HGS JUNE MEETING

June 11, 1979 (Evening Meeting)
Galleria Plaza Hotel
Guest Night and Awards Banquet
Social Period—6:00 PM, Dinner and Meeting—7:00 PM
Reservations (by check only—see additional notice inside)
PRESIDENT'S COMMENTS

This has been another good year for the Houston Geological Society. My fellow Executive Board members, committee chairmen and many HGS members contributed their efforts to make this a successful and productive year. I want to thank all of you for helping make my job easier and I extend special thanks to the Executive Board for their support and guidance. A special thank you goes to my secretary, Marcia Blair.

As of May 1, the membership stands at 3124. This includes 3109 Active and Associate Members and 15 Honorary Life members. We may reach a total of 3200 members by the end of this administrative year. Since July 1, 1978 we have approved 395 new member applications.

Your Society was host to the 64th Annual AAPG-SEPM Meeting in April. Many of you worked very hard and the Houston Geological Society is proud of your accomplishments. The attendance of 8000 is a record that will stand for quite some time. During the AAPG the HGS Booth was manned by Nancy Ratcliff and Bob Hunt, Ranger Oil Company; Marcia Blair, Judy Lilge and Claudia Cannon, Transcontinental Gas Pipe line Corporation; and Craig Anderson, Anderson Oil Company. This group of wonderful people sold a total of $2400 worth of HGS publications.

Several committees deserve special mention for their contribution this year:
- Advertising: Matthew W. Daura, Chairman
- Bulletin: Chris P. Cunningham, Editor
- Directory: Clyde Beckwith, Chairman
- Membership: F. A. Ealand, Chairman

The Society published four guidebooks for the AAPG field trips and Mr. Chester A. Baird is deserving of special recognition for coordinating the publication of these guidebooks. The Cross Section Committee under the direction of Howard Kiatta, Executive Committee, brought to a successful completion a long-term project “Stratigraphic Cross Section of South East Texas.” These and the guidebooks are available for purchase at the HGS office.

It has been an honor and a great privilege to serve as the 55th President of the world’s largest local geological society. I have met many new people, made new friends and I hope I have not lost any of my old friends. I would like to thank my employer, Transcontinental Gas Pipe Line Corporation, for their support throughout this year. I would also like to thank my wife, Sylvia, for her encouragement and help. I hope all of you have a safe and enjoyable summer.

JEFFREY V. MORRIS

ADDITIONAL NOTICE

The mail service being what it is means that you must make early reservations. Your check should be made payable to the Society and mailed in early enough to be sure you will get the tickets back in your hands before the date of the meeting.

OIL PRICE DECONTROL AND TAXATION: AN OPEN LETTER

Dear Senator Benson:

Reacting to President Carter’s recent (April 5) statement on oil price decontrol and taxation, I have a suggestion to offer. Inasmuch as a new tax on allegedly increased revenues appears to be inevitable, it should be identified with its true purpose. It should be called the Alternate Energy Development (AED) tax. It should never have been termed a “Windfall Profits Tax.” That was an unforgivable cheap shot at the very industry that gave Americans their present standard of living. I have to think this was psychological naivete.

The purpose of this suggestion is to turn the adversary relationship between the petroleum industry and the American people (including the Congress) more in the direction of a mutually supportive alliance. At the present time a lot of potentially useful psychological inertia of the American people is going to waste: Worse than that, it is aborting the possible solutions to our energy problems. Each side is digging in for maximum resistance, when they could be helping each other. Unfortunately, President Carter has chosen to continue baiting the voters with a rip-off image of the oil industry.

Many prominent oil companies have voiced support for the more conservative moves of the Carter administration. Quite obviously, the responsible petroleum interests concern on the need to apply large portions of revenue to the R&D of alternative energy supplies. They are well qualified and willing to do this. In view of the scope and diversity of the industry, however, they can accept the necessity for some federal constraints.

I feel it could be quite beneficial to put forward the above-suggested labeling for an Alternate Energy Development (AED) tax to the Carter administration. I’m confident that many strong voices in the industry would support it. Surely we must believe it is possible to enlist the support of the American people and their government in solving this most vital problem.

Sincerely,
W. H. Roberts III

PRICE SCHEDULE—HGS EVENING MEETING

Galleria Plaza Hotel

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<td>Galleria Plaza Hotel</td>
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RESERVATIONS

Please make your reservations by mailing a check in the amount of $13.00 per person to:

Houston Geological Society
806 Main Street, Suite B-1
Houston, Texas 77002
Att: Vicki King

Due to the early date of the meeting, don’t delay. ACT NOW!
THOMAS D. BARBER—Biographical Sketch

Mr. Barber is a native of Plainview, Texas, and a graduate of Texas Christian University. He holds a B.A. and a M.A. degree in geology. He served two years in the U.S. Navy in World War II. From 1946 to 1959, he was with Pan American Petroleum Corp. in various geological and administrative positions. He joined Michel T. Halbouty in 1959 as exploration manager. He became general manager in 1968 and was elected vice president of Halbouty Alaska Oil Company in 1969.

He is the co-author of two publications: Pt. Acres, Port Arthur Fields, Jefferson County, Texas, and Responsibility of Geologists and Petroleum Engineers; he is the author of the publication, Practice of Petroleum Exploration in the Gulf Coast Area.

His professional affiliations include: AAPG, APGS, GSA, IPAA, AAPL, Houston Geological Society, Society of Exploration Geophysicists, Geophysical Society of Houston, South Texas Geological Society, and the Wyoming Geological Society. Mr. Barber is serving as Vice President of AAPG for the 1978-1979 term.

EDITOR’S NOTE:

In October of 1978, a group of 14 American geologists spent 16 days in The People’s Republic of China. Their visit was in response to an invitation extended by the Chinese through the Wyoming Geological Society to tour China’s giant Taching Oil Field, and meet with Chinese geologists in Taching and Shanghai for scientific, technical and cultural exchanges.

One of the members of the American delegation was Tom Barber, General Manager for Michel T. Halbouty and Vice President of the American Association of Petroleum Geologists. Mr. Barber’s comments on China’s mineral and petroleum potential and its political and economic future are based on observations and experiences during that visit and events which have occurred since.

WHAT PRICE A BOWL OF RICE: SOME PERSONAL OBSERVATIONS ON THE FUTURE POTENTIAL OF THE PEOPLE’S REPUBLIC OF CHINA (Abstract)

China occupies ten percent of the world’s land area and is home for one-quarter of all the people who live on the face of the earth. These one billion Chinese are the product of the oldest, continuous civilization in the world with a recorded history that goes back 4,000 years and a geological history that locates a primitive ancestor living and loving thirty miles southwest of Peking over 400,000 years ago.

China is a land of contrasts and contradictions. The Chinese are friendly but wary; smart but uninformed; energetic and industrious but totally subject to the rigid totalitarian rule of the Chinese communist party which has been in power since 1949.

Throughout its long history, China has experienced many changes but probably none so profound or so abrupt as the changes which have taken place during this last thirty year period. Guided by the strong charismatic dictatorship of Mao Tse-Tung, China has found enough oil to be self-sufficient and obtained enough food to provide each comrade a bowl of rice a day. For a people who were starving, this in itself is a significant achievement, but after thirty years, a daily bowl of rice can become a little tasteless.

China has a substantial mineral resource and a petroleum potential that may not be as significant as many have prophesied. The Taching Field in the Sung-Liao Basin of northern Manchuria is symbolic of the anomaly that is China. Nevertheless, China has the capabilities of becoming a major first-rate industrial power. To modernize and industrialize China needs a long period of peace. China does not need territory; it needs hardware and know-how.

With Mao’s death in 1976 and the ouster of the nefarious “gang of four”, new winds of change are causing the red flag to flutter. The winds are from the west and they carry the sweet scent of a more abundant life. The Chinese must make some difficult decisions in the years immediately ahead. They must choose between more classless socialism or a little bit of capitalism; more Mao Tse-Tung jackets or a few Pierre Cardin gowns. Bet on the Frenchman but realize that the changes these choices provoke may prove to be even more profound and more abrupt than those of the last thirty years.

JUNIOR HIGH AND HIGH SCHOOL SCIENCE FAIR AWARD WINNERS

JUNIOR DIVISION

David Martin
3314 Willie Way
Spring, Texas 77380
Phone: 292-3466
Neal Knox Jr. High
Conroe ISD
Sponsor: Kathy Savage
Title: Fossils: Windows of the Past
Jason Wooten
12607 Campsite Trail
Cypress, Texas 77429
Phone: 469-3328
Arnold Jr. High
Cy-Fair ISD
Sponsor: Conrad
Title: Tracing the Spring Branch Fault
Matt Sitter
3202 Flaming Candle Drive
Spring, Texas 77373
Phone: 353-9881
Strack Intermediate
Klein ISD
Sponsor: Bonetati
Title: Rocks and Minerals

SENIOR DIVISION

Russell Powledge
10 Whittier
Friendswood, Texas 77546
Phone: 482-0116
Friendswood High School
Friendswood ISD
Sponsor: Mr. Jones
Title: Gulf Coast Fault Problem
PROFESSIONAL AND ORGANIZATIONAL NEWS

Earl Warner, formerly with Inexco Oil Company, is representing Maynard Oil Company as a Consulting Geologist at 802 Lincoln Liberty Life Building (across from the Hyatt Regency). Telephone: 713/659-7206.

The Oil & Gas Division of Dow Chemical U.S.A. will be moving into the New Dow Center, located at 400 West Belt South, early in July. Their new mailing address will be: Box 4322, Houston 77210. The Dow Center telephone number will be 978-2971.

Newmont Oil Company is pleased to announce the promotion of Mr. Darrell D. Rogers to the position of Division Geologist-Offshore.

The Houston Chapter of the Society of Independent Professional Earth Scientists announces its officers for 1979.

Chairman Bill Champlon
Vice Chairman Evelyn Wille Moody
Treasurer Jim Moody
Secretary Jim Young

The Society is for the independent and has programs and training sessions to update the skills of Geologists, Geophysicists and Petroleum Engineers.

Ralph W. Baird, registered professional engineer and graduate of the Colorado Schools of Mines, has formed Baird Petrophysical Group, Houston, and is managing director of the firm. He was formerly a Vice President of Timko, Lindahl, and Schweihtardt, Inc., a director of Fairfield Industries, Inc., and engineer and geophysicist for Continental Oil Company, Kelly G. Robertson, formerly employed by Sytech Corporation and Offshore Navigation, Inc., is associate geophysicist, Shallow Exploration division, and Paul J. Ramondetta, currently Professor of Geology and Physical Sciences at Houston Community College, formerly with Western Geophysical Corporation, has joined the newly organized firm as geologist, Shallow Exploration division.

Baird Petrophysical specializes in the engineering analysis of geological and geophysical data. Shallow Exploration, a division, specializes in data processing and interpretation of high resolution and multi-sensor geophysical data. The company’s new offices are located at 8552 Katy Freeway, Suite 248, Houston, TX 77024.

Douglas R. Webb has been promoted to district geologist in Mitchell Energy Corporation’s Geology Department. He is responsible for geological activities in the offshore area in the department’s southern division.

Southport Exploration, Inc. announces two appointments in its Texas Gulf Coast Division:

Charles J. Marquardt has been named Division Geologist and Manager of the Houston office. Marquardt is a 1954 geophysics graduate of Colorado School of Mines. He spent more than 22 years with Sun Oil Company and affiliates as a geologist in west Texas, the Lower Valley, offshore Alaska and California and was Sunmark Exploration Company’s south Louisiana exploration manager.

C. David Martin is Southport’s new South Louisiana division geologist. He holds a degree in geological engineering from Texas A & M and has worked for 27 years with Sunray Oil Company, General Crude Oil Company and as an independent consultant.

Southport conducts exploratory operations in western Oklahoma, southern Louisiana and the gulf coast of Texas. Their Houston office is located in the 1100 Milam Building.

Highland Resources, Inc., Houston, Texas, announces the appointment of Richard J. Callaway as Manager of Exploration. A native of Teaneck, New Jersey, with a BS in geology from Yale and an MS in geology from the University of Minnesota, Mr. Callaway’s past affiliations have been with Aminoil, Burmah, Signal and Chevron. He is a member of Houston Geological Society, American Association of Petroleum Geologists and Geological Society of America.

The Department of Geology, Louisiana State University, anticipates adding three new faculty members for the fall of 1979. The department expects to hire a specialist in stable isotope geochemistry; in addition applications are encouraged from individuals with backgrounds in one or more of the following: stratigraphy and tectonics of stratigraphy-exploration seismology, clastic sedimentary diagenesis-low-grade metamorphism, marine geology/geophysics, earthquake seismology, or organic geochemistry. We welcome applications in other fields of geology as well. Appointees will be responsible for teaching at the undergraduate and graduate levels and will be expected to develop innovative research and graduate training programs. All applicants should submit a resume, a brief statement of their teaching and research interests, and three letters of recommendation to Ray E. Ferrell, Jr., Chairman; Department of Geology; Louisiana State University; Baton Rouge, LA 70803. LSU is an equal-opportunity/affirmative action employer.

Ranger Oil Company announces several promotions and staff additions:

Robert L. Hunt
Fletcher T. McClintock
Mark N. Varhaug

All joined the company as District Exploration Geologist during 1978. Robert L. Hunt formerly with Cities Service Oil Company has recently been appointed Exploration manager; Fletcher T. McClintock, formerly with Michigan-Wisconsin and Cities Service is District Geologist for south Louisiana; Mark N. Varhaug, formerly with Monsanto is Texas upper coast District Geologist; and John Hearn, who recently joined the company, has been appointed south Texas District Geologist.

SYMPOSIUM ANNOUNCEMENT

September 13 and 14, 1979, Symposium II, Unconventional Methods in Exploration for Petroleum and Natural Gas, Hilton Inn, Dallas, Texas. Contact: Marion Hustis, Institute for the Study of Earth and Man, SMU, 3225 Daniels, Box 274, Dallas, Texas 75275. 214/692-3488.

PASSAGES

Cyrus D. (Cy) Cantrell, Jr., 66, Houston Consulting Geologist and Engineer, died April 5, 1979 in Houston, Texas. Cy was a member of AAPG, HGS, SIPES, AIME and SPEE.

Mr. Van D. Robinson suffered a fatal heart attack on April 13, 1979. He was an independent geologist, located in Houston.
HIGHLIGHT—
PRODUCTION RECORDS IN THE OPEN STACK

The complete production records for individual leases in the 29 counties of the Texas Railroad Commission's Houston district dating from 1936-1968 can be found in the open shelves of the Science area in the Houston Public Library. They are right in front of the Xerox machine—a very handy arrangement. Help yourself!
Evelyn Wilie Moody

NOTICE

Newly elected H.G.S. officers and executive committee members for the 1979-80 fiscal year are:

President
First Vice President
Second Vice President
Secretary
Treasurer
Executive Committee

for two-year term

William A. Fowler, Jr.
Chester A. Baird
William F. Bishop
Peggy J. Rice
Matthew W. Douws
Robert W. Bybee
James A. Ragsdale

Phillips Petroleum Co.
Dow Chemical U.S.A. Oil & Gas Division
Tenneco Oil Co.
Continental Oil Co.
Transcontinental Gas Pipeline Corp.
Exxon Company, U.S.A.

7-1-79 - 7-1-80

D.J. BONVILLAINT
Chairman, Ballot Committee

VOICES OF THE OIL FINDERS

Southern Methodist University is initiating an oral history project for the accumulation of raw data through recorded interviews with individuals who have played significant roles in exploration. The goal is an archival collection of tapes on which the actual voices of the workers (their recollections and viewpoints) are preserved, and the publication of a book, to be called, tentatively, Voices of the Oil Finders.

We need advice on subjects of special interest to you and names of individuals to contact for interviews. We would appreciate your help. Please contact Nancy Alexander, 13131 Champions Dr., Ste. 206, Houston, Texas (713/440-7186) or Ronald Davis, Director, DeGolyer Institute, and head of Oral History, Southern Methodist University, Dallas, Texas 75275.

ANDRUS PRAISES REORGANIZATION PLAN

"President Carter's reorganization plan provides the framework for efficient, effective, comprehensive and consistent management of our precious natural resources," Interior Secretary Cecil D. Andrus said as the White House unveiled a plan for creation of a Department of Natural Resources.

"The present alignment of agencies may have made sense at one time, but yesterday's blueprint won't answer today's urgent demand to manage our resources to meet tomorrow's needs," Andrus said. "We must organize so that the public can hold one Department accountable for a coherent Federal response to the competing and ever-expanding demands being put upon the finite natural resources of our Nation."

The new Department would consist of agencies under the current Department of the Interior, plus the U.S. Forest Service, which would be transferred from the Department of Agriculture, and the National Oceanic and Atmospheric Administration, which has been in the Department of Commerce.

"This consolidation is a common sense alignment designed to provide for wiser management of natural resources at reduced cost to the American taxpayer," Andrus said.

The Secretary emphasized that in organizing the Department of Natural Resources he would work closely with each of the agencies, with members of Congress, and with groups concerned about effects of the reorganization.

"We are going to protect and perpetuate the expertise, the professionalism and commitment of the dynamic agencies involved in this plan," Andrus said. "The U.S. Forest Service, the National Oceanic and Atmospheric Administration, and agencies within my Department of the Interior have traditions of excellence. We will seek not only to perpetuate but to amplify the morale which has been evident in these agencies.

"Since these people are professionals, I believe they will recognize that by organizing so they can all work more closely and cooperatively, they can achieve higher quality of service to the public," Andrus added. "And since all of these agencies are involved in resource conservation, I think they will see that this is a major conservation step, including the conservation of taxpayer dollars. One of our major objectives will be to reduce the duplicative and sometimes conflicting administrative machinery so that we can put our energies and our fiscal resources to bear on actual resource management and problem-solving."

The plan also is supported by Secretary of Agriculture Bob Bergland and Secretary of Commerce Juanita Kreps who would yield substantial programs to DNR.

Andrus said he plans to begin consultations with NOAA and the U.S. Forest Service as soon as possible.

Noting that the Department of the Interior was established 130 years ago as of March 3, Andrus said he shares the mixed emotions about the potential supplanting of the 5th oldest department of the Federal government with a new Department of Natural Resources.

"But we must look ahead to the 1980's and beyond, and develop new tools that are better suited to handle the challenges we see ahead," Andrus said.

THANKS TO MATSON AWARD JUDGES

AAPG's Matson Award is made to the speaker who presented the paper before the annual convention of AAPG judged to be the best on the basis of scientific quality of content and excellence in presentation. There were 32
technical sessions (268 papers) at the recent annual meeting in Houston which were eligible for Matson Award consideration. With 6 judges for each technical session, a group of 192 judges plus alternates was required to judge the eligible papers. Of this number, the Houston Geological Society supplied 101 judges and alternates. The 1979 Matson Award Committee: Chester A. Baird, Samuel B. Frazier, Hillord Hinson, Robert Pavlovic, Don G. Tobin, James A. Wheeler, and Dean Grafton, Chm., would like to publicly thank those HGS members who served as judges and alternates.

Robert K. Aaker
T. A. Anderson
O. Lyle Austin
Jack M. Balderas
Russ L. Baughman
Thomas A. Bay
Clyde G. Beckwith
J. L. Becnel
R. L. Beh
James A. Bentley
Otis B. Coulson
David C. Crane
Marilyn J. Crane
D. H. Cummings
Dr. C. C. Daetwyler
Alfred J. Deschamps
A. S. Dickinson
Grant M. Domino
Jack D. Edwards
James M. Edwards
Jerry D. Ferguson
R. W. Forster
L. J. Franz
John D. Frick
W. D. Gardner
George E. Gordon
Donald Gray
Richard P. Grills
Richard G. Guerrero
Dr. David J. Hall
Dr. G. S. Hamill IV
Dr. Burt E. Hamric
Fred C. Hankinson
Wiley B. Harle
Kennard R. Harper
E. S. Hastings
Stewart L. Henry
H. L. Rickard
George H. Rudkin
John A. Ruggles
W. A. Ruoff
John W. Sauri
Fred Schall
P. M. Scott
Brian R. Shaw
James L. Smith
W. H. Spencer
A. T. Statler
John Strickland
Dr. Syed A. Ali
Andrew Yelenosky
K. K. Bissada
D. R. Brogdon
Harrison T. Brundage
Wayne Z. Burkke
Edward A. Bush
Hal H. Bybee
Susan K. Cage
John W. Cagle
Warren L. Calvert
Angus S. Campbell
Dr. Richard B. Hohlt
Dr. D. H. Horowitz
John W. Inkster
G. E. Kelley
J. F. Keith
H. G. Kinzey
R. F. Kosatka
J. L. Lamb
Gene B. Martin
Louis M. Martinez
E. L. Maxwell
Dr. Philip F. McKinlay
Dr. R. E. Metter
K. J. Mesolella
Dr. H. W. Mueller III
Dalton L. Null
M. M. Osborne
D. K. Patton
Fred J. Paulus
Dr. T. J. Petta
Robert L. Peters
Sam H. Peppiatt
William G. Pittman
Don A. Preston
John Rabenold
David B. Remick
R. H. Reyes
J. H. Tarver
T. M. Thompson
Stephen Tisza
Charles F. Tomek
Gene Von Tungeln
Sam M. Udden
Louis Villanueva
Harold E. Voigt
A. H. Wadsworth Jr.
J. M. Wagenman
James E. Werner
Robert B. Wightman
W. W. Woolfolk

HGS GRANTS OUTSTANDING STUDENT AWARDS

The Houston Geological Society (HGS) is very pleased to present the 1978-79 Outstanding Student Award winners from five local universities. Each year, the HGS requests that each of the five geology departments choose one student, either graduate or undergraduate, who has been the outstanding person, both academically and in teaching and service to the department and university. These five students are honored by the HGS with an inscribed plaque and a check for one-hundred and fifty dollars. At our May 14 evening meeting these students, their spouses and professors were honored in our annual presentation ceremony. We heartily congratulate each of these fine students and we encourage them to continue their excellent work. This year's winners are:

RICHARD H. GARTNER
LAMAR UNIVERSITY

Mr. Richard H. Gartner is presently completing work on his BS degree at Lamar University. He is a member of the Lamar University Geological Society, and received the Renfro Scholarship in 1978. Mr. Gartner plans to attend graduate school in Texas, and is looking forward to a career as a geologist within the petroleum industry.

JAMES R. GARRISON, JR.
UNIVERSITY OF TEXAS AT AUSTIN

Mr. James R. Garrison, Jr. received a BS degree in geological sciences with honors in August of 1976. He expects to complete his requirements for a PhD in the spring of 1979. Mr. Garrison has received a number of awards, including the Department of Geological Sciences Petrography Award (1978) for excellence in petrography. He is a member of the Geological Society of America, Mineralogical Society of America, and the American Geophysical Union. Recently, he was elected to membership in Sigma Xi.

The title of Mr. Garrison's dissertation is Petrology and Geochemistry of the Precambrian Coal Creek Serpentinite Mass and Associated Metamorphosed Basaltic and Intermediate Rocks, Llano Uplift, Texas. Specifically, Mr. Garrison's dissertation deals with possible evidence of plate tectonism during the Precambrian.
ELIZABETH C. GARBETT
UNIVERSITY OF HOUSTON

Elizabeth C. Garbett received a BS in Physics from the University of Massachusetts in 1942. In 1978 she earned the MS degree in Geology at the University of Houston. Her thesis, Zoogeography of Recent Cytheracean Ostracodes in the Bays of Texas, was completed under the direction of Dr. Rosalie F. Maddocks. This taxonomic and distributional survey of ostracode faunas from Sabine Pass to Port Isabel has helped to clarify the relationships of these faunas with those of modern and Neogene coastal environments elsewhere in the Gulf of Mexico and Atlantic Coastal Plain. The results of this research will be published in the July 1979 issue of the Journal of Paleontology.

Elizabeth received a scholarship from the Houston Conchology Society and a research award from The Society of the Sigma Xi. Since her graduation, she has been a Research Fellow and Lecturer in the Department of Geology, University of Houston. She is now employed by Robertson Research (U.S.) Corporation. She is a member of the Paleontological Society and Sigma Gamma Epsilon.

LAWRENCE TIEZZI
TEXAS A&M UNIVERSITY

Mr. Lawrence Tiezzi received his BS degree from Rensselaer Polytechnic Institute in 1973. In 1976, he received his MS degree from Texas A&M University. His thesis was entitled Petrology of a Dredged Cumulate-Textured Gabbric Complex from the Mid-Atlantic Ridge, Latitude 26°N. Mr. Tiezzi is currently working toward a PhD in geology at Texas A&M. His dissertation research topic is Origin of Chemical Variations in Mid-Ocean Ridge Tholeiites: An Evaluation of Crystal Fractionation and Melting Mechanism. He was co-principal investigator on the National Science Foundation grant Chemical and Petrological Processes of Origin and Evolution of Mid-Ocean Spreading Centers and holds a Research Assistantship under the grant. He spent the summer of 1976 as a research scientist with Phillips Petroleum Company. During the summer of 1977 he was a member of the scientific party on the TAMU Research Vessil GYRE where he collected samples for his PhD research. He is a member of the American Geophysical Union, and in 1977 he received the Outstanding Graduate Student Teaching Award for Texas A&M University.

RICHARD A. REYNOLDS
RICE UNIVERSITY

Richard Reynolds received his BS degree (Summa Cum Laude) in geology from California State University at Long Beach in 1976. He received his MS in May of 1978 from Rice University. His thesis was entitled Cenozoic Cornutellid Biostratigraphy and Paleceanography from Deep Sea Drilling Project Core 77B of Leg 9 (Eastern Equatorial Pacific). Mr. Reynolds also participated in Deep Sea Drilling Leg 57, in the northwest Pacific. Samples obtained from this cruise are being examined with regard to radiolarian biostratigraphy and paleceanography of the north Pacific Neogene, as a basis for his Doctoral dissertation, to be completed in May of 1979 at Rice University.

Mr. Reynolds has published papers and abstracts dealing with radiolarian biostratigraphy and ecology, and Neogene Paleceanography. He has received several honors while at Rice, including a Rice Scholarship, a Maurice Ewing Fellowship in Oceanography, and a Petroleum Research Fund Grant. Currently, he is a member of AAPG, Phi Kappa Phi, and Sigma Gamma Epsilon.

CALL FOR PAPERS

The Wyoming Geological Association is soliciting papers for their 1980 annual field trip and symposium. Wyoming stratigraphy will be the subject of the meeting, to be held during early September, 1980, at Teton Village, Wyoming. Those wishing to contribute papers to the hard-covered, bound guidebook, or present papers at the conference, should contact either W. R. Merchat (General Chairman) or A. C. Harrison (Managing Editor). Both can be contacted by writing to:

(individual's name)
Gulf Oil Company
P. O. Box 2619
Casper, Wyoming 82602

Telephone: 307/235-1311

NEW MEMBERS

NICHOLLS, THOMAS E.
Sr. Sales Eng.
Schlumberger Well Services
1300 Main, Suite 1209
Houston, Texas 77002
656-6300

OLIVER, JOHN L.
Sales Manager
Core Service, Inc.
P.O. Box 2765
Corpus Christi, Texas 78403

ORLOWSKI, WAYNE C.
Geologist
Conoco
P.O. Box 2196
Houston, Texas 77001
965-2301

PENNINGTON, ALLAN S.
Project Supervisor
Golden Strata Services
711 Polk, Suite 900
Houston, Texas 77002
759-9194

POPP, BRIAN N.
Tech. Asst. Geol.
Michigan-Wisconsin Pipeline Co.
5075 Westheimer, Suite 1100
Houston, Texas 77056
623-0300 Ext. 624

RUNYON, STEPHEN L.
Geologist
Exxon Company USA
P.O. Box 2180
Houston, Texas 77002
569-1383
This year the scene is San Antonio, home of the Alamo, the soft taco, the River Walk and the 1979 GCAGS-SEPM Convention!

Make your plans now to attend. While we don’t have space to tell you about all of our plans here, some of the exciting things you’ll find are:

- **FINE TECHNICAL PROGRAMS**
  - Outstanding Technical Papers
  - Alternate Energy Resources Symposium
  - Central Mineral Region (Economic) Field Trip
  - Hill Country Field Trip (Cretaceous) with Pete Rose
  - Coastal Field Trip — a Look at Modern Environments

- **FOR THE LADIES**
  - Thursday: Luncheon and Style Show at the St. Anthony
  - Friday: Bus trip to Nuevo Laredo, Mexico, for shopping and sight-seeing
    (Men Invited, too!)
    - A River Boat Ride to and a Tour of the Southwest Craft Center and Shopping tour of “El Mercado.”
    - Luncheon at Los Patios Garden Restaurants and Boutique shopping.

- **SPORTS ACTIVITIES (Men & Women)**
  - Golf Tournament
  - Tennis Tournament
  - Cross Country Run

- **FIESTA EVENTS (SOCIAL)**
  - Wednesday Night: Cocktail Party on the River Plaza
  - Thursday Night: “A Night in Old San Antonio” — San Antonio’s own version of “Mardi Gras”

It’s your convention, in our town. Make plans now to visit both!

For Information contact:
- Convention Chairman
- 320 Milam Building
- San Antonio, Texas 78205
- Phone (512) 224-2548
NAME __________________________ PHONE (_____) ______

FIRM __________________________

ADDRESS ______________________ CITY __________ STATE ______ ZIP ______

GCAGS. SPEAKER EXHIBITOR GUEST STUDENT

CIRCLE DATES FOR DESIRED OVERNIGHT ACCOMMODATIONS:

TUES. OCT. 9 WED. OCT. 10 THURS. OCT. 11 FRI. OCT. 12

ARRIVAL DATE __________, A.M. __________ P.M. __________
DEPARTURE DATE __________, A.M. __________ P.M. __________

NAMES OF ADDITIONAL OCCUPANTS:

HOTEL PREFERENCE: MARK 1, 2, 3, & 4 IN "CHOICE" COLUMN AND CIRCLE DESIRED RATE.

(S) SINGLE DOUBLE SUITE 1 BDRM. SUITE 2 BDRM. CHOICE

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UPDATE ESTIMATES FOR OIL AND GAS RESERVES, OFFSHORE SOUTHERN CALIFORNIA

As of January 1, 1978, about 675 million barrels of petroleum liquids (both oil and natural gas liquids) and 1.46 trillion cubic feet of natural gas are estimated as "remaining recoverable reserves" in 13 federal fields of the Outer Continental Shelf (OCS) off southern California, according to a newly issued U.S. Geological Survey, Department of the Interior, report.

The figures represent an increase of 2 million barrels of oil and 10 billion cubic feet of gas in remaining recoverable reserves from the January 1, 1977, estimates. The increase results from the addition of one new field and several new pool discoveries, along with modified estimates of previous discoveries based on additional studies, the report said.

Original recoverable reserves in the 13 fields discovered were about 843 million barrels of petroleum liquids and 1.55 trillion cubic feet of gas. The difference between the original reserves and the updated reserve estimates—about 168 million barrels of oil and .09 trillion cubic feet of gas—is the amount produced.

Reserves reported are on the OCS beyond the 3-nautical-mile limit off the California coast in the Santa Barbara Channel and San Pedro Bay. For one field, only a portion was included because testing was too limited to permit a reasonable estimate of the total field.

USGS officials explained that the reserves listed in the report are "demonstrated" reserves, defined as that part of the identified oil or gas resources which can be economically extracted using existing technology as estimated from geologic evidence supported directly by engineering measurements and drill logs. This includes recoveries which engineering knowledge and judgment indicate will be economically available by fluid injection, whether or not such a secondary recovery program is currently installed.

The report will be updated annually as part of a USGS program aimed at providing and maintaining a current government-estimated inventory of oil and gas reserves on all federal OCS lands.

Copies of the report, Estimated Oil and Gas Reserves, Southern California Outer Continental Shelf, January 1, 1978, USGS Open-File Report 79-345, prepared by Cyril V. Bird, may be purchased for $1.50 per copy in paper or $3.50 per copy in microfiche from the Open-File Services Section, Branch of Distribution, U.S. Geological Survey, Box 25425, Federal Center, Denver, CO 80225, telephone 303/234-5888. Prepayment is required, with check or money order made payable to the U.S. Geological Survey.

BINDING AAPG BULLETINS REMINDER

July 1, 1979 is the deadline to get a reduction on bulletin binding at A. V. Emmott & Sons Book Binders, Inc. See your May HGS Bulletin for details.

GCAGS NOTE

Sale of the Transactions of the Gulf Coast Association of Geological Societies is now being handled by the Department of Geology, University of Texas at Austin. The address is: University of Texas, Department of Geology, P.O. Box 7909, Austin, Texas 78712. If you have any questions pertaining to the Transactions, call Ms. Bernita Shrader, 512/471-5172.

Have a productive summer!
The Bulletin will be back in September!
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The Houston Geological Society was founded in 1923 and incorporated in 1975. Its objectives are to stimulate interest and promote advancement in geology for this area, to disseminate and facilitate discussion of geological information, to enhance professional interrelationships among geologists in the area, and to aid and encourage academic training in the science of geology.

The Bulletin is published monthly except July and August. Subscription price for nonmembers is $10 per year. Single copy price is $1.50. Claims for nonreceipt in the contiguous U.S. should be made within 2 months of the date of issue; claims from elsewhere within 4 months.

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The cover photo for this issue of the HGS Bulletin shows a panoramic aerial view of the city of Houston. The view is approximately NW. This photograph was taken in March of 1952. (Photograph courtesy of the Texas and Local History office of the Houston Public Library)

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