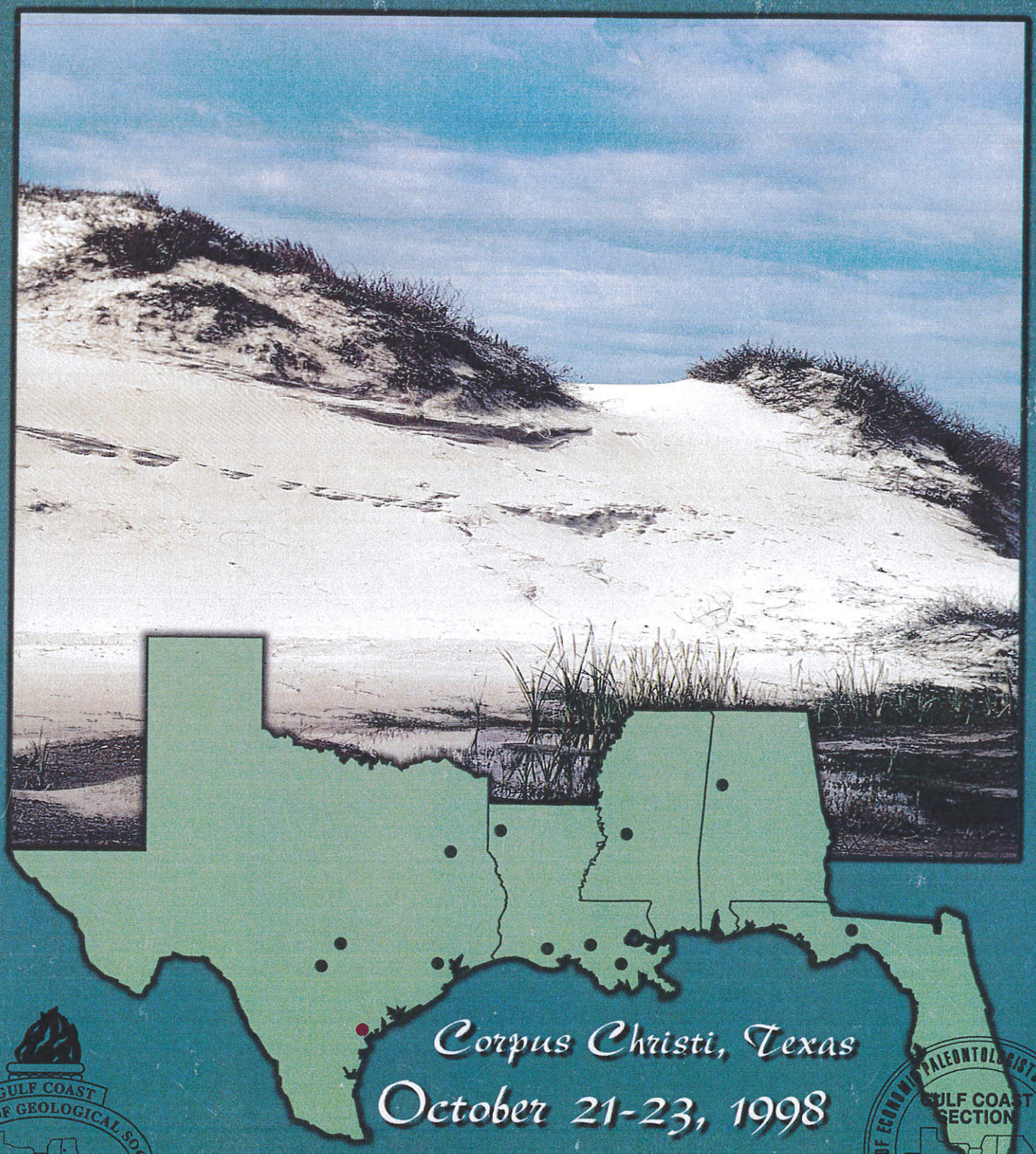
GULF COAST ASSOCIATION OF GEOLOGICAL SOCIETIES



Corpus Christi, Texas

October 21-23, 1998

GULF COAST ASSOCIATION OF GEOLOGICAL SOCIETIES 1951

SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS GULF COAST SECTION FOUNDED 1953

TRANSACTIONS OF THE 48TH ANNUAL CONVENTION

Transactions

Gulf Coast Association of Geological Societies

A Section of the American Association of Petroleum Geologists
with Contributions by the Gulf Coast Section SEPM

Volume XLVIII
1998

Jennifer S. Prouty, Katherine H. Price and **Virginia W. Henderson**
Editors

Prepared for

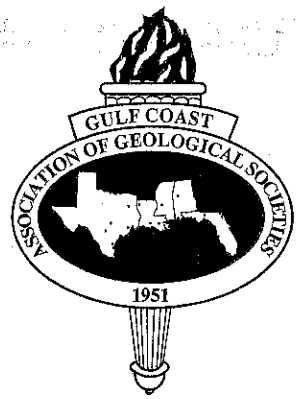
the Forty-Eighth Annual Convention of the
Gulf Coast Association of Geological Societies
American Association of Petroleum Geologist Regional Meeting

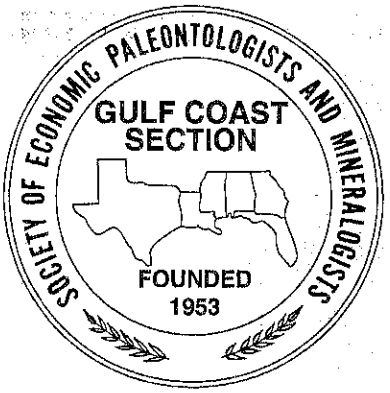
and

the Forty-Seventh Annual Convention of the
Gulf Coast Section of the Society of
Economic Paleontologists and Mineralogists

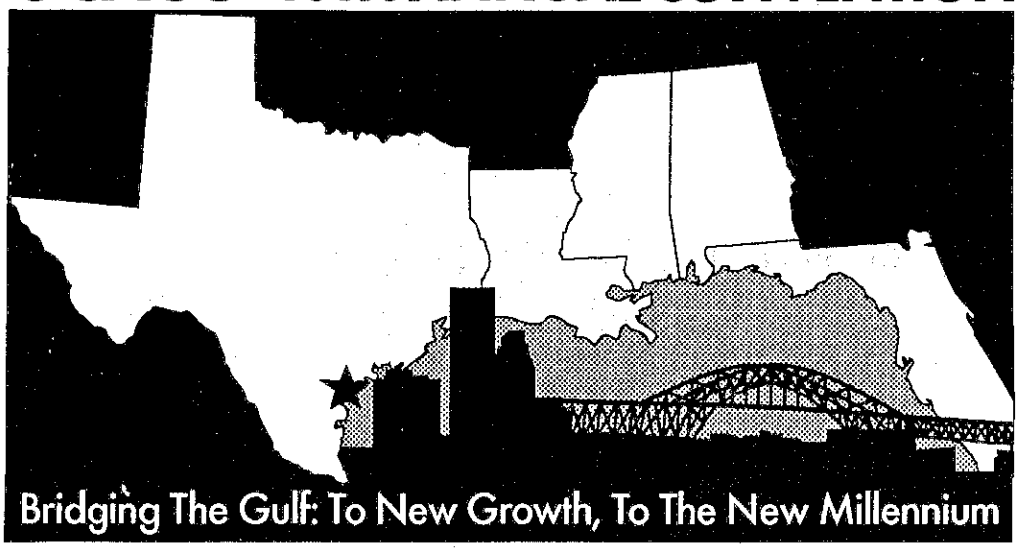
in

Corpus Christi, Texas
October 21-23, 1998
Hosted by the Corpus Christi Geological Society





GCAGS 48TH ANNUAL CONVENTION



Only those papers, abstracts, and extended abstracts which were submitted directly to the *Transactions* editors were included in this year's *Transactions*. Abstracts of all papers and posters presented at the meeting appear in the meeting Program.

Front Cover: The photograph is a southwesterly view of a deflation flat behind the foredune ridge on Mustang Island, a barrier island fronting the Texas coastal plain. Sea oats are growing in fresh water: a surficial expression of the perched water table that is high due to recent rains. Cross-bedding in the dune can be seen on the dune's slip face, about half way to the top. The photograph was taken in 1998 by Virginia Davis of Uvalde, Texas.

Dedication

Transactions Volume 46

Paul M. Strunk

The members of the Corpus Christi Geological Society and the Gulf Coast Association of Geological Societies take great pleasure in dedicating the *Transactions* of the 48th Annual Convention to Paul M. Strunk. Paul is honored for his many years of dedicated service to his profession, especially to GCAGS and AAPG.

As one reviews Paul's career in geology, certainly his great success in finding and developing oil and gas properties and the resulting financial rewards that success brings are most impressive, but his outstanding leadership and vision, combined with a long record of unselfish service to geological organizations of which he is a member, readily identify him as a rare and unique person willing to give of himself to better his profession. Paul's constant enthusiasm and good humor, perceptive mind, and a well-grounded, sensible and down-to-earth approach to issues have made him a respected leader and a statesman for his local geological society, GCAGS, AAGS, and other groups with which he is affiliated.

Paul M. Strunk was born May 11, 1934, in Abilene, Kansas. He received a B.S. degree from Kansas State University - Manhattan in 1956. After one year of employment as a geophysicist by Pan American Petroleum Corporation in Lafayette, Louisiana, Paul took a leave of absence and returned to Kansas State where he received a M.S. degree in geology in 1958. He was then transferred to Corpus Christi where he worked as a geologist for Pan American Petroleum Corporation.

Paul joined Skelly Oil Company in Corpus Christi as an exploration geologist in 1960. In 1964, he became an independent geologist and in 1974, Paul and an associate, J.B. Clark, formed Fontana Oil and Gas. Fontana merged with Centura Incorporated in 1976 with Paul being named president of Centura. After two years as president of Centura, Paul resigned and formed American Shoreline, Inc., a successful oil and gas exploration company headquartered in Corpus Christi, Texas.

Throughout his career, Paul has been active in professional organizations. He has held numerous committee positions and offices in the Corpus Christi Geological Society, culminating with his election as president in 1967-68. He was named an Honorary Life Member in 1984.

Paul has also been active in the Gulf Coast Association of Geological Societies, serving on various committees: as vice president in 1980, and as president in 1981. In 1983 he was named an Honorary Life Member in the GCAGS as a fitting tribute to his many years of service and effective leadership. He has chaired both the Long Range Planning Committee and the Scholarship Committee of GCAGS, and served as GCAGS Representative to the AAPG Advisory Council from 1983 to 1986.

Paul is a member of the American Institute of Professional Geologists and in 1972 served as President of the Texas Section. He was a trustee of the National AIPG foundation in 1985 and 1986. He is also a member of the Society of Independent Professional Earth Scientists and has been a national director of that group. Paul is a member of the Texas Independent Producers and Royalty Owners Association and has served on their executive committee.

Paul has been an Active Member of AAPG since 1960. His activities in AAPG include service on the Insurance, Environmental, 21st Century, Headquarters Management, and Investment Committees. He chaired the latter from 1993 through 1997. Paul served two terms as a member of the House of Delegates and chaired the initial ad hoc Committee on Committees of AAPG in 1991 and 1992. He received the AAPG Certificate of Merit in 1991 for his service on the 21st Century Committee and was named a Founding Member of the Division of Environmental Geosciences in 1992. He received the AAPG Distinguished Service Award in 1993, and is a member of the Trustee Associates of the AAPG Foundation. He was elected and served as AAPG Treasurer from 1988-1990, and was a candidate for President Elect in 1995. Paul's dedication to AAPG is evident from the diversity of the positions in which he has been asked to serve, and is yet another indication of the high esteem in which he is held.

In addition to his many professional activities, Paul has been active in civic and governmental affairs including Boy Scouts, YMCA and Young Life. He has served on the Corpus Christi Independent School District Building Advisory Committee and on the oil industry segment of the United Way Committee. In 1996 Paul was appointed by the Governor of Texas to serve on the Governor's Committee for Property Tax Relief. He is currently serving on the Energy Resource Committee of the Interstate Oil and Gas Compact Commission.

Paul is a Lifetime Member of the Advisory Council for the

Department of Geology at Kansas State University. He is also a member of the President's Club at Kansas State.

Paul and his lovely wife, Deana, reside in Rockport, Texas just outside of Corpus Christi. He is a very proud father of five children and two stepchildren.

Paul Strunk has for many years served his profession and GCAGS in varied and meaningful leadership roles and his service is still continuing. Paul remains an active oil and gas explorationist, and yet he still allocates a considerable portion of his time to both community and professional improvement. Throughout his professional life Paul has always exhibited fairness, extreme courtesy, and an amiable nature. These admirable traits have resulted in Paul's establishing a great host of friends and admirers—possibly his greatest accomplishment. This *Transactions* volume is dedicated to Paul M. Strunk for his dedication and unselfish leadership and vision in his many years of service to our profession and to GCAGS.

Don R. Boyd

Past Honorees of *Transactions* Dedications

Gulf Coast Association of Geological Societies

Year	Host City	Transactions Dedication
1951	New Orleans	None
1952	Corpus Christi	None
1953	Shreveport	None
1954	Houston	None
1955	Biloxi	Lloyd William Stephenson
1956	San Antonio	None
1957	New Orleans	Henry Van Wagenen Howe
1958	Corpus Christi	None
1959	Houston	Alexander Deussen*
1960	Biloxi	Honored Five Geologists †
1961	San Antonio	None
1962	New Orleans	None
1963	Shreveport	Clarence L. Moody*
1964	Corpus Christi	None
1965	Houston	Dr. Henryk Bronislaw Stenzel
1966	Lafayette	Dr. Grover E. Murray
1967	San Antonio	John Roy Sandidge
1968	Jackson	GCAGS Steering Committee 1949-50 ††
1969	Miami	None
1970	Shreveport	Dr. C. O. "Clay" Durham
1971	New Orleans	Jules Braunstein
1972	Corpus Christi	Michel T. Halbouty
1973	Houston	Edward H. "Rainey" Rainwater*
1974	Lafayette	William R. Paine
1975	Jackson	William Maurice Ewing*
1976	Shreveport	Claude N. Valerius
1977	Austin	David Edward Frazier*
1978	New Orleans	M. Gordon Frey & Leslie W. Bowling*
1979	San Antonio	Peter T. Flawn
1980	Lafayette	Seven Founding Fathers of GCAGS †††
1981	Corpus Christi	W. Armstrong Price
1982	Houston	Rufus J. LeBlanc, Sr.
1983	Jackson	Jules Braunstein*
1984	Shreveport	J. M. Forgotson, Sr. & William M. Plaster
1985	Austin	Lyman Dorgan Toulmin*
1986	Baton Rouge	Harold Veral Andersen
1987	San Antonio	M. O. Turner
1988	New Orleans	Lee Hillard Meltzer
1989	Corpus Christi	William L. Fisher
1990	Lafayette	Frank W. Harrison
1991	Houston	James O. Lewis
1992	Jackson	Frederic Francis Mellen*
1993	Shreveport	C. Lane Sartor
1994	Austin	Don R. Boyd
1995	Baton Rouge	Harold N. Fisk*
1996	San Antonio	Don F. Tobin
1997	New Orleans	Thomas H. Philpott
1998	Corpus Christi	Paul M. Strunk

* Deceased at time dedication was made.

† Paul Livingston Applin, Mrs. Esther Richards Applin, William Clifford Morse, Herman Gunter & Bernard William Blanpied

†† Leslie Bowling (New Orleans), R. W. Eaton (East Texas), Thomas H. Philpott (Shreveport), E. R. Earl (Houston), R. D. Sprague (Mississippi), W. R. Farley (South Louisiana) & W. H. Wallace (Corpus Christi)

††† Phillip R. Allin, Leslie Bowling, A. P. Claudet, W. B. Neal, Thomas Philpott, Francis Stein & D. D. Utterback

Major Industry Sponsors

The companies listed below have graciously supported the Forty-eighth Annual GCAGS Convention. Their generous contributions have allowed the Corpus Christi Geological Society to present a full range of outstanding technical sessions, short courses, field trips, social and sporting events, and an excellent *Transactions* of the meeting.

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Abstracts and Extended Abstracts

* Poster session

Abstracts: 3-D Seismic Papers

Report of the President

Gulf Coast Association of Geological Societies

Robert F. Travis

On behalf of the Corpus Christi Geological Society, I welcome you to Corpus Christi, "The Sparkling City by the Sea." It is our pleasure to host the 48th Annual Convention of the Gulf Coast Association of Geological Societies.

This year's convention theme, "Bridging The Gulf: To New Growth, To The New Millennium," reflects the excitement new technology has brought to geologists. Our 3-D session, focusing on this new technology and excitement, will be the highlight of this year's meeting. A new 3-D case studies book, just completed by Howard Kiatta and his team, will be integrated into the 3-D session.

This year's *Transactions* are dedicated to Paul M. Strunk. Paul has unselfishly given his time and resources to the GCAGS, the AAPG, and other earth science organizations. His willingness to do this is an asset to our profession, and has reflected well on the Corpus Christi Geological Society. Paul, the Corpus Christi Geological Society is proud to have you as a member, and we thank you.

Anyone who has attended a GCAGS convention knows, without being told, that a small army of people had to contribute time and energy to make it successful. I wholeheartedly thank everyone who contributed time and effort to the convention, especially Frank Cornish and Jennifer Prouty who did the technical programs and Virginia Henderson, Kit Price and again Jennifer Prouty, who were the editors. These persons, who unselfishly gave their time, did a great deal of work, and that work resulted in the heart of this convention. I also especially want to mention Gloria Sprague who is General Chairman. Gloria should be used as a role model when people say they don't have time to help run a convention. She not only did her job well, but did it while working as an independent in demanding times. And, as if that were not enough, she was also president of the local society, ran her home, found a new job out of the city, and moved to that city. She did all of these things, and never said she didn't have time to help her fellow geologists. Gloria, we thank you. Also, a special thanks is in order for Don Boyd. Don, who is our Vice Chairman, not only aided Gloria, but he did a great job of improving our contracts with the AAPG.

The local society is not alone when it puts on a convention. It is backed by the GCAGS Convention Committee and members of the Board of Directors. The Convention Committee, headed by Dan Smith, has numerous functions which aid in a successful convention. The Finance Committee, headed by Howard Kiatta, helps with the finances. The other committee chairmen titles don't indicate a direct contribution to the convention, but all of the committee chairmen and board of directors contribute in some degree through their committee work and in discussions held at semi-annual meetings.

The business activities and the general health of the GCAGS are managed by seven committees and our representative to the AAPG Advisory Committee, Peter Gray, who has done an admirable job representing us. The Awards and Nominations Committee, chaired by Dr. James O. Jones, does the difficult job of recognizing outstanding members of GCAGS at our conventions. Under the leadership of Howard Kiatta, the Finance Committee can claim financial good health for the GCAGS. Dave Pope, our Historian, not only performs his job but also helps through discus-

Brian E. Lock
Vice President

Lawrence E. Hoover
Secretary

Daniel J. Neuberger
Treasurer

sion with many of the GCAGS day to day problems. The Long Range Planning Committee, headed by John Amoruso, is an important committee as it studies all suggestions as to what the future direction of the GCAGS might be, and then recommends those that should be followed. The Financial Aid to Students Committee headed by Ralph Richardson had the difficult but enjoyable job of giving GCAGS scholarships to outstanding students. Bob Boyer and his Publication Committee are responsible for the development, sales and storage of all of our publications. All of these committee chairmen and their committee members deserve our thanks and our support. Thank you!

Each year at this time, the GCAGS president reflects on the previous year and realizes that without our Executive Secretary, Birdena Schroeder, the job would have been very difficult. Unlike the rest of the board, which moves on every few years, Birdena stays to provide the necessary continuity and stability in the actions of your board. Her presence and efforts are definitely appreciated by the board. Thank you Birdena.

Finally, I want to thank all of you for being here, for without you there would be no GCAGS. The GCAGS and the CCGS welcomes you and we encourage you to relax, enjoy the papers, learn something, and have fun. This is what our convention is all about.

Report of the President
Gulf Coast Section SEPM

James O. Jones

It is my distinct pleasure to welcome you to Corpus Christi and the 47th Annual Convention of the GCSSEPM and the 48th Annual Meeting of the GCAGS. I know that I speak for all GCSSEPM members in thanking the Corpus Christi Geological Society for hosting this gathering. This is the 47th year that the GCSSEPM has been a major contributor to the success of this meeting. The GCSSEPM covers all scientific aspects of sedimentary rocks and most hydrocarbons are found in these types of rocks, which makes the GCSSEPM a vital contributor to this meeting.

"Bridging The Gulf: To New Growth, To The New Millennium" reflects the challenge of our profession and the optimism of those working the Gulf basin. The oral and poster sessions are outstanding and reflect the significant progress made during the past several years. Numerous field trips and short courses have been chosen to demonstrate these advances, along with others that support various aspects of other geologic activities.

A special thanks to those members who donated many hours to compile the truly outstanding GCSSEPM activities: Jennifer Prouty (Technical Program Chairman and Co-Editor, she also was a major part of the GCAGS team that edited all of the *Transactions* volume), Mike Nault (Vice Chairman and Awards Chairman) and Kit Price (Co-Editor). When you see them around the halls of the convention give them your thanks for a job well done.

On behalf of the GCSEPM members I thank all those members of the local GCAGS Committee who have done such an excellent job of putting together an outstanding convention this year, particularly Bob Travis (President), Lawrence E. Hoover (Secretary), Dan Neuberger (Treasurer), Gloria D. Sprague (General Chairman), Don Boyd (Vice Chairman and General Support) and Frank G. Cornish (Technical Program Chairman). Virginia Henderson, Kit Price and Jennifer Prouty did an outstanding job serving as Editors.

The Gulf Coast Section SEPM Foundation's last research conference was conducted in December 1997. It covered the subjects of "Shallow Marine and Nonmarine Reservoirs, Sequence Stratigraphy, Reservoir Architecture and Production Characteristics". It was well attended and continued our tradition of offering cutting edge research for all geologists. Thanks to Keith W. Shanley of Amoco for serving as Program Chairman and organizer. We appreciate all the scientists that contributed papers and made presentations. 1998 marks the first time since the inception of the conferences in 1980 that one will not be presented. Demanding work schedules would not permit those scientists that wanted to participate to give the time required to conduct a top-notch conference. Therefore, the GCSSEPM Executive Committee and Foundation Board decided that it would be better to not offer the conference this year. Plans are well underway for the next two years and we expect them to again be outstanding conferences. We look forward to seeing you at these research conferences.

Our Section will bestow awards on two distinguished workers in the geology of the Gulf of Mexico. Honorary Membership in GCSSEPM goes to Joel Watkins of Texas A&M University and our Distinguished Service Award goes to Norman C. Rosen of Houston, Texas. Another of our members, Bob F. Perkins, who has

R.P. "Rick" Major
President Elect

Michael W. Center
Vice President

Ron W. Waszczak
Secretary

Michael J. Styzen
Treasurer

Paul Weimer
Past President

served the Section in numerous positions and is the current Executive Director of the GCSSEPM Foundation, was awarded Honorary Membership in SEPM at the Annual AAPG/SEPM Convention in Salt Lake City, Utah. Please give them congratulations when you see them.

As outgoing President I remind all GCSSEPM and GCAGS members that most members of the GCSSEPM are also members of the GCAGS through membership in member societies. As such, most of us are "double dippers". It is obvious that this duality serves to make our Annual Conventions stronger and provides a greater service to each one of us. I hope each one of us remembers that although we may have different organizational perspectives, we all have the same goals. That is, to responsibly and profitably find and extract hydrocarbons for the good of ourselves, these United States of America and the world. This fact demands absolute cooperation and participation without selfishness by any of us.

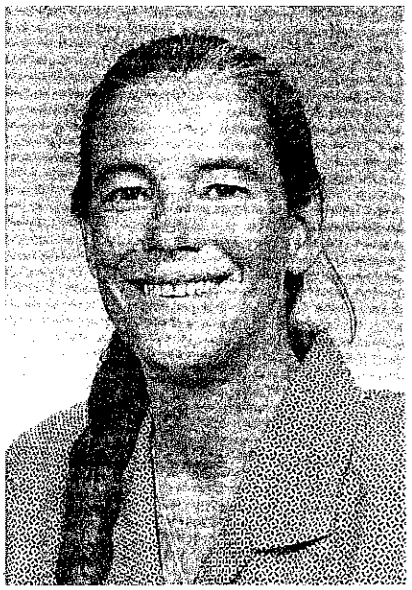
I have had a most unusual year as your President, in that we are not conducting the GCSSEPM Foundation Research Conference. Therefore, we have not had our usual Board meetings in Houston. We met in Salt Lake City and will have our fall meeting at our Annual Meeting here in Corpus Christi. Unless something arises at that meeting to warrant an earlier meeting we will not meet again until our winter meeting in Houston in 1999. Yet, we carried on a rather busy schedule through the many modes of electronics available to us. Conducting the business of the GCSSEPM is a cooperative effort by many individuals. Although the GCSSEPM Foundation is independent of the GCSSEPM the trustees meet with the Executive Committee and contribute their wise counsel. For their support and work we owe a debt of gratitude to Foundation Trustees Denise M. Butler (Chairman), Michael J. Nault and Edward B. Picou, Jr. We are most appreciative of the service and seasoned counsel of Bob F. Perkins, GCSSEPM Foundation Executive Director. Exploring new opportunities for cooperative research conferences has demonstrated the experience and wise management of the Foundation. I have been fortunate and privileged to have worked with a very dynamic Executive Committee this past year: Michael Center (Vice President), Ron Waszczak (Secretary), Mike Styzen (Treasurer), Paul Weimer (Past President), and President Elect Rick Major. I want to thank Paul for being an unusually supportive, active and contributing Past President. We need more like him! I thank all of them for their wise counsel and support. I would welcome the opportunity to work with any of them again.

It has been an honor and a pleasure to have served you as President of the Gulf Coast Section SEPM in 1998.

Report Of The General Chairman

Forty-Eighth Annual Convention - 1998

Gloria D. Sprague



The Corpus Christi Geological Society is pleased to host the 48th Annual GCAGS Convention and the 47th Annual Meeting of GCSSEPM. Welcome to Corpus Christi. This city has long been noted as an oil field town. The ups and downs of the industry have blended with the city's overall charm making this a unique part of Texas. I'm sure you will enjoy your time here. Our theme, Bridging the Gulf: To New Growth, To the New Millennium, characterizes the overall sense of optimism for the future of our industry.

An excellent Technical Program has been assembled which is highlighted by a special session on 3-D seismic case histories. This session consists of several papers from the recently published GCAGS Special Volume, *3-D Seismic Case Histories from the Gulf Coast Basin.* This session will be chaired by Howard Kiatta, who had the original idea for the special volume, and served as Project Chairman. This volume and the session will provide scientific insight into this technology which has become a focus in our industry. Whether you view this technology as valuable, or just another version of black box geology, I am sure this special volume and the special session can provide a learning experience for each of us. To me that is what this convention is all about.

Our Exhibits will encompass a broad array of exploration and geological software and hardware. The Poster Sessions will feature a broad selection of topics that I know you will enjoy. The Prospect Mall promises to be the place where you just might find that perfect deal. After all, this city has always been a noted place for Gulf Coast explorationists and many oil and gas deals have been generated and closed in this lovely town.

The Thursday evening entertainment will feature some of the best of Corpus Christi. With the bridge as the back drop and our beautiful bay front view, it promises to be an evening to remember. There is no better way to renew old acquaintances and meet new ones than with a little rock and roll under the stars!

The field trips and short courses we are offering will allow attendees to benefit from noted industry leaders and perhaps come away with new insight into our science and profession.

It goes without saying that a convention of this magnitude could not have been accomplished without the tireless efforts of many people. This community is blessed with many talented geologists with tremendous work ethics and can-do attitudes. Without their efforts none of this would have been possible. Thank you all.

I would be remiss in not extending a special thanks to Don Boyd. Without him this convention would not have happened. Working with him has reinforced in me that there really are "no problems, only solutions."

Special thanks also go to Frank Cornish and Jennifer Prouty who put together our Technical Program. The organized efforts of Virginia Henderson, Kit Price and Jennifer Prouty, who served as Editors of the *Transactions,* resulted in this fine publication. Thank you.

Randa Reeder Briggs, Jennifer Lindsey, and Dana Patterson Free of the AAPG Convention Department also deserve a special note of thanks. With patience and a sense of humor they helped keep us on track, and I for one sing their praise.

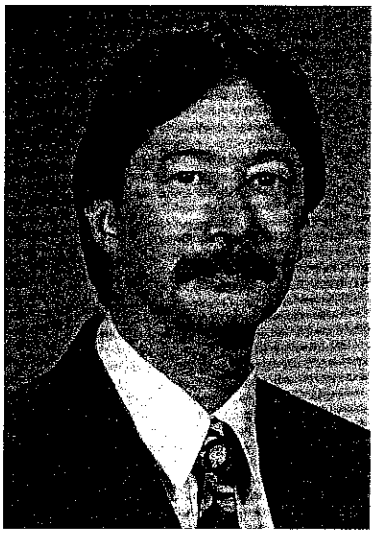
Again, it should be remembered that the low registration fee for this convention does not even come close to covering the cost of putting on the event. I know you will agree you are receiving a great deal of value for your money. Many companies have generously donated money and manpower to insure the success of this meeting. The latest lists of Major Industry Sponsors, Exhibitors, and Advertisers are included in the *Transactions.* Without their support the cost per registrant would be much higher. Please take the time to thank them and patronize them if possible.

Welcome to Corpus Christi. I hope you enjoy our southern hospitality with its tropical twist.

Report of the Technical Program Chairmen

Forty-Eighth Annual Convention - 1998

Frank G. Cornish, GCAGS, and Jennifer S. Prouty, GCSSEPM



Frank G. Cornish, GCAGS
Technical Program Chairman

Jennifer S. Prouty, GCSSEPM
Technical Program Chairman

The theme of this year's convention: "Bridging The Gulf: To New Growth, To The New Millennium," served as the basis for suggesting submittals for our technical sessions. As always, though, the technical program consists of the usual high-quality and varied technical papers that authors were prepared to submit at this time. We were also fortunate to host the initial oral presentations of a series of papers published in the Special Volume, *3-D Seismic Case Histories from the Gulf Coast Basin*, edited by J. L. Allen, T. S. Brown, C. J. John, and C. F. Lobo.

Anyone who has ever undertaken the task of orally presenting or writing a geological paper knows full well the amount of effort and commitment needed to articulate one's thoughts on technical subjects to a wider audience. We thank the authors; without their willingness to share, the technical program (and this volume) would have been impossible.

We are also grateful to our local community of geological professionals who assisted us in bringing this year's convention technical program organization and life. Our Convention General Chair Gloria Sprague deserves special mention. She often took on tasks that perhaps we should have tackled. Her dedication to this convention kept all of us going; she was the glue for the various committees and the motivation for all of us to do a thorough job to make this a successful convention. We also acknowledge the wisdom and guidance of Convention Vice Chair Don Boyd, who greatly enhanced the technical program by suggesting that papers in the special 3-D session volume be included in our program as a special session. Tom Henderson handled all aspects of the Poster Sessions, freeing us to worry about the technical papers.

Finally, the AAPG Convention Department staff was invaluable, aiding us in the drudgery of mailings and pointing out conflicts in our program. Thanks for your patience with us! A convention is a time for true teamwork, and we are grateful for having been a part of this team.

Report of the Editors

Gulf Coast Association of Geological Societies *Transactions* Volume 48, 1998

Jennifer S. Prouty, Katherine H. Price, and Virginia W. Henderson

Jennifer S. Prouty
Editor

Katherine H. Price
Editor

Virginia W. Henderson
Editor

For those who practice Gulf Coast geology, the GCAGS *Transactions* are a unique resource. This annual compendium first published in 1951 records the mutation and diversification (as paleontologists would say) of geologic interests over the decades from petroleum exploration, structural geology, and classic stratigraphy to modern marine processes, computer modeling, and environmental concerns. Today the *Transactions* remain invaluable. The varied papers in each volume share a common focus, the geology of the Gulf of Mexico region, and for this there is no match. We are petroleum geologists, government geologists, consultants, and academics but Gulf geology is our mutual interest and will remain so as long as our local geological societies gather once a year to greet colleagues, swap stories and share findings.

If it is an honor to edit the GCAGS *Transactions*, Volume 48, it was our privilege to work with its many contributors. The job of editing is really one of collecting, organizing, proofreading, and formatting (we could add nagging and disk trouble-shooting). We appreciate the collegial attitude of this year's authors; obviously without their efforts this volume would not exist. This *Transactions* volume is a collection of papers, abstracts, and extended abstracts which were informative and a pleasure to read, and we appreciate that authors met (most of) our deadlines.

We promise diversity. Topics range from depositional and structural models, reservoir modeling, geochemistry, diagenesis, isotope geochronology, coastal processes and hydrogeology, to seafloor vent/seeps, flood control, salt domes, and formal proposal of a new stratigraphic unit. Included also are abstracts on the use of 3-D seismic technology which appear as full papers in a separate volume, 3-D Seismic Case Histories From the Gulf Coast.

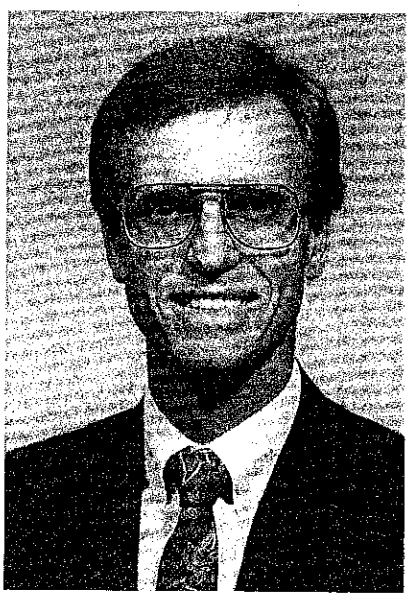
Birdena Schroeder assembled much of the front matter in a well-organized effort. We thank the following professionals and university students who provided careful, thoughtful reviews of manuscripts: Larry Billingsley, Alan Costello, Chris Douglas, Jennifer Elste, Matt Franey, Owen Hopkins, Diane King, Lou Lambiotte, Patrick Nye, Barry Rava, Bob Rice, Michelle Rutan, John Smythe, Fred Van De Graaff, Dee Ann Warren, and Ralph Wynn. Special recognition goes to assistant Stephen Swartz, who proofread and edited massive quantities under tight time constraints, and to Don Boyd, who assisted in final proofreading.

Finally, we recognize the fine work of the friendly and accommodating people at Grunwald Printing, Corpus Christi. Larry Roberts directed general production with patience and good spirits. Charmie Richardson capably oversaw manuscript layout and Martell Speigner beautifully executed the cover design, incorporating a photograph by Virginia Davis of Uvalde, Texas.

Distinguished Service Award

Gulf Coast Association of Geological Societies

Lee T. Billingsley



To be a professional, a person must be active and effective in the discipline, grow in competence through one's lifetime, and serve the profession by voluntary activities that advance its goals and purposes. Lee T. Billingsley is being recognized for these accomplishments through the Distinguished Service Award of the Gulf Coast Association of Geological Societies.

Lee Billingsley began his formal education in geology in the early 1970's at Texas A&M University. He distinguished himself at the University by being named to Who's Who in American Colleges and Universities, an honor that recognizes academic achievement as well as involvement and service within the university community. After graduating from Texas A&M, he studied with Dr. Robert J. Weimer at the Colorado School of Mines. He received his Master of Science degree in geology completing a thesis on the stratigraphy and clay mineralogy of the Trinidad Sandstone. A few years later, Lee returned to Texas A&M to complete a Ph.D. with Dr. Robert R. Berg, writing a dissertation involving the geometry and mechanisms of folding related to growth faulting in the Wilcox Formation, DeWitt County, Texas.

Billingsley's career as a petroleum geologist began in Denver with Tenneco Oil Company where he was responsible for exploration projects in the Rocky Mountains. He later joined American Quasar Petroleum Company in Denver with the primary responsibility for the Big Horn Basin in Wyoming. While completing his Ph.D., Lee worked for Monterrey Petroleum Corporation in College Station and San Antonio. In 1983 he became an independent geologist and in 1985 founded Sandia Oil and Gas Corporation in San Antonio where he currently serves as president.

With a fine record of service in his days as an undergraduate, he continues to serve the geosciences as a professional geologist. Lee is actively involved with the South Texas Geological Society having been secretary, vice-president, and president (1985-86), as well as co-editor of the South Texas Geological Society *Bulletin*. He has chaired the technical program committee of Gulf Coast Association of Geological Societies for two annual conventions. He is also a member of the Society of Independent Earth Scientists and the Independent Petroleum Association of America.

Lee has held leadership roles with the American Association of Petroleum Geologists as Treasurer and on two occasions a member of the House of Delegates. He shared his talent and wisdom with memberships on the Group Insurance Committee, Publication Committee, Convention Coordinating Committee, Investment Committee, and Education Committee. An important contribution was his role in developing the new "E&P Notes" section of the AAPG *Bulletin*. And service continues, Lee is the Vice General Chairman for the AAPG annual convention to be held in San Antonio in 1999. It is easy to see that his willingness to give to his profession is widespread and generous.

While the above documents Lee Billingsley's activities as a petroleum geologist, as a person, he is a warm, friendly, energetic man who loves his work and approaches it with high sense of integrity. When there are things to be done, his name is always at the top of the list because he has demonstrated his talents by past performance. He is an excellent role model for young geologists.

Even though Lee is active in his career, he is extremely devoted to his family. Lee and his wife Joanne and their three children Anne, Michael, and Matthew spend quality time together enjoying the outdoors while camping, hiking, hunting, and fishing. Lee has been active in coaching youth sports; but, spends more time now watching his children participate. Family is very important to the Billingsleys, and Lee balances his life so that he can be a loving husband and father while at the same time pursuing a successful career and giving superior service to his profession.

It is befitting that the GCAGS should bestow its Distinguished Service Award on Lee T. Billingsley. Lee truly meets the standards by his outstanding service to petroleum geology and the profession and by his devotion to family and the community.

Edward C. Roy, Jr.

Distinguished Service Award

Gulf Coast Association of Geological Societies

Richard W. Boebel

This year the GCAGS honors Richard W. Boebel with its Distinguished Service Award for his years of outstanding service to the GCAGS, his devotion to the science of Geology, and his exemplary career as an explorationist. Dick, as he is known throughout the oil and gas industry, arrived in New Orleans, Louisiana in 1950 after receiving a M.S. degree in Geology from the University of Wisconsin. This was the beginning of a lifelong fascination and love for New Orleans where he has lived and practiced petroleum geology since he began his career with Texaco. As a matter of fact, Dick and his wife Jean live in the historical Vieux Carrè on world famous Bourbon Street. While with Texaco, Dick worked in the Houma District which was in the center of the prolific Miocene Trend of South Louisiana. This experience with Texaco in Louisiana's most active area at that time gave him a firm basis for his future development as a skilled "Oil Finder".

Dick left Texaco in 1953 and went to work with Mississippi River Fuel Corp. where he became Division Geologist. Then followed a succession of moves to various companies, which included J. C. Trahan Co. where he served as Vice-President of Exploration, and Oil & Gas Futures, Inc. where he ascended to the Presidency. From 1977 to the present, Dick has had a highly productive and successful career as an independent and consulting geologist. His unique ability to blend the tools of geology and geophysics into exploration has established Dick as one of the most successful explorationists on the Gulf Coast. His efforts during his career have resulted in the discovery of over fifteen new fields both onshore and offshore South Louisiana. Some of the most prolific fields discovered by him include Vermilion Block 16, Ship Shoal Block 45, Hell Hole Bayou, King's Ridge and Bayou Chevrevil. These fields to date have produced over 500 billion cubic feet of natural gas and 25,000,000 barrels of oil. Dick continues to explore enthusiastically and is now involved in integrating subsurface geology and 3-D seismic in search of new opportunities and prospects.

Dick, in spite of his busy schedule, has always been generous with his time and energy he devotes to his profession. His efforts for the GCAGS include the Judges Committee Chairman at the 1962 Convention, Technical Program Chairman at the 1978 Convention, Associate Editor at the 1997 Convention plus judging at a number of other GCAGS Conventions. As Chairman of the Financial Aid to Students Committee for three years, 1988 through 1990, he initiated a computer program to couple the applicants with their achievements, sponsors, and ratings allowing a spread sheet for more efficient judgment of relative values.

He has been an active member of the New Orleans Geological Society since 1950 and his many contributions to that organization led to Honorary Membership in 1992. In addition, Dick has been a member of the AAPG since 1949 and has served on the Research Committee, the Visiting Petroleum Geologist Committee, and has been a Trustee Associate since 1981.

Other professional organizations Dick has been active in are the American Geological Institute and the Society of Independent Earth Scientists. It is obvious from the above record that Dick has served his profession tirelessly and always with distinction.

Richard W. Boebel was born in Madison, Wisconsin on January 21, 1926. He served in the U. S. Army Infantry from 1943-1946 in Europe during World War II. Dick and Jean B. Boebel, his active and accomplished wife, have two children, Richard B. Boebel and Amy Jean Crichton, and four grandchildren. Both Dick and Jean have been extremely active in civic and community projects in New Orleans through the years. Most recently in dedicating their time and energy to improving and preserving the Vieux Carrè in which they live. Dick is an avid reader who has an impressive library in his Bourbon Street home which includes many classic and antique books. He is well informed and knowledgeable about many subjects but in particular history. He has been a guest lecturer for the History Department at the University of New Orleans and serves on the Research Fellowship Program of the History Department of that Institution.

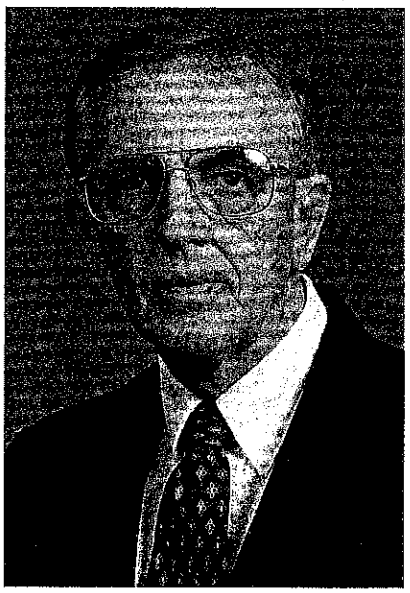
Richard W. Boebel's career is exemplified by his high ethical standards, his skillful exploration techniques, his unstinting devotion to his fellow geologists, and his long term service to the GCAGS and other professional organizations. It is a most fitting and a proper tribute to honor him with the GCAGS Distinguished Service Award.

Frank W. Harrison, Jr.

Distinguished Service Award

Gulf Coast Association of Geological Societies

Walter W. Coppinger



Walter W. Coppinger was born in Youngstown, Ohio in 1942. After receiving the Bachelor of Science degree from Youngstown State University, he went to Miami University in Oxford, Ohio where he received his Master of Science and Ph.D. degrees. Walt's Ph.D. dissertation on the stratigraphy and structure of Belt Supergroup and associated rocks in Montana and Idaho resulted in a long lasting love of Montana that continues today.

While he was completing his work in graduate school, Walt Coppinger started his teaching career in 1972-1973 as an instructor at Kent State University. In 1974 he joined Trinity University as an assistant professor in the Department of Geology. He was promoted to the rank of associate professor in 1980 and to professor in 1986. Walt came to Trinity to teach structural geology and stratigraphy; however, throughout his nearly twenty-five years at Trinity, he has taught numerous introductory and advanced courses on a wide variety of topics.

As a teacher, Walt Coppinger is a dedicated individual who believes deeply in conveying material to his students in a highly organized, rigorous and stimulating manner. His students appreciate the content that he delivers in a style that effectively blends theory with practice. He emphasizes the study of geology in the field, an area in which he has extraordinary talents.

From his graduate school days to now, Walt has been involved in research that ranged from the Precambrian geology of the northern Rocky Mountains to Cretaceous and Tertiary sediments of South Texas. Examples of his publications include the geology of gold deposits in Montana and Nevada, fracture trends in the Austin Chalk, and subsurface stratigraphic studies. Walt has effectively integrated teaching and research by working with undergraduate students on many of his projects. Also, Walt has had the opportunity to apply his geological skills during summers that he consulted for a number of gold mining operations in Montana, Idaho, and Nevada.

Walt served as the chair of the Department of Geology (now Geosciences) for eight years. During this time he demonstrated his effective leadership in management, curriculum development, and ability to shepherd the department through a major renovation of the department's facilities in the Marrs McLean Science Building.

When there was a technical program to be developed for a professional meeting everyone in the San Antonio area looked to Walt Coppinger to do it. He has served three times as the Technical Program Coordinator for an annual AAPG convention, including the 1999 meeting. He has served twice as the Technical Program Chair of the Gulf Coast Section of SEPM. Add to that the editorship of the 1979 GCSSEPM section of the GCAGS *Transactions* and the Field Trip Guidebooks for the 1981 annual meeting of the South-Central Section of the Geological Society of America. In 1981-82, Walt served as president of the South Texas Geological Society. In addition to service to the profession, Walt has also given his time and effort to the community. He served for more than ten years in various capacities with the Alamo Regional Science and Engineering Fair, including the position of fair director in 1981-82.

Walt is a wonderful human being and dedicated family man. His wife Roberta, also a geologist, and their three children Denise, Justine, and Daniel have enjoyed a lifetime of doing things together. They camp, hike, and enjoy fishing on the Texas coast or on a quiet stream in Montana. Walt and Roberta have spent many hours together watching their children perform in the high school band or on the soccer field.

The above biography briefly summarizes some of Walt Coppinger's activities during a long successful career. The thread that ties his active life together is his willingness to devote time to people and to things that make a difference. He is truly worthy of this recognition for his distinguished service as teacher, scholar, and to the profession.

Edward C. Roy, Jr.

Distinguished Service Award

Gulf Coast Association of Geological Societies

Richard N. Hargis

Richard N. Hargis was born in Oklahoma City, Oklahoma in 1930. He attended the University of Oklahoma and received a B.S. in Geological Engineering. His oil and gas geological studies were under V. E. Monnett. Later, Dick was to serve on the University's Advisory Board. Upon graduation, he entered the U. S. Air Force as a 2nd Lieutenant. Dick served a year in Korea and obtained the rank of First Lieutenant.

Dick's career in the Oil and Gas business began in 1954 as an exploration geologist for Amerada Petroleum Corporation in their San Antonio office. He was involved in working the Cretaceous and Wilcox trends of South Texas. Dick became an independent and consulting geologist in 1959 and has remained in San Antonio in this capacity to the present time.

In 1979 Dick formed Stratex Petroleum, Inc. and has specialized in the Carrizo and Wilcox of South Texas. He has been responsible for a number of successful exploration ventures. Dick is well known for his papers relating to the stratigraphy and classification of the Wilcox. Three of these papers have been published in the GCAGS *Transactions*.

Dick has been a member of AAPG since 1954. In 1974 he received a "Certificate of Merit" for his work as Technical Program Chairman of that year's Convention. He has also served the AAPG in the House of Delegates and on various convention committees.

The GCAGS has been the recipient of much work and devotion by Dick. He has served as Registration Chairman of the 1956 Convention, Technical Program Co-Chairman of the 1979 Convention, Audio-Visual Chairman of the 1987 Convention and on numerous other committees.

Dick has been President and Vice-President of the South Texas Geological Society and served as Editor of the Bulletin. In recognition of these and other contributions to the Society, he was designated an Honorary Member in 1987.

Also a member of SIPES, he is the current Chairman of the San Antonio Chapter and past Vice-Chairman.

Dick is married to the former Helen Marshall. They have five children and seven grandchildren.

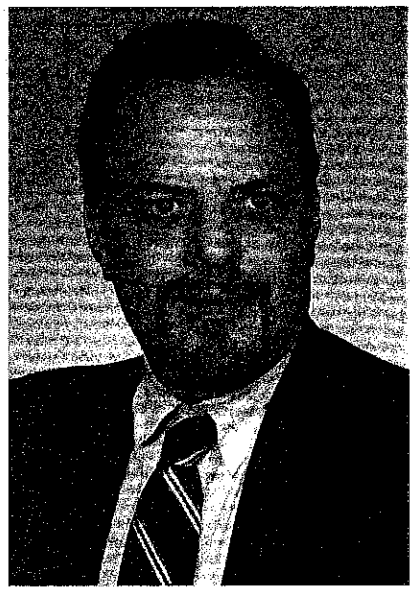
For over 40 years Dick has practiced geology in a very professional manner. He is held in high esteem by his peers and has performed admirably each and every duty that was requested of him by the various organizations with whom he has been associated. Dick has been especially instrumental in increasing our knowledge of the Wilcox formation of South Texas. He always has time to share his knowledge and has been of great assistance in helping others. For his outstanding service and dedication to his profession, he is truly deserving of the Distinguished Service Award.

G. Milton Johnson

Distinguished Service Award

Gulf Coast Section SEPM

Norman C. Rosen



Norman ("Norm") Rosen, consulting geologist, has had a long and fairly active career in exploration and production activities world-wide, but with emphasis on the Gulf Coast basin. During this time, he has provided help for the GCSSEPM Section and Foundation on numerous occasions.

Norm was born in Cleveland, Ohio, on October 8, 1941 (as he puts it: two months later, the Japanese bombed Pearl Harbor). He grew up and stayed in Cleveland until he went to Ohio State University. While in high school, he already started helping groups as track manager and as a stage hand in the drama club. (He was popular with other members, as he was the only one who publicly admitted that he could not act; as he is today, what you see is what you get.) He was also active in Boy Scouts. While a scout, he attended a career conference about geology at what is now Case Western University; the professor made geology sound so bad as a profession, that it made Norm curious as to what he was hiding; besides, he always liked the outdoors. After suffering head aches in chemistry labs, he decided that geology was what he wanted to pursue.

Norm received his B.Sc. in 1963 and his M.Sc. in 1964 from Ohio State University. It was while at Ohio State that he met and married Rashel in 1964. He received his Ph.D. from the Louisiana State University in 1968. Upon graduation, he accepted a position as editor of the Geological Survey of Iran, a United Nation mission. Thus from the beginning, he started editing geological papers and has not stopped since. In 1969, he joined Texaco in New Orleans as an exploration geologist and set up a petrographic laboratory. During the next five years, he examined cuttings and cores from Miocene to Paleozoic, sat wells from the Louisiana swamps to the Florida panhandle, taught a carbonate course, led a delta field trip, and worked on prospects (first two wells came in) and regional studies. In 1974, he joined Deminex-Iran Oil Company as chief geologist and spent the next four years prospecting in Iran. He was part of a team that brought in a 4 billion barrel oil field; what he remembers most is being out at the well site when a 6000 bopd well was tested.

In 1978, he returned to the United States and joined Tenneco's Frontier Project. During this time, he worked the east coast from Georges Bank to the Bahamas, the Appalachians, and the Michigan basin. In 1981, he joined Robertson Research (U.S.) and in 1983, Sohio (now BP Exploration). During this time, he worked eastern Gulf lease sales, served as Division Geologist, and was leader of more regional studies than he can remember. A consultant since 1991, he has done regional studies in Colombia, Poland, South Louisiana, South Texas, and the offshore Gulf of Mexico.

Norm first helped the Section as an assistant editor to the *Transactions* in 1982. He also served as GCSSEPM Editor for the 1991 and 1993 *Transactions*; in the 1991 *Transactions*, he published the first set of guidelines for *Transactions* articles. In 1991, he also served as Poster Chairman for the GCSSEPM Foundation Research Conference on Coastal Depositional Systems in the Gulf of Mexico. In 1992, he was on the program advisory committee for the GCSSEPM Foundation Research Conference on Mesozoic and Early Cenozoic Development of the Gulf of Mexico and Caribbean Region. This year (1998), he is serving co-chairman of GCSSEPM Session "Gulf of Mexico Basin: Sequences and Hydrocarbons" at the GCAGS Convention in Corpus Christi. Three years ago, Norm designed and set up the GCSSEPM Section/Foundation website (http://www.gcssepm.org) and has served as web master since then. As a result of this work, the Gulf Coast Section SEPM and the GCSSEPM Foundation are now much better known around the world than before. Norm will serve as Treasurer for the GCSSEPM in 1999 and 2000.

It is a pleasure for me, his wife of thirty-something years, to write this brief summary about him. Norm has always liked to be in the background and not in the limelight. With this 1998 GCSSEPM Distinguished Service Award, it is now time to share some of Norm's contributions to the section and geology with his friends.

Rashel N. Rosen

Past Recipients
Distinguished Service Awards
Gulf Coast Association of Geological Societies

R. E. Boyer (1982)
P. B. Souders (1982)
B. C. Tucker (1982)
none awarded (1983)
A. T. Green, Jr. (1984)
Dewitt C. Van Siclen (1984)
C. E. Harrison (1985)
Raymond W. Stephens (1985)
none awarded (1986)
none awarded (1987)
none awarded (1988)
H. G. Collier, Jr. (1989)
R. B. Seigert (1989)
C. J. Corona (1990)
R. W. Sabaté (1990)
C. C. Baker (1991)
G. A. "Jerry" Cooley (1991)
S. Chuber (1991)
C. R. Noll (1992)
J. H. Hefner (1992)
J. G. Samuels (1992)
T. E. Ewing (1993)
W. R. Payne (1993)
E. G. Wermund (1993)
D. L. Smith (1993)
D. E. Pope (1994)
D. Goldthwaite (1995)
H. W. Kiatta (1995)
C. C. Christina (1996)
M. R. Douglas (1997)
J. C. Langford (1997)
L. T. Billingsley (1998)
R. W. Boebel (1998)
W. W. Coppinger (1998)
R. N. Hargis (1998)

Past Recipients
Distinguished Service Awards
Gulf Coast Section SEPM

M. J. Nault (1988)
R. P. Zingula (1988)
T. H. Fett (1989)
D. Joseph Greig (1989)
B. F. Perkins (1991)
S. C. Barnette (1992)
C. C. Albers (1993)
D. T. Dockery III (1993)
N. G. Shaw (1994)
A. S. Waterman (1995)
D. M. Butler-Ford (1996)
E. B. Picou, Jr. (1997)
B. R. Weise (1997)
N. C. Rosen (1998)

Honorary Membership

Gulf Coast Association of Geological Societies

Stewart Chuber

One often wonders who the true Titans are in our modern world. Such identity is all the more complex in the confusing era of social and political transformation, of rapid scientific accomplishment, and of diversity of speciality. But fortunately it is easy to recognize a true Prometheus in our geological midst, one who has literally and almost figuratively given the classical "fire" to the geological mind. And in West and South Texas at that! It is Stewart Chuber.

It is easy to get ahead of the story in Stew's case. But he is truly a man of many places, a man of unselfish service, a man of many unique and original concepts, ... of ... dreams ...even. And best of all, he is every man's friend!

Very early on, Stewart somehow escaped from that glacial paradise called Long Island, New York. History is a little unclear whether he wearied of neighbors, of opportunity, or recognized the inherent limitations of glacial moraines. He found his way, however, to Colorado, where he took up the collegiate study of geological engineering in the early days of western pioneering. How he made that enlightened decision is still obscure. He ran headlong into the Eisenhower jackets of the WWII vets in graduate school at "Mines". Even with that degree in hand, many of us still today have to advise him what constitutes a humanities course! Just joking Stew. Along with the crowd, it was time for Stew to earn some "bread". But those of us old enough to remember will recall how the job market was in those days. Mobil Oil was an international giant, but not overly active domestically, so when Stewart came into their international operations he was shipped off to Libya, to begin three years of surface mapping.

From the lofty rank of Libyan party chief, Stewart saw the light, returned to America, and proceeded out to Stanford University where he suffered through the dogma of pre-plate tectonics and the bewildering stratigraphy of the continental margin. Notwithstanding this radical training, Mobil continued its beneficence and kept him working in their Sacramento and Bakersfield offices. Truly courageous at this point, he had now spanned the continent from New York to California and in 1961 emerged with a doctoral degree in hand. He also had another "hand", that of a smart young lady named Anne Riggs, who knew the right buttons to push. This liaison must have been designed to bring him down to earth.

At this point, society suddenly awoke to recognize a true budding talent. Stanford pedigrees are not easy to come by. His literary efforts were also launched at this time, and now, after some thirty professional papers, his creative outpourings continue unabated. In these early days he chronicled his collegiate and field studies of the Cretaceous in Northern California.

Stewart began his new post-grad era with five years of subsurface geology for Franco Western Oil Company, during which he made the big leap from Bakersfield to Midland, Texas. In 1965 he cut himself free and became a consultant. This independence gave Stewart an early taste of business opportunities and their perils. In Midland, he developed a life-long friendship with his geologic soul-partner, Jack Elam and they initiated early documentation of cyclic sedimentation of Pennsylvanian and Permian age in the Permian Basin with two definitive papers. Later he expanded descriptions of reservoir development and petroleum compositions of these strata, first with Walter Pusey and later with Elton Rodgers.

Flushed with literary if not monetary success, Stewart began to take on central and South Texas! He slipped on the corporate employee yolk for the last time, moving to Houston to become Division Geologist for Buttes Gas & Oil Company. Those California and Rockies roots diehard! There are other intermediate interludes of note, including a stint as Vice-President of Exploration with Five Resources, Inc. There was also more consulting, but it was finally in 1974 that we encounter for the first time the Stewart Chuber that many, perhaps most, of us have come to know and for each of us to trust and appreciate, indeed relish.

Stewart, from this point on, has tackled just about every avenue of professional, business, societal, literary, and public service that it is possible for one to undertake. No further detailed chronologic record can be recorded here. It would be a monstrous task, and the list of co-workers, co-authors, clients and lay admirers would fill a book! Early on, in this long and currently continuing phase, he moved to Schulenburg, Texas, formed his two permanent companies, Fayette Exploration and Mascot Oil. He has zealously drilled for oil and gas in South Texas, and written most of his own and co-authored formal papers on the subsurface geology and reservoirs in several counties of South Texas. He also took time to become a stalwart of his chosen city through participation and leadership in the Boy Scouts, Lions Club, Episcopal Church, and political groups.

I have had my own memorable encounters through the years. The happy face and eager countenance, always optimistic, and

always ready to serve and more importantly, ... advise and lead. That intense technician of petroleum science, that effervescent person who invited me to meet with several "hoods" in the guise of petroleum geologists, who were cowering in the pitch black haze at a table behind a bar in a local hotel formulating the installation of the San Antonio SIPES Chapter.

However, it is with education, both professional and societal, that Stewart shines with distinction. Here at last we get at the heart of Stewart Chuber. The list of service is awesome. It can only be characterized, not recounted. He has lectured across the country, developed short courses and seminars, sat on and headed up continuing education committees, served as judge for poster sessions and as chairman for awards. Even now he is putting together another training seminar dealing with the latest technology and interpretation of 3-D geophysics by bringing Houston talent to San Antonio. I personally know, and have been persuaded to contribute to the latest of his plans. That of his teaching an introductory geology course for community college students (and probably others) in Fayette County! The man just will not quit!

So this "kid" from New York, by way of California, has come to tease petroleum from the Wilcox and the Frio, cajole his friends in SIPES, STGS, AAPG WTGS, and last but far from least the Gulf Coast Association of Geological Societies. Has come to intimidate his peers in high societal office, and the politicians at the state and federal level. And we will be the first to agree to help him.

It is time to pay allegiance. More and more pages of bonafide accolades still will not suffice. He has already passed one milestone by receiving our Distinguished Service Award. So, what is this new and greater honor? It is the GCAGS' most distinguished award. Honorary Membership for service and devotion, largely above and beyond the call of duty, to the science and profession of geology, the industry, and above all to the Gulf Coast Association of Geological Societies.

So, my good friend Stewart, my hat is off, our hats are off! You've earned it.

Perry Roehl

Honorary Membership

Gulf Coast Association of Geological Societies

John C. "Jack" Langford

John C. "Jack" Langford's appointment to Honorary Membership in the Gulf Coast Association of Geological Societies is a fitting capstone to a distinguished career spanning more than four decades. His service to the New Orleans Geological Society, to the Gulf Coast Association of Geological Societies, and to the petroleum industry is exemplary for all.

Mr. Langford joined the New Orleans Geological Society as an active member in 1958. True to his personality, he immediately volunteered his time and services to the organization. Through the years he has chaired many of the Society's committees, served as Treasurer, Vice President, President Elect, and President. He received the Society's Outstanding Service Award in 1987, and in 1993 he was awarded Honorary Life Membership. Jack's love of a challenge, while serving as Membership Chairman in 1987-1988, prompted him to mount an aggressive drive for new members. Even though the industry at that time was experiencing a downturn, his drive resulted in increasing the membership to an all-time high of more than 1500 members. At the same time, Jack undertook the publication of the 1988 Membership Photo Directory. He could be seen all over the city personally taking photos of members—not wanting anyone to be a "no-show" in the Directory.

In 1991 the New Orleans Geological Society celebrated its 50th Anniversary. Jack, who served as President in 1991-1992, seized every opportunity to make it a special year for the Society. In order to make the Golden Anniversary edition of the Membership Directory special, Jack selected from past editions of the NOGS LOG many historical photos chronicling events and people through the years. Another innovation, which is now an entrenched tradition, Jack conceived and held the first Past President's Luncheon. At this luncheon former presidents are provided detailed information on the current status of the organization.

As with NOGS, Mr. Langford has provided outstanding and innovative service to the Gulf Coast Association of Geological Societies. Jack served as Entertainment Chairman for the 1971 GCAGS Convention, as Publicity Chairman for the 1988 Convention, and most recently as General Chairman of the 1997 Convention, all hosted by NOGS. In every way, his leadership for the 1997 Convention was outstanding. His attention to detail and to the budget was constant. Jack's organizational and management skills played an important role in the success of the Convention. Once the Convention team was in place, he expected everyone to perform their duties on their own, but he was always there for immediate consultation and help. Much to his desire, he wanted to and was successful in making the convention have a certain pizzazz — making it a truly memorable event for everyone who attended. Again, it was his personal attention to details that made it happen.

Mr. Langford was born in Algiers, Louisiana. From 1945-1949 he served in the United States Navy and then entered Louisiana State University where he received a B.S. degree in Petroleum Engineering in 1953.

Jack's professional career began with employment by Subsurface Evaluation Company from 1953 to 1963 when he founded Langford and Meredith Laboratories. In 1973 Langford and Meredith-Hycalog Well Logging were merged into The Analysts. Owing to the recent exploration successes in the North Sea, Jack recommended the company open a European operating office. Jack served as The Analysts' Managing Director for the North Sea sector based in London where he managed the company's Eastern Hemisphere operations from 1973-1977. In 1977 he and his family relocated to Houston where he took on the duties of General Manager for Frontier, Canada, Central America and South America.

In 1985 Jack returned to New Orleans and formed JCL Services and continues to operate as a consultant to the industry.

After reading of his extensive professional activities one might wonder if Jack's volunteer efforts were all directed towards his professional societies. Not so! Being the volunteer activist he is, he has contributed significant time and effort to civic and religious organizations. He managed and supervised for two years a Kiwanis-New Orleans summer camp for underprivileged youth. Later, he served as Vice President and President of the organization. For three years he was a member of the Governing School Board of St. Charles Catholic High School, and has been a Trustee and a past Chairman of the Administrative Board of St. Charles Methodist Church.

Jack is a devoted family man. He and his wife, the former Beverly Mahoney, have raised three wonderful children—all daughters—Susan, Karen and Beverly Anne. To date, they have four equally wonderful grandchildren.

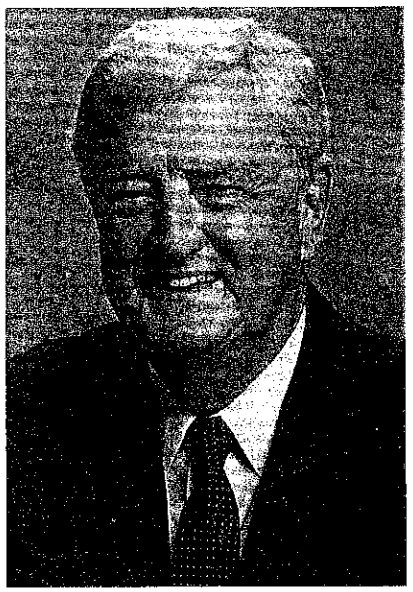
In recognition for his outstanding and innovative services for the New Orleans Geological Society, the GCAGS and civic organizations, receiving the Honorary Membership Award in the GCAGS is indeed a fitting capstone for his many years of service.

Edward B. Picou, Jr.

Honorary Membership

Gulf Coast Association of Geological Societies

Raymond W. Stephens, Jr.



A good teacher is a rare and precious thing. Raymond W. Stephens, Jr. is the "type section" of a great teacher. Ask a fellow geologist what made him decide on the earth as a career and you will hear one of the following: I have collected rocks and minerals since I was a child; I have always been fascinated by mountains and dinosaurs; I took Dr. Stephens' freshman geology class as an elective.

Teaching comes second nature to Ray. He was born in Marietta, Georgia, the only child of Alice and "Mutt" Stephens. His mother was a schoolteacher and his father was a principal/coach. From his mother, he learned the discipline of teaching. His star-athlete father taught him the joy of nearly every outdoor sport. When he was young, he moved often with his parents. As a result, he mastered the art of making new friends and that ability still serves him well.

Upon graduation from high school, Ray enrolled at the University of Georgia. After two quarters, he left college to enlist in the Navy at the age of seventeen. He served during the tail end of WWII in the Bureau of Naval Personnel, Washington, D.C. After serving in the Navy, Ray returned to college at the University of Georgia. A friend suggested that they enroll in the new geology program that the university was offering. After graduating with a B.S. in geology, Ray was called to serve in the Korean War. Before reporting for duty, Ray married his college sweetheart, Julia Ellen Askew, the daughter of a University of Georgia professor. He served in the U.S. Air Force as the commanding Officer of an Early Warning Radar Base in Alaska.

Ray fulfilled his duty in the Air Force and enrolled as a Master of Science candidate in the Geology Department at L.S.U. He received his M.S. in 1956 and Ph.D. in 1960. During his stay at L.S.U., Ray studied under some of the finest geological minds in the academic world. Those were the days of the "Golden Age of Gulf Coast Geology". He also received his first exposure to teaching when he was instructor/manager of the L.S.U. geology field camp.

Shell Oil Company was Ray's first employer after graduating from L.S.U. His six years at Shell were a time of personal and professional growth. He joined Pubco Petroleum as a district Geologist in 1966, but the lure of the academic world came calling. Ray joined the faculty of the young Louisiana State University in New Orleans Geology Department in 1969. Ray rose through the ranks to become Professor and served two years as Assistant Dean of the College of Sciences. It was during his teaching days at The University of New Orleans that Ray developed an innovative course in Subsurface Geological Methods. This course enabled students to apply the academic principles of geology to the real world problems of oil and gas exploration. In every class he taught, Ray brought a special blend of technical expertise coupled with an engaging personality of wit and charm.

In 1981, Ray returned to the oil industry full time. From 1981 to 1988 he successfully managed a dual career of independent geologist and consulting professor. Ray retired from U.N.O. in 1990 and was named Professor Emeritus that same year.

In 1988, Ray joined Governor Romer's Cabinet as Secretary of the Department of Natural Resources in Baton Rouge. He also was elected Chairman of the Mineral Board, the first person in Louisiana to serve in this dual role. After government service, he returned to industry where he is currently applying his interpretive skills in the review of large 3-D seismic surveys. In a unique career, Ray has been successfully involved in three different aspects of the geology profession: industry; academia; and government.

Ray joined the New Orleans Geological Society in 1966 and became First Vice President of NOGS in 1969, Program Chairman of the Annual Meeting of the Gulf Coast Association of Geological Societies in 1971, President of NOGS in 1973, and President of GCAGS in 1977-78. Ray was awarded the Distinguished Service Award by GCAGS in 1985 and made an Honorary Life Member of NOGS in 1990. He joined AAPG in 1965 and has been actively involved as a delegate, section officer and committee member. Ray is a member of the Society of Independent Professional Earth Scientists.

Family has always been an important source of support for Ray. After his first wife died in 1975, he raised his two children, Steve and Amy, and at the same time managed a diverse and demanding career. Ray and Loretta Babst were married in 1982. Retta has added the stability that comes from a wonderful partner and she is equally adept at the role of mother and grandmother.

The example Ray has set for us all is possibly his greatest teaching accomplishment. He has led a life of unsurpassed personal character and professional integrity. Presenting Ray Stephens with Honorary Membership reflects great credit on the Gulf Coast Association of Geological Societies.

Jack M. Thorson

Honorary Membership

Gulf Coast Association of Geological Societies

James Lee Wilson

James Lee Wilson is one of the most distinguished and well-known members of GCAGS. He is internationally recognized as an authority on carbonate stratigraphy. His 1975 book, *Carbonate Facies in Geologic History,* continues to be the standard text on carbonate lithofacies, and it has been published in foreign languages such as Chinese and Russian. Jim was one of the first to recognize the meaning and usefulness of sedimentary cycles in carbonate rocks, and his early work on carbonate build up and cyclicity was the foundation for many of the principles of carbonate sequence stratigraphy. It is a surprise for many younger stratigraphers today to realize how many "new" concepts were mentioned in Wilson's book.

Jim Wilson is a native Texan, born in Waxahachie and raised in Houston. By the time he was 12 or 13 years old, Jim began to read about geology. He also began to get early "field experience" in the mid and late 1930's when his father took Jim and his younger brother on fishing trips to remote parts of Texas and northern Mexico. Jim was more interested in nature than in fishing and always spent time looking at the rocks. Following high school, he entered Rice University and maintained his interest in the geologic sciences. After a couple of years, he transferred to The University of Texas so he could get a degree in geology. In 1941 he had his first real geologic field experience when he served as a field assistant to University of Michigan Professor Louis Kellum, who was studying the Mesozoic geology in the mountains of northeastern Mexico. This began an interest in the Mesozoic geology of Mexico that Jim still pursues today.

After earning a master's in geology at The University of Texas and while waiting to be drafted into the army, Jim did field work in the Rocky Mountains and Oklahoma for Carter Oil company during 1943-1944. Part of this field work took him to Billings, Montana, where he met beautiful Della Moore, the girl he would marry the next year. Following his two years in the US Army Engineers, Jim and Dell moved to Yale University, where he earned a Ph.D. in Geology. At that time his chief interests were in paleontology, and he was intent on becoming a trilobite specialist. He pursued his paleontology interests after he graduated from Yale in 1949 and took a job as Associate Professor in the Geology Department at the University of Texas. During this time, he spent summers in the Marathon Basin of West Texas and at The University of Texas field camp in the Llano Uplift area.

In 1952 Jim went to work for the recently established Shell Development Research Laboratory in Houston. He was among the original group which accomplished innovative studies that were to make a widespread and long-lasting impact on the fields of stratigraphy and sedimentation. In this job, Jim participated in some new and exciting studies on modern and ancient carbonate sedimentation, and gradually his main interest turned from paleontology to carbonate petrology and stratigraphy.

By this time Jim and Dell had a happy family of three active boys, James Lee Jr., Burney, and Dale. In 1961 the whole family moved to the Netherlands when Jim was transferred to the Hague to help set up a research program at the newly constructed KSEP Laboratory at Rijswijk. Most of this research centered on Mesozoic carbonate rocks of the Middle East and involved four long expeditions to the Middle East and North Africa. The Wilsons moved back to Houston in 1964, and Jim wrote company reports on his earlier field work in New Mexico. Later journal publications of this work stand out today as classics in the study of cyclic sedimentation and stratigraphy in carbonate rocks. During this time, Jim also was teaching a few courses at Rice University, and in the fall of 1966 Jim left Shell to join the faculty at Rice.

Jim Wilson was a popular professor and always had more than his share of graduate students, most of whom studied carbonate sediments and rocks in many places around the world. He is in his element as a teacher, and he has an uncanny knack for guiding without dominating, thus allowing his students to be creative. Fortunately for students, Jim's most exemplary trait is tolerance, and he never fails to emphasize the good in other people. In many ways Jim shared his job at Rice with Dell. She typed manuscripts, helped him schedule field trips, helped counsel grad students, cut the hair of unkempt students, and generally made herself part of a team that made Jim's years at Rice so successful. That partnership continues today.

Jim was awarded the Weiss Chair of Geology in 1972, and he was appointed Chairman of the Geology Department in 1974. During his years on the Rice faculty, Jim also was a visiting professor at the University of Calgary and a Fullbright Scholar at the University of Munich. Jim and Dell moved to Ann Arbor, Michigan, in 1979 to join the geology faculty at the University of Michigan. Many of Jim Wilson's former students are leaders in geology today, both in the petroleum industry and in academia. Jim

retired from university duties in 1985 and moved to New Braunfels, Texas, where he still lives today. He presently is Professor Emeritus at the University of Michigan and Adjunct Professor at Rice University. In his "retirement", Jim continues to be quite active in geologic consulting and in leading field trips for petroleum companies, geologic societies, and universities. He also continues to provide strong and loving support for his sons and grandchildren.

Jim Wilson served as President of SEPM in 1975. He holds honorary memberships in the AAPG, SEPM, South Texas Geological Society, and West Texas Geological Society, and is a Fellow of the GSA. In addition, Jim was given the SEPM Twenhofel Award in 1990 and the AAPG Distinguished Educator Award in 1995. SEPM also gave him special recognition in 1995 by establishing the James Lee Wilson Young Scientists Recognition Award.

Through his university and petroleum-company careers, his book and other publications, and his many field trips for professional societies and industry, Jim Wilson has had, and continues to have, a profound influence on many Gulf coast geologists. James Lee Wilson's scientific achievement and high standards of personal conduct have brought very favorable and far-reaching recognition to the Gulf Coast geologic community. Honorary Membership in the GCAGS is highly appropriate.

W. C. Ward

Past Recipients
Honorary Membership
Gulf Coast Association of Geological Societies

D. R. Boyd (1982)

J. Braunstein (1982)

M. T. Halbouty (1982)

F. W. Harrison, Jr. (1982)

H. N. Hickey (1982)

L. H. Meltzer (1982)

S. J. Lysinger (1983)

J. O. Lewis (1983)

E. C. Roy, Jr. (1983)

F. L. Smith, Jr. (1983)

P. M. Strunk (1983)

R. J. LeBlanc, Sr. (1984)

W. R. Paine (1984)

M. O. Turner (1984)

W. L. Fisher (1986)

C. L. Sartor (1986)

J. J. Amoruso (1987)

W. L. Stapp (1988)

J. A. Gilreath (1989)

R. E. Boyer (1990)

J. A. Hartman (1990)

T. H. Philpott (1990)

none awarded (1991)

none awarded (1992)

G. A. Cooley (1993)

M. G. Frey (1993)

P. G. Gray (1993)

J. T. Palmer (1993)

T. D. Barber (1994)

D. F. Tobin (1994)

E. B. Picou, Jr. (1995)

G. D. Severson (1996)

A. H. Bouma (1997)

C. C. Christina (1997)

D. Pope (1997)

D. Smith (1997)

S. Chuber (1998)

J. C. Langford (1998)

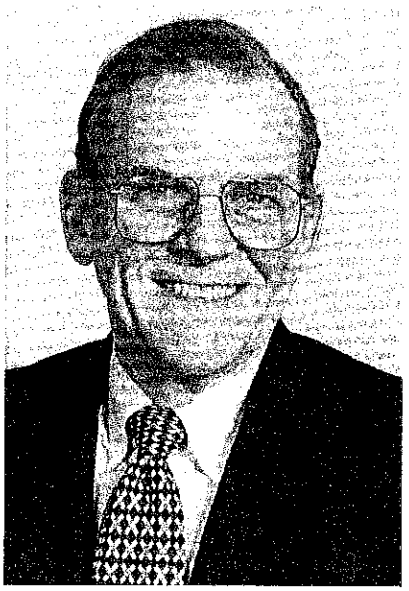
R. W. Stephens, Jr. (1998)

J. Lee Wilson (1998)

Honorary Membership

Gulf Coast Section SEPM

Joel S. Watkins



For over forty years, Joel S. Watkins has contributed to the geosciences as a researcher, administrator, and mentor. He has moved with ease through the professional ranks of government, business, and academia, and few individuals have had professional careers as varied as his. Joel's studies of continental margins are extensive and aspects of Gulf of Mexico passive margins have been a recurrent theme throughout his career.

Joel's formal education in the geosciences began at the University of North Carolina at Chapel Hill where he received a B.A. in Geology in 1953. After a three-year stint in the U.S. Marine Corps, Joel began his graduate studies at the University of Wisconsin from 1956-58 (including time as a research scientist at Woods Hole Oceanographic Institute in 1957). He ultimately ended up at the University of Texas where he received a Ph.D. in Geology in 1961. His dissertation research consisted of collecting and interpreting gravity and magnetic data from the buried Ouachita Fold Belt between Waco and the Big Bend area of Texas. Results from his Ph.D. research were published in a *Transactions* volume of the GCAGS, but this was about as close as Joel would get to the Gulf of Mexico for some time while his research interests literally took him 'to other worlds.'

After obtaining his Ph.D., Joel joined the USGS and stayed with them until 1966. While at the USGS, he switched from potential field studies to seismic work and became directly involved in NASA's Apollo program. Joel trained Apollo astronauts in geophysical techniques and, along with Bob Kovach of Stanford, co-designed the explosion seismic experiments and instrumentation that went to the moon on Apollo missions 14, 15, and 17. This work provided important information about the lunar crust and lunar regolith, and Joel received the NASA Medal for Exceptional Scientific Achievement for it. He also received a special commendation from the Geological Society of America for his role in the astronaut-training program.

Joel returned to academia in 1966 by taking a post-doc position at MIT. While at MIT, he continued his work on lunar problems and also got involved with Fourier theory; this proved to be useful a few years later when he shifted from seismic refraction to seismic reflection work. After a year at MIT, Joel was hired as an Associate Professor at the University of North Carolina, Chapel Hill in 1967. Although Apollo work kept Joel busy, he began to explore marine geophysics. With a shoestring budget, he was able to make cruises to Bermuda and Barbados. But in December 1972, a career change was again due as Joel agreed to join Maurice 'Doc' Ewing and a group of Lamont-Doherty scientists in an effort to organize a marine geophysical laboratory in Galveston, Texas.

The early days at the University of Texas Marine Science Institute Geophysical Laboratory (as it was known then) were also exhilarating times. Texaco, Geophysical Services, Inc. and others donated multichannel seismic recorders and streamers to the lab. Doc Ewing raised enough money for a vessel and the RV Ida Green arrived in Spring 1973. Joel's first cruise in the Gulf of Mexico was a shakedown cruise on the Ida Green. Early on, Doc Ewing also had Joel write a NSF proposal for a multichannel reconnaissance survey in the western Gulf. The proposal was funded and led to a cruise in Summer 1974. In the meantime, J. Lamar (Joe) Worzel, the deputy director of the lab, got thirty days of ship time on Texas A&M's RV ALAMINOS to survey the Sigsbee Escarpment. Although its general location was known, the precise position of the escarpment was unclear because these were days before modern satellite navigation systems.

The Galveston group installed a satellite navigation system on the ALAMINOS, along with a single-channel analog seismic system and a 40 in^3 airgun, and took off for the Sigsbee Escarpment. Joel again found himself exploring vast, unknown reaches, but this time, the unexplored regions were only 300-400 km offshore from the Texas coastline! Every time the Galveston group put out the streamer, they discovered a new geologic structure or seafloor feature. During this cruise, they discovered and named the Perdido Escarpment, Perdido Canyon, Green Knoll and Green Canyon. They also discovered and mapped parts of the Perdido and Mississippi Fan Foldbelts although the resolution of their analog system was not good enough to reveal the internal structure of these features.

By late 1973, the Galveston group had scrounged enough money to launch their first multichannel cruise. It was a short cruise: they ran two lines across the Sigsbee Escarpment in an effort to image reflectors below the salt and one line parallel to the scarp. Little was known of the deep Gulf of Mexico at this time and many geoscientists were skeptical of suggestions that the escarpment was underlain by salt. Ewing assigned Joel to the multichannel project and with help from Exxon, the data were processed. The interval velocities showed the salt that underlies the Sigsbee Escarpment.

In mid-1974, Joel's NSF project began in the western Gulf of Mexico. Six weeks were spent in the western Gulf running multichannel lines. These data allowed a number of DSDP holes off the

Yucatan Peninsula to be tied, including Hole 2 in the caprock of Challenger Knoll, Hole 90 in the west-central Gulf, Hole 91 from the eastern Mexican slope and shelf, and others from offshore Yucatan. The cruise also ran two lines through the Bay of Campeche. These results showed that the eastern Bay of Campeche, like the Texas-Louisiana slope, was underlain by salt. Joel and his coworkers located a large north-trending fault that marked the western edge of the salt, and after processing the data, they also identified the master thrust fault that underlies the Mexican Ridges. Between Yucatan and Challenger Knoll, the seismic data clearly showed salt overlying synrift sediments. These seismic profiles from around the Gulf of Mexico also provided early glimpses of the prominent unconformity that Dick Buffler and DSDP shipmates later determined to be of mid-Cretaceous age.

In 1975, the University of Texas in Austin took over the Galveston lab. Everyone was later moved to Austin where they formed the nucleus of what is now the UT Institute for Geophysics.

Rising oil prices and a resurgence of the oil industry in the mid-1970's provided Joel with an opportunity to become Director of the Frontier Basin Section at Gulf Research and Development Company in 1977. Gulf had a research vessel, the Gulfrex, which collected data from continental margins around the world. Joel organized a small group to look at frontier basins. One of their first projects was to map northern Gulf of Mexico slope basins and evaluate their petroleum potential. After two years, Joel was transferred to the main Gulf lab in Harmarville, PA where he became a full-time paper-pusher.

Joel endured the paper cuts and still managed to keep his research interests in the Gulf of Mexico. In 1982, he was co-author of a paper by D.J. Hall and others, which suggested that the pole of rotation for the opening of the Gulf of Mexico was in southern Mexico. It is important to keep the record straight here, because Joel was also co-author on an earlier paper by Dick Buffler and others where it was argued the pole of rotation was located northeast of the Gulf of Mexico. No matter what happened, Joel could say that he was right!

In 1981, Joel became Gulf's first deep-water exploration manager. He was responsible for the 'eastern U.S. frontier,' which consisted of the Atlantic margin, the eastern Gulf of Mexico and the Texas-Louisiana slope. Joel's group generated many deep-water prospects, but he was transferred again before any could be drilled; several of these prospects led to later discoveries. In 1983, Joel was named Vice President for Exploration Research and the stack of paper grew exponentially. Thanks to Chevron, however, this state of affairs did not last long and Joel took early retirement in the summer of 1985.

At Michel Halbouty's insistence, Joel soon had a meeting with Mel Friedman, the Dean of the College of Geosciences at Texas A&M. This meeting led to Joel joining the Department of Oceanography in Fall 1985. In 1987, he was named E.F. Cook Professor of Geosciences. It was also in 1987 that Joel, Bill Bryant (TAMU), and Dick Buffler (UT-Austin) began their collaborative 'Gulf of Mexico Structural and Stratigraphic Synthesis' project. The major objective of this ambitious project was to map the northern Gulf of Mexico. Over twenty graduate theses and dissertations, more than 40 oral presentations, over twenty papers (with several still in the pipeline), and a 1996 Special Publication of the GCAGS resulted from this project. The special publication included a structure map of the entire northern Gulf that is based on over 100,000 miles of seismic, data from over 2,000 wells, and 23 detailed nannofossil studies done at TAMU.

Joel served as Head of the Department of Geophysics at TAMU from 1988-93. This was a time of great transition within the department, which merged with the Department of Geology in September 1993. Since stepping down from the ranks of academic administration, Joel has devoted his efforts to teaching and research. Joel's current research focuses on integrated, multidisciplinary investigations of petroleum reservoirs. Two papers related to studies on Ship Shoal blocks 274-293 will be published in the 1998 GCAGS *Transactions* volume.

In addition to his extensive scientific and professional accomplishments, Joel is a member of and has served on numerous committees of the AAPG, SEG, GSA, Ocean Drilling Program, and federal, state and private organizations.

Joel Watkins' career accomplishments can only be superficially described here, but much of it would not have happened without the support of his gracious and sociable wife, Billie. Joel and Billie live on a small ranch near Hearne, TX, where they entertain family (including daughters Christi, Cathy, Geri, Denny, Vicky and son, Richard, their spouses and ten grandchildren), friends, and scientific associates from around the world.

Honorary membership in the GCSSEPM could not be bestowed on a more deserving individual than Joel Watkins. His contributions to our understanding of the Gulf of Mexico comprise only part of his many scientific achievements. And to anyone from NASA who might read this: I know of a certain geophysicist at Texas A&M who might be interested in joining John Glenn on that space shuttle ride...

Steve Dorobek

Past Recipient
Distinguished Honorary Membership
Gulf Coast Section SEPM

Charles G. Ventress (1989)

Past Recipients
Honorary Membership
Gulf Coast Section SEPM

Ester Applin (1964)

Alva C. Ellisor (1964)

Marcus A. Hanna (1964)

Henry V. Howe (1964)

Hedwig T. Kniker (1964)

Winnie McGamery (1964)

John R. Sandidge (1964)

J. B. Garrett, Jr. (1965)

E. H. Rainwater (1966)

Henry Bronislaw Stenzel (1971)

Jules Braunstein (1973)

Grover E. Murray (1973)

Harold V. Anderson (1975)

Lyman D. Toulmin (1975)

Doris M. Curtis (1977)

Stuart A. Levinson (1978)

Fred L. Smith, Jr. (1978)

Charles W. Stuckey (1978)

William R. Paine (1980)

Frank E. Lozo, Jr. (1981)

Gene B. Martin (1984)

Bob F. Perkins (1984)

Edward B. Picou, Jr. (1984)

Claude M. Quigley, Jr. (1986)

William P. S. Ventress (1986)

Don G. Bebout (1987)

David E. Pope (1987)

Emmett Ray Adams (1989)

Jack O. Colle (1989)

John B. Dunlap (1989)

C. Clarence Albers (1990)

Ben J. Petrusek (1990)

Ernest A. Mancini (1991)

James M. Coleman (1992)

Edward McFarlan, Jr. (1994)

Arnold H. Bouma (1995)

Harry H. Roberts (1996)

Joel S. Watkins (1998)

Outstanding Educator Award

Gulf Coast Association of Geological Societies

Ernest Anthony Mancini

Ernest Anthony Mancini, better known as Ernie by his many friends and colleagues, was born in Reading, Pennsylvania, on February 27, 1947. He attended both grade school and high school in Reading, where he remained to earn his B.S. degree in Biology from Albright College in 1969. Ernie's insatiable scientific curiosity led him to graduate studies earning the M.S. degree in Zoology from Southern Illinois University in Carbondale in 1972 and his Ph.D. degree in Geology from Texas A&M University in 1974. While at Texas A&M, Ernie worked under the supervision of Robert Stanton, a friend and mentor whose insistence on an integrated approach to geology has left its mark on Ernie's scientific career. This can be no better documented than through the citation of some of Ernie's earliest publications in 1977-1979 on depositional environments, ammonite biostratigraphy, foraminiferal paleoecology, and micromorph faunas of the Grayson Formation of Texas, each emanating from his Ph.D. studies under Stanton.

Ernie began his professional career as a petroleum exploration geologist with Cities Service Company in Denver in 1974. His intense interest in teaching and research led him to Alabama in 1976 where he accepted dual appointments as an Assistant Professor with the Department of Geology and as a petroleum research geologist with the Mineral Resources Institute at the University of Alabama in Tuscaloosa. Ernie's motivation and curiosity, willingness to share his knowledge, dedication to his students, and the exceptional quality of his research rapidly led to his appointment as Associate Professor (1980) and Professor (1984) of geology, a position he continues to maintain.

By any measure or standard, or by any definition, Ernie is a gifted and inspiring teacher. His comprehension of the subject and understanding of how to translate that knowledge to the student is widely recognized. His students range from undergraduates to masters and Ph.D. candidates, from colleagues who simply wish to visit his office for guidance, to petroleum geologists and administrators seeking his advice and counseling. Ernie's willingness to share his knowledge is truly exceptional. He has supervised more than 20 theses and dissertations on micropaleontology and paleoecology, biostratigraphy and sequence stratigraphy, lithostratigraphy and sedimentology, petrography and petroleum geology . . . the list goes on. Since 1977, Ernie has given over 50 invited technical presentations to a broad range of academic, industrial, regulatory, and governmental organizations and agencies, and since 1975 has made more than 100 oral presentations to professional organizations and societies throughout the United States.

Although widely recognized and honored as an outstanding speaker for his ability to communicate and educate, Ernie has also published more than 100 technical papers in professional journals and over 150 abstracts in society bulletins. He has served as president, vice-president, leader or co-leader, chair or co-chair, or principal investigator or member of numerous local and national professional associations, societies, or research programs and projects. Ernie is a devoted member of numerous professional organizations and societies, and has received much deserved recognition through the presentation of many honors and awards. That Ernie has enthusiastically served his profession in a truly exceptional manner cannot be denied.

Although being known as an outstanding educator, Ernie's achievements as an influential administrator are equally widely recognized. The most notable among his several administrative positions was initiated on February 8, 1982, when Ernie accepted an appointment to the challenging position of State Geologist of Alabama and Supervisor of the Alabama Oil and Gas Board. During his 14 years as its principal administrator, Ernie successfully guided the organization through many years of change dictated by shifting emphasis in local and national research priorities and budgetary constraints. Because of his dedication to the citizens of Alabama and his steadfast integrity, Ernie established the Geological Survey and the Oil and Gas Board as one of the most productive, efficient, and respected governmental agencies within Alabama. During Ernie's tenure as State Geologist, over 500 technical reports and maps were published on the mineral, energy, water, and biological resources of Alabama; a new geological map of Alabama was published; geological studies were conducted which contributed significantly to the production of $31 billion of coal, oil, natural gas, and industrial minerals; and hundreds of hydrogeologic studies were conducted on the 46 trillion gallons of surface and ground water used in Alabama's public water supply. Although his achievements as State Geologist were many, under his guidance and firm belief in sound science and integrated research, Alabama was established as the nation's leader on studies of coalbed methane and in the exploration and production of this vital resource. At the same time, Ernie was influential in leading the state in establishing the regulatory guidelines essential for the protection and preservation of Alabama's treasured environment. On January 16, 1996, Ernie returned to devote himself to full-time teaching and research at the University of Alabama, and to serve as Director of the Eastern Gulf Region of the Petroleum Technology Transfer Council.

Ernie has served the GCAGS as chair or co-chair of many of its annual technical sessions. Since 1977, he has an uninterrupted record of presenting technical papers at its annual meetings, earning several Best Paper and Best Poster awards as well as the prestigious A. I. Levorsen Petroleum Geology Award. Because of his exceptional enthusiasm for geology and uncommonly broad geological expertise, his ability and willingness to communicate his knowledge, the quality of his research and professional publications, and service to the geological community, but especially for his inspiration as an inspiring teacher and educator, it is fitting that Ernie is recognized for the Gulf Coast Association of Geological Societies Outstanding Educator Award.

Charles C. Smith

Past Recipients
Outstanding Educator Award
Gulf Coast Association of Geological Societies

Robert R. "Bob" Berg (1991)

James M. Coleman (1991)

Brian E. Lock (1991)

Edward C. Roy, Jr. (1991)

Arnold H. Bouma (1992)

Clyde H. Moore (1992)

Carl C. Norman (1992)

Alfred E. Weidie, Jr. (1992)

William E. Galloway (1993)

William W. Craig (1994)

Harry H. Roberts (1995)

William R. Bryant (1996)

Jeffrey S. Hanor (1997)

Donald H. Kupfer (1997)

William C. Ward (1997)

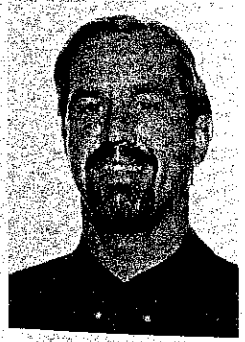
Ernest A. Mancini (1998)

1997 A.I. Levorsen Memorial Award

Awarded to: Brad A. Robison, Rocco Detomo, Jr., R. David Gardner, Arie Speksnijder, and Michael J. Styzen

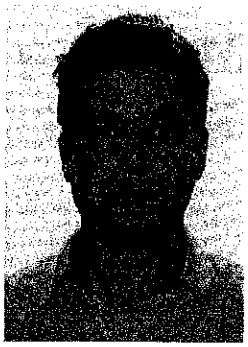
For: Salt Geometry and Subsalt Trapping in the Enchilada Area, NE Garden Banks

Brad A. Robison earned Bachelor and Master of Science Degrees in geology from the University of Arizona. He joined Shell's Rocky Mountain Division in 1979 and worked as an explorationist in complex structural settings including the Wyoming Foldbelt and eastern Great Basin Province. In 1983 he transferred to New Orleans where he has held a variety of positions in Shell's offshore exploration and development groups. He has contributed as a prospect generator and exploration team leader in both the Shelf and Deepwater areas and contributed to several special projects focused on salt-related structure and hydrocarbon occurrence. Prior to his most recent assignment to Shell's first subsalt development effort at Enchilada (GB 128), he served as a Technical Specialist providing geological input and risk assessment for over 100 wildcats drilled on the Shelf.

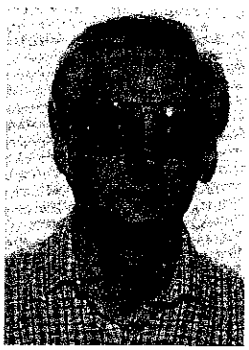


Dr. Rocky Detomo, Jr. received his B.Sc. and M.Sc. Degrees in Physics from The Ohio State University in 1973 and 1975, respectively. He then served as a Research Associate at The Ohio State University Van de Graaff Accelerator Laboratory where he received his Ph.D. in Experimental Nuclear Physics. In 1981 Rocky joined Shell Western E&P as a Geophysicist where he supervised Land Acquisition and Seismic Processing Teams for Shell, and interpreted in Michigan, Arkansas, Colorado, Montana, Oklahoma, West Texas, Washington, and California. From 1987 to 1991 Rocky served as SWEPI's Exploration Computing Coordinator initially responsible for supercomputing deployment, and then for personal workstation deployment in E&P. Since 1991, Rocky has been interpreting for Shelf Division of SOI in the Gulf of Mexico, focusing on complex structural and technically challenging areas. He was the geophysical interpreter for Enchilada from 1995 until 1997. He is currently the Project Development Manager for Shell's Gulf of Mexico "Cinnamon" Project.

R. David Garner is a Senior Geologist with Shell Offshore Inc. in New Orleans, La. Since joining Shell in 1990, he has worked primarily as a production and development geologist on a number of Gulf of Mexico fields. His assignments have included production surveillance support in deltaic and turbidite reservoirs, identification and execution of redevelopment opportunities in mature fields, application of new technologies to increase field ultimates, and, most recently, appraisal and development of the Enchilada Area discoveries in the northeast Garden Banks Area, Offshore Louisiana. David received his bachelor's degree in geology from the University of Alabama in 1987 and his master's degree in geology from Louisiana State University in 1990.



Arie Speksnijder holds a Masters Degree and Ph.D. in geology from the Universities of Leiden and Utrecht, The Netherlands. He joined Shell's research laboratory in Rijswijk (Netherlands) in 1982 and he worked on a variety of topics such as reservoir sedimentology, fault sealing, structural styles and regional geology of the North Sea. In 1987 he was transferred to NAM, Shell's operational company in the Netherlands, where he was a geologist/seismic interpreter for onshore and offshore parts of the North Sea Basin. He moved back to Rijswijk in 1991, where he concentrated on West African deepwater settings, sequence stratigraphic service projects, as well as geological training and coaching. In 1995 he was posted to New Orleans where he is employed by Shell Deepwater Development Inc.



Michael J. Styzen was born October 4, 1953 in Chicago, IL. He received his Bachelor of Science Degree in geology in 1976 from Illinois State University, and a Master of Science Degree in geology from Northern Illinois University in 1980. His thesis was on Eocene foraminifera from a core collected near the antarctic coast south of Australia. From 1980 to 1983 he was employed as a paleontologist for Mobil in Dallas. During his employment there he did biostratigraphic studies on forams from the south China Sea, West Africa, and the Gulf of Suez. When Mike moved to Shell Offshore Inc., New Orleans, in 1984 he switched his focus from forams to nannofossils. His work for shell has concentrated mostly on Gulf Coast biostratigraphy. In 1990 he participated as a Shipboard Scientist on ODP Leg 135 in the Lau Basin of the South Pacific. He served as Secretary of GCSSEPM in 1994/1995 and is currently completing a two year term as Treasurer of that organization. He was the GCSSEPM Program Chairman for the 1997 GCAGS/GCSSEPM Annual Meeting. He is also coordinating the nannofossil sample processing and counting techniques, and a chart of Late Cenozoic Gulf of Mexico chronostratigraphy.

1997 Best Paper Award

Gulf Coast Association of Geological Societies

First Place Best Paper Award:

Sharie M. Sartain and Bennie E. See

For: The South Georgia Basin: an Integration of Landsat, Gravity, Magnetics and Seismic Data to Delineate Basement Structure and Rift Basin Geometry

Sharie Sartain is a Senior Geophysical Specialist with Phillips Petroleum in Houston (Bellaire), Texas. She graduated magna cum laude with a B.S. degree in Geology from the University of Akron in 1980 and received her M.S. degree in Geology from Kent State University in 1981. She began her career with Phillips in September 1981 and has remained in their Houston office since then, working on a variety of exploration projects. Most of her assignments have been related to exploration of the offshore Gulf of Mexico, from the Louisiana State Waters areas to the Louisiana shelf to her current projects in the Deepwater GOM. Other exploration assignments include two years in the Permian Basin and two years in North America Regional Studies, working on the South Georgia Basin, the Gulf of Mexico and the Michigan Basin. Sharie is a member of the American Association of Petroleum Geologists, the Society of Exploration Geophysicists, the Houston Geological Society, the Geophysical Society of Houston, the division of Professional Affairs of AAPG, and has been a Houston area representative to the AAPG House of Delegates since 1995. She lives in Houston with her husband Bob, who is a geologist with Phillips, and their two children, Marie and Frank.

Bennie See is a Senior Geologist with Phillips Petroleum Company in Houston (Bellaire), Texas. He received a B.A. degree with honors in the Geological Sciences from Albion College in 1977 and an M.S. in Geology from Bowling Green State University in 1980. He joined Phillips in September, 1980 and began his career with overseas assignments in London and Perth, Western Australia. In 1985, he was transferred to Houston where he has remained. Bennie has worked a variety of assignments which include the North Sea, West Africa, the Northwest shelf and Gippsland Basin of Australia, onshore and offshore Gulf of Mexico, Permian Basin, Nevada, South Georgia Basin, and currently, Peru in South America. He lives in Stafford, Texas with his two children, Ellen and Andrew.

Second Place Best Paper Award:

Joseph C. Fiduk, Paul Weimer, Bruce D. Trudgill, Mark G. Rowan, Peter E. Gale, Bryant E. Korn, Ronald L. Phair, Geneva R. Roberts, William T. Gafford, Cindy K. Guu, Roger Lowe

For: Seismic Facies of Mesozoic-Cenozoic Strata in the Perdido Fold Belt (Alaminos Canyon), Northwestern Deep Gulf of Mexico

Joseph Carl Fiduk received his bachelor's ('79) and master's ('82) degrees in geology from the University of Florida in Gainesville. He was hired out of school by Gulf Oil as a geophysicist during the boom and spent four years in Midland, Texas exploring the Permian Basin for oil and gas. During the same time, he went to night school and received an M.B.A. from the University of Texas in the Permian Basin in December of 1985. In August of 1986 he moved to Austin, Texas and started a Ph D. research program at the University to Texas in Austin. His research topic was the "Plio-Pleistocene evolution of the upper continental slope in the Garden Banks and East Breaks areas". While working on his degree, he also worked at the Texas Bureau of Economic Geology. Carl finished his Ph D. research in May of 1994. In August of 1994 he moved to Boulder, Colorado to take a position as a Research Associate in the Department of Geological Sciences at the University of Colorado. Within the Energy and Minerals Applied Research Center (EMARC) group, he spent the next two and a half years researching structural, depositional, and sequence stratigraphic problems in the Perdido fold belt. During the past year, he has been modeling the thermal maturation of potential source rocks in the Perdido fold belt area. His general research interests lie in the areas of sedimentology, salt. Presently, Carl is an independent consultant. He is a member of the GCSSEPM and AAPG and is an AAPG certified petroleum geologist.

Paul Weimer is an associate professor in the Department of Geological Sciences at the University of Colorado at Boulder, and serves as Director of the Energy and Minerals Applied Research Center. He received his B.A. from Pomona College (Claremont, CA) in 1978 with honors in geology. He received his M.S. in geology in 1980 from the University of Colorado at Boulder, and his Ph.D. from The University of Texas at Austin in 1989. During the summer of 1978, he worked as a geologist with Amoco Production Company (Denver, CO). From 1980 to 1984 he worked as an exploration geologist with Sohio Petroleum (San Francisco, CA) doing regional exploration of the North Slope of Alaska. He worked with Mobil Oil Corporation (Dallas, TX) as a research and exploration geologist from 1988 to 1990. He has been at the University of Colorado since 1991. Paul's research interests are in applied sequence stratigraphy and basin analysis, petroleum geology of turbidite systems, 3-D seismic interpretation, and reservoir geology. He is the author of more than 60 papers.

Bruce D. Trudgill graduated with a B.Sc. degree (geology) from the University of Wales at Aberystwyth and a Ph.D. (structural geology) from Imperial College. He worked at Amerada Hess-UK Ltd., and investigated fault linkage geometries at Imperial College before moving to Boulder in 1994. At the University of Colorado, Bruce is part of the EMARC research group. He is currently studying the evolution of salt, faults and minibasins in the northern Gulf of Mexico.

Mark G. Rowan received a B.S. in biology from CalTech in 1976, an M.S. in stratigraphy and tectonics from Berkeley in 1982, and a Ph.D. in structure from the University of Colorado at Boulder in 1991. He spent three years at Sohio Petroleum Co. in Denver from 1982 to 1985, then joined Geo-Logic Systems in Boulder, where he consulted for the industry and was involved with the development of cross-section restoration software (Geosec). In 1989, Mark joined Alastair Beach Associates in Glasgow, Scotland, as a consultant in structural geology, working primarily on the North Sea and offshore Norway, but including projects from throughout the world. In 1992, he returned to the University of Colorado as a Research Associate and then Research Assistant Professor in the Energy and Minerals Applied Research Center (EMARC), where he headed up a large industrial research consortium investigating Gulf of Mexico salt tectonics. Mark recently left this position and is now an independent consultant for the petroleum industry, providing structural expertise and teaching courses in structural geology, with an emphasis on salt tectonics. He is author or coauthor of over 40 papers and 75 abstracts.

Third Place Best Paper Award:

William J. Doyle, Robert G. Wonish, Tom S. Schroeder, and Danny E. Mathis

For: Horizontal Completions Improve Flow Rates and Recovery Efficiency in West Delta 54 Field Offshore Louisiana

William (BJ) Doyle began his career in geology with an introductory course in geology taught by Dr. Ray Stephens at the University of New Orleans in 1969. Growing up in New Orleans, he immediately found the concept of rocks intriguing. At the end of his freshman year he decided a career in geology was as good as any of the others he knew nothing about. Before beginning this evolution, though, he was summoned to the university's office of Earth Sciences. He was quizzed: did he have any friends or relatives in the oil business? - did he know anything about the work of a petroleum geologist? - did he know he couldn't expect to make much of a living as a geologist? Having passed this initial screening process with the answers: "No", "No", and "I don't care", he was warmly welcomed to the brotherhood. His interest grew with each passing semester. Early on he was drawn to sedimentary processes. This was due in combination to the influences Dr. Bill Ward and Dr. Bill Craig as well as a residual doubt about these things referred to as rocks (he had yet to make his first field trip to the Hill Country of Texas,)

After graduating in 1973, he decided that any state that had as many rocks as Texas would be a good place to continue his education (he had yet to make his first trip to the Rockies.) As his continued good luck would have it, there he discovered Texas A&M and Dr. Bob Berg. Here his focus shifted from the mud flats of South Louisiana to the deep ocean floor of the Pacific coast and turbidite deposition. The transition was not as difficult as some might expect. Often he would only have to change sea level on cross-sections that served him so well when he studied delta deposition in the Gulf Coast.

Beginning his career with Mobil Oil in New Orleans in 1975, he reflected back to that warm August day in 1970 when Dr. Al Weidie told him about the lack of a future in petroleum geology. Only now could he grasp the subtlety of the "Weed's" sense of humor. Times were great! Big raises every year, all kinds of perks, free lunches with the service companies. He could now understand why such an effort was made to hide the truth about a career in geology.

In the early 1980's BJ began to understand the diabolical nature of Dr. Weidie's reverse/reverse psychology. During the bust he occupied himself consulting for a myriad of small south Texas Independents. A positive outcome of this period was an ever-increasing respect for 'bright spots"; in particular, their utility in chasing stratigraphic traps.

The 1990's led him back to his roots in offshore development. The advent of horizontal completions in unconsolidated sandstone reservoirs, in combination with modern seismic data, presented the perfect tool for pursuing the stratigraphic trap. Horizontal technology also provided a basis for redeveloping old fields, a very time-effective effort often requiring only changing the map data.

BJ is currently continuing his study of field redevelopment utilizing horizontal technology. He also wonders how much longer will it take the Independent onshore operators to hop a limb or two up the evolutionary tree and implement this tool in their clastic reservoirs.

Robert G. Wonish began his engineering career with Amoco in the West Hastings Area in 1975, after receiving his B. S. degree in Mechanical Engineering from the University of Missouri-Rolla. After various production assignments along the Gulf Coast in some of Amoco's most historic fields, he left Amoco to join forces with Texas International Petroleum in Oklahoma City. At TIPCO, Mr. Wonish managed field projects in the Mid-Continent, East Texas and North Louisiana areas. Bob then became Production Manager for Cliffs Drilling Company in 1980, covering an expanded territory from South Texas to the Williston Basin. Signing on in 1984 with Ladd Petroleum, he then assumed numerous operational duties leading to the position of District Superintendent for the Gulf Coast region. After the sale of Ladd Petroleum in December, 1990, Bob then provided consulting services for drilling, completion and production operations to various oil and gas exploration and production companies. Mr. Wonish was offered a position with a consulting client of his, Panaco Inc., in 1993, and was promoted to Vice President-Operations in April, 1994, and to the position of Senior vice President-Operations in October, 1998.

As Senior Vice President-Operations of Panaco Inc., Mr. Wonish's responsibilities are focused on increasing reservoir recoveries from the many old fields that been acquired by Panaco Inc. and future acquisitions of similar type properties with multiple pay zones. In conjunction with a Consulting Geologist, Bob has supervised the use of the latest drilling technologies in targeting extended reach and horizontal drilling opportunities, that Panacea Inc has developed and or acquired, as well as experimental drilling fluids and state of the art completion systems. Mr. Wonish and his aforementioned partner have made several economic models incorporating these innovative drilling and completion techniques to show the enhancement and economic viability of these otherwise uneconomical projects. Bob has also coauthored SPE Paper No. 30718 entitled "Integrated Horizontal Technology Recovers Attic Gas In West Delta 54 Field".

Tom S. Schroeder is a technical support engineer for formation evaluation MWD at Baker Hughes INTEQ in Houston, Texas. He received an M.S. degree in Geology from Lelugh University in 1982. His thesis was a study of the source areas and sediment transport pathways for New Jersey beach sands.

Tom started his career as a geological engineer at Tenneco Oil Company in Lafayette, Louisiana, where he prospected for oil and gas in the Gulf of Mexico and specialized in salt dome tectonics and shaly sand log analysis. He continued his career at Tenneco in Houston, Texas, in the late 80's where he helped develop a computer system for exploration and production.

In 1989 Tenneco E&P was sold and Tom began work at Teleco Oilfield Services in Meriden, Connecticut, as a well log analyst specializing in propagation resistivity response modeling. Since being acquired by Baker Hughes in 1992 he has become an expert in MWD formation evaluation and geosteering at INTEQ.

Tom has been the corresponding author of 7 technical papers for the GCAGS, SPE, SPWLA, and Oil & Gas Journal.

Danny E. Mathis received a B.A. in Physics from William Jewell College, 1968, Liberty, Missouri, and did master's work at Wichita State University, Wichita, Kansas. Additional postgraduate work continued at the University of Maine, Orono, Maine. From 1970 to 1974, Dan served in the United States Air Force in Maine and The Netherlands. Presently, Dan is a Formation Evaluation Technical support Engineer for Baker Hughes INTEQ in Houston, Texas. His career includes 17 years with Schlumberger Well Services where he earned the prestigious "Wildcatter Award" for a gas reservoir discovery in San Patricio County, Texas. Dan spent three years with Magnetic Pulse, Inc., and most recently with Teleco Oilfield Services before being acquired by Baker Hughes in 1992. He is the former treasurer and past president of the Houston Chapter of SPWLA. In 1997, he served as Chief Financial Officer for the national SPWLA convention held in Houston. Dan, also, holds membership in AAPG, HGS, and SPE.

Dan was contributing author for "Teamwork and Geosteering Pay Off in Horizontal Project" published in February, 1995, in the Oil & Gas Journal. He co-authored SPE 30718 titled "Integrated Horizontal Technology Recovers Attic Gas in West Delta 54 Field" in October, 1995. Dan was a participating author and presented SPE 36489 titled "Various Horizontal Technologies Used to Develop Shallow Gas Sands in the Eugene Island Area" in October, 1996, in Denver, Colorado. "New Drilling and Completion Technologies Supplement 3-D and 4-D Seismic Programs" was his most recent collaborative effort presented in March, 1998, at the HGS Technical Symposium in Houston, Texas.

1997 Best Poster Awards

Gulf Coast Association of Geological Societies

First Place Best Poster Award:

Paul N. Lawless, Richard H. Fillon, and Rome G. Lytton, III

For: Gulf of Mexico Cenozoic Biostratigraphic, Lithostratigraphic and Sequence Stratigraphic Event Chronology

Paul N. Lawless received his B.S. in Geology (1986) and M.S. in Geology (1989) from Louisiana State University. His thesis looked at the effect of the LaSalle Arch upon Wilcox Group stratigraphy in central Louisiana. While in school, he worked part-time for the U.S. Geological Survey, Water Resources Division in Baton Rouge. Following graduation, he worked seven years for Texaco E&P where he worked the Middle & Lower Miocene and Upper Frio trends for the South Louisiana exploration team and Sub-Salt in the central Gulf of Mexico for the Deep Water exploration team in New Orleans. Currently he is working for Shell Offshore with the Louisiana State Waters exploration team also in New Orleans.

Richard H. "Dick" Fillon received a B.S. in Geology from Rensselaer Polytechnic Institute in 1966. At that time he was torn between interests in metamorphic petrology, geophysics, and sedimentology. The petroleum industry beckoned, leading to a two-year tenure with Chevron, first in Houston as a geophysicist, and then in New Orleans as a geologist, where he was assigned to the super active Main Pass (east) area. Exciting work on and around the Mississippi River delta and the influence of Gerry Friedman at R.P.I. had by then tipped the balance, leading to the University of Vermont graduate school and a study of the complexly evolving Pleistocene deltas of glacial Lake Vermont, the Champlain Sea, and Lake Champlain. He worked and studied with Allen Hunt, an ardent teacher and student of the historic "inland sea", and in 1970 was awarded an M.S. in sedimentology and stratigraphy. Excited by the climatic changes responsible for glaciation in New England, he went on to Florida State University's Antarctic Program and the University of Rhode Island's Graduate School of Oceanography. His 1972 dissertation on the Tertiary-Quaternary paleoceanography and biostratigraphy of Antarctica's Ross Sea provided the first comprehensive documentation of Antarctic marine glacial climate in the Late Miocene. The late paleomagneticist, Norm Watkins, and the indefatigable, and infectiously enthusiastic, micropaleontologist, Jim Kennett provided him the inspiration. A post-doctoral fellowship in Bill Berggren's group at Wood's Hole, provided the venue to pursue an eye opening investigation of the complexly intertwining relationships between species diversity, evolution, geomagnetic polarity reversals, volcanism, and climate.

After Wood's Hole, Dick began a seven-year association with the Geological Survey of Canada at Bedford Institute of Oceanography in Nova Scotia. He led a series of multidisciplinary research cruises aboard the Canadian research vessel C.S.S. Hudson, investigating the Quaternary marine geology, glacial history and water masses of the Canadian sub-arctic. In 1980, he was appointed Associate Professor of Research at the University of South Carolina's Belle Baruch Institute, where he began working on the paleoceanography and biostratigraphy of the Gulf of Mexico and the influence of the Mississippi River on fauna and sediments, interests which he pursues avidly today. In 1985 he accepted a position in Texaco's geological laboratory and, is now a member of the Texaco Offshore Division's shelf exploration team headquartered in New Orleans, where, always comfortable with change, he is working on developing new play strategies for the Mesozoic of the northeastern Gulf. He is also pursuing strong interests in applying Quaternary stratigraphic and depositional analogs to exploration problems and is promoting prospect evaluation by direct observation and measurement from deep-diving submersibles.

Rome G. Lytton, III, a native of Lake Waccamaw, North Carolina was exposed to paleontology at a very early age. He began fossil collecting at about age six from the shores of the largest of the Carolina Bays, Lake Waccamaw. This area proved to be an excellent collecting area for vertebrate, invertebrate, and microfossils. He received his BS degree in Geology in 1980 and MS in Geology in 1981 from the University of Florida. His thesis, "A paleoecological analysis of the Plio-Pleistocene formations from Lake Waccamaw to Old Dock, North Carolina" documented much of his childhood paleontological work. While at the University of Florida, Rome taught geology and paleontology to junior high students at the Florida Museum of Natural History and was a member of the Phi Kappa Phi national honor society.

He began work at Texaco in 1981 as an associate paleontologist (foraminifera specialist) and has held various positions of biostratigraphic responsibility since then. Rome is currently the domestic biostratigraphy coordinator for Texaco. He was an instructor for the "Applied Biostratigraphy for Geologists, Geological Engineers, and Geophysicists" short course offered at the 1997 October GCAGS convention. Additionally, he teaches an in-house petroleum paleontology school at Texaco several times a year.

He is a member of the New Orleans Geological Society, the Paleontological Research Institute, and the Florida Paleontological Society. He is currently working on a Gulf Coast Section SEPM guide for the foraminifera and nannofossil index fossils from the Gulf of Mexico Basin along with other participating industry and consulting micropaleontologists.

Second Place Best Poster Award:

Roger Tyler, R.P. Major, H. Scott Hamlin, Mark H. Holtz, and Mark Vining

For: Project STARR - State of Texas Advanced Oil and Gas Resource and Recovery

Roger Tyler holds a M. Sc. Degree in Geology from the University of the Witwatersrand, Johannesburg, South Africa. Since joining the Texas Bureau of Economic Geology, The University of Texas in Austin in 1990, he has worked extensively on coalbed methane, gas and oil resource assessment of the western United States and Texas. His expertise includes: tectonic, structural and natural fracture analysis; and genetic stratigraphy and depositional system analysis. Roger is currently researching the enhancement of oil and natural gas recovery through integrated reservoir characterization along the Texas Gulf Coast. Roger received the Best Paper Award at the 1997 International Coalbed Methane Symposium held in Tuscaloosca, Alabama and the American Association of Petroleum Geologists, Energy Minerals Division Best Paper Awards in 1992 and 1995.

R.P. Major holds the Ph.D. degree in Geology from Brown University and was a National Research Council Postdoctoral Associate at the U. S. Geological survey in Denver. He is a former senior geologist with Amoco Production Company in New Orleans and former geology professor at the University of Colorado at Denver. Since 1985 has been on the research staff of The University of Texas at Austin Bureau of Economic Geology. Dr. Major is currently on the faculty in the Department of Geology and Geological Engineering at the University of Mississippi. Dr. Major's research interests are in the fields of sedimentology, carbonate petrology and geochemistry, and marine geology. He has served on the editorial boards of the Journal of Sedimentary Research and the American Association of Petroleum Geologists Bulletin, he is President Elect of the Gulf Coast Section of SEPM, and he is a Fellow of the Geological Society of America.

H. Scott Hamlin is a research associate at the Bureau of Economic Geology, University of Texas at Austin. He received degrees in Anthropology (B.A.) and Geology (M.A.) from The University of Texas at Austin and is currently completing a Ph.D. at the same institution. His research interests are stratigraphy, sedimentology, hydrogeology, and petroleum geology. In recent years his research has focused on regional and field-scale reservoir characterization in Texas, the Rocky Mountains, Australia, and Venezuela.

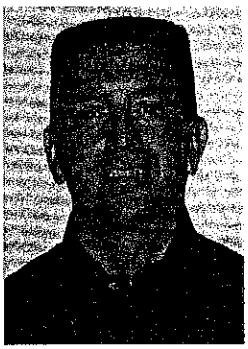
Mark H. Holtz holds a Bachelor's degree in Geology from the University of Wisconsin, Madison and a Bachelor's degree in Petroleum Engineering from The University of Texas at Austin. Mark is a reservoir engineer with over 12 years of reservoir characterization experience at the Bureau of Economic Geology, The University of Texas at Austin. His expertise in reservoir characterization focuses on integration of geology and engineering in both carbonate and sandstone oil and gas reservoirs. Mark's engineering has been broadly applied in primary and secondary oil and gas projects throughout Texas, as well as siliciclastic sequences in the Australian cooper and Eromanga Basins, Venezuela, Argentina, and Vienna Basin. He serves as a reservoir engineering technical editor and the secretary of the Austin chapter for the Society of Petroleum Engineers, and is a registered professional engineer with the state of Texas.

Mark Vining has a B.Sc. degree in Geology from the University of Washington (1974), a Ms. from the University of British Columbia (1977), and a Ph.D. in geosciences, mathematics, and engineering from Texas Tech University (1997). He worked for Exxon Company USA and Exxon Production Research from 1980 through 1991. His areas of expertise include petroleum reservoir geology, computer simulation of fluvial processes, and quantitative dynamic simulation of sequence stratigraphic relationships.

Third Place Best Poster Award:

Frank C. Sheppard, III, David N. Wright, and Patrick L. McGrievy

For: Redevelopment of the Deep Tuscaloosa Gas Trend: A 3-D Seismic Case History of Judge Digby Field, Point Coupee Parish, Louisiana



Frank C. Sheppard, III began his professional career in 1985 with Amoco Corporation in New Orleans, after receiving a B.S. degree in Earth Sciences from the University of New Orleans. After an initial assignment with onshore seismic data processing, Frank worked as a geophysical interpreter in South Louisiana and the Eastern Gulf of Mexico for four years. In 1989, Frank transferred to Houston and was assigned to work with Amoco's subsalt research team, where he applied and helped develop new technology to image below salt sheets in the Gulf of Mexico. In 1993, he was assigned to Amoco's Tuscaloosa development team, where he and his co-authors led the integrated study of Judge Digby field. Frank later moved on to study the Cotton Valley Reef trend for Amoco, before moving to his current position at 3DX Technologies, Inc., where his assignments include the Frio and Vicksburg of southeast Texas and south Louisiana.

David N. Wright has a B.S. degree in Geology from The University of Texas at Arlington. His career began with Amoco (then Pan American) in 1970 in New Orleans as an operations/exploration geologist. Projects included work in the Oligocene and Miocene trends of coastal Louisiana and Gulf of Mexico Pleistocene trend. He also worked as the unitization geologist for Amoco's New Orleans Region. David is currently a Senior Geological Associate in Amoco's Houston office where he is working as an exploitation geologist in the Tuscaloosa Trend.

Patrick L. McGrievy is currently employed as a senior exploitation and reservoir engineer in the offshore Division of Burlington Resources Inc. in Houston, Texas. As team leader for the Judge Digby redevelopment project for Amoco Production Company, McGrievy was responsible for the coordination of exploitation and development activities in the Tuscaloosa trend fields of Judge Digby and False River. He has 11 years of comprehensive experience in production, completions and reservoir engineering. McGrievy holds a B.S. degree in Petroleum Engineering from Louisiana State University.

Past Recipients Best Paper Awards and A. I. Levorsen Memorial Awards

Gulf Coast Association of Geological Societies

	First Place	Second Place	Third Place	A. I. Levorsen Award*
1959	J. E. Walters	R. L. Oakes	H. A. Bernard C. F. Major, Jr. B. S. Parrott	
1960	D. J. Hughes	D. I. Andrews	E. H. Rainwater	
1961	R. D. Ocamb	D. I. Andrews J. C. Stipe	R. P. Fietz K. R. Scott W. E. Hayes	
1962	D. R. Tucker	R. J. Granberry R. C. Wilshusen	G. C. Glaser (tie)‡ W. R. Walton (tie)‡	
1963	E. H. Rainwater	V. Peppard	S. L. Blanton, Jr.	
1964	E. H. Rainwater	D. R. Boyd B. F. Dyer	J. L. Arps	
1965	C. R. Kolb J. R. van Lopik	G. R. Kellough	Not awarded	
1966	B. J. Sloan, Jr.	W. R. Paine	R. E. Gernant R. V. Kesling	B. J. Sloan, Jr.
1967	H. Yarborough, Jr.	W. A. Price	J. Ewing (tie) J. C. Meyers (tie)	H. Yarborough, Jr.
1968	J. D. Myers	E. H. Rainwater	D. J. Hughes	J. D. Myers
1969	P. O. Roehl	J. K. Rogers	D. F. McNamee (tie) L. F. Brown (tie)	J. K. Rogers
1970	J. J. Amoruso	R. R. Berg	J. F. Harris	J. J. Amoruso
1971	H. Yarborough, Jr.	D. A. Reel (tie) G. M. Griffin B. J. Sloan (tie) J. A. Hartman (tie)	Not awarded	H. Yarborough, Jr.
1972	R. R. Berg	M. T. Halbouty	J. J. Amoruso	R. R. Berg
1973	R. D. Woods J. W. Addington	R. D. Ottman P. L. Keyes M. A. Ziegler	R. R. Berg F. L. Findley	J. M. Coleman L. D. Wright
1974	D. H. Kupfer	J. M. Coleman L. D. Wright J. N. Schyda T. Whelan	C. A. Parker	D. H. Kupfer
1975	W. L. Seal J. A. Gilreath	J. D. Myers	B. P. Baganz J. C. Horne J. C. Ferm	J. D. Myers
1976	J. D. Robinson A. R. Troell	J. W. Becher C. H. Moore A. R. Troell	J. N. Neel	J. D. Robinson A.R. Troell

Past Recipients, Best Paper Awards and A. I. Levorsen Memorial Awards
Gulf Coast Association of Geological Societies, continued:

	First Place	Second Place	Third Place	A. I. Levorsen Award*
1977	D. K. Davies W. R. Almon	J. O. Lewis	J. O. Snowden W. B. Simmons E. B. Troughber R. W. Stephens	D. K. Davies W. R. Almon
1978	C. T. Siemers	J. W. Lund J. S. King R. E. Berlitz J. A. Gilreath	E. F. McBride	C. T. Siemers
1979	C. D. Winker	R. R. Berg	C. C. Christina K. G. Martin	R. R. Berg
1980	E. A. Mancini D. J. Benson	F. W. Harrison, Jr.	G. N. Gatenby	E. A. Mancini D. J. Benson
1981	E. C. Roy, Jr. M. Eidelbach N. Trumbly	J. L. Coleman, Jr. C. J. Coleman	G. J. Grabowski, Jr.	E. C. Roy, Jr. M. Eidelbach N. Trumbly
1982	T. E. Ewing S. C. Caran	D. J. Benson E. A. Mancini	R. R. Berg M. F. Habeck	T. E. Ewing S. C. Caran
1983	J. W. Cagle M. A. Khan	W. M. Ahr H. B. Hull, Jr.	T. E. Ewing (tie) C. H. Moore (tie)	J. W. Cagle M. A. Khan
1984	G. Kinsland	S. K. Stewart	C. L. Sartor S. R. Howard	G. Kinsland
1985	C. C. Walters M. R. Cassa	E. A. Mancini R. M. Mink B. L. Bearden	A. L. Workman J. S. Hanor	W. E. Galloway
1986	S. P. Dutton	A. H. Saller B. R. Moore	J. M. Coleman D. P. Prior H. H. Roberts	S. P. Dutton
1987	S. P. Dutton R. Finley K. Herrington	R. Evans	C. Black R. Berg	S. P. Dutton R. Finley K. Herrington
1988	M. P. Prescott	J. J. O'Brien I. Lerche	D. F. Williams I. Lerche	J. J. O'Brien I. Lerche
1989	P. Hutchinson	N. M. Kuich	W. Wade J. Hanor R. Sassen	P. Hutchinson
1990	M. P. Prescott	P. L. Cook, Jr. J. D. Bush J. C. Marble R. D. Schneeflock	D. Tearpock H. Pousson	M. P. Prescott
1991	A. J. Davidoff	H. S. Sumner	T. Ewing G. Fergeson	A. J. Davidoff
1992	K. T. Barrow G. B. Asquith G. L. Causey	R. A. Levey M. A. Sippel R. J. Finley R. R. Langford	J. U. Ricoy J. S. Yeh R. P. Major	H. H. Roberts D. J. Cook M. K. Sheedlo

Past Recipients, Best Paper Awards and A. I. Levorsen Memorial Awards Gulf Coast Association of Geological Societies, continued:

	First Place	Second Place	Third Place	A. I. Levorsen Award*
1993	W. Carew P. F. Ostendorf G. L. Krum	W. A. Ambrose R. A. Levey J. M. Vidal M. A. Sippel J. R. Ballard D. M. Coover, Jr. W. E. Bloxsom	W. D. DeMis J. V. Milliken	W. Carew P. F. Ostendorf G. L. Krum
1994	J. A. Rhodes	B. E. Bradshaw J. S. Watkins	R. J. Barnaby R. Ramamoorthy M. H. Holtz	J. A. Rhodes
1995	R. R. Zenero D. L. Seng M. R. Byrnes R. A. McBride	E. Heydari W. J. Wade L. C. Anderson	A. H. Bouma H. deV. Wickens J. M. Coleman	M. J. Broussard B. E. Lock
1996	J. C. Fiduk B. D. Trudgill M. G. Rowan P. Weimer P. E. Gale B. E. Korn R. L. Phair W. T. Gafford G. R. Roberts S. W. Dobbs C. K. Guu	C. Story	D. J. Hall	D. J. Hall
1997	S. M. Sartain B. E. See	J. C. Fiduk P. Weimer B. D. Trudgill M. G. Rowan P. E. Gale B. E. Korn R. L. Phair G. R. Roberts W. T. Gafford C. K. Guu R. Lowe	W. J. Doyle R. G. Wonish T. S. Schroeder D. E. Mathis	B. A. Robison R. Detomo, Jr. R. D. Gardner A. Speksnijder M. J. Styzen

* **This award is given by the AAPG to the paper that best exemplifies creative ideas in oil and gas exploration (first award, 1966).**

† Glaser and Walton received First Place in the Paleontology Division for their 1962 paper.

Past Recipients
Best Poster Awards
Gulf Coast Association of Geological Societies

	First Place	Second Place	Third Place
1988	Glenn M. Pense	John A. Adamick Austin A. Sartin	Harry Roberts James Coleman
1989	Frank G. Cornish	R. D. McPhearson	Not awarded
1990	Thomas H. Fett	R. Brent Bray Jeffrey S. Hanor	Not awarded
1991	Michael J. DiMarco R. Craig Shipp	Jose Ulises Ricoy	Not awarded
1992	Thomas P. Bulling Al J. Krecji	William C. Dawson Donald F. Reaser	Not awarded
1993	Arnold H. Bouma Donald A. Goddard	Wayne Carew Paul F. Ostendorf Glenn L. Krum	Not awarded
1994	Timothy H. Brown Lawrence Bruno Mike Green	Abu N. Chowdhury Donald L. Risch Andrew E. Hannan, Sr.	Not awarded
1995	Mervin Kontrovitz Jerry Marie Slack	Raymond Sturdivant, Jr. (tie) Gary A. Fulton, Jr. Frank E. Bains Joel K. Jordan (tie)	Not awarded
1996	Hank DeWitt (tie) Mike Globe Ray Sorenson Harry D. Roberts (tie)	Ali M. Al-Ghamdi Joel S. Watkins	Hughbert A. Collier Jorge O. Parra
1997	Richard H. Fillon Paul N. Lawless Rome G. Litton, III	Roger Tyler R. P. Major H. Scott Hamlin Mark H. Holtz Mark Vining	Frank P. Sheppard, III David N. Wright Patrick L. McGrievy

NOTE: Poster sessions and judging began in 1988.

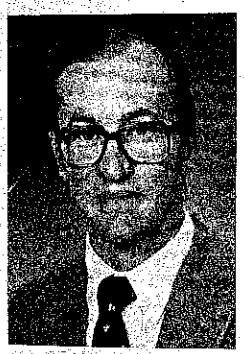
1997 Best Published Paper Awards

Gulf Coast Section SEPM

First Place Best Published Paper Award:

Jeffrey S. Hanor

For: Limitations on the Use of Conventional Ground Water Techniques in Characterizing the Fate of Produced Waters in On-Shore Gulf Coast Sediments



Jeffrey S. Hanor is a Louisiana State University Alumni Professor in the Department of Geology and Geophysics at LSU, where he was previously the Charles L. Jones Professor of Geology and Geophysics. Hanor received his B.S. in Geology from Carleton College and his M.S. and Ph.D. in Geology from Harvard University. He was an NSF Postdoctoral Fellow and Assistant Research Oceanographer at the Scripps Institution of Oceanography before joining the faculty at LSU in 1970, where he has served as the Chairman of the Department of Geology and the Director of the School of Geoscience.

Jeff and his students have published widely on topics related to the geochemistry of sediments and natural waters, hydrogeology, and environmental geology. Several of these papers have won GCAGS best paper awards. Hanor has also won a several teaching awards, including the 1997 GCAGS Outstanding Educator Award. Hanor is currently serving as the 1998 Birdsall-Dreiss Distinguished Lecturer for the Hydrogeology Division of the Geological Society of America and has visited over 30 universities and national labs speaking about the origin and migration of saline fluids in sedimentary basins.

Second Place Best Published PaperAward:

Boashun Fu and Paul Aharon

For: Origin and Depositional Model of Barite Deposits Associated with Hydrocarbon Seeps on the Gulf of Mexico Slope, Offshore Louisiana

Baoshun Fu received a B.S. in Geology from Shanxi Mining College in 1984 and a M.S. in organic petrology from Beijing Graduate School, China University of Mining and Technology in 1987. Subsequently, he joined the faculty of the geology department at Beijing Graduate School where he taught coal and organic petrology from 1988 to 1991. He is presently a Ph.D. candidate in geochemistry at Louisiana State University. His dissertation concerns the products and processes of hydrocarbon seeps in the Gulf of Mexico and is slated for completion in 1998. His major research interests are in the applications of stable and radioactive isotopes and elemental chemistry to sedimentary processes and fluid geochemistry, in hydrocarbon seeps in the marine environment, and in the organic petrology of source rocks and coal.

Paul Aharon is a professor in the Department of Geology and Geophysics at Louisiana State University. He received his B.S. and M.S. magna cum laudae from the Hebrew University, Jerusalem, Israel. Paul completed his Ph.D. in Environmental Geochemistry at the Research School of Earth Sciences, Australian National University in Canberra, Australia. After completion of Ph.D. he was a Queen Elisabeth Fellow in Marine Sciences studying for two years the Holocene history of the Great Barrier Reef of Australia. He joined LSU in 1982 where he rose through the ranks to professor. His accomplishments at LSU include the establishment of a state-of-the art stable isotope laboratory, foundation of a dynamic research group consisting of post-docs, graduate students and visitors, and initiation of four graduate courses in the curriculum focusing on diverse application of isotopes to the marine and terrestrial environments.

Four months of field work in Papua-New Guinea in 1977, and a return for additional drilling in 1988, convinced Paul of the importance of extracting paleoenvironmental and paleoclimatic information from reefs using a combination of field geological observations and laboratory isotope techniques. The experience gained in the Papua-New Guinea work has evolved into a long-lasting research interest on the cause and effect of ice ages, dynamics of ice caps, chemical evolution of ocean-atmosphere coupling, carbon cycle and sea level history. Results and interpretations concerning the above topics, on sites ranging from New Guinea to eastern Antarctica, have provided significant constraints on the ocean-atmosphere-cryosphere coupling. More recently he explored the links between glacio-eustasy and the Messinian salinity crisis, the carbon cycle perturbations at the Precambrian-Cambrian boundary, and the history of the "deluge" in the Gulf of Mexico during the last collapse of the North American ice sheet.

Over the past ten years Paul's research has shifted from primarily "land based" to "ocean-based" observations using submersibles for mapping and sampling hydrocarbon seeps and vents. The results of these investigations have important bearings on the factors controlling the emission of hydrocarbon-rich fluids on the seafloor, on the redox processes in anoxic environments, on the deposition of massive carbonates, sulfides and barites and on the longevity of seepage along ocean margins.

Third Place Best Published Paper Award:

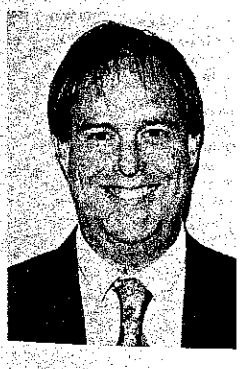
Paul N. Lawless, Richard H. Fillon and Rome G. Lytton III

For: Gulf of Mexico Cenozoic Biostratigraphic, Lithostratigraphic, and Sequence Stratigraphic Event Chronolgy

Paul N. Lawless received his B.S. in Geology (1986) and M.S. in Geology (1989) from Louisiana State University. His thesis looked at the effect of the LaSalle Arch upon Wilcox Group stratigraphy in central Louisiana. While in school, he worked part-time for the U.S. Geological Survey, Water Resources Division in Baton Rouge. Following graduation, he worked seven years for Texaco E&P where he worked the Middle & Lower Miocene and Upper Frio trends for the South Louisiana exploration team and Sub-Salt in the central Gulf of Mexico for the Deep Water exploration team in New Orleans. Currently he is working for Shell Offshore with the Louisiana State Waters exploration team also in New Orleans.

Richard H. "Dick" Fillon received a B.S. in Geology from Rensselaer Polytechnic Institute in 1966. At that time he was torn between interests in metamorphic petrology, geophysics, and sedimentology. The petroleum industry beckoned, leading to a two-year tenure with Chevron, first in Houston as a geophysicist, and then in New Orleans as a geologist, where he was assigned to the super active Main Pass (east) area. Exciting work on and around the Mississippi Rivr delta and the influence of Gerry Friedman at R.P.I. had by then tipped the balance, leading to the University of Vermont graduate school and a study of the complexly evolving Pleistocene deltas of glacial Lake Vermont, the Champlain Sea, and Lake Champlain. He worked and studied with Allen Hunt, an ardent teacher and student of the historic "inland sea", and in 1970 was awarded an M.S. in sedimentology and stratigraphy. Excited by the climatic changes responsible for glaciation in New England, he went on to Florida State University's Antarctic Program and the University of Rhode Island's Graduate School of Oceanography. His 1972 dissertation on the Tertiary-Quaternary paleoceanography and biostratigraphy of Antarctica's Ross Sea provided the first comprehensive documentation of Antarctic marine glacial climate in the Late Miocene. The late paleomagneticist, Norm Watkins, and the indefatigable, and infectiously enthusiastic, micropaleontologist, Jim Kennett provided him the inspiration. A post-doctoral fellowship in Bill Berggren's group at Wood's Hole, provided the venue to pursue an eye opening investigation of the complexly intertwining relationships between species diversity, evolution, geomagnetic polarity reversals, volcanism, and climate.

After Wood's Hole, Dick began a seven-year association with the Geological Survey of Canada at Bedford Institute of Oceanography in Nova Scotia. He led a series of multidisciplinary research cruises aboard the Canadian research vessel C.S.S. Hudson, investigating the Quaternary marine geology, glacial history and water masses of the Canadian sub-arctic. In 1980, he was appointed Associate Professor of Research at the University of South Carolina's Belle Baruch Institute, where he began working on the paleoceanography and biostratigraphy of the Gulf of Mexico and the influence of the Mississippi River on fauna and sediments, interests which he pursues avidly today. In 1985 he accepted a position in Texaco's geological laboratory and, is now a member of the Texaco Offshore Division's shelf exploration team headquartered in New Orleans, where, always comfortable with change, he is working on developing new play strategies for the Mesozoic of the northeastern Gulf. He is also pursuing strong interests in applying Quaternary stratigraphic and depositional analogs to exploration problems and is promoting prospect evaluation by direct observation and measurement from deep-diving submersibles.



Rome G. Lytton, III, a native of Lake Waccamaw, North Carolina was exposed to paleontology at a very early age. He began fossil collecting at about age six from the shores of the largest of the Carolina Bays, Lake Waccamaw. This area proved to be an excellent collecting area for vertebrate, invertebrate, and microfossils. He received his BS degree in Geology in 1980 and MS in Geology in 1981 from the University of Florida. His thesis, "A paleoecological analysis of the Plio-Pleistocene formations from Lake Waccamaw to Old Dock, North Carolina" documented much of his childhood paleontological work. While at the University of Florida, Rome taught geology and paleontology to junior high students at the Florida Museum of Natural History and was a member of the Phi Kappa Phi national honor society.

He began work at Texaco in 1981 as an associate paleontologist (foraminifera specialist) and has held various positions of biostratigraphic responsibility since then. Rome is currently the domestic biostratigraphy coordinator for Texaco. He was an instructor for the "Applied Biostratigraphy for Geologists, Geological Engineers, and Geophysicists" short course offered at the 1997 October GCAGS convention. Additionally, he teaches an in-house petroleum paleontology school at Texaco several times a year.

He is a member of the New Orleans Geological Society, the Paleontological Research Institute, and the Florida Paleontological Society. He is currently working on a Gulf Coast Section SEPM guide for the foraminifera and nannofossil index fossils from the Gulf of Mexico Basin along with other participating industry and consulting micropaleontologists.

Past Recipients
Best Published Paper Awards
Gulf Coast Section SEPM

	First Place	Second Place	Third Place
1997	J. S. Hanor	B. Fu P. Aharon	P. N. Lawless R. H. Fillon R. G. Lytton, III
1996	S. Q. Breard A. D. Callender, Jr. M. J. Nault	Harry H. Roberts	P. Hansley
1995	S. Q. Breard G. L. Stringer	R. A. McBride M. R. Byrnes	C. C. Smith
1994	M. D. Blum D. M. Price	R. A. Eustice L. S. Land	H. H. Roberts A. Bailey G. J. Kuecher
1993	R. L. Adams	S. Q. Breard A. D. Callender M. J. Nault	E. C. McDade R. Sassen L. M. Wenger G. A. Cole
1992*	E. G. Otvos W. E. Howat	D. W. Harrelson J. A. Saunders	W. T. Tanner
1980	A. W. Cleaves	I. L. Van Heerden H. H. Roberts	T. A. Hansen
1979	L. C. Price J. L. Clayton L. L. Rumen	C. W. Poag R. C. Tresslar	R. E. Casey L. W. Gust R. A. Reynolds D. H. Williams A. Levesley T. Duis J. M. Spaw
1978	A. Thomson	C. W. Poag	J. A. Schiebout
1977	C. D. Winker J. D. Howard	W. C. Isphording V. R. Baker	R. M. Looney
1976	C. J. Stuart C. A. Caughney	R. R. Berg R. R. Powell	C. W. Poag P. C. Valentine
1975	J. L. Wilson M. E. York	K. F. Wantland	W. C. Isphording
1974	G. M. Friedman	W. F. Tanner C. R. Berquist	R. J. Moiola D. Weiser A. B. Spencer
1973	W. F. Tanner	R. J. Moiola A. B. Spencer	P. A. Thayer (tie) W. J. Cleary E. O'Donnell (tie) A. P. Wright
1972	W. F. Tanner	A. E. Weidie J. L. Wolleben E. F. McBride	P. A. Thayer D. A. Textoris
1971	R. W. Maxwell, Jr.	C. W. Poag	E. A. Shinn
1970	W. W. Hay S. W. Wise, Jr. R. D. Stieglitz	J. B. Dunlap, Jr.	W. L. Fisher C. V. Proctor, Jr. W. E. Galloway J. S. Nagle

Past Recipients
Best Published Paper Awards
Gulf Coast Section SEPM

	Best Published Paper	Excellence of Presentation
1991	B. E. Lock C. E. Bishop	A. J. Pulham
1990	G. C. Flowers W. C. Isphording	J. A. Pacht
1989	R. Boyd J. Suter S. Penland	H. H. Roberts
1988	R. Boyd S. Penland	E. McFarlan, Jr.
1987	W. Isphording D. Imsand G. Flowers	R. Lemoine (tie) E. McBride (tie)
1986	D. F. Williams D. M. Trainor	R. R. Berg
1985	P. A. Thayer Harry H. Roberts	G. W. Fielder
1984	M. J. Ulrich J. R. Kyle P. E. Price	M. Kontrovitz
1983	E. C. Kosters A. Bailey	D. B. Prior
1982	J. Mazzullo	C. D. Winker
1981†	T. A. Daws A. V. Applegate J. C. Palacas	C. R. Handford

*Before 1981 and since 1992, awards were given for first, second, and third place.

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July 1998

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gcssepm@mail.snet.net

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July 1998

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Historian
David E. Pope

1998 Financial Aid to Students

Gulf Coast Association of Geological Societies

During 1998 the GCAGS Financial Aid To Students Committee received applications for financial assistance from students enrolled in graduate and undergraduate geology programs in eight Gulf Coast colleges and universities. The Financial Aid Committee, Ralph G. Richardson (Acting Chairman), Stephen R. Howard and William R. Meaney recommended grants totaling $12,750. The Committee's recommendation was approved by the Board of Directors at the GCAGS mid-year meeting and awards were made to the following students:

Maria Elaine Bundy	Louisiana State University
Christian J. Clark	Louisiana State University
Zhu Fuping	Texas A & M University
Jerry D. Gregory	Northeast Louisiana University
Brian Hunt	The University of Texas at Austin
Brannon McDonald	Auburn University
Kathleen Moran	Louisiana State University
Jennifer Perkins	Baylor University
Donald E. Rehmer	Louisiana State University
John M. Robalin	Louisiana State University
Amanda L. Roberts	University of Southern Mississippi
Harold D. Robinson	University of Mississippi
Juan C. B. Santana	The University of Texas at Austin
William A. Tedesco	University of Mississippi

Past Officers and Convention Chairmen

Gulf Coast Association of Geological Societies

	Host City	President	Vice President	Secretary	Treasurer	Convention Chairman
1951	New Orleans	L. Bowling	T. H. Philpott		E. M. Baysinger	
1952	Corpus Christi	W. M. Chaddick, Jr.	W. A. Gorman		T. D. Barber	
1953	Shreveport	R. T. Wade	D. D. Utterback	J. S. Spencer	K. Carter	W. J. Nugent
1954	Houston	W. R. Canada	W. H. Knight	W. A. Peterson	E. W. Kimball	
1955	Biloxi	A. E. Blanton	L. D. Traupe	F. H. Webster	C. C. Barber	R. D. Sprague
1956	San Antonio	R. L. Layden	M. W. Beckman	C. W. Holcomb	A. F. Scott	G. J. Joyce
1957	New Orleans	H. N. Hickey	P. Montgomery	R. A. Davis	K. C. Anderson	T. H. Philpott
1958	Corpus Christi	E. A. Lohse	R. W. Grayson	E. T. Musselman	W. H. Wallace, Jr.	R. C. Wilshusen
1959	Houston	G. C. Hardin, Jr.	L. Harvey	J. F. Moss	J. A. Wheeler	O. G. Bell
1960	Biloxi	M. F. Kirby	D. N. Osburn	W. W. Woolfolk	E. G. Jeffreys	A. E. Blanton
1961	San Antonio	D. Dassow	E. P. Roth	A. W. Wood	E. L. Ames	L. L. Palmer
1962	New Orleans	T. H. Philpott	J. C. Byrd	H. O. Woodbury	K. Soule	L. H. Meltzer
1963	Shreveport	J. C. Byrd	E. Knott	W. E. Bancroft	R. E. Rogers	H. J. Tyler
1964	Corpus Christi	E.B. Knott	R. E. Fairchild	R. W. Luker	D. A. Pedrotti	B. F. Dyer
1965	Houston	R. E. Fairchild	A. M. Borland	K. C. Harkins, Jr.	J. L. George, Jr.	E. A. Lohse
1966	Lafayette	A. M. Borland	J. H. Hensley	W. A. Robbins, Jr.	J. S. Schoelen	R. R. Copeland
1967	San Antonio	W. L. Stapp	M. D. Horton	M. L. Frazier, Sr.	L. C. Bryant	M. O. Turner
1968	Jackson	M. D. Horton	R. O. Vernon	L. G. Hughes	E. D. Minihan	L. E. Warren
1969	Miami	R. O. Vernon	H. J. Tyler	J. W. Yon, Jr.	C. W. Hendry, Jr.	H. S. Puri
1970	Shreveport	H. J. Tyler	L. H. Meltzer	C. E. Brown	B. C. Tucker	J. O. Goffe
1971	New Orleans	L. H. Meltzer	D. R. Boyd	M. L. Dwight	P. G. Gray	R. G. Williamson
1972	Corpus Christi	D. R. Boyd	F. M. Schall, Jr.	M. H. Oakes	J. E. Melton	J. M. Sides
1973	Houston	F. M. Schall, Jr.	S. J. Lysinger	M. E. Hole, Jr.	P. W. Cauthon, Jr.	C. E. Harrison
1974	Lafayette	S. J. Lysinger	W. H. Moore	T. J. Eby, Jr.	J. L. Bellamy	F. W. Harrison, Jr.
1975	Jackson	W. H. Moore	C. L. Sartor	W. E. Taylor	H. L. Ladner	C. H. Williams, Jr.
1976	Shreveport	C. L. Sartor	R. E. Boyer	J. T. Palmer	C. E. Brown	L. E. Jordan
1977	Austin	R. E. Boyer	P. G. Gray	A. E. Bell	F. L. Osborne, Jr.	E. G. Wermund, Jr.
1978	New Orleans	R. W. Stephens	E. C. Roy, Jr.	R. M. Swords	C. J. Corona	J. Braunstein
1979	San Antonio	E. C. Roy, Jr.	F. W. Harrison, Jr.	S. L. Perkins	L. C. Bryant	G. His
1980	Lafayette	F. W. Harrison, Jr.	P. M. Strunk	J. W. Shirley	R. A. Anderson	M. A. Munchrath
1981	Corpus Christi	P. M. Strunk	J. J. Amoruso	T. J. Wintermute	W. R. Payne	W. Humphrey
1982	Houston	J. J. Amoruso	S. C. Childress	C. G. Beckwith	C. A. Baird	J. O. Lewis
1983	Jackson	S. C. Childress	J. P. Palmer	S. A. Horton	P. D. Cate	J. C. Marble
1984	Shreveport	J. T. Palmer	E. G. Wermund	C. S. Cook	E. W. Saye	J. M. Forgotson, Jr.
1985	Austin	E. G. Wermund	D. E. Pope	R. Everett	D. C. Ratcliff	L. E. Garner
1986	Baton Rouge	D. E. Pope	R. H. Sams	B. D. David	F. E. Lindfors-Kearns	H. L. Roland
1987	San Antonio	R. H. Sams	J. A. Hartman	M. T. Tobin	T. Cooper	D. F. Tobin
1988	New Orleans	J. A. Hartman	W. R. Payne	R. W. Sabaté	J. E. Bailey	C. C. Baker
1989	Corpus Christi	W. R. Payne	P. G. Gray	B. E. Gaither	T. B. Henderson	G. M. Heinzelmann
1990	Lafayette	P. G. Gray	C. E. Harrison	H. Fielding	B. Smart	B. E. Lock
1991	Houston	C. E. Harrison	J. C. Marble	H. W. Kiatta	L. D. Bartell	D. L. Smith C. Noll
1992	Jackson	J. C. Marble	R. L. Williamson	W. L. Aultman	S. King	S. C. Knox
1993	Shreveport	R. L. Williamson	W. L. Fisher	M. Schroeder	B. R. White	O. R. Berg J. P. Wanger
1994	Austin	W. L. Fisher	W. E. Marsalis	S. P. Dutton	C. Condon	P. R. Rose
1995	Baton Rouge	W. E. Marsalis	E. G. Rolf	S. N. Breakfield	R. W. Jackson	D. E. Pope
1996	San Antonio	E. Gerald Rolf	M. J. Gallagher	W. P. Wilbert	B. Layton	T. E. Ewing
1997	New Orleans	M. J. Gallagher	R. F. Travis	E. C. Broadbridge	G. W. Jacobs	J. C. Langford
1998	Corpus Christi	R. F. Travis	B. E. Lock	L. Hoover	D. Neuberger	G. Sprague

Past Officers
Gulf Coast Section SEPM

	President	Vice President	Secretary	Treasurer
1953–1954	Stuart A. Levinson	Grover E. Murray	William H. Akers	Frank V. Stevenson
1954–1955	Charles W. Stuckey, Jr.	E. H. Rainwater	William H. Akers	Fred L. Smith, Jr.
1955–1956	E. H. Rainwater	Frank S. Westmoreland	Hugh A. Bernard	Eleanor T. Caldwell
1956–1957	Lloyd M. Pyeatt	J. O. Colle	H. Dillingman, Jr.	Eleanor T. Caldwell
1957–1958	J. O. Colle	Fred L. Smith, Jr.	Harold V. Anderson	William G. Parker
1958–1959	Marcus A. Hanna	Claude M. Quigley	Fred E. Smith	Bernard L. Hill, Jr.
1959–1960	David E. Pope	A. D. Ellis, Jr.	Gordon C. Munsey	H. A. Chun
1960–1961	Claude M. Quigley	Harold V. Anderson	E. Ann Butler	Edward Marks
1961–1962	Harold V. Anderson	Theodore D. Cook	Benjamin J. Petrusek	Albert D. Warren
1962–1963	Albert D. Warren	Ernest H. Horton	Blair S. Parrott	Henry H. Phillips
1963–1964	Lyman D. Toulmin	E. Ann Butler	Charles C. Albers	John E. Kilgore
1964–1965	Howard L. Tipsword	Benjamin J. Petrusek	D. Jeter Smith	Emmett R. Adams
1965–1966	John B. Dunlap, Jr.	John J. W. Rogers	M. Ray Bane	Charles B. Morris
1966–1967	Hubert C. Skinner	Richard P. Zingula	Gene Ross Kellough	Gene B. Martin
1967–1968	Benjamin J. Petrusek	Dan McGregor	Garrett Briggs	Herbert A. Elliot, Jr.
1968–1969	William A. Atlee	Edgar B. O'Quinn	James W. Fowler	William E. Steinkraus
1969–1970	Fred L. Smith, Jr.	Kenneth L. Loep	Robert K. Sylvester	C. Wylie Poag, Jr.
1970–1971	Jules Braunstein	Douglas E. Jones	Walter H. Trenchard	Robert N. Davids
1971–1972	William W. Hay	William E. Steinkraus	Karl J. Koenig	Gerald R. Stude
1972–1973	C. Wylie Poag, Jr.	Emmett R. Adams	Gerald R. Stude	Joan B. Strough
1973–1974	Edward B. Picou, Jr.	Walter H. Trenchard	Lawrence C. Menconi	J. Lloyd Tuttle, Jr.
1974–1975	Emmett R. Adams	Clifton A. Couture	Herbert A. Elliott, Jr.	Doris M. Curtis
1975–1976	James L. Lamb	Lawrence C. Menconi	William S. Grubb	John L. Carney
1976–1977	Clifton A. Couture	Eleanor T. Caldwell	Sherwood W. Wise, Jr.	Joseph E. Boudreaux
1977–1978	Gerald R. Stude	William P. S. Ventress	Gary R. Roberson	George C. Esker, III
1978–1979	Willard P. Leutze	Bob F. Perkins	Walter P. Kessinger	Kenneth A. Hodgkinson
1979–1980	Gene B. Martin	John L. Carney	Mary Ann Rafle	Arthur S. Waterman
1980–1981	Bob F. Perkins	Don G. Bebout	Sheila C. Barnette	Ted Karmen
1981–1982	William P. S. Ventress	Kenneth A. Hodgkinson	Brian J. O'Neill	Kurt Geitzenauer
1982–1983	John L. Carney	Ernest A. Mancini	Susan J. Conger Morris	Kevin C. Kilmartin
1983–1984	Don G. Bebout	Michael J. Nault	Susan J. Conger Morris	Nelson B. Yoder
1984–1985	Ernest A. Mancini	J. M. Crosbie	John G. McPherson	John B. Anderson
1985–1986	Susan J. Conger Morris	Arthur S. Waterman	John G. McPherson	Richard E. Constans
1986–1987	Charles L. McNulty	Denise M. Butler	Kurt G. Geitzenauer	Sylvester Q. Breard, Jr.
1987–1988	Arthur S. Waterman	Brian J. O'Neill	Ramil C. Wright	Charles G. Rosato
1988–1989	Samuel P. Miano	Charles C. Smith	Richard H. Fillon	Bethanne Breisacher
1989–1990	Sheila C. Barnette	Michael J. Nault	Nancy Engelhardt-Moore	Michael W. Center
1990–1991	Denise M. Butler	Charles C. Smith	Nancy Engelhardt-Moore	Kurt Geitzenauer
1992	Michael J. Nault	Brian E. Lock	Mary (Missy) Jackson	Elaine H. Collison
1993	John M. Armentrout	David W. Ford	Mary (Missy) Jackson	Elaine H. Collison
1994	Nancy Engelhardt-Moore	Mary (Missy) Jackson	Michael J. Styzen	Elaine H. Collison
1995	Charles C. Smith	William C. Ward	Michael J. Styzen	Richard J. White
1996	Rashel N. Rosen	James O. Jones	R. P. Major	Richard J. White
1997	Paul Weimer	Sylvester Q. Breard	R. P. Major	Michael J. Styzen
1998	James O. Jones	Michael W. Center	Ron Waszczak	Michael J. Styzen

Bylaws

Gulf Coast Association of Geological Societies, Inc.

Part A: Organization

ARTICLE I—Name

This is a non-profit organization and shall be known as the "Gulf Coast Association of Geological Societies, Inc." It is hereinafter referred to as "This Association."

ARTICLE II—Object

The object of This Association is to provide for discussion and publication of papers on subjects and problems coming within the scope of the Geological profession and with particular emphasis on Gulf Coast geology.

ARTICLE III—Organization

This Association is an organization of AAPG-affiliated Geological Societies in the Gulf Coast area.

Section 1.

The business of This Association shall be transacted by a Board of Directors composed of one representative from each member society and the President, Vice-President, Secretary, Treasurer, and Past President. The Vice-President, Secretary, and Treasurer shall be elected by the Board of Directors at the annual meeting. At the request of the Vice-President's society, however, the Secretary and Treasurer may be elected at a prior Board meeting but they will not take office until after the annual meeting. The Secretary and Treasurer shall be non-voting members of the Board of Directors. The Secretary and Treasurer shall be nominated by the Executive Committee of the local Geological Society next in line to host the annual meeting. The Vice-President shall be nominated by the Executive Committee of the host society for the annual meeting two years hence and shall accede to the Presidency. Thus each year the President, Secretary and Treasurer will be from the host society with the Vice-President providing continuity with the Board of Directors as he assumes the Presidency in the ensuing year. The duties of these officers shall be those customary to their respective offices.

The GCAGS representative to the Advisory Council of American Association of Petroleum Geologists shall be selected by the Board of Directors of GCAGS and shall be an ex-officio, non-voting member of the GCAGS Board of Directors.

Each member society shall designate a representative to the Board of Directors and in the event the chosen representative cannot attend any given Board of Directors meeting, an alternate representative shall be appointed by the member society to attend and vote in the absence of the representative. The representative, when practicable, shall be an officer or past officer of the society he represents.

Each society shall have one vote on actions taken by the Board of Directors with the exception that the host society, the next annual host society and the immediate past host society will be entitled to two votes by virtue of their members holding the offices of President, Vice-President and Past President.

The officers of the Board of Directors shall be elected for a term of one year. They shall be elected and assume their duties as soon after the annual meeting of This Association as is practicable, except as noted in Paragraph 1 with regard to the Secretary and Treasurer. Any vacancies shall be filled by the Board of Directors as provided above in Paragraph 1.

Section 2.

The business of This Association shall be conducted by the Board of Directors. A simple majority vote of the members present at meetings is required to effect decisions, except in those matters which require a greater majority, as set forth in these Bylaws.

A quorum shall consist of more than one-half of the voting members of the Board of Directors.

The Executive Committee composed of the President, Vice-President, Secretary, Treasurer, Past President, and Finance Committee Chairman shall have the authority to transact business of an emergency nature between meetings. Any business so transacted shall be subject to ratification by the Board of Directors at its next regularly scheduled meeting. A quorum of the Executive Committee shall be three members.

ARTICLE IV—Meetings

There shall be an annual meeting of This Association, the time and place of which shall be determined by the Board of Directors. Additional meetings may be called at the discretion of the Board of Directors.

ARTICLE V—Publications

There shall be an annual *Transactions* published by This Association, which shall contain papers presented at the annual meeting, and such other material as selected by the Board of Directors. The Board of Directors is authorized to have published additional bulletins, and other material which they feel will further the object of This Association.

ARTICLE VI—Funds

The funds of This Association shall be deposited in any federally insured bank or savings and loan association or in any fully insured account of a major securities firm selected by the Finance Committee, to the credit of this Association, or invested in U.S. Government Bonds at the discretion of the Finance Committee.

ARTICLE VII—Amendments

Amendments to this Part A and to the Articles of Incorporation may be proposed by the Board of Directors, or by any two member societies. Proposed amendments shall be submitted to each of the member societies in writing. It shall require an affirmative vote of three-fourths of the member societies to ratify such an amendment.

ARTICLE VIII—Later Affiliation

Non-member Geological Societies in the Gulf Coast Area which are affiliated with AAPG may petition the Board of Directors for membership and shall be accepted by an affirmative vote of three-fourths of the Board of Directors.

ARTICLE IX—Resignation

Any member society may resign from This Association at any time by written notice to the Board of Directors. There shall be no obligation to transfer to such resigning society any portion of This Association's funds.

ARTICLE X—Dissolution

This Association shall terminate at such time as a majority of the member societies shall so vote. Upon dissolution all funds and other property shall be divided as mandated by the Articles of Incorporation.

Part B: Committees, Finances

ARTICLE I—Permanent Committees

The President, with the approval of the Board of Directors, shall appoint the Annual Meeting Chairman, and the Publications Committee Chairman, appointments being for one year.

Section 1. Annual Meeting Chairman

The Annual Meeting Chairman shall direct the staging of the annual meeting, and shall have the authority to appoint such additional committees as he deems necessary.

Section 2. Publications

This committee shall be responsible for publishing all publications of This Association except the *Transactions* which fall under the purview of the Annual Meeting Chairman. Sales and storage of all GCAGS publications, including the *Transactions*, are the responsibility of this committee. The chairman shall provide annually to the Finance Committee an inventory of the GCAGS publications.

Section 3.

The President, with the approval of the Board of Directors, may appoint such additional committees as are necessary to conduct the business of This Association.

ARTICLE II—Treasurer

The Treasurer shall have the authority to issue checks against the Annual Meeting bank account of This Association on his sole signature, but in the event of his absence or incapacity to act, withdrawals or payments by checks may be made on the signature of the President during the continuance of the absence, or incapacity, of the Treasurer. In this event, the identity and authority of the President, and the circumstances relating to the absence or incapacity of the Treasurer shall be certified by the Board of Directors, if so required by the depository. The Treasurer shall submit a financial report on the Annual Meeting at each meeting of the Board of Directors and shall keep a set of books in accordance with good accounting practices. He shall submit the books of the Annual Meeting to the Finance Committee by March 1st following the Annual Meeting. The office of Treasurer shall be bonded as directed by the Board of Directors.

ARTICLE III—Finance Committee

The Finance Committee shall be responsible for investing and managing the funds of This Association. They shall be responsible for advancing to the Treasurer the necessary funds for operating the Annual Meeting and shall disburse funds for expenses and projects not related to the Annual Meeting as directed by the President upon approval by the Board of Directors. The Committee shall have authority to invest the funds as outlined in Article VI of Part A hereof. They shall prepare a financial report on the Association's funds and submit it at each meeting of the Board of Directors. They shall also keep an inventory of publications and equipment owned by the Association. They will keep a set of books in accordance with good accounting practices and will submit the books for auditing as requested by the Board of Directors. The Committee will oversee the preparation and submittal of the Association's Annual Income Tax Return. The Committee will also keep a file of these financial reports, as well as the report of the Treasurer for each Annual Meeting, for access by officers and representatives of the annual meetings for future years. The Committee shall consist of five members serving staggered three-year terms, such that each year one to three members will complete their terms and one to three new members will be appointed. The President of the Association, with the approval of the Board of Directors, shall appoint the members of the Finance Committee and select its chairman. Members of the Finance Committee shall be bonded as directed by the Board of Directors. All checks of greater than $1,000 shall be signed by two of the Finance Committee members.

ARTICLE IV—Amendments

This Part B may be amended by an affirmative vote of three-fourths of the Board of Directors.

ARTICLE V—Dues

There shall be no dues.

BYLAWS
GULF COAST SECTION
SOCIETY OF ECONOMIC PALEONTOLOGISTS AND MINERALOGISTS

ARTICLE 1. - OBJECT

1.01 The object of the Gulf Coast Section of the Society of Economic Paleontologists and Mineralogists is to promote the science of stratigraphy in the Gulf Coast states through research in paleontology and sedimentary petrology, especially as it relates to petroleum geology. The Corporation, herein referred to as the "Section," will be closely associated with the Gulf Coast Association of Geological Societies and will cooperate with it and with the local geological societies of which it is composed for the furtherance of mutual objectives.

ARTICLE 2. - MEMBERS

2.01 The Section shall have members, charter members, and honorary members.

2.02 Members shall be persons engaged in paleontologic, petrographic or stratigraphic studies that have application to the geology of petroleum and who work or reside in the Gulf Coast province of the states of Texas, Louisiana, Mississippi, Alabama, Georgia, or Florida, or whose interest or work is principally within these states. Membership, once obtained, shall not be dependent upon continued residence in the aforementioned states.

2.03 Charter members are those whose applications for membership were received before the first nomination of officers. They shall enjoy all the privileges of members, and, hereinafter, are included in all references to "members."

2.04 The Council may elect as honorary members persons who have contributed distinguished service to the science of stratigraphy, paleontology or sedimentary petrology, especially as they relate to petroleum geology in the Gulf Coast. Honorary members shall not be required to pay dues.

2.05 Each candidate for membership shall submit to the Section an application on a form authorized by the Council for this purpose.

2.06 New members enrolled after December 1 shall be considered as having paid their dues for the next calendar year.

ARTICLE 3. - COUNCIL AND OFFICERS

3.01 Executive authority of the Section is vested in a board of directors known as the "Council" consisting of six members who are duly elected by the members, as follows: President, President-Elect, Vice President, Secretary, Treasurer, and the most recently retired Past President.

3.02 The President shall discharge the usual duties of a president, as well as act as presiding officer at all meetings of the Section and Council.

3.03 The Vice President shall assume the duties of the President in the case of the absence or disability of the latter. The Vice President shall also be Chairman of the Membership Committee and as such shall keep a complete up-to-date list of members.

3.04 The Secretary shall keep the records of the proceedings of the Section and a complete list of the membership. The Secretary shall attend to the preparation and mailing of notices, membership application blanks and other materials necessary to the business of the Section.

3.05 The Treasurer shall have custody of all funds of the Section. The Treasurer shall keep account of the receipts and disbursements, and submit an accounting to the membership at the end of each year.

3.06 The Council shall have control and management of the affairs and funds of the Section.

3.07 The President and Vice President shall not serve for more than one (1) year, except that if the Vice President succeeds to the position of Acting President, the Acting President may be elected to a full term as President.

3.08 - In the event that neither the President nor Vice President is available to serve as presiding officer of the Section, the immediate Past President shall assume the President's duties.

3.09 The President-Elect shall serve for one (1) year as such, and in the following year the President-Elect shall assume the office of President. The President-Elect shall have not administrative authority except as a member of the Council. The President Elect shall acquaint himself with all the details of the office of President and generally prepare himself to serve as President. The President Elect shall be responsible for the preparation of the annual meeting for the ensuing year.

3.10 A vacancy occurring in the offices of Vice President, Secretary or Treasurer shall be filled by Council appointment.

3.11 A vacancy occurring in the office of President-Elect shall be filled by mail ballot by the membership through a special election called by the Council.

3.12 The Secretary and Treasurer shall serve for a term of two (2) years. These offices shall be renewable through election.

ARTICLE 4. - MEETINGS OF MEMBERS

4.01 The Section shall hold at least one stated meeting each year, which shall be known as the Annual Meeting. This meeting will

usually be held in conjunction with the Annual Meeting . of the Gulf Coast Association of Geological Societies.

4.02 The program for the Annual Meeting shall be arranged by the Section Program Chairman in cooperation with the Gulf Coast Association of Geological Societies (GCAGS) designated Program Chairman All Section concerns regarding the Annual Meeting shall be coordinated by the Section designated GCSSEPM Vice-Chairman. The Section designated GCSSEPM Editor shall coordinate with the GCAGS Editor on the editing and publication of the Annual Meeting proceedings known as the GCAGS *Transactions*. The Section designated Judging and Awards Chairman shall coordinate all Section Awards at the Annual Meeting.

4.03 At the time of the Annual Meeting, a Business Meeting may be held for the transaction of Section business.

ARTICLE 5. - AMENDMENT OF BYLAWS

5.01 These Bylaws may be amended by two-thirds vote of returned mail ballots received by the Secretary sixty (60) days after proposal of amendments with provision for vote is mailed to the members. Any proposed amendments must have the approval of a majority of the Council before being submitted to the members.

5.02 A petition containing the signatures of twenty (20) active members is considered sufficient to bring before the Council a proposed change in the Bylaws. A majority vote of Council is also considered sufficient to initiate a proposed change.

ARTICLE 6. - DUES

6.01 The fiscal year of the Section shall commence on January 1 and end on December 31.

6.02 The annual dues of the members shall be ten dollars ($10.00).

6.03 A bill for dues shall be mailed by the Vice President, as Chairman of the Membership Committee, to all delinquent members by March 31 of each year. Members who have not paid by June 1 shall be dropped from the membership roles.

6.04 Members dropped for non-payments of dues may be reinstated following their payment of all delinquent dues.

6.05 Members may, at their discretion, pay their annual dues for periods of up to five (5) years at the rate of forty dollars ($40.00) for the five (5) year period.

ARTICLE 7. - FINANCIAL PROCEDURE

7.01 No officer or member shall enter into contract or disburse any of the Section's funds, without the co-signature of a member of the Council. Disbursal of a sum in excess of Five Hundred Dollars ($500.00) must be approved by a majority of the Council.

ARTICLE 8. - ELECTIONS

8.01 The President shall appoint one (1) nominating committee, instructing the committee to submit nominations for President-Elect, Vice President, and Secretary or Treasurer. These nominations shall be in the Secretary's hands before April 15. A candidate for office must be a member of the Section.

8.02 Ballots containing the nominations for officers shall be prepared by the Secretary and mailed to each member of the Section on or before July 15. The ballots received by the Secretary before September 15 shall be counted by him. Receipt of a plurality of the votes cast for any office shall constitute election. In case of a tie vote, members of the current Council shall cast one additional deciding vote.

8.03 Results of balloting shall be announced at the Annual Meeting each October and the new officers shall enter upon duty on January 1 of the next calendar year.

ARTICLE 9. - BUSINESS REPRESENTATIVES

9.1 The Secretary shall appoint one representative from each group of members in each local geological society affiliated with the Gulf Coast Association of Geological Societies and in other localities as needed. Each representative shall have an up-to-date list of the members residing in the representative's vicinity. The Secretary will notify these members concerning any matter of Section policy which may be relayed to him by the President and shall have the authority to convene a meeting of those members to determine their views concerning Section affairs. The representative will report the results of such meetings to the President of the Section. The representative will cooperate with the Section Editor in the soliciting of papers to be presented at the Annual Meeting and with the Chairman of the Membership Committee in recruiting new members for the Section.

ARTICLE 10. - AUDIT

10.01 The President shall appoint an Auditing Committee which shall review the accounts presented by the Treasurer. The approval of the Treasurer's books by the committee shall be required before the final report will be accepted.

The Constitution of the GCSSEPM was originally adopted in 1954 and was amended in 1960, 1962, 1966, 1969, 1971, 1972, 1974, and 1981. The Section was incorporated under the laws of the State of Texas in 1981, and these Bylaws were adopted at that time in place of the original Constitution and its amendments. They were amended in 1984, 1990, 1991, 1996, and 1997. These Bylaws embody all of the provisions of the original Constitution and its amendments.