Houston Geological Society

OFFICERS
RALPH E. TAYLOR, PRESIDENT
JACK W. CRAIG, 1ST VICE PRESIDENT
EDD R. TURNER, JR., 2ND VICE PRESIDENT
CURTIS C. FRANKS, SECRETARY
AUSTIN D. BRIXEY, JR., TREASURER
AUBREY H. RABENSBURG, EX-OFFICIO

ADVISORY COMMITTEE

DRVILLE G. LUNDBSTRUM
HENRY S. MCQUEEN

ALBERT M. TOLBERT
JAMES A. WHEELER

SPONSORS
This BULLETIN is made possible by the cooperation of the companies whose names are listed on the following pages.

SUPPORT YOUR SPONSORS
SECOND REGULAR MEETING - OCTOBER 13th

The second regular meeting for the 1958-59 year will be held on Monday evening, October 13th, on the 10th floor of the Houston Club. Social hour will begin at 5:15 p.m., dinner will be at 6:00 p.m.

MR. GERALD H. WESTBY, AAPG distinguished lecturer and president of Seismograph Service Corporation, Tulsa, Oklahoma, will speak on "Geophysics and Stratigraphic Problems." This paper will illustrate graphically how the disappearance of certain reflections has been used successfully to map the edges of stratigraphic traps.

Mr. Westby's paper includes a description of new methods and machines which bring old seismograph records back to life in the search for stratigraphic traps.

KARL F. DALLMUS TO SPEAK AT NOVEMBER MEETING

On Monday, November 10, Mr. Karl F. Dallmus, formerly with Creole Petroleum Corporation in Caracas, Venezuela, will present one of the major papers of this year - "Mechanics of Basin Evolution and Its Relation to the Habitat of Oil in the Basin."

Until his retirement in 1957, Mr. Dallmus was Head of Research and Special Studies Section of Creole. His paper reports on exhaustive and detailed studies made during this period. Mr. Dallmus' tour is sponsored by the AAPG Distinguished Lecture Committee.

Abstract of Gordon Atwater's lecture at last meeting will be found under Scientific Notes.
Committee Reports

Placement

In spite of some success in placing men, there is an increase in every classification of their listing of applicants, which now stands:

- 8 advanced degree - experienced (1 to 8 years) in geology
- 13 advanced degree - no experience
- 19 Bachelor's degree - experienced (1 to 14 years) in geology
- 59 Bachelor's degree - no experience
- 16 Bachelor's degree - experienced (1 to 12 years) geophysics
- 8 Bachelor's degree - experienced (1 to 5 years) logging

123 Total registered with Committee

The committee is working now on several probable positions but they feel that the members can give still more vigorous support. Be sure that everyone who is even considering hiring, goes over the list with Glenn Tague of Cities Service, John Clements at General Geophysical, or Mrs. Howe at the HGS office.

Publishing

Carter Robinson reports that Austin Brixey, Jack Craig, Ralph Taylor, Al Tolbert, and Jim Wheeler did yeoman service in completing their lists for soliciting advertising under Clark Edgecomb's direction. Some lists were not finished due to illness and absence from town. If your company's advertisement was not solicited, please contact Clark Edgecomb at WA 8-2511.
Entertainment

HALLOWEEN DANCE

SYLVAN BEACH

ED GERLACH

Friday, October 10th

8 - 12 p.m. Semi-formal

$8.00 per couple; $9.00 after noon on Friday, October 10th

NOTE: Buses will leave Meyerland Parking Lot at 7:00 p.m. . . .

NOT at 7:30 p.m. as shown on the invitation.

Tickets for sale by:

Rick Marchesseau - Union of California - Prudential Building
The Terra Club - Alice Felscher
Sam Udden - Continental Oil Co. - Texas National Bank Building
John High - Gulf Oil Co. - Mellie Esperson Building
Karl Schneidau - Austral Oil Exploration Co. - San Jacinto Bldg.,
John W. Cox - Pan American Petroleum Corp. - Esperson Bldg.
James Critz - Superior Oil Co. - Oil & Gas Building
Horace Steele - Humble Oil Co. - Room 791-D Humble Building
B. F. Winborn - United Core - 3815 Buffalo Speedway
M. Allen Reagan, Jr. - Brazos Oil & Gas - First City Nat'l Bank
Raymond E. Fairchild - Trunkline Gas Co. - Bank of Commerce
Ben E. Gaither - Room 517 - 711 Main Street
Thomas D. Burke - John Mecom - 1100 Houston Club Building
W. A. Poe - Lyons & McCord - 1430 Bank of Southwest Building

Field Trip

E. H. Rainwater reports that plans for a one-day stratigraphic field trip for November are under discussion, as well as a visit to a salt mine for sometime next year.
Study Course

The Study Course Committee wishes to inform the Society of the present plans in regard to the Field Studies. These studies will endeavor to cover as many of the various types of fields (salt domes, fault-line enclosures, stratigraphic traps, etc.) in Railroad Commission District No. 3 as possible.

Each study will consist of approximately a two or three page report, complete with structural map or maps, cross sections, stratigraphic section, etc. It is planned to prepare these studies and publish them in a volume similar to the Bureau of Economic Geology Publication No. 5716 entitled "Occurrence of Oil & Gas in West Texas."

So as to assure uniformity, arrangements have been made for base maps, drafting and a standardized form for the report.

In many instances, all of the necessary data or information is readily available in the files of some company or individual who has done research on a particular field. A field study by a geologist of such a company would be greatly simplified. His task would be a matter of assimilating and compiling material so that it could be properly presented in a paper.

No information will be requested from a company that would be considered confidential or that might be detrimental to that company's leasing or development program. However, information that has been released through the Railroad Commission Hearings, trade journals, periodicals, etc. would be solicited.

The following is a list of fields which has been recommended by the Study Course Committee as being fairly representative:

Aldine, Aldine North, Alvin, Amelia, Anahuac, Bailey's Prairie,
Barb-Mag, Batson, Bay City East, Beaumont West, Bender, Bernard East, Bernard West, Blessing East, Bonney, Caplen, Cedar Point, Cheek North, Chenango, Chesterville, Citrus Grove, Clam Lake, Clay Creek, Clear Lake, Clodine, Clodine North, College Port, Columbus, Damon Mound, Danbury, Durkee, Dyersdale, Elm Bayou, Fairbanks, Faith-Mag, Fig Ridge, Fisher's Reef, Five Corners, Franks, Fulshear, Genoa, Gist, Big Hill, Hamman, Hankamer, Hankamer South, Hardin, High Island, Hitchcock, Huffsmith, Hull, Indian Hills, Jergins, Kuhlman, LaBelle, Lake Creek, League-City Hts., Livingston, Lovells Lake, Manor Lake, Markham, Martha, Merchant, Mercy, Mercy West, Midfields, Moss Hill, New Ulm, Nona Mills, Orange, Orchard (Moore's), Oyster Bayou, Port Neches, Port Neches North, Raccoon Bend, Rankin, Raywood, Red Fish Reef, Rotherwood, Sabine Tram, Saratoga, Satsuma, Schwab (Ace), Seabreeze, Segno, Sheridan, Silsbee, Silsbee West, Sour Lake, Spanish Camp, Spindle Top, Spring, Springer, Stowell, Sugar Valley, Tidehaven, Village Mills, Village Mills East, Webster (Friendswood), Winnie, Withers Magnet.

Anyone interested in making a study of one of the above fields please contact Dick Hohlt, Sam Udden or Jack Craig. Also, if you would like to make a study of a field not shown in the above list please notify one of the above committee members.

New Committee Members

Ballot Counting
(A. G. Gueymard, Chairman)
James H. Berry, Jr.
Pete W. Cawthon, Jr.

Constitution Study
(Ben A. Elmdahl, Chairman)
John L. P. Campbell
Jack Colle
Howard H. Lester
John Nicholson
Quintana Petroleum Corporation
Perforating Guns
Atlas Corporation
Pernie Bailey, Drilling Contractor

Directory
(Jack W. Craig, Chairman)
Reece Berry
Norman Ruback
H. Grady Traylor

Entertainment
(B. F. Winborn, Jr., Chairman)
Karl Schneidau

Field Trip
(E. H. Rainwater, Chairman)
Howard G. Schoenike
Henryk B. Stenzel
Charles W. Stuckey, Jr.
Lawrence J. Vittrup

Program
(Redd Turner, Chairman)
Richard Pete Akkerman
Harry L. Frank
Marion M. Hooks
E. F. Humphries
John J. W. Rogers

---

News of Members

Malcolm E. Bennett is now with the Hurt Oil Co.

John F. Barnes was in St. Luke's Hospital with a heart attack, but is probably convalescing at home now.

B. C. Phillips was transferred to the Phillips office in Bartlesville as Regional Geologist. His place as Division Geologist in Houston was filled by Robert C. Charles from the Midland office.

E. J. Coel is reported in Methodist Hospital for surgery.

---

Edgar Tobin Aerial Surveys
Sinclair Refining Company
Halliburton Oil Well Cementing Company
Dean Hecht is now with Willard Gill Petroleum.

David Von Tress was transferred to the Texas Co. office in Corpus Christi on August 15th and married on August 25th.

W. Bruce Barbour has moved his offices from the Melrose Building to 911 Bank of the Southwest Building.

Hugh G. Walk has been transferred to the Texas Co. New Orleans office.

John C. Worley has been transferred by the Texas Co. from Corpus Christi to Houston and will be on our next list of new members.

Friends are glad to see what the surgeons left of Cliff Bowles barging around so vigorously.

Bill Petersen won second prize in the essay contest on the Port of Houston.

New Members

James W. Dowden            Lion Oil Co.
Fred H. Drews, Jr.          Humble Oil & Refining Co.
Albright E. Ferrell        Fairchild Aerial Surveys, Inc.
William J. Garrison        Humble Oil & Refining Co.
Arch W. Helton             Hunt Oil Co.
Louis D. Hillyer           Shell Oil Co.
J. C. Johnston             Pan American Petroleum Corp.
Louis H. Lukert            The Texas Company
Marion L. McKay, Jr.       Sinclair Oil & Gas Co.
Lipscomb V. Martin         Gulf Oil Corp.
D. D. Moore               Seismic Explorations, Inc.
L. A. Murray, Jr.          Humble Oil & Refining Co.
New Members (cont'd)

John C. O'Leary  Houston Oil Field Material Co., Inc.
Garnet W. Oliver  Standard Oil Co. of Texas
Charles L. Pence  Humble Oil & Refining Co.
William B. Roberts  Pan American Petroleum Corp.
Dwight H. Seely, Sr.  Sohio Petroleum Co.
X. T. Stoddard  Duval Sulphur & Potash
Robert M. Swords  Pan American Petroleum Corp.
James T. Thaemar  Humble Oil & Refining Co.

NOTICE!! NOTICE!! NOTICE!!

DEADLINE FOR DUES

The deadline for payment of 1958-59 dues was October 1st, so if you have not paid your dues, please mail your check in the amount of $4.50, made payable to the Houston Geological Society, to 234 Esperson Building, Houston 2, Texas.

Please enclose the Directory information requested in the first notice. If you have misplaced this sheet, you may have another by calling Mrs. Howe at FAirfax 3-8211.
ANNOUNCEMENTS OF INTEREST

United Fund Drive

The 1959 United Fund Campaign, covering 65 different charitable, health and welfare agencies, takes place October 6-24 for members of the geological profession. Wayne Bowman and Jack Colle, Chairman and Co-chairman of the Petroleum & Geological Section of the Engineers' Unit this year, have developed an excellent organization. Members in private practice can expect a call from their captains.

All of us, it is believed, are aware of the real need in this rapidly expanding area of the services United Fund Agencies provide. All citizens are being urged to give serious consideration to a "fair share" pledge to the United Fund this year. Our members are expected to do their full part.

Oil Progress Week - October 12 - 18

The committee of the Chamber of Commerce for Houston Oil Progress Week has arranged for panel groups of oil men to visit the High Schools of the city during the week. Some of our members will be with these groups.

MEETINGS AND NEWS OF OTHER SOCIETIES

The Gulf Coast Association of Geological Societies

This is the month of the Corpus Christi meeting. The Association and the Gulf Coast Section of the S.E.P.M. are both properly proud of their lists of papers. Check to be sure you have made your reservations.
Geophysical Society of Houston

The annual golf tournament and barbecue was held Friday, Sept. 12, at the Texaco Country Club. Buddy Sellers won the Peanuts Palmer Trophy with a low gross of 80. Bob Martin had low net score.

The next meeting will be a luncheon, Oct. 20, at the Rice Hotel. John Daly will speak on "So Now You Have It On Tape."

The GSH annual cocktail party is set for Dec. 15, hours 7-9, in the Gulf Coast Suite of the Houston Club.

Houston Mineralological & Geochemical Club

On Oct. 14 at 8:00 p.m., in Room 106 of the Geology Building, Rice Institute, Paul Weaver will present "Diagenesis of Underground Waters." The emphasis will be on waters of intermediate composition and their possible use.

The Terra Club

All October afternoons find the Cocktail Hour with sweet songs of Janet Smith with Bill Gannon at the piano. Make reservations for the "Terra Club Special" to any or all of the football games at Rice Stadium, October 4, 11, 18 & 25. Music and cocktails at 5:00, buffet at 6:00, bus leaves at 7:15 (free refreshments both ways). Doorman to take your car. Buffet and bus trip - $4.00 per person.

Houston Engineering & Scientific Society
(formerly Houston Engineers Club)

The Society invites the members of HGS to inspect the expanded facilities at 2615 Fannin Street, and to apply for membership before the initiation fee is raised.
Texas Academy of Science

The annual meeting will be held Dec. 11-13, at Baylor Medical School, in Houston. There will be several sessions on the Earth Sciences. Short papers, no more than 20 minutes for presentation, are welcomed from non-members as well as members of the Academy. Suggested titles should be sent to Horace R. Blank, Dept. of Geol. & Geophys., Texas A&M, College Station, by Oct. 15th (i.e. next week!). Geologists who have intended to join the Academy should take this opportunity to do so.

Conference on Geology of Texas

As part of the 75th Year Celebration of the University, the Department of Geology of the University of Texas invites all geologists to this conference on Friday, Oct. 31st, from 9 to 5, in Batt's Auditorium at the University in Austin.

Society of Exploration Geophysicists

The 28th annual meeting will be held at the Gunter Hotel in San Antonio, October 13-16. The program lists a number of papers that will be of interest to geologists without much geophysical background.

Third Annual Petroleum Conference on Well Logging Interpretations

at Radford Auditorium, McMurray College, Abilene, on Oct. 15-17

The American Society for Metals

A twelve-week lecture series, "Survey of the Metal Sciences," will be given in the Physics Amphitheater of Rice Institute at 8:00 p.m. on Mondays, beginning October 13th.
Many HGS members remember the visit of Alfred Bentz to the Gulf Coast 25 years ago, and his editorship of the valuable reference text: Oil and Tectonics in Northwest Germany, published in 1949. Volume 74 of the Geologische Jahrbuch, recently arrived, is dedicated to Dr. Bentz on his 60th birthday, and contains 37 articles which were published separately in July, 1957. As usual in memorial volumes, most articles are short and the subjects selected from many different provinces. Of those with a German salt dome theme, there are several of particular interest, viz:

A. Equal-time Varves in Zechstein No. 2 Anhydrite, by Gerhard Richter-Bernburg. Two cores, each about 40 inches long, from two wells about 11 miles apart, show more than 600 layers in the anhydrite with as good correlation as has been found in modern tree rings. Remember the laminae in the anhydrite at Orla in the Delaware Basin.

B. Concerning tectonics and stratigraphy of the oilfields on the northwest side of the Gifhorn Trough, by Franz Hecht, Hans-Adolf Hedemann, and Fritz Kabelac, is planned to show that the apparently very random occurrences of oil in stratigraphic traps and around salt domes fall into a pattern which relates them to strand lines of different times within the trough.

C. Tectonics and petroleum geological studies in the Lehrte area, by Franz Bettenstaedt and Curt Dietz, describes the way drilling deeper and farther out from this salt mass has shown not less than 15 discordances in the subsurface.

D. In the Gulf Coast we have seen craters on shallow salt
domes develop in our time at Sour Lake, Blue Ridge, Moore's and Choctaw. The oldest recorded one on a salt dome is the movement at Luneburg, written up in this volume by Josef Niedermayer, under the title: *Introduction to the Geology of Luneburg salt dome, with special notice of the subsidence phenomena*. There is a small hill in this city called the Kalkberg, possibly because at the time it was named there was no mineralogist around to call the rock 'gypsum'. Luneburg was an important trading center, and had a bishopric collecting tithes on salt about a thousand years ago; obviously the church knew the savor of salt before the earth scientist.

As I was preparing these notes from the Jahrbuch, I was reminded how important technical (not college) knowledge is. For further reflections on this importance, see S. A. Wilde: *Scientific Russian: Its Study and Translation*, in American Scientist for September, 1958. As to Russian technical literature, I saw in the new series, Petroleum Geology, No. 2A, the words "supporting wells" used as the English translation for what the Russians mean as "strat tests". Let us hope that more strat tests, for us in this country, do actually support the ideas we had when we located them.

From E. H. Rainwater

Recent Publications of Interest


This bulletin of 112 pages is written by the foremost authority on Mississippi geology, who is also well acquainted with the modern ideas of sedimentation, and thus can correctly interpret the depositional environment of ancient sediments.

Mellen is concerned in this paper only with the Upper Cretaceous
deposits, which crop out or underlie 99 percent of the state, and which have produced more than four-fifths of Mississippi's oil and gas. The paper is further restricted to the northern half of the state, north of the Pickens-Gilbertown fault system, which is interpreted to have been a structural hinge line during the later part of Upper Cretaceous.

No hydrocarbons have yet been produced from the Cretaceous deposits of this "shelf" area, but the author outlines the sedimentation conditions which permitted accumulation of porous shallow marine and strand-line sands, shallow marine marls and chalks, and lagoonal and estuarine clays. He concludes from this interpretation of depositional history, from many known occurrences of solid hydrocarbons in the deposits, and from gas shows in several wells that the porous Upper Cretaceous sands of this area very likely have commercial accumulations of oil and gas. The data and ideas in this report are of great value to geologists and geophysicists who are interested in the Cretaceous of the eastern Gulf Coast.

Forty pages of the Bulletin are devoted to a bibliography of papers concerned mainly with Cretaceous geology of this area.


This is the latest bibliography of North American geology by the U.S. Geol. Survey. Geologists are greatly indebted to the federal Survey for compiling and publishing such material, which makes it possible to learn quickly what geological reports are published on any area or subject in this continent, the West Indies, Hawaii, Guam, and other island possessions. The references are listed first alphabetically by author and then by subject. 511 pages are needed to cover the material published, mostly in 1955.
The following U.S. Geol. Survey bulletins on the bibliography of North American geology cover the period from 1875 to 1950: Nos. 746, 747, 823, 937, and 1049.

From Wilbur C. Holland

Are You Keeping Up With the U.S.G.S. Publications?

The United States Geological Survey publishes monthly a check list of publications and maps issued by the Survey during the preceding month. By getting your name on the mailing list for this free publication you can keep informed as to what bulletins, professional papers, oil and gas investigation maps, topographic maps, etc., were published by the Survey during the past month. Perhaps they have just issued a report on an area in which you are interested. This circular is available on request from the U.S. Government Printing Office, Division of Public Documents, Washington 25, D. C., under the title "New Publications of the Geological Survey."

Writing Geological Reports

Does writing geological reports, letters, and memos give you as much trouble as it does the rest of us? Should you use "crop out" or "outcrop"? Is "pre-Cambrian" or Precambrian" preferred? The U.S. Geological Survey has recently published the fifth edition of their "Suggestions to Authors of the Reports of the United States Geological Survey." Although the book was prepared primarily for geologists submitting papers to the Survey for publication, we could all profit by a careful study of its contents. This 228-page book, bound in hard cover, is available from the Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C., at $1.75 per copy.

Geology of Northern Mexico

The entire September-October 1957 issue of the Boletin de la
Asociacion Mexicana de Geologos Petroleros was devoted to an article on the geology of northern Mexico. This article, "Notas sobre la geologia de Chihuahua" by J. C. Ramirez and F. Acevedo, presents (in Spanish) a detailed account of the structure and stratigraphy of an area just across the river from Texas. The 187-page article is profusely illustrated with 61 figures, 7 correlation tables, 6 stratigraphic columns, and a large-scale geologic map. It is a major contribution to geologic knowledge of a little-known area and should help to tie together some of the knotty problems along the Rio Grande.

---

Abstract

"NATURE OF GROWTH OF LOUISIANA SALT DOMES AND ITS EFFECT ON PETROLEUM ACCUMULATION"

By Gordon Atwater and McLain J. Foreman
(Published by permission of the A.A.P.G.)

Intensive and deep drilling on piercement salt domes of southern Louisiana has yielded a great amount of new information on these features. These data demonstrate that many salt domes exhibit variations in structural configuration which depart considerably from older concepts of salt dome growth and from results of scale model studies. Some of these structural abnormalities have played an important role in the accumulation of petroleum.

Detailed studies indicate that the growth of salt domes in this province has been characterized by intermittent periods of movement. Furthermore, evidence now indicates that, in some cases, upward movement of salt from the deeply-buried salt mass has varied in location as well as in time. In some of these cases, early movements of portions of the parent salt mass formed low-relief structures in
which early oil and gas accumulation took place. More recent growth of the present salt stock, peripherally located to the older structure and intrusion, has formed new traps of higher structural position into which the earlier accumulations of petroleum have migrated. In other cases, more recent growth of the salt stocks has merely truncated the older structures, disturbing them little, if at all. In these cases, the petroleum reserves are still found in the "fossil" structures, which have discordant relationships to the present salt mass.

In addition to the major shifts of loci of salt intrusion, movement of the salt within the present shallow piercement plug has not been uniform throughout the plug. This irregularity of upward flow is demonstrated by the different structural positions of major flank segments, local unconfirmities on restricted flank areas, shallow salt spines and deep-seated shoulders on salt masses.

Shale sheath material, enveloping the salt, is observed, in some cases, to intrude the normal sediments, behaving as does the salt and forming an integral part of the intrusive domal material.

It is important to recognize that the configuration of the present shallow piercement salt stock reflects the combined effects of various localized salt movements. Moreover, the structures created by intrusive salt (and accompanying shale) movements have been intermittently altered by shifts in the locus of movement. Petroleum accumulations in some structures have been transient in nature and the locations of present reserves represent only the result of the most recent adjustments. In other structures, petroleum accumulations represent "fossil" fields which bear little relationship to the present salt stock.

Examples of some of these phenomena associated with salt dome growth are presented by studies of the Cote Blanche Island Dome, the Iowa Dome, the Lake Washington Dome, the Valentine Dome, and the
Weeks Island Dome. Each of these represents an important field and each illustrates the controlling influence that its growth history has had on the accumulation of its petroleum reserves.

Application of concepts herein developed regarding the nature of salt dome growth should be considered in planning exploration programs around the flanks of piercement salt domes, and may lead to reinvestigation of nearby areas previously condemned as occupying off-flank or synclinal positions.

-0-0-0-0-0-

THE BULLETIN

As will have been seen from the Committee notices, there has been a great deal of hard work done, but it is doubtful whether anyone worked harder than the officers and executive committee members who contacted the advertisers that make the Bulletin and Social Hour possible. It is suggested that now, before the Ladies' pages are cut out to take home to the Better Half, the list of sponsors on the top and bottom of the pages be read carefully. Think how much better it would be, when a man says he is with Schlumberger or Lane Wells-Elgen, that instead of saying "Who on earth is that?", you could say, "Oh, yes, I saw the name in the Bulletin."

It is a pleasure to draw attention to the back page where you will notice, in addition to chairmen listed in the previous issue, that James Clark has taken the job of Publicity Manager and James Critz that of Assistant Editor of the Bulletin.
ON THE DISTAFF SIDE

Rhymin' it up, and' sayin' it fine
Is Emma's way of layin' it on the line.
Now Hal took Emma to Holland with him
To vociferize, geologize, an' bug their eyes.
And as a pinch-hitter, I lack her touch,
But here's the news - plain views - and such.

Entertainment

The Auxiliary's first social of the year will be an Irish Coffee at the River Oaks Country Club at 10:30 a.m., Thursday, October 23. Mrs. James L. (Thelma) Ballard is the chairman of the day - and

If you need spirit
Whether mild or bracin',
The coffee will have it,
So won't you please hasten
to R. S. V. P.
JA 8-3558 must know how many there will be.

News of Members

Emma and Hal Fisk attended the Fourth International Congress on Carboniferous Stratigraphy and Geology at Hwerlen, Holland. On September 17, Dr. Fisk gave a paper entitled "Recent Mississippi River Sedimentation and Peat Accumulation." The Fisks toured Ireland, England, France, Belgium, Germany, and Austria. They were a "touch of home" to Elaine Anderson, who is studying art in Vienna.

Evelyn and Joe Shimek visited their son Joe in Germany, where he is stationed with the Army. They are touring Germany, Switzerland, and Belgium.

John and Louise Todd, and daughter Bernie, are in England. Dr. Todd is attending "Urwick, Orr, and Partners Business Management School" in London, while Little Miss Bernie is at St. George's School in Ascott. The Todds visited the Brussels World's Fair, and toured Germany and France, before going to London.

Young Knox Tyson, son of Mr. and Mrs. A. Knox Tyson, recently
returned from two months in Europe. He was the only Houston repre-
sentative in the Experiment in International Living program, and he
lived with a Dutch family in Aalsmeer, Holland. Katherine and Knox,
Sr. joined him at the end of his stay, and together they visited the
Frisian Islands, France, Germany, and Belgium.

Now, all the above
Should surely be
Enough of that foreign flavor
Emma promised we'd savor.
With 'Hey-nonnie-nonnie, and dilly-down-derry,'
Let's turn our thoughts to 'Quaternary'!

"Quaternary," the newcomers' auxiliary to the auxiliary, met at
the Houston Geophysical Club on Wednesday, September 17. They
have approximately thirty-five members now. To qualify for mem-
bership, one must have been in the Houston Geological Auxiliary less
than one year. Anyone interested in joining "Quaternary" should con-
tact the membership chairman, Mrs. C. J. Mayhew at PA 3-1290.

The Clos -- ing Line!!

During the month, if you should know
Of any personals worth a publicity go,
Just call Emma (JA4-8213) or me (JA 8-2969),
And in the next Bulletin, it will surely be.

Now, Farewell! ...
Until October 10th at dear ole Sylvan,
Where ghosts and witches and even bats,
Will help us turn into real Hep Cats!

.... Anile Anderson
OFFICERS

President ........................................ Ralph E. Taylor .................. CA 5-4411
1st Vice President ............................ Jack W. Craig ................... JA 6-3844
2nd Vice President .................. Edd R. Turner, Jr. .................... CA 8-9361
Secretary .................................... Curtis C. Franks ................. CA 4-2093
Treasurer .................................... Austin D. Brixey, Jr. .......... CA 7-2181

COMMITTEE CHAIRMEN

Awards ......................................... Henry G. Guest .................... WA 8-2511
Ballot Counting ............................... A. G. Gueymard ................. CA 5-1271
Boy Scouts ..................................... Douglas E. Bell ................. CA 5-4411
Constitution Study .......................... Ben A. Elmdahl ................... JA 9-4949
Convention Preparation ................... Ralph A. Davis ................... FA 3-2141
Directory ....................................... Jack W. Craig .................... JA 6-3844
Distribution of Publications .............. James B. Dunn ..................... CA 5-4411
Editor, Managing ............................ H. Carter Robinson, Jr. .... CA 5-1607
Editor, Special Publications ............. Clarence L. Moody ................. MO 5-7648
Editor, Bulletin .............................. Shirley L. Mason ................. CA 7-8231
Engineers Council of Houston ............ James H. Ogg ....................... CA 2-9812
Entertainment ................................ B. F. Winborn, Jr. ............... JA 4-8131
Field Trip ...................................... E. H. Rainwater .................. MO 7-5661
Finance ........................................ Charles W. Barnes ............... CA 7-4371
Frio Study Group ............................. L. Bruce Forney ................ JA 9-3441
G.C.A.G.S. 1958 .............................. E. T. Musselman ................. CA 2-1181
G.C.A.G.S. 1959 .............................. George C. Hardin, Jr. ........ MO 7-5601
Highway Strip Map ......................... F. W. Rolshausen ................ CA 5-4411
Insurance ..................................... James H. McGuirt ................. CA 8-9461
Library & Academic Liaison .............. Olin G. Bell ....................... JA 2-2625
New Membership ............................. Harold E. Voigt ................. CA 2-6131
Personnel Placement ....................... Glenn C. Tague ................... CA 4-7591
Preservation Samples ...................... Hal H. Bybee ....................... CA 5-1511
Program ....................................... Edd R. Turner, Jr. ............... CA 8-9361
Publicity Manager .......................... James A. Clark ................... CA 5-6548
Remembrance & Visiting ................... Phillip R. Allin ................... CA 5-0111
Study Courses ................................. Jack W. Craig ................... JA 6-3844
Transportation & Special Training ...... Carleton D. Speed, Jr. ............ CA 4-2523

THE BULLETIN OF THE HOUSTON GEOLOGICAL SOCIETY

Subscription price – $3.00 per year
Published monthly, September to June
Office–234 Esperson Building – Houston 2, Texas – FA 3-8211

PRINTED BY CARDINAL DUPLICATING SERVICE

Editor .................. Shirley L. Mason, 813 Esperson Building .......... CA 7-8231
Ass’t. Editor ........ James S. Critz, 400 Oil & Gas Building .............. CA 2-6131