleontology Raymond L. Ethington and Raymond E. Peck, University of Missouri, Columbia. These officers, together with the incumbent Secretary-Treasurer Robert H. Dott, Jr., University of Wisconsin, Madison, Past-President Robert N. Ginsburg of The Johns Hopkins University, Baltimore, Maryland, and Editor of the Journal of Sedimentary Petrology Gerald M. Friedman, Rensselaer Polytechnic Institute, Troy, New York, will comprise the 9-member Council of the nearly 3,000-member Society. They will assume office at the close of the 43rd Annual Meeting which will be held in Dallas, Texas, next April.

H. G. S. EMBLEM

In 1949 the Society adopted the emblem appearing on the cover of your Bulletin as the official emblem of the H. G. S.

This selection was made after numerous contestants had submitted their designs. The emblem selected was submitted by Walter J. Osterhoudt. The description of his design was very prophetic. The full realization of the accuracy of his words is only now being proven. Read the full description of this emblem on page 8 of your directory.

The Executive Committee has authorized the printing of this emblem in "auto sticker" form. Every attempt has been made to display the emblem in an attractive and accurate form.

The emblems are available at Cardinal Printing Co., 234 Esperson Building, either by stopping in or by mail. The price is \$0.50 each plus 10¢ postage and handling on mail orders.

Show your pride in being a geologist and a member of the Houston Geological Society by displaying this emblem.

ITEMS OF INTEREST

The Dept. of Labor has published the 1968-69 edition of the Occupational Outlook Handbook. Included with the Handbook is a section titled "Employment Outlook for Geologists, Geophysicists, Meteorologists, Oceanographers," that may be obtained separately for ten cents. Bulletin 1550-29 is available from the Supt. of Documents, Washington, D. C., 20402.

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A photomap of the southwest covering an area from the Pacific Ocean north of San Diego, California to Abilene, Texas has been prepared by the U. S. Geological Survey. The photomap which includes approximately 27,000 square miles, was compiled from photos taken by Gemini Astronauts. The large area covered by the map, accompanied by excellent photographic resolution, reveals large geologic, topographic, eographic and drainage features not well displayed on conventional photography.

A smaller map of Tucson, Arizona, covering 5,000 square miles, has also been prepared.

The maps are available from the U. S. Geological Survey, Room 1028, General Services Building, Washington, D. C., 20242. Cost of the larger map is \$20. The small map of Tucson, costs \$10.

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A new bathymetric map of the Gulf of Mexico has recently been released by the U. S. Geological Survey. Made up of three sheets, the map gives off-shore depth contoured on 20 meter intervals. The western portion is priced at \$1.50; the eastern portion costs \$1.00. The map is available from the U. S. Geological Survey, Washington, D. C., 20402.

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Election Aftermath

Ten senators who have supported the full 27½% depletion tax allowance for petroleum will be missing when the Senate convenes in January. Of these ten, one was defeated in the Nov. 5 general election, six are retiring, and three were defeated in primary elections earlier in the year. Defeated was A. S. (Mike) Monroney, D - Oklahoma; retiring are Lister Hill, D - Alabama; Carl Hayden, D - Arizona; George A. Smathers, D - Florida; Bourke B. Hickenlooper, R - Iowa; Frank Carlson, R - Kansas; and Thurston B. Morton, R - Kentucky; and victims of primary defeats were Ernest Gruening, D - Alaska; Thomas H. Kuchel, R - California; and Edward V. Long, D - Missouri. Senator Monroney was defeated by Republican Henry Bellmon. Senator-elect to Bellmon is expected to be friendly to the petroleum industry since he has long been associated with it and while governor of Oklahoma, served as Chairman of the 33-state Interstate Oil Compact Commission. The other nine will be succeeded by five

Democrats and four Republicans but the depletion position of only one in this group is known. Senator-elect Barry Goldwater, Republican who will replace Carl Hayden, backed full depletion while in the Senate from 1953 through 1964.

Also missing from the new Senate will be three, and possibly four, senators who have supported proposals to reduce the depletion allowance. These include Joseph S. Clark, D - Pennsylvania; Daniel B. Brewster, D - Maryland; and possibly Wayne Morse, D - Oregon. The other depletion opponent who will be missing is Frank J. Lausche, D - Ohio, who was defeated in the primary. Each of these will be succeeded by a Republican.

Eleven senators who have supported depletion were re-elected as well as eight senators who have opposed depletion.

President-elect Richard M. Nixon campaigned in behalf of full depletion in 1960 and while the controversy did not figure prominently in the 1968 campaign, Mr. Nixon did, while campaigning in Texas, reaffirm his 1960 position.

-- BULLETIN - South Texas Geological Society

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Ahmad C. Sarakbi, International Vice-President of Bosco Middle East Oil Corporation announces from Bosco's Tripoli office the appointment of Howard A. Kepple as Vice-President in charge of Libyan Exploration.

Mr. Sarakbi stated that because of the expanding operations of Bosco and the exploring of Concessions 134 and 135, it was advantageous to move the exploration offices from Rome to Tripoli. Consultants will still be retained in Rome for other activities of the Corporation.

The increased activities of Bosco, in addition to their current drilling program, include the use of the latest seismic vibroseis equipment operated by Seismograph Service Corporation of Libya, a division of Rathcon Corporation. The exploration program also includes two crews from Geophysical Services International, a division of Texas Instrument Corporation.

Ahmad Sarakbi and the Chairman of the Corporation, Clarence M. Holden are on a tour of the Middle East and Europe developing the organization to accommodate the expanded operation.

Howard A. Kepple, an American by birth, lives with his wife and five children in Tripoli. He received his degree from Florida State University and is a member of the American Association of Petroleum Geologists, and has considerable experience in Africa in oil exploration. He has worked with Scebelle Oil Company, British American and Pan American Petroleum.

ON THE DISTAFF SIDE

On January 15 the Geo-Wives-New-Comers Club has scheduled a bridge luncheon at Tokyo Gardens on Westheimer. Fashions from The Stage, a boutique in Town and Country, will be modeled by members. They had an elaborate Christmas buffet held at the home of Mr. & Mrs. R. J. H. Smith.

Since Ed Smith, Jr's. retirement from Standard Oil of Texas, he and Edna Pearl are making their home in Bryan, Texas.

Recent guests in Houston were Hillard and Elma Carey of Marble Falls, Texas.

Carl and Florence Benz participated in the sailboat race "Revognah" (hangover spelled backwards) on New Year's Day. Last summer they sailed 700 miles in the Vera Cruz race and enjoyed every moment.

Virginia Brewer was the guest of her daughter in Dallas for the Southern Methodist University home coming.

Tom and Virginia Barber are the proud grandparents of a daughter, born to their son, David, and his wife, Sharron. Their daughter, Ann, who lives in Los Angeles was their guest for Thanksgiving, having come especially to greet her niece.

Owen and Marion Wood entertained at a cocktail party honoring Miss Carol Smith, fiancée of Mr. Philip Allin, Jr. The couple are to be married on January 31, 1969.

We extend "Welcome Home Greetings" to William and Jan Ryman and Bill and Betty Fuge who are back in Houston after too long a stay in New Canaan, Connecticut.

On January 26, the Ladies Auxiliary will entertain their husbands at the Holiday Dinner Theater. The play will be "The Mouse Trap."

Charlene and Robert Richter have added Erin Elizabeth to their family. Born November 11, 1968 at 6 lbs. 12 ozs., Erin and Mother are doing fine. The new arrival came just in time to help the family move to 10424 Mapleridge Drive in Dallas, Texas, where they now reside.

HAPPY NEW YEAR TO ALL!

-- Dorothy Roberts

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