

SOCIETY RECORDS AND ACTIVITIES

SEPM 2004 ANNUAL MEETINGS

ANNUAL REPORT OF THE SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY) FOR THE YEAR ENDING AT THE SEVENTY-EIGHTH ANNUAL MEETING

The Seventy-Eighth Annual Meeting of the SEPM (Society for Sedimentary Geology) was held in Dallas, Texas, 18–21 April 2004, in conjunction with the Annual Convention of the American Association of Petroleum Geologists. The SEPM Research Symposium entitled "Clastic Facies Models Revisited" was organized by Henry W. Posamentier and Roger Walker. Twenty oral and thirty poster sessions were sponsored or cosponsored by the Society.

The Annual Report has been revised to include only the most essential elements: the audited financial statement; membership report; and the citations, biographies, and responses of our award recipients. Information on SEPM Section and Committee activities is posted on the SEPM Home Page at www.sepm.org where it can be presented to all SEPM members in a more timely fashion.

SEPM Distinguished Service Award For Sustained Service to the Society Gerald M. Friedman

Biography: Professor Friedman began his career as a geochemist and hard rock petrologist in the Appalachians and Canadian Shield. He switched to soft rock geology as a research geologist and director of sedimentology research for Amoco Research Laboratory, Tulsa, Oklahoma. Since returning to academia at Rensselaer Polytechnic Institute, and for the past seventeen years at Brooklyn College, he has worked with his graduate students and post-doctoral researchers on carbonate deposits, regional stratigraphy, and environmental geology of rivers, water reservoirs, and nearshore marine settings. He has also studied modern facies in the Bahamas, the Red Sea, the Dead Sea, and the Mediterranean.

In 1987, he was appointed Distinguished Professor and is the only geology professor in CUNY to hold this rank. Dr. Friedman has received the highest honors in the field of sedimentary geology, including the Twenhofel Medal of the Society for Sedimentary Geology (SEPM), the Sidney Power's Medal of the American Association of Petroleum Geologists (AAPG), and the Hollis D. Hedberg Award by The Institute for the Study of Earth and Man. Additionally he is also an Honorary Member of SEPM. These awards attest to Gerry's sustained scientific and teaching contributions in sedimentary geology.

But Gerald Friedman's contributions do not stop with his love of the science alone. Gerry's service to SEPM, with his wife Sue's considerable support, is without a doubt truly *distinguished*. He became a member in 1956 (48 years ago) and is still today a dues-paying Sustaining Member, in spite of his Honorary Membership. He began his official service to the society in 1964 as Editor of the Journal of Sedimentary Petrology, which he remained until 1970. During that time he also served

on the Shepard Committee (1966) and was Eastern Section President (1967). Following his editorship, he was SEPM Vice-President (1970) and later President (1974). He also served on the Presidential Advisory Committee (1975), Twenhofel Committee (1975), and Honorary Member Committee (1984). Additionally he served on two *ad hoc* committees; Medals & Awards Review Committee (1985) and Liaison for New Society Affiliations (1993).

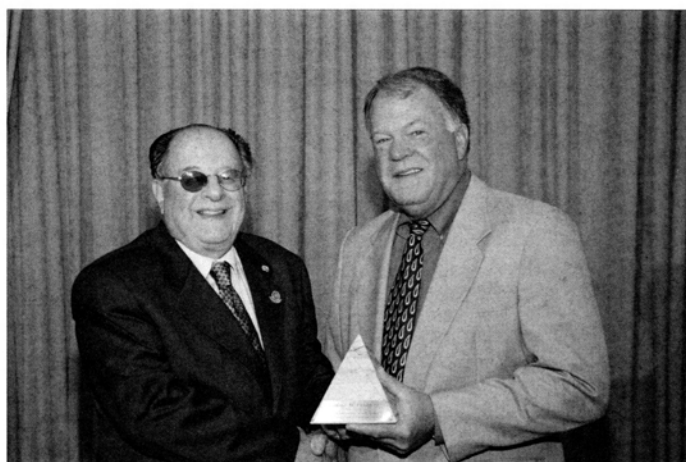
The Friedman's support of this society extends also to the SEPM Foundation. Gerry was an original Fellow Contributor to the Foundation's Endowment Campaign. In 1999, he was also a co-founder of the John Sanders Fund. Later in 2002, several of Gerry's students co-founded the Gerald M. Friedman Fund for student support, in his honor, to which he continues to contribute.

Response from Gerald Friedman

In the nineteen fifties I worked for Amoco Corporation which has since become British Petroleum. Prior to that I received a Ph.D. degree from Columbia University and thereafter a Doctor of Science Degree from the University of London (England). In 1961 one of my research papers was published in the SEPM journal and I received the Best Paper Award. At this time I became Professor of Geology at Rensselaer Polytechnic Institute (R.P.I.) and thereafter Distinguished Professor of Geology at the City University of New York. Subsequently I was elected SEPM Editor for eight years. I advanced to SEPM Vice President and finally President. Then I was elected Vice President and thereafter President of the International Association of Sedimentologists. I have been the only President who has served in this office for both societies. In the mid-eighties I was elected Vice President of the AAPG and in 1992 President of the Association of Earth-Science Editors. I served as Professor of Rensselaer Polytechnic Institute and Distinguished Professor of Geology at the City University of New York. As of this year I am respectively Professor Emeritus at R.P.I. and Distinguished Professor Emeritus at the City University. My grandparents were shareholders of the Zoological Society in Berlin, Germany. Their shares were something special. In fact my parents and grandparents made the Zoo their center of recreation. For me my professional career has been the result of my education there. Grateful thanks are extended to my professors: Dr. W.H. Fleet of Chelsea College, London, England, and Professors Charles H. Behre, Walter Bucher, Edwin H. Colbert, W. Maurice Erwing, Paul F. Kerr, Marshall Kay, Norman Newell, and James Shand of Columbia University. I am most grateful to my lovely wife Sue. My career would have been impossible without her involvement and constant input. Likewise my 45 Ph.Ds, 60 Masters, and 30 post-doctoral students had a major impact on my changing geologic interests. I don't want to mention names, since they all were



SEPM Council, top row, from left to right: Vitor Abreu, Tim Carr, Lesli Wood, Serge Berne, Colin North. Bottom row, left to right: Kitty Milliken, Bill Morgan, J. Frederick Sarg, John Anderson, and Maria Mutti.



Gerald Friedman, left, accepts the Distinguished Service Award from President John Anderson.



John Armentrout, left, accepts the award of Honorary Membership from President John Anderson.

wonderful and I can't name them all. I like to thank SEPM again for this honor. SEPM has been my constant professional companion for the last 48 years.

Honorary Membership For Contributions to the Science and SEPM John M. Armentrout

Citation: In recognition of exemplary leadership in science, scientific education, and the Society for Sedimentary Geology, and a wealth of distinguished, multifaceted research contributions.

Biography: John Armentrout, a Pacific Northwest native, received an MS in Geology from the University of Oregon (1967) and a Ph.D. from the University of Washington (1973). In 1973 he began a career as an exploration geologist with Mobil Oil Corporation, retiring to Oregon in 2000. He is currently active as a consulting geologist for his own company, Cascade Stratigraphics Inc.

John's scientific contributions span a remarkable range of topics, including biostratigraphy, petroleum geochemistry, sequence stratigraphy, basin analysis, and deep-water depositional systems. Best Paper Awards from SEPM, AAPG, HGS, and SEG attest to the quality of his work. AAPG selected him as a Distinguished Lecturer in 1992–1993.

John has an abiding interest in scientific education and the support of SEPM's student members. He presented the first SEPM Student Short Course and was instrumental in the development of the SEPM Mobil Student Travel Grant Program, which supports student attendance at the Annual Meeting.

John's contributions to SEPM have been inspiring. Since joining as a student member in 1967, he has served on and chaired numerous committees. John was SEPM Technical Program Chair for the 1985 Annual Meeting and SEPM Vice-Chair for the 1991 Annual Meeting. He served on the Council as Secretary/Treasurer ('84-'86), President-Elect ('95-'96) and as President ('96-'97). As President he facilitated the establishment of the South American Section of SEPM. More recently, he served as General Chair for the very successful SEPM Foundation Endowment Campaign. A signal contribution was his 1985 discovery that the Society was on the verge of insolvency. His effective communication of that status to Council paved the way for the Society's financial recovery. John also served as President of the Society's Gulf Coast Section in 1993, and as Program Chair and Proceedings Editor for the 1990, 1993, and 2000 GCSSEPM Foundation Perkins Research Conference. He was elected to Honorary Membership in the Gulf Coast Section in 1999.

John Armentrout is richly deserving of Honorary Membership in SEPM, the Society for Sedimentary Geology.

Ed Clifton

Reply from John Armentrout

It is hard to believe it has been 36 years since joining SEPM. SEPM has provided so many opportunities to learn and share the results of geologic investigation, that service to the Society seems an inadequate payback.

There are four groups to thank for the joy I have experienced as a geologist and SEPM member.



Isabella Premoli-Silva accepts the Raymond C. Moore Medal from President John Anderson.

Four professors had a major impact on my geologic interests. At the University of Oregon, Ewart Baldwin taught stratigraphy and shared his poetic view of earth history, and Walter Youngquist taught paleontology and provided an example of perseverance in all aspects of life. At the University of Washington, Standish Mallory and Harry Wheeler provided an introduction to integrated geoscience and sequence stratigraphy.

The foundation from those professors and their peers served me well at Mobil Oil Corporation, my employer for 26 years. Mobil provided the opportunity to work globally with some very competent scientists and good friends, including two SEPM Presidents, Richard Moiola and Rick Sarg. Without the support of Mobil management my participation in SEPM would not have been as extensive.

SEPM provided access to a network of outstanding geoscientists who openly shared their knowledge, and more importantly, their passion for unraveling earth history. People like Mandy Natland, John Harnes, Arnold Bouma, Jim Coleman, Roger Walker, Ed Clifton, Ed Picou, and a host of others have become friends through the years of conferences, field trips, and Council meetings.

Most importantly has been the support of my family. My parents shared a deep love of our natural world through family vacations to the national parks and encouragement to participate in science fairs. My wife, Kae, and sons, Jeff and Jim, who were often subjected to my passion for geology, provided a stable and supportive home. The family vacations of the "Basins and Ranges" and "Road-side Slumps" are legend within the family.

I am honored by the Society's bestowal of Honorary Membership upon me, and look forward to many more years of sharing sedimentary geology with fellow members.

Raymond C. Moore Medal For Sustained Excellence in Paleontology Isabella Premoli-Silva

Citation: To Isabella Premoli-Silva for her seminal contributions to the field of Cretaceous and Tertiary micropaleontology, biostratigraphy, paleoecology, paleobiogeography and paleoceanography, and for her untiring efforts on behalf of the micropaleontological community to promote international participation in the ocean drilling program.

Biography: Professor Isabella Premoli-Silva has been one of the world's leading researchers in the fields of micropaleontology and stratigraphy for over 40 years, publishing regularly on many related topics in Cretaceous and Tertiary stratigraphy. She has been an indefatigable and ardent practitioner and proponent of the use of foraminifera in many aspects of paleoceanography and biostratigraphy.

Isabella has been associated with some of the most important discoveries in soft-rock geology in the last several decades. Her paper with Hans Peter Luterbacher represents one such contribution that led Alvarez and colleagues to look carefully at the Gubbio section in Italy for the mass extinctions and bolide impact evidence at the Cretaceous–Tertiary boundary. In fact when they were looking for the Iridium spike in support of their impact hypothesis, they turned to Isabella to provide the first-order stratigraphy. Her biostratigraphic studies on Gubbio section also provided the first calibration of the Upper Cretaceous to Eocene reversal polarity scale. Similarly, the discovery of the Cretaceous Superplume in the mid-Pacific was greatly aided by the presence of Isabella on board D/V Glomar Challenger whose expertise

in Cretaceous foraminifera provided the crucial age control and stratigraphy needed for interpretations. Her careful foraminiferal biogeographic work on the Atlantic published in *Journal of Geophysical Research* (with Haq and Lohmann) remains a classic to this day. In short, Isabella has contributed prodigiously to many fields of soft-rock geology, including seminal papers in biostratigraphy and biochronology, foraminiferal taxonomy, paleoecology, paleobiogeography, paleoceanography, and marine geology.

In addition to the sheer volume and diversity of work, Isabella has also produced excellent students who have gone on to make names for themselves. She was an ardent supporter of deep sea drilling (DSDP and later, ODP) in Europe and has been extremely active in its advisory structure, in addition to taking part as shipboard scientist on eight legs, two as co-chief scientist. She has also been very active in numerous Italian, European, and International (IUGS) committees, serving the paleontological community in various capacities and as a member of the editorial boards of several paleontological and geological journals. For her work and her deep commitment to the geological community the Geological Society of America elected her an honorary fellow in 1988. In 2002 the Cushman Foundation for Foraminiferal Research honored her by awarding her the Cushman Award at their annual meeting. She also received the "Premio Linneo di Paleontologia" award from the Italian National Academy in 1988.

The above are but a few examples of Isabella Premoli-Silva's accomplishments and her impressive productivity in the field of marine micropaleontology. She may easily be the most prolific still-practicing micropaleontologist of her generation in the world today and richly deserves the honor represented by SEPM's Moore Medal. Raymond Moore himself would be proud of having Isabella Premoli-Silva as a recipient of the award named in his honor.

Bilal U. Haq

Response from Isabella Premoli-Silva

Mr. President, to be awarded the Moore Medal is a great honor for a micropaleontologist. It is therefore with sincere gratitude that I thank SEPM for this prestigious acknowledgment and Bilal Haq for his laudatory biography and citation.

Looking at fossils through a microscope, or even more counting them, is a time consuming job that no many scientists would like to do in these days when numbers seem to pay off better. Well, the Moore award is given to a micropaleontologist still looking and counting planktonic foraminifera.

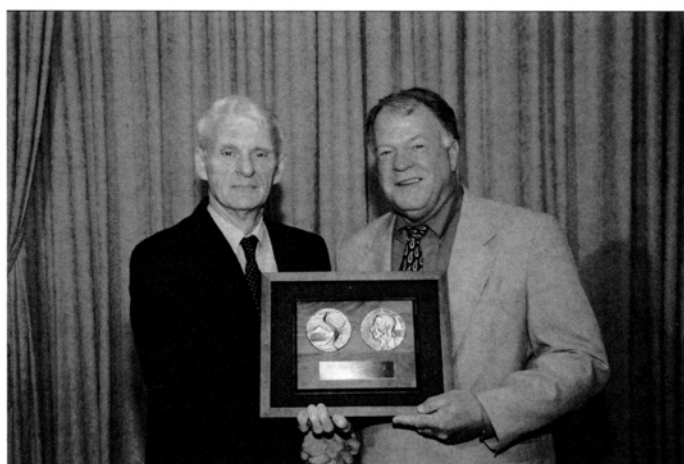
I had the fortune to have as first mentor Maria Bianca Cita who enthusiastically introduced me to planktonic and benthic foraminifera and to the secret of stratigraphy. My second mentor was Manfred Reichel in Basel from whom I learned larger foraminifera and how to reconstruct them in 3D from bi-dimensional outlines.

When I started my micropaleontological studies planktonic foraminiferal biostratigraphy was developing and applied to stratigraphic problems, with the aim of defining the previously unknown fossil content of Cenozoic (especially Miocene) stratigraphic type-sections of historical stages. Moreover, one of the main interests at that time was focused on the major turnover that affected the marine realm at the end of the Cretaceous. In trying to provide evidence for the causes of such mass extinction, that Hanspeter Luterbacher and I studied at Gubbio, the re-investigation of pelagic rocks exposed at Gubbio by Al Fischer, G. Napoleone, and myself, led to the first biostratigraphic calibration of the sequence of oceanic magnetic anomalies then to the reconstruction of the first magnetostratigraphic scale from the Upper Cretaceous through the Paleocene.

After having participated to my first DSDP cruise in the Caribbean in the 70s, as a young scientist among the famous Hans Bolli, Bill Riedel, and Bill Hay, the focus of my research shifted from biostratigraphy, even though never abandoned, to paleobiogeography and paleoceanography using changes in planktonic foraminiferal assemblages through space and time of the Atlantic Ocean in the Paleogene (with Bil Haq and Pat Lohmann at Woods Hole).

In my life, thanks to my visit to Woods Hole and participation to several DSDP and ODP cruises and advisory structure, I had the fortune to meet and interact with outstanding paleontologists as well as geologists. Besides my mentors and coauthors, I would like to mention especially Anne Boersma and Pamela Hallock, who during a long and fruitful collaboration introduced me to the paleoenvironmental factors that control at various stages the growth and proliferation of planktonic foraminifera; the late Bill Sliter, with whom we worked on Cretaceous successions using changes through space and time in planktonic foraminiferal gross morphology for paleoceanographic reconstruction, also re-evaluating the usefulness of studying them in thin section from hard lithologies; last, but not least, Al Fischer, who introduced me to cyclostratigraphy and stimulated my interests and those of my former student Elisabetta Erba, now a nanofossil specialist, on Cretaceous black shales drilling the famous Piobbico core in Italy.

With all these people I have had the privilege of sharing ideas and research



Richard Sternberg, left, accepts the Francis P. Shepard Medal from President John Anderson.

projects that allowed me to increase my knowledge in fields other than planktonic foraminifera.

To all of them as well as to all the others I did not mention for brevity I express my gratitude including my numerous students to whom I always tried to pass what I have learned and whose work I am very proud of.

Francis P. Shepard Medal For Sustained Excellence in Marine Geology Richard W. Sternberg

Citation: In recognition of his many accomplishments in Marine Geology, including: research into sediment transport by marine boundary layers, education of diverse students into the wonders of marine sedimentation, and leadership of his community in areas of publishing, academics, and instrument development.

Biography: While others debated the operation of marine boundary layers to transport sediment, Dick was the first to investigate them directly. As the father of tripod-mounted instrument systems, he spawned a community of scientists who have complemented his continuing research legacy.

A product of southern California, Dick received his B.S. from UCLA before moving to the University of Washington for his M.S. and Ph.D. As a graduate student, he worked with Joe Creager to investigate boundary layers in Puget Sound tidal channels. This work broke new ground in our understanding of marine sediment transport. Although sensors have steadily improved, the basic design of boundary-layer systems has remained as created over forty years ago.

His early research focused upon documentation of critical parameters for sediment transport. As technological advances provided new opportunities, Dick was quick to respond. Hard-wired circuit boards gave way to microprocessors. EM current meters and optical concentration sensors opened new windows for research. Together with his own students, he helped open them wider—developing such devices as optical backscatterance sensors for high concentrations of suspended sediment, and *in situ* settling columns for measurement of flocc settling velocities. With his students, he ventured into new areas of study: the seabed, continental shelves, muddy deltas, sandy beaches, ice-covered water.

As Dick's research successes grew, other aspects of his personality allowed him to become a leader in the marine geology community. He has a patient wisdom, which has made him a critical member of many multi-investigator programs, an effective director of Oceanography at the University of Washington, and a successful co-founder/editor of the journal *Continental Shelf Research*.

Through all sea conditions, Dick has maintained a steady course and in his wake there lie many diverse accomplishments—which have significantly advanced the field of marine geology.

Charles Nittrouer

Reply from Richard Sternberg

I was delighted to learn that I had been awarded the Shepard Medal for Marine Geology. It is a distinct honor to be acknowledged by the Society for Sedimentary Geology. It is even more significant because I knew Francis Shepard and have great

admiration for his lifelong contributions to the field. I would also like to thank Chuck Nittrouer for his kind words in my Citation and Biography.

Receiving a prestigious award such as the Shepard Medal for outstanding research contributions makes me pause to review my career. Upon reflection, two issues stand out. The first issue relates to the originality of the contributions—the basis of one's recognition. It is not a straightforward task to isolate my unique research contributions. Beginning with my wife, Lois, and children, Jim, Tom, and Mary Beth, who provided encouragement and support over many years; my mentor, Joe Creager, who taught, advised, and shared his wisdom on the scientific endeavor; and including a great number of colleagues, graduate students, engineering and field support personnel, and friends who openly discussed and shared scientific concepts over the years, one's unique contributions tend to become less distinct. So this award is shared by many. The second issue is the selection processes—the basis of the award. Academic research scientists usually discover that recognition of their work rests not so much within their home institutions, but within the scientific community at large. These are the specialists most qualified to evaluate one's research accomplishments and incorporate important new findings into the body of knowledge of their field. For that reason I would like to thank all of those involved with the nomination and selection process leading to this award.

Reflecting on these two issues has been most rewarding. On the one hand, it has given me great appreciation for the important people that have helped to shape my career. On the other hand, it has revealed a broader scientific community which has judged my research contributions as outstanding. It has been a wonderful career of challenges and enjoyment and it is rewarding to learn that one's research accomplishments are considered to have contributed significantly to the collective knowledge of Marine Geology.

**Francis J. Pettijohn Medal
For Sustained Excellence in Sedimentology
H. Edward Clifton**

Citation: H. Edward Clifton, for trailblazing work in geological and biological aspects of shelf and nearshore sedimentology; for pioneering work in modern environments and application of the results to the geological record; for leadership in stimulating, organizing, and communicating work in sedimentology; and for leading unforgettable field trips.

Biography: H. Edward Clifton received his Ph.D. in 1963, having worked under Francis Pettijohn at Johns Hopkins. He began his professional career with the USGS in California, working on prograding shoreline deposits. This work led to one of the first descriptions of shoreface shallowing-upward successions (1966).

A persistent theme in Ed's career has been the close comparison of ancient and modern sediments. He began his classic scuba diving studies as chief of the Pacific Coast Sedimentology Project, working on the open coast of Oregon. There, he described both the subaqueous facies and depositional processes in the non-barred nearshore environment. Modern-ancient comparisons continued in Willapa Bay, with scuba diving in the bay and facies analysis of the Pleistocene terrace deposits behind the bay. He established the facies and stratigraphic characters of estuary fill deposits, described their relative preservation potential, and provided a framework for subsequent ichnological contributions. Ed was an Aquanaut in Tektite I and Crew

Chief in Tektite II (St. John, U.S. Virgin Islands), spending a total of eighty days underwater, studying faunal-sediment interactions, and contributing to physiological and human behavioral studies (paving the way for NASA's Skylab Program).

He has led several enjoyable field trips to Point Lobos, where he used the fabric and the lateral and vertical grading in deep water conglomerates to show that modified grain flow is an important depositional mechanism.

Ed has served an AAPG distinguished lecturer (1995–96) and as a consulting professor of sedimentology at Stanford University (1983–1991). Somehow, he has found time to work on 10 SEPM committees, as well as serving as SEPM President (1986–87), and IAS Vice-President (1990–94). His work with the USGS has been recognized by three Superior Performance Awards, a Meritorious Public Service Award (US Navy, 1969), and a Distinguished Service Award (US Department of the Interior 1969).

His work has been both pioneering and enduring. His excellence in sedimentology comes from his leadership, his careful observations on the small scale, and his skill in placing these observations into the larger stratigraphic picture. He has indeed kept us all "alert, awake, and around for the conclusions."

Roger Walker

Reply from H. Edward Clifton

What a lucky guy I am! I discovered geology at a very early age, when a close family friend, a geologist named Thomas D. Murphy, taught me that every rock tells a story. He later introduced me to JSP, SEPM, and Francis Pettijohn. I was fortunate to be accepted at Johns Hopkins, and then to find a job with the USGS, which initiated and supported my interest in shallow marine clastics. I am lucky to have so many estimable colleagues who are good friends, and most of all I am blessed with a great family and a wonderful wife, Ann, who put up with me all these years.

**William F. Twenhofel Medal
For a Career of Outstanding Contributions in Sedimentary
Geology
Emiliano Mutti**

Citation: Emiliano Mutti, for classic pioneering work on deep-water turbidite systems in tectonically mobile basins; for his innovative work on flood-dominated deltaic deposits and their relationships to turbidite systems; for teaching and inspiring; for his passion for field geology; and for tortillas, vino tinto, and good conversation on field trips to Spain.

Biography: Emiliano Mutti was born in 1933 near the small lake, Orta in northern Italy. During WWII his father Ido moved the family to the small mountain village of Nociveglia in the Northern Apennines. Surrounded by rocks and forests, Emiliano developed a love for the mountains that he has never lost. Later, when he realized that the rocks in this valley were turbidites, he returned to study them and produce classic papers on deep-water depositional systems.

Emiliano completed a Masters degree in geology at the University of Milan in 1959. His thesis was on the stratigraphy and structure of Tertiary Macigno turbidites in the Northern Apennines. From 1960–65 Emiliano was assistant professor of sedimentology at the University of Milan.

In 1965, interest in research led him to accept a job with the Esso Production Research Lab in Bordeaux, the European affiliate of Exxon Production Research Company in Houston. Through this connection, Emiliano met Chuck Campbell, and the two of them did field work in Italy. After several weeks, Chuck invited Emiliano to the US for additional training. The time spent with Chuck was a turning point in Emiliano's career. He describes the experience this way:

"At that time I had a lot of experience in field mapping and knew turbidites quite well. Chuck realized that I didn't know anything else. He took me into the field in the States and taught me how to recognize fluvial and shallow-marine. Most importantly he taught me his stratigraphic approach."

In 1969 Emiliano resigned from Esso to become a professor at the University of Torino. In 1971 he received his PhD and in 1975 he became a full professor. In 1982 Emiliano moved to the University of Parma where he is currently a full professor of sedimentary geology.

During his career Emiliano has mainly worked on stratigraphy and sedimentology of turbidite basins in fold-thrust belts, notably in the Spanish Pyrenees, the northern Apennines, and Greece. Much of his work is summarized in classic papers coauthored with Franco Ricci Lucchi, and Bill Normark. Since 1989 his work has focused on stratigraphy and facies analysis of flood-dominated fluvio-deltaic deposits and their relationships to turbidite systems in many tectonically mobile basins worldwide.

Emiliano is a field geologist with a very strong passion for sedimentary rocks.



H. Edward Clifton, left, accepts the Francis J. Pettijohn Medal from President John Anderson.

Anyone who has been in the field with him knows that he is a master of observation and description. He always carries a sketchpad in the field; his sketches of outcrops are extraordinary for their detail and ability to sort out complex sedimentary relationships. All of his papers are characterized by superb photographs, which are the result of his love of photography.

Emiliano has received numerous awards and honorary memberships in geological societies. He has written over 100 scientific papers and several books on stratigraphy and turbidite systems. He is a superb field geologist, has taught an entire generation of sedimentologists, and has advanced facies geology to new levels.

John C. VanWagoner

Reply from Emiliano Mutti

To be awarded the Twenhofel Medal is a great honor. Therefore it is with sincere gratitude that I thank SEPM for this prestigious acknowledgement and John Van Wagoner for his generous biography and citation.

Surprisingly, at a time when many geologists have moved to computer science, the award is given to a geologist who has spent most of his life in the field. I sincerely hope that this will encourage some young scientists to take more time to look at the rocks. Trying to understand them requires humility and patience, which may pay off only in the long term.

In my life I have had the fortune to meet outstanding geologists. I would like to mention in particular Piero Elter and Chuck Campbell, who taught me at the very beginning of my career that there is no geology without a strong passion for it; Franco Ricci Lucchi, who coauthored the most popular paper I ever wrote and is also a great friend; Joan Rosell, who introduced me to the superb geology of the Pyrenees; Gerry Middleton and Tor Nilsen, who made the Mutti and Ricci Lucchi paper popular outside Italy; Bill Normark, with whom I shared wine tasting, but also one of the scientifically most interesting periods of my life; and Mario Carminatti, Carlos Gulisano, and Leonardo Legarreta, who introduced me to the spectacular onshore and offshore geology of South America. With all these people I have had the privilege of sharing ideas and thus the opportunity to improve as a geologist and, more importantly, as a person. To all of them and to the many students I have had over the years I express my gratitude.

I owe my scientific curiosity to my father Ido and my strong character to my mother Natalina. But without the love, patience, and daily sacrifices of my wife Edda, my career as a field geologist would have been impossible. I should also apologize to my daughter Maria and my son Luigi for my long absences from home



Eugene Rankey, left, accepts the Best Paper Award from President John Anderson.



Tristan Euzen, left, accepts the Excellence in Poster Presentation Award from President John Anderson.

when they were children, but I hope they may understand and forgive me. My grandson Linus inspires me always to look forwards. I hope I can take him to the field soon.

OTHER AWARDEES

2002 Outstanding Paper in the Journal of Sedimentary Research

“Spatial patterns of sediment accumulation on a Holocene carbonate tidal flat, northwest Andros Island, Bahamas”

Eugene C. Rankey

2002 Outstanding Paper in Palaios

“Nutritional modes in coral–microbialite reefs (Jurassic, Oxfordian, Switzerland): evolution of trophic structure as a response to environmental change”

Christophe Dupraz and Andre Strasser

Excellence in Poster Presentation

“Regional outcrop study and 3-D stratigraphic modelling in a foreland basin setting: the example of the Grès d’Anot turbidite formation (French Alps)”

Elodie du Fornel, Phillipe Joseph, François Guillocheau, Tristan Euzen, and Didier Grandjeon

Excellence of Oral Presentation

“Depositional controls on the distribution of ferroan dolomite cement in the Virgelle Member (Eagle-equivalent) sandstones, Writing-on-Stone, southern Alberta, Canada”

Rudolph Meyer



EMMONS, HARTOG & SWARTHOUT, P.C.

CERTIFIED PUBLIC ACCOUNTANTS

1560 East 21st Street, Suite 300 • Tulsa, OK 74114-1302
Phone: 918-743-2581 • Fax: 918-742-9057 • Internet: www.ehsweb.comPaul P. Hartog, Ext. 116
Lee R. Swarthout, Ext. 120

INDEPENDENT AUDITORS' REPORT

SEPM Council
SEPM (Society for Sedimentary Geology)
Tulsa, Oklahoma

We have audited the accompanying statements of financial position of SEPM (Society for Sedimentary Geology) as of December 31, 2003 and 2002, and the related statements of activities and cash flows for the years then ended. These financial statements are the responsibility of the Society's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of SEPM (Society for Sedimentary Geology) as of December 31, 2003 and 2002, and the changes in its net assets and its cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

Emmons, Hartog & Swarthout, P.C.

Tulsa, Oklahoma
February 16, 2004

TABLE 1.—Membership Statistics

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
SEPM MEMBERSHIP													
Members	5,360	5,438	5,408	5,241	5,153	5,067	4,804	4,706	4,625	4,597	4,299	4,156	3,790
Nondues Paying Members	116	125	133	206	237	236	239	296	261	200	192	265	205
	5,476	5,563	5,541	5,447	5,390	5,303	5,043	5,002	4,886	4,797	4,491	4,421	3,995
PALAIOS MAILING LIST													
SEPM Members & Honorary	1,206	1,289	1,297	1,258	1,196	1,049	1,034	1,040	992	937	906	810	812
SEPM Members (Students)	120	166	198	214	188	43	175	187	148	169	149	109	138
Subscribers	446	455	459	450	435	424	432	440	447	430	456	494	509
	1,772	1,910	1,954	1,922	1,819	1,516	1,641	1,667	1,587	1,536	1,511	1,413	1,459
Journal of Sedimentary Research MAILING LIST													
SEPM Members & Honorary	4,077	4,031	3,919	3,816	3,696	3,264	3,180	3,170	2,959	2,859	2,569	2,107	2,175
SEPM Members (Students)	397	451	498	511	520	505	479	482	397	422	268	253	298
Subscribers	1,630	1,601	1,568	1,506	1,319	1,340	1,298	1,310	1,204	1,176	1,176	1,122	1,073
	6,104	6,083	5,985	5,833	5,535	5,110	4,957	4,962	4,560	4,457	4,013	3,482	3,546
NEW MEMBER INFORMATION													
Applications Completed	318	530	467	382	435	348	349	335	198	236	181	229	296
Reinstatements	49	27	33	31	10	18	21	19	16	15	12	10	8
Transfers	21	8	3	—	—	—	—	—	—	—	—	—	—
Resigned	66	104	99	70	69	36	45	31	34	29	14	15	45
Deceased	7	10	14	20	10	8	21	17	15	16	5	4	5
Dropped for non-payment o	356	409	417	417	378	625	346	288	281	236	306	713	294

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

STATEMENTS OF FINANCIAL POSITION
December 31, 2003 and 2002

ASSETS	2003	2002
Current Assets		
Cash and cash equivalents	\$ 308,443	\$ 405,597
Accounts receivable	2,880	631
Inventories	278,858	302,388
Prepaid expenses	50,401	44,126
Total current assets	640,582	752,742
Non-Current Assets		
Furniture and equipment, less accumulated depreciation	22,799	30,186
Long-term investments, including board-designated funds of \$620,284 and \$503,015	1,309,083	1,057,429
	\$ 1,972,464	\$ 1,840,357
LIABILITIES AND NET ASSETS		
Current Liabilities		
Accounts payable and accrued liabilities	\$ 46,936	\$ 41,747
Deferred income	402,603	455,715
Total current liabilities	449,539	497,462
Net Assets - Unrestricted	1,522,925	1,342,895
	\$ 1,972,464	\$ 1,840,357

See Accompanying Summary of Accounting Policies and Notes to Financial Statements.

4

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

STATEMENTS OF CASH FLOWS
Years Ended December 31, 2003 and 2002

	2003	2002
Cash Flows from Operating Activities		
Change in unrestricted net assets	\$ 180,030	\$ (181,128)
Adjustments to reconcile decrease in unrestricted net assets to net cash provided by operating activities:		
Depreciation	11,781	26,739
Net realized and unrealized (gain) loss on investments	(225,944)	183,063
(Increase) decrease in:		
Accounts receivable	(1,369)	3,169
Inventory	23,530	(1,347)
Prepaid expenses	(6,275)	(11,863)
Increase (decrease) in:		
Accounts payable and accrued expenses	24,815	9,024
Deferred income	(53,112)	26,452
Deferred compensation payable	-	(19,837)
Due to affiliate	(20,506)	2,887
Net cash provided by operating activities	(67,050)	37,159
Cash Flows from Investing Activities		
Payments for purchase of equipment	(4,394)	(17,721)
Purchase of investments	(132,954)	(212,928)
Proceeds from maturations and sales of investments	107,244	189,270
Net cash (used in) investing activities	(30,104)	(41,379)
Net (Decrease) in Cash	(97,154)	(4,220)
Cash and Cash Equivalents - Beginning of Year	405,597	409,817
Cash and Cash Equivalents - End of Year	\$ 308,443	\$ 405,597
Supplemental Cash Flows Information		
Interest paid	-	-
Income taxes paid	-	-

See Accompanying Summary of Accounting Policies and Notes to Financial Statements.

6

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

STATEMENTS OF ACTIVITIES
Years Ended December 31, 2003 and 2002

CHANGES IN UNRESTRICTED NET ASSETS	2003	2002
Revenues, Gains and Other Support		
Dues	\$ 76,150	\$ 72,133
Publications	241,204	186,271
Journal of Sedimentary Petrology - subscriptions, royalties and other	368,045	394,292
Palaios - subscriptions, royalties and other	141,372	126,757
Continuing education	29,595	45,322
Meetings, conferences and field trips	64,869	129,699
Membership activities	36,196	37,255
Royalties - New Frontiers Fund	-	657
Net realized and unrealized gain (loss) on investments	225,944	(183,063)
Investment income	28,289	27,364
Total revenues, gains and other support	1,211,664	836,687
Expenses		
Publishing costs - Journal of Sedimentary Petrology	218,835	197,279
Publishing costs - Palaios	105,158	114,453
Publications	179,330	126,248
Continuing education	19,104	22,927
Meetings, conferences and field trips	35,263	106,653
Membership activities	78,253	47,735
General and administrative	395,691	402,520
Total expenses	1,031,634	1,017,815
Change In Unrestricted Net Assets	180,030	(181,128)
Net Assets - Beginning of Year	1,342,895	1,524,023
Net Assets - End of Year	\$ 1,522,925	\$ 1,342,895

See Accompanying Summary of Accounting Policies and Notes to Financial Statements

5

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

SUMMARY OF ACCOUNTING POLICIES

Organization and Business

On September 27, 1987, the Society of Economic Paleontologists and Mineralogists (Society) became a separate entity from the American Association of Petroleum Geologists. Prior to this date, the Society was an unincorporated technical division of the American Association of Petroleum Geologists. In the event of the dissolution of the Society, the net assets will be donated to charitable, scientific or educational institutions; no assets shall inure to the benefit of any member.

The objective of the Society is to advance the science of stratigraphy through the dissemination of scientific knowledge of, promotion of, research in, and other contributions to paleontology, sedimentology, and allied disciplines.

The Society primarily deals with members of the organization for services, to universities and oil-related companies for attendance at educational schools, workshops, and short courses, and for sales of special publications. Substantially all customers are located in oil-producing regions both within the United States of America and internationally.

Estimates

In preparing financial statements in conformity with generally accepted accounting principles, management is required to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and revenues and expenses during the reporting period. Actual results could differ from those estimates.

Inventory

Inventory consists of special publications (including short course notes), which excludes the journals published by the Society. The limited excess quantities of the journals are provided as reference material to the profession and, as such, are not inventoried.

Special publications are valued at cost (specific identification) in the year of publication and the next two succeeding years. After this period, publications are valued at 50% of cost, with the further limitation that the valuation of publications over five years old is limited to 100 copies. Resulting inventory write-downs were as follows:

7

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

SUMMARY OF ACCOUNTING POLICIES

	2003	2002
Publications	\$ 63,196	\$ 24,365
Continuing education	-	100
	<u>\$ 63,196</u>	<u>\$ 24,465</u>

Inventory consists of the following:

	2003	2002
Publications	\$ 218,337	\$ 271,959
Continuing education materials	28,007	13,988
Work in process	32,514	16,441
	<u>\$ 278,858</u>	<u>\$ 302,388</u>

Furniture and Equipment

Furniture and equipment are valued at cost. Depreciation is provided using the straight-line method over the useful life, three to 7 years.

Cash and Cash Equivalents

The Society considers all cash and short-term securities with maturities of three months or less when purchased as cash and cash equivalents.

Tax Status

The Society is exempt from taxation under Section 501(c)(3) of the Internal Revenue Code. It is not a private foundation.

Revenue Recognition

The Society recognizes income and expense on the accrual accounting basis for financial statement presentation.

Membership dues and subscriptions are recognized as revenue ratably over the period of membership or subscription term.

8

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

NOTES TO FINANCIAL STATEMENTS

Note 1. Furniture and Equipment

Included under this caption are the following:

	2003	2002
Furniture and equipment	\$ 133,161	\$ 128,767
Less accumulated depreciation	110,362	98,581
Net furniture and equipment	<u>\$ 22,799</u>	<u>\$ 30,186</u>

Note 2. Pension Plans

The Society maintains a defined contribution pension plan. Qualified employees who have attained the age of 21 and completed one year of service are eligible to participate. The Society contributes a minimum of 7.5% of an employee's qualified salary. Pension expense for 2003 and 2002 amounted to \$14,913 and \$8,820, respectively. The Society also maintains a Simplified Employee Pension Plan. Qualified employees who have attained the age of 21 and completed one year of service are eligible to participate. Contributions by the Society are discretionary. The Society did not contribute to this plan in 2003 or 2002. Participants can make elective contributions not to exceed \$12,000 in a plan year (adjusted for increases in cost of living).

Note 3. Investments

Investments at December 31, 2003 and 2002, consist of the following:

	Historical Cost	Market (Carrying Amount)
December 31, 2003		
General Investments		
Cash and cash equivalents	\$ 77,570	\$ 77,570
Growth and capital appreciation funds	308,974	285,487
Bond and balanced funds	155,652	135,267
International funds	177,998	190,475
Total general investments	<u>720,194</u>	<u>688,799</u>

10

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

SUMMARY OF ACCOUNTING POLICIES

Contributions

Donor-restricted contributions are classified as unrestricted support if the restrictions are satisfied in the same reporting period in which the contribution was received.

Advertising Expense

Advertising costs are expensed when incurred. No advertising expenses were incurred during the years ended December 31, 2003 and 2002.

9

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

NOTES TO FINANCIAL STATEMENTS

Note 3. Investments (Continued)

	Historical Cost	Market (Carrying Amount)
December 31, 2003 (Continued)		
New Frontiers Fund		
U.S. Government and agency obligations	\$ 56,942	\$ 63,651
Cash and cash equivalents	1,243	1,243
Growth and capital appreciation funds	416,424	472,147
Bond and balanced funds	80,129	83,243
Total New Frontiers Fund	<u>554,738</u>	<u>620,284</u>
Total Investments	<u>\$ 1,274,932</u>	<u>\$ 1,309,083</u>

	Historical Cost	Market (Carrying Amount)
December 31, 2002		
General Investments		
Cash and cash equivalents	\$ 77,021	\$ 77,021
Growth and capital appreciation funds	374,338	243,261
Bond and balanced funds	113,398	88,234
International funds	169,785	145,898
Total general investments	<u>734,542</u>	<u>554,414</u>
New Frontiers Fund		
U.S. Government and agency obligations	53,518	61,889
Cash and cash equivalents	1,232	1,232
Growth and capital appreciation funds	412,054	362,786
Bond and balanced funds	76,159	77,108
Total New Frontiers Fund	<u>542,963</u>	<u>503,015</u>
Total Investments	<u>\$ 1,277,505</u>	<u>\$ 1,057,429</u>

11

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

NOTES TO FINANCIAL STATEMENTS

Note 3. Investments (Continued)

Realized and unrealized gains and losses were as follows:

	2003	2002
Unrealized (Losses) Gains	\$ 254,226	\$ (77,055)
Realized (Losses)	(28,282)	(106,008)
Total realized and unrealized gains and losses	\$ 225,944	\$ (183,063)

Note 4. Deferred Income

Deferred income consisted of the following:

	2003	2002
Dues	\$ 48,543	\$ 43,153
Subscriptions	332,508	328,713
Publications in process and other	21,552	83,849
Total	\$ 402,603	\$ 455,715

Note 5. Commitment

The Society leases its offices and warehouse under operating leases. Total minimum rent commitments for space and equipment leases are as follows:

December 31,	
2004	\$ 39,547
2005	15,727
2006	2,464
2007	821

Rent expense was \$36,572 and \$30,379 in 2003 and 2002, respectively.

SEPM (SOCIETY FOR SEDIMENTARY GEOLOGY)

NOTES TO FINANCIAL STATEMENTS

Note 6. Unrestricted Net Assets

Unrestricted net assets consist of the following:

	2003	2002
General Fund	\$ 954,225	\$ 889,098
New Frontiers Fund	568,700	453,797
	\$ 1,522,925	\$ 1,342,895

The New Frontiers Fund represents board-designated funds for the purpose of funding the development of science and education. The board has designated one-third of the royalties from the Copyright Clearance Center, Inc., to be used specifically for the building of this fund.

At December 31, 2003 and 2002, the New Frontiers Fund consisted of the following:

	2003	2002
Investments	\$ 620,284	\$ 503,015
Amount due - operating fund	(51,584)	(49,218)
Total Investments	\$ 568,700	\$ 453,797

Note 7. Related Party Transactions

The Society received \$8,000 and \$8,002 for the years ended December 31, 2003 and 2002, respectively, from the SEPM Foundation, Inc. (an affiliated non-profit entity) for management fees.

The Society had receivables from (payables to) the SEPM Foundation, Inc. of \$880 and (\$19,626) at December 31, 2003 and 2002, respectively.

Note 8. Concentration of Credit Risk

The Society maintains its cash in bank deposit accounts which, at times, may exceed federally insured limits. The Society has not experienced any losses in such accounts. The Society believes it is not exposed to any significant credit risk on cash and cash equivalents.

12

United States Postal Service

Statement of Ownership, Management, and Circulation

1. Publication Title Journal of Sedimentary Research	2. Publication Number 1 5 2 7 - 1 4 0 4	3. Filing Date 08/31/2004
4. Issue Frequency 6 times a year	5. Number of Issues Published Annually 6	6. Annual Subscription Price \$250.00
7. Complete Mailing Address of Known Office of Publication (Not printer) (Street, city, county, state, and ZIP+4) 6128 East 38th St., Ste. 308; Tulsa, OK 74135-5814 (Tulsa County)		Contact Person Theresa Scott Telephone 918-610-3361 x11
8. Complete Mailing Address of Headquarters or General Business Office of Publisher (Not printer) 6128 East 38th St., Ste. 308; Tulsa, OK 74135-5814 (Tulsa County)		
9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor (Do not leave blank)		
Publisher (Name and complete mailing address) SEPM (Society for Sedimentary Geology) 6128 East 38th St., Ste. 308 Tulsa, OK 74135-5814		
Editor (Name and complete mailing address) Dr. David A. Budd and Dr. Mary J. Kraus Dept. of Geological Sciences, University of Colorado 2200 Colorado Avenue, Boulder, CO 80309-0399		
Managing Editor (Name and complete mailing address) SEPM (Society for Sedimentary Geology) Mrs. Theresa Scott 6128 East 38th St., Ste. 308; Tulsa, OK 74135-5814		
10. Owner (Do not leave blank. If the publication is owned by a corporation, give the name and address of the corporation immediately followed by the names and addresses of all stockholders owning or holding 1 percent or more of the total amount of stock. If not owned by a corporation, give the names and addresses of the individual owners. If owned by a partnership or other unincorporated firm, give its name and address as well as those of each individual owner. If the publication is published by a nonprofit organization, give its name and address.)		
Full Name Complete Mailing Address SEPM (Society for Sedimentary Geology) 6128 East 38th St., Ste. 308 Tulsa, OK 74135-5814		

11. Known Bondholders, Mortgagees, and Other Security Holders Owning or Holding 1 Percent or More of Total Amount of Bonds, Mortgages, or Other Securities. If none, check box.	<input checked="" type="checkbox"/> None
Full Name Complete Mailing Address	None

12. Tax Status (For completion by nonprofit organizations authorized to mail at nonprofit rates) (Check one)
The purpose, function, and nonprofit status of this organization and the exempt status for federal income tax purposes:
☒ Has Not Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)
☐ Has Changed During Preceding 12 Months (Publisher must submit explanation of change with this statement)

PS Form 3526, October 1999

(See Instructions on Reverse)

13. Publication Title Journal of Sed Research	14. Issue Date for Circulation Data Below July 2004
15. Extent and Nature of Circulation	Average No. Copies Each Issue During Preceding 12 Months
a. Total Number of Copies (Not press run)	3600
(1) Paid and/or Requested Circulation	2007
(2) Paid in Advance (Subscriptions Stated on Form 3541 (Include advertiser's proof and exchange copies))	2004
(3) Sales Through Dealers and Carriers, Street Vendors, Counter Sales, and Other Non-USPS Paid Distribution	1224
(4) Other Classes Mailed Through the USPS	1249
c. Total Paid and/or Requested Circulation (Sum of 15b (1), (2), (3), and (4))	3231
d. Free Distribution by Mail (Samples, complimentary, and other free)	7
(1) Outside County as Stated on Form 3541	8
(2) In-County as Stated on Form 3541	197
(3) Other Classes Mailed Through the USPS	47
e. Free Distribution Outside the Mail (Carriers or other means)	204
f. Total Free Distribution (Sum of 15d and 15e)	55
g. Total Distribution (Sum of 15c and 15f)	3435
h. Copies Not Distributed	165
i. Total (Sum of 15g and h.)	3600
j. Percent Paid and/or Requested Circulation (15c divided by 15g times 100)	948
16. Publication of Statement of Ownership	Publication not required.
17. Signature and Title of Editor, Publisher, Business Manager, or Owner	Date
Theresa Scott, Business Mgr. SEPM	9-1-04

I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including penalties).

Instructions to Publishers

- Complete and file one copy of this form with your postmaster annually on or before October 1. Keep a copy of the completed form for your records.
 - In cases where the stockholder or security holder is a trustee, include in items 10 and 11 the name of the person or corporation for whom the trustee is acting. Also include the names and addresses of individuals who are stockholders who own or hold 1 percent or more of the total amount of bonds, mortgages, or other securities of the publishing corporation. In item 11, if none, check the box. Use blank sheets if more space is required.
 - Be sure to furnish all circulation information called for in item 15. Free circulation must be shown in items 15d, e, and f.
 - Item "5b, Copies not Distributed, must include (1) newspaper copies originally stated on Form 3541, and returned to the publisher, (2) estimated returns from news agents, and (3) copies for office use, reference, special, and all other copies not distributed.
 - If the publication had Periodicals authorization as a general or requester publication, this Statement of Ownership, Management, and Circulation must be published; it must be printed in any issue in October or, if the publication is not published during October, the first issue printed after October.
 - In item 16, indicate the date of the issue in which this Statement of Ownership will be published.
 - Item 17 must be signed.
- Failure to file or publish a statement of ownership may lead to suspension of Periodicals authorization.

PS Form 3526, October 1999 (Reverse)

13