

2002 ANNUAL REPORT

— For the Fiscal Year July 1, 2001 to June 30, 2002 —

The American Association of Petroleum Geologists

The American Association of Petroleum Geologists was founded in 1917 during the infancy of the petroleum industry.

Today the Association has approximately 30,000 members worldwide. Through its headquarters staff, AAPG provides many membership services and strives to facilitate advancement of knowledge in petroleum geology through publications and education programs.

The monthly *AAPG Bulletin* is widely considered a leading scientific journal in petroleum geology. The *AAPG Explorer*, a monthly tabloid, is the Association's vehicle for timely information and insights into the industry in general. The AAPG Web site, located at www.aapg.org, provides association and professional information.

The Association also publishes special scientific publications and research data, provides student scholarships, presents highly regarded education programs and schools for professional geologists, and offers a program of distinguished lecturers to organizations and communities.

AAPG was founded, and continues, as a scientific organization dedicated to

- Advancing the science of geology, especially as it relates to petroleum, natural gas, other subsurface fluids, and mineral resources
- Promoting technology for exploring for, finding, and producing these materials in an economically and environmentally sound manner
- Fostering the spirit of scientific research throughout its membership

• Disseminating information relating to the geology and associated technology of petroleum, natural gas, other subsurface fluids, and mineral resources

- Inspiring and maintaining a high standard of professional conduct on the part of its members
- Providing the public with means of recognition of adequately trained and professionally responsible petroleum geologists
- Advancing the professional well-being of its members

AAPG does not "speak" for the oil industry, but for its individual members—explorers who seek and find hydrocarbon resources.

Founders of AAPG

William F. Absher
Walter J. Allen
J.M. Armstrong
F.L. Aurin
R.F. Baker
John G. Bartram
Mowry Bates
C. Max Bauer
Albert L. Beekly
Walter R. Berger
W. Grant Blanchard
Ed Bloesch
James P. Bowen
Robert Wesley Brown
Alan Bruyer
Frank Bryan
H.A. Buehler
George E. Burton
Frank Buttram
W.R. Calvert
Everett Carpenter
Albert S. Clinkscales
R.A. Conkling
Clifton S. Corbett
G.H. Cox
E.J. Cragoe
A.F. Crider
C.L. Cumming
Edward Hardin Davis
L.R. Dawson
Charles E. Decker

E. DeGolyer
Alexander Deussen
W.E. Dodge
L.G. Donnelly
N.F. Drake
H.D. Easton
Charles R. Eckes
A.E. Fath
Otto A. Fischer
F. Julius Fohs
Thomas J. Galbraith
James H. Gardner
D.L. Garrett
Robert E. Garrett
H.B. Goodrich
Charles N. Gould
Frank C. Greene
Dorsey Hager
Chester A. Hammil
Burton Hartley
Huntsman Haworth
R.S. Hazeltine
K.C. Heald
Bryan Hendon
John M. Herald
Earle P. Hindes
Charles W. Honess
Joseph S. Hook
J.V. Howell
Richard Hughes
V.H. Hughes

L.L. Hutchison
C.E. Hyde
Harry R. Johnson
William Kennedy
Grady Kirby
Charles T. Kirk
William C. Kite
Marvin Lee
Raymond Leibensperger
J. Whitney Lewis
Harve Loomis
Hugh J. Mackay
Alex W. McCoy
Edgar W. McCrary
A. Stafford McCullough
H. Harper McKee
M.G. Mehl
George H. Meyers
William J. Millard
V.E. Monnett
Raymond C. Moore
Francis P. Mully
M.J. Munn
Jerry B. Newby
D.W. Ohern
E.C. Parker
Irving Perrine
G.C. Potter
Sidney Powers
Wallace E. Pratt
Sylvan S. Price

Forest R. Rees
Robert J. Riggs
Charles H. Row
Paul Ruedemann
J.M. Sands
E.W. Scudder
C.L. Severy
C.W. Shannon
Walter M. Small
Carl D. Smith
L.B. Snider
L.C. Snider
W.C. Spooner
Dean M. Stacy
Charles H. Taylor
J. Elmer Thomas
L.E. Trout
Johan A. Udden
Herbert N. Uri
M.M. Valerius
W.A.J.M. van Water-
school van der Gracht
V.V. Waite
Lucian Walker
K.D. White
Earl V. Whitwell
A.J. Williams
E.G. Woodruff
W.E. Wrather
Harry F. Wright

These names are taken from the bronze plaque in the AAPG Headquarters building, Tulsa, Oklahoma, dedicated on March 20, 1953, to the Founders of the Association—Lawrence Tenney Stevens, sculptor.

Reports of the Officers and Foundation

President

Member services continued to be the mantra for the 2001–2002 Executive Committee (EC) with an emphasis on letting members know more about the services already offered. Additionally, many new services were added or enhanced with EC attention.

New Services

Digits, archives, publishing: The digital archives of the AAPG Bulletins from 1917 to present were made available to any member with just the payment of dues. This initiative is designed to enable members to have the AAPG library available at their fingertips, enabling better exploration work and creating better geology students around the world.

In addition, AAPG is adding more archives to their digital libraries and is especially happy with the addition of Petroleum Abstracts to the DataPages archives, and we are working with other affiliated societies to help digitize their archives.

AAPG has taken the lead with seven other societies in working toward the development of a worldwide geoscience publication aggregate whereby a geologist from anywhere in the world can seamlessly search across all geoscience publications digitally. This will be a long-term project that will require digitizing archives and developing compatible platforms for forward digital publishing.

APPEX

Responding to member requests that AAPG sponsor a prospect and property exposition, AAPG launched its expo in August 2001 in Houston and was successful enough to immediately schedule ahead for the August 2002 APPEX to be held in the George Brown Convention Center. Additionally, AAPG launched the International APPEX with an expo attached to the Institute of Petroleum annual meeting in London, England in February 2002.

Student Activities

Corporate sponsorship for student dues worldwide has been one of the most exciting student initiatives of the year. Halliburton has agreed to sponsor this program for the first two years, and afterward other companies will have the opportunity to fund this sponsorship.

The Student Expo in Houston, the fall job fair for students and an opportunity for recruiting companies to be exposed to students from schools off the beat re-

cruiting track, has continued to be a great success. Expanding again to Norman, Oklahoma in 2001 and 2002, students are served in the Midwest as well as smaller independent recruiters. The Rocky Mountain Section added a Student Expo to their section meeting in Laramie, Wyoming, and the Eastern Section is planning a similar Student Expo.

In 2001–2002 we can boast of a 50% increase in the number of student members of AAPG. However, only about 400 of the 2700 students worldwide can avail themselves of the Student Expos in the United States. To serve all AAPG student members as well as provide a service for our corporate friends, AAPG is designing a Virtual Student Expo on the Internet.

Statement of Income and Expenses

	General Fund FY 2000-01	General Fund FY 2001-02	Budget FY 2001-02	Budget FY 2002-03
Operating Income				
Dues	\$1,575,360	\$1,791,314	\$1,737,276	1,741,712
BULLETIN subscription	313,438	333,084	260,000	315,000
Advertising income	1,608,230	1,512,700	1,534,000	1,460,000
Sales of publications	842,216	806,136	786,600	905,000
Interest and Dividends	773,558	476,968	780,000	528,000
Service Fees	1,651,378	1,744,227	1,699,255	1,964,068
Conferences and Meetings	4,058,647	3,370,703	2,962,690	3,774,684
Page Contributions	11,650	27,275	20,000	25,000
Gain (Loss) on Datapages	(28,101)	104,919	(25,000)	25,000
Grant Income	494,302	451,441	468,140	506,692
Miscellaneous	140,828	126,973	79,000	73,400
Total Operating Income	\$11,441,506	\$10,745,740	10,301,961	11,318,556
Operating Expenses				
Salaries and Benefits	\$3,059,823	\$3,377,165	3,018,513	3,642,721
Publishing Cost of BULLETIN	457,254	419,057	480,000	409,256
Publishing Cost of EXPLORER	322,186	299,002	378,456	291,715
Cost of Special Publications Sold	373,815	403,795	368,700	316,300
General Office Expense	589,643	653,185	645,163	617,894
Postage and Shipping	687,523	656,613	656,601	640,312
Building Expense	312,510	311,779	291,692	305,692
Professional Fees	1,005,455	1,113,070	961,150	952,500
Management Consultant Fee	—	—	—	—
Staff Training & Development	—	—	10,000	3,000
Staff Travel	138,900	154,554	121,544	130,765
Professional Travel	421,752	511,597	357,970	460,400
Conferences and Meetings	2,400,303	1,951,116	1,929,513	2,578,439
Depreciation	226,391	236,928	197,000	180,000
AGI Dues	62,209	107,887	69,392	74,873
Meeting Presence/Display	62,166	67,825	—	—
Miscellaneous Grants and Awards	267,882	284,484	270,700	248,200
Student Expo	—	—	—	—
Contingency Budget per President	—	—	96,345	111,514
Miscellaneous	375,064	338,897	280,717	279,674
Total Operating Expenses	\$10,762,876	\$10,886,954	\$10,133,456	\$11,243,255
Income (Loss) From Operations	\$ 678,630	\$ (141,214)	\$ 168,505	\$ 75,301
Balance Sheet Summary				
Assets		\$16,372,948		
Liabilities		\$ 3,976,157		
Fund Balance		\$12,396,791		
Total Liabilities and Fund Balance		\$16,372,948		

The Society of Exploration Geophysicists (SEG), Society of Petroleum Engineers (SPE), and Geological Society of America (GSA) are all working with AAPG to build this site and provide it to the students.

Student Chapters increased with 20 new chapters this year and a dozen more in process (40% increase) over the last year. The Visiting Geologists Program almost doubled in its contacts with universities and students worldwide.

A first-ever Summit on Teaching Petroleum Geology was held in March 2002 at the annual meeting. The summit, led by Hannes Leetaru, University of Illinois, was a forum for petroleum geology teachers worldwide to talk about their individually created courses, their objectives, and their philosophies. Essentially, no state-of-the-art textbook exists, and every professor has designed from scratch their own courses and lab assignments. AAPG had hoped that the seeds would be sown toward publishing a new textbook, and they were. The efforts of Stephen Bend, University of Regina, are leading to an AAPG text on CD-ROM to be soon published. In addition, AAPG is designing a traveling short course aimed at petroleum geology instructors worldwide, which will teach these instructors with the latest teaching curriculum, exercises, and philosophies.

GeoTours

Requests from members for special geologically related tours have led to the formation of a GeoTours Committee with Don Clarke, Long Beach, California, as chair. The committee aims to identify and set up special tours that combine cultural, historical, and other interesting elements of spectacular geological areas of the world to make an interesting vacation trip for members to share with each other.

Publications

Under the guidance of AAPG Editor John Lorenz and member/AAPG staffer, John Shelton, AAPG has initiated a major effort to eliminate a 28-month backlog and publication delay for *Bulletin* articles. Within one year, the backlog has been reduced to one year or less, enabling AAPG to reposition itself as the premier publisher for petroleum geoscience.

At Leadership Days, Lorenz conducted a Summit on Electronic Publishing, which included publications managers and editors from several sister societies, SEPM, SEG, GSA, and the Geological Society of London. Discussions of processes, platforms, and cooperation that were initiated here will be ongoing to work hand in hand eliminating duplication and reinvention of the wheel.

A Popular Geology Subcommittee has been established under the guidance of

Jim Granath to increase AAPG's efforts in publishing more geology and energy-related books for members, the public, and for increased public outreach.

Additionally, Jack Thomas, the new AAPG science director, has initiated major new special publication efforts.

Education

Jack Thomas has also started to build a world-class Geoscience Training Curriculum for AAPG to market, covering all the lifetime professional training needs of the working professional. Alliances with our sister societies will also be involved in this program as well as with other teaching organizations and universities.

Other course initiatives of AAPG include developing and marketing a course on ethics, a course for non-U.S. members on forming an independent company in the aftermath of privatization, and a course, as previously noted, on teaching petroleum geology for new instructors.

On-line affordable distance learning became a reality in February 2002 when AAPG was able to offer 16 course modules developed by the Texas Bureau of Economic Geology and the American Geological Institute. Ten additional courses will be added to the slate.

Technical Training Centers for mid-career training were opened in Calgary, Canada, and London, and funding approved for one in Vienna, Austria. These will operate similar to the centers in Houston, Dallas, and Midland, Texas; Bakersfield, California; and Denver, Colorado. AAPG and the AAPG Foundation have jointly invested in these efforts and have recently created a standing committee with representatives from each center participating. The objective is to share programs, budgets, business plans, and strategies and in this manner to assist each other to avoid pitfalls and growing pains as they continue to provide this service.

Committee Initiatives

Committees are the life-blood of AAPG, and the Executive Committee worked on increasing communication with and between all committees and helping to get their individual Web sites operative and informative.

The Corporate Advisory Committee was reactivated and is thriving under the leadership of Wolfgang Schollnberger. Their input and response to AAPG initiatives has already made an impact on services and developing programs.

The Committee on Committees, with the effort M. Ray Thomasson, massed a determined campaign to bring new volunteers onto committees. Over 60 new committee members were recruited

bringing fresh blood to many of the 41 AAPG committees.

As a result of the AAPG Summit on Diversity held at Leadership Days, the Membership Committee has added a Diversity Subcommittee. Gonzales Enciso, OceanEnergy, will chair and will focus on AAPG initiatives for increasing ethnic and gender membership and participation. The CAC is involved in putting together a major AAPG/Corporate think-tank forum on this subject. Additionally, the Membership Committee had a mini-summit to discuss streamlining the application process for membership to avoid delays in processing.

The Computer Applications and Internet Committee, under the guidance of chair Bret Fossum responded to a request from the EC and developed a workshop at Leadership Days on AAPG's creation of a one-stop, on-line center for digital geoscientific data with special and/or keyword searchability. AAPG is forging new ground with new products and data suites.

International Development

To promote membership and awareness of AAPG member services in the newly developed six international regions, every region was visited by President Gries this year. Affiliated societies hosted the visits and many new society affiliations were forged for AAPG in five countries. New student chapters were started in 20 countries and are in process of being started in 13 additional countries. Appeals were made to members in the regions to upgrade from associate to active membership to avail themselves to voting rights, committee participation, and governance opportunities.

The International Liaison Committee, under the leadership of Peter Lloyd, was realigned to become the International Regions Committee, and the new mission focuses on increasing awareness of member services and increasing member participation in all facets of AAPG's volunteer work. Better organization and better communication are two key goals of the committee.

AAPG's international conferences were firmed up and a better system established for international meeting rotations that will serve the entire membership in the best possible manner.

An electronic balloting program/company that will combine normal mail with secure e-mail voting has been identified to make elections in the international regions and the annual AAPG elections universally available to members instead of being hampered by 120 different country postal systems. This should be in place soon after bylaws changes are made.

Martin Cassidy, Houston, Texas, is chair of the new AAPG Publications Pipeline ad hoc committee. This group solicits *Bulletins* and geologic libraries from individuals no longer using them, finds a university or organization in need of a library, and then tries to identify funding to match the two. This marvelous initiative is making a tremendous difference in universities with minimal library assets for students and professors.

Intersociety Cooperation

Initiatives begun two years ago have grown and proliferated with our sister societies. The GSA became an associated society with AAPG this year and has joined SEG, SPE, and others in many joint initiatives with AAPG.

SEG and SPE have developed a reciprocal membership and are looking into the potential for a "mega-membership" between these three societies at the active membership level.

These three societies are also contributing Distinguished Lecturers to each other's lecture programs and are linked to each other's Web sites. Regular meetings and increased intersociety communications have strengthened good relations and enhanced cooperative opportunities. SEPM and AAPG continue to work together on technical programs for their joint meetings. The EAGE and AAPG have shared "best of" technical sessions and continue to assist each other in international meeting technical programs.

Ethics

This Executive Committee was committed to strengthening adherence to the AAPG Code of Ethics. Efforts toward this include increased scrutiny of complaints within the current Bylaws; developing and marketing a "must do" course on ethics; developing a lecture or lecture series on ethics; looking to a book publication on this subject; and strengthening AAPG's ability to support members with ethics grievances.

Robbie Gries, President

Treasurer

Copies of the complete financial statements for AAPG and the AAPG Foundation are available to any member upon written request to AAPG Headquarters, P.O. Box 979, Tulsa, Oklahoma 74101-0979.

Edward B. Picou Jr., Treasurer

Editor

The AAPG technical publications department is undergoing an exciting transition this year. The online submittal and review of papers for the *Bulletin*, our monthly scientific journal, will be up and running late this year. A vendor has been selected and staff began training last summer. Once this system is up and running the turnaround time from submittal to review to print should be cut by several months, which will encourage authors to submit timely and significant material.

In 2001–2002 (July through June) 88 technical papers were published in the *Bulletin*. Of these papers, 75 were full-length articles, 9 were discussions and replies, and 4 were E&P Notes. These papers totaled 1614 pages of reviewed science compared to 1765 pages for last year. Of the 94 manuscripts received in 2001–2002 (July through June), 31 were accepted, 15 were either rejected or withdrawn, and 48 are still in the review process. The accompanying table lists the topic areas for submitted papers.

Here is another breakdown of manuscripts: 46% of the papers were on North America; 14% of the papers were on Europe; 14% of the papers were on Asia, Eurasia, and Oceania; 8% of the papers were on Africa; 4% were written about South and Central America; 2.5% were about the Middle East; and 11.5% of our papers were non-geographic in nature.

In June 2002 a special theme issue was published on rift systems highlighting Egypt, the North Sea, and Utah. The goal of theme issues is to publish interconnected collections of quality papers in one issue.

Special Publications produced four new books this fiscal year: Gerhard, Yannacone, and Leahy's *Sustainability of Energy and Water through the Twenty-first Century*; Downey, Threet, and Morgan's *Petroleum Provinces of the Twenty-first Century* (Pratt Conference II), Memoir 74; and Bartolini, Buffler, and Cantu-Chapa's *The Western Gulf of Mexico Basin*, Memoir 75. The CD-ROM publication is Kerans and Kempter's *Hierarchical Stratigraphic Analysis of a Carbonate Platform, Permian of the Guadalupe Mountains*. Three popular sellers, A. I. Levorsen's *Geology of Petroleum*; Rose's *Risk Analysis and Management of Petroleum Exploration Ventures*, Methods in Exploration 12; and Mutti et al.'s *An Introduction to the Analysis of Ancient Turbidite Basins from an Outcrop Perspective*, along with three geological highway maps were reprinted. At this time, the Publications Department already has two new books and three reprints at the printers,

Distribution of Bulletin Papers by Topic

Topic of Paper	No. of Papers
Basin Analysis/Modeling	21
Coal	1
Computer Applications	0
Diagenesis/Sedimentary Geochemistry	7
Direct Detection	0
Faults/Fractured Reservoirs	9
Fluids/Fluid Flow	2
Geophysics/Seismic	4
Geopressure	2
Geostatistics	0
Geothermal	0
Hydrogeology	1
Paleoclimate	0
Petroleum Systems	5
Petrophysics	4
Reservoir Characterization/Appraisal/Management	8
Resource Appraisal	2
Seals	1
Sedimentation	3
Source Rocks/Geochemistry	3
Stratigraphy (Litho, Sequence, Seis.)	9
Structure/Tectonics	10
Other	2
Total	94

with several (including a CD-ROM) in the editing and production process.

John Lorenz, Editor

House of Delegates

The House of Delegates (HoD) held its annual business meeting on Sunday, March 10, 2002, in Houston in conjunction with the AAPG Annual Meeting. Two hundred seven delegates attended the meeting. Business was conducted in record time due to excellent advance preparation on the part of the delegates.

All Bylaws amendments presented by the Constitution and Bylaws Committee were passed:

- COCBAP 2 amendment formalizing the mechanism through which the three governing bodies of AAPG, the Executive Committee, Advisory Council, and the House of Delegates, obtain comments from each other on Bylaws amendments affecting any one of them
- The EC super-majority amendment requiring the Executive Committee to have five affirmative votes (a super majority) to either reject or change the rank order of any officer candidates presented by the Advisory Council

- The emeritus membership amendment reducing the required years of AAPG membership for emeritus status from 35 to 30

The Constitution and Bylaws Committee considered two other amendment proposals; however, after study and deliberation, the Committee decided not to pursue either of them.

The Rules and Procedures Committee proposed six changes to HoD operating rules and procedures. All were passed. They include the following:

- Adding the executive director's report immediately after the president's report in the order of business at annual meetings
- Creation of a House Recognition of Service Award to be presented annually to the chairman and the secretary/editor at the end of their terms of office
- A change in the order of awards to order of importance, listing first Honorary Member of the House, followed by Distinguished Member of the House, House Long Service, then House Recognition of Service awards
- The stipulation that no candidate for an HoD office may be nominated for an HoD award in the same year
- Formation of a new standing committee, the Minutes Approval Committee, to review and approve the minutes of the annual meeting within 60 days following the meeting

Applications for AAPG affiliation from the Scientific Council for Petroleum of the Croatian Academy of Sciences and Arts and the Association of Geologists of Ukraine were presented by the Resolutions Committee. The Delegates approved both. An application for associated society status from the Geological Society of America was also approved. The Resolutions Committee reported on societies currently underrepresented or having no delegate representation in the HoD. Those deficiencies in representation have been, or are being, corrected by the individual societies.

The Honors and Awards Committee presented the following recipients of House awards:

- Will Green, Honorary Member of the House
- Jean Lemmon and Tom Mairs, Distinguished Member of the House
- Patrick Daugherty, Long Service Award
- Ed Dolly, Certificate of Merit

The Credentials Committee gave a detailed report on what constitutes a quorum at House of Delegates meetings.

The Future of Earth Scientists Committee presented the results of a study addressing the future of petroleum geoscientists to the year 2020. Using

projections of world petroleum production by Jack Edwards and membership demographics for AAPG and SEG, the report predicted that in the United States 200–400 petroleum geoscientists will be needed per year and 2000–3500 will be needed worldwide each year for the next 20 years. Because worldwide petroleum production in 2060 will be approximately what it is now, the need for petroleum geoscientists will last at least 40 years in the United States and more than 60 years worldwide, or longer than a career length for current geoscience students.

The Nomination and Election Committee selected candidates for officers to work with next year's chairman, Terry Hollrah. George Eynon and Lee Avary were elected chairman-elect and secretary/editor, respectively.

Under new business, a motion was made to make the new House Recognition of Service Award to the secretary/editor retroactive beginning with the 1996–1997 year. The motion carried.

AAPG is a vibrant, ever-changing Association responsive to the needs of its members. Toward that end, there is already new business for the House of Delegates to consider during the next year.

The Constitution and Bylaws Committee has been asked to look into the procedure for members running for AAPG office by petition to determine whether any changes are warranted.

AAPG is now part of the digital world and our Bylaws need to be updated for the computer age. For instance, the word "mail" currently refers to "snail mail," not e-mail; the use of electronic ballots for officer elections is being studied by the Ballot Committee; and the AAPG Web page is being used more and more for things such as convention announcements, AAPG news, and AAPG education programs. The Bylaws must reflect such changes.

The Rules and Procedures Committee will consider a proposal for a deadline of September 30 (the end of the first quarter of the AAPG year) for submission of the slate of HoD officer candidates by the Nomination and Election Committee so that all of the candidates' data can be collected for publication in a timely manner. Similarly, HoD Honors and Awards award-ees should be selected by the end of the first quarter to ensure the awardees' biographical histories are assembled in time to be published in the Annual Meeting awards booklet, as is done for AAPG awardees. Another proposal for Rules and Procedures Committee consideration is to change the Future of Earth Scientists Committee from a standing committee to an ad hoc committee, convened every five years.

The Resolutions Committee will review society delegate counts to see if all societies now have maximum representation. If any society is underrepresented, it should be notified and given assistance, if necessary, in holding proper elections. There may be new applications for affiliation for the Resolutions Committee to review, as inquiries have been received from several societies.

Edward D. Dolly, Chairman

Foundation

The major objectives of the AAPG Foundation are to provide funding for programs encouraging better understanding and advancement of geosciences and for projects that support the education, training, and career enhancement for earth scientists.

Because of continuing weakness in the stock market the investment portfolio of the Foundation decreased \$1,735,487 to \$15,670,887 during the past fiscal year. Including fixed assets, primarily the AAPG Headquarters buildings, the total assets of the Foundation were \$20,383,668.

For the fiscal year 2001–2002, the Foundation had total gross revenues of \$1,767,427. Total expenditures of \$1,902,967 resulted in a negative cash flow of \$135,540. Net realized and unrealized capital gains and losses of a negative \$(1,356,235) resulted in a net loss for the year of \$(1,491,775).

Total contributions to the Foundation in 2001–2002 were \$595,052 percent of AAPG members contributed \$104,670 to the Foundation through their AAPG dues statements.

In view of continuing unfavorable market conditions, it was considered prudent to minimize new initiatives and to reduce support to lower priority programs. As a result, total disbursements for grants and program services were \$915,355, compared to \$930,805 in the prior year.

Major programs during the past year included the following: Distinguished Lecture and Visiting Geologists programs, \$271,902; AAPG Bulletin, \$160,000; Grants-in-Aid, \$163,350; Austin Weeks Undergraduate Grants, \$50,000; AAPG Library, \$142,923.

Three new Named or Memorial Grants-in-Aid were added during the past 12 months, bringing the total to 44. Those honored by the new grants were James W. Milliken, the Weimer Family, and the Southeast Asia Petroleum Exploration Society (SEAPEX). Biographies of those hon-

ored and memorialized through the grants are included on the AAPG Web site.

The fourth recipient of the Chairman's Award for long-time outstanding support of the Foundation was recognized at the AAPG Annual Meeting in Houston. Sadly,

Merrill Haas died before we could present the award to him. Maria, his dear wife, proudly and graciously accepted the award.

Foundation Trustee Associate membership totaled 275 at year's end. Twenty-six new members joined the Associates dur-

ing the year. The Foundation appreciates the very active support of the Trustee Associates. Their support has been, and continues to be, an important factor in the growth of the Foundation.

Jack Threet, Chair

Reports of the Divisions

Division of Environmental Geosciences

Over the last year, the Division of Environmental Geosciences (DEG) was involved in a wide range of activities. These ranged from taking steps to increase the effectiveness of standing committees to sponsoring international E&P environmental conferences. The Executive Committee of DEG has also taken steps to address some financial matters, and we should see the results of such changes by the end of the calendar year.

The results of the annual election were announced in the May issue of the *Explorer*. Rima Petrossian is president-elect and will assume office on July 1 of 2003. Steven Tischer and Gerald Baum were elected vice president and editor, respectively. They will join President Robert Menzie and me (as outgoing president) and will constitute the Division's Executive Committee for the next year.

The Executive Committee considered the functions of the standing committees in the Division and determined that the Environmental Practices (EP) and Environmental Issues (EI) Committees had excessive duplication and overlap. The EP was discontinued and several of its selected functions were assigned to the EI, under Ian Moxan. The EI is working toward a Division-wide set of Standard Practices for environment activities associated with E&P, and these will likely be available within the next few months.

The Regional International Conference, Exploration and Production Operations in Difficult and Sensitive Areas, was held at St. Petersburg, Russia last July. This conference was primarily directed at E&P activities in sensitive and high-latitude settings. DEG had two oral sessions and two poster sessions at the meeting, all of which focused on Arctic and North Caspian operations.

For the third consecutive year, DEG was a sponsor of the Society of Petroleum En-

gineers' International conference, Health, Safety, and Environment in Oil and Gas Exploration and Production. This meeting was held in Kuala Lumpur, Malaysia, in mid-March and attracted more than 1300 delegates from 51 countries. The high-quality technical program resulted in good attendance levels throughout the meeting, and several sessions were standing room only. DEG representation at this meeting was possible through some very late arrangements. The Division will be invited to sponsor this conference in the future. Hopefully better planning and more advance notices will allow an increased Division presence at future conferences.

The Division supports international conferences related to the environmental aspects of exploration and production activities but does not contribute financially to them. The international E&P areas are where we feel robust and responsible environmental programs can have the greatest impact.

DEG sessions at the annual meeting in Houston accounted for 18 poster presentations and 12 oral presentations. In addition, the DEG joined with the other divisions to sponsor a forum entitled, U.S. Energy Policy—Progress or Political Stagnation. The DEG luncheon was held at Enron Field and featured the chairman of the Interstate Oil and Gas Compact Commission, Governor Mike Huckabee of Arkansas. The Division also sponsored a well-attended preconference two-day short course on Marine Geohazards.

The Education Committee reports that the DEG short course is being finalized and will be online soon. The course, Environmental Issues in the Oil and Gas Industry, will be available to both DEG and non-DEG members. The Education Committee is exploring the possibility of offering CEU credit for this course.

Finally, the Executive Committee is actively seeking a new publishing arrangement for the Divisions' quarterly journal, *Environmental Geosciences*. We have

proposals in hand from several vendors and will make a final determination before the end of July. Major considerations involve postage costs for mailing *Environmental Geosciences* to international student members, the possibility of increased DEG revenues from paid advertising in the journal, and offering members the option of getting the journal electronically.

Bill Harrison, President

Division of Professional Affairs

DPA Bylaws Committee

The Bylaws Committee chaired by Steve Sonnenberg has completed its work. The AAPG Executive Committee approved the bylaws and the DPA will conduct its first meeting using the new governance at the DPA council meeting on March 9, 2002, just before the AAPG Annual Meeting in Houston.

Membership

Total membership stands at 3423, and membership one year ago was 3472. The membership is divided as follows: 3335 Certified Petroleum Geologists, 71 Certified Petroleum Geophysicists, and 17 Certified Coal Geologists. A membership drive is anticipated immediately after the AAPG Annual Meeting in Houston.

Mid-Year Meeting

The 2001 mid-year meeting was held October 12–13 in Dallas, Texas. The meeting was a joint meeting of the DPA Executive Committee and the DPA Advisory Board. During the meeting, plans for the membership directory were discussed and a presentation by the Governmental Affairs Committee was made to seek budget funds for a special meeting with legislative influence.

State Registration and Licensing Committee

Registration has been approved by the Texas state legislature. DPA has followed the registration process in Texas from inception in 1988 to approval in 2000. This committee follows legislative issues regarding registration in all 50 states and territories. Current registration activity is ongoing in New York and Utah.

Board of Certification

George Bole continues in the interim role of Board of Certification chairman. The board continues to function well and applications are processed in an expeditious manner.

Governmental Affairs Committee

Lee Gerhard serves as chairman of the Governmental Affairs Committee. The committee currently has position papers on the following topics:

- United States national energy supply
- Climate change policy
- Tax reform
- Natural gas supply concerns
- United States land withdrawals
- Offshore OCS access
- National Petroleum Reserve—Alaska access
- Alaska National Wildlife Refuge access
- Reformation of the Endangered Species Act
- Reformation of the Clean Water Act—wetlands access
- Regulation of hydraulic fracturing
- Grandstaircase-Escalante Monument access
- Research and development needs of the domestic petroleum industry in the 21st century
- Preservation of geological and geophysical data
- Professional geologist licensure and standing in Texas

Robert Sellars and Lee Gerhard co-chaired a session at the Houston Annual Meeting entitled "U. S. Energy Policy—Progress or Political Stagnation." The Committee is also seeking to achieve greater representation in Washington, D.C.

Awards Committee

The Awards Committee is composed of Will Green (chairman), Pat Gratton, and Skip Hobbs. The Committee recommended Robert Sellars for the Distinguished Service Award. This award was presented at the DPA awards dinner in Houston on March 9, 2002.

No recommendation for Honorary Life Membership was made.

DPA Council

President-elect Tom Mairs has been busy securing nominations for the Council. The following DPA members were successfully elected to the Council:

- Gulf Coast Section: Raymond N. Blackhall, Paul W. Britt, Dwight E. Cassell, and Michael Fogarty
- Mid-Continent Section: William E. Harrison
- Southwest Section: Allen D. Frizzell and Dexter L. Harmon

The Council met at the mid-year meeting in Dallas but functioned as an Advisory Board and met for the first time as a Council at the Annual AAPG Meeting in Houston.

DPA Correlator

David Abbott assumed editorship of the *Correlator* in March 2002. The next issue of the *Correlator* is scheduled for publication in late June. David plans to expand the *Correlator* and give it a new look.

DPA Annual Meeting

Bob Shoup did an excellent job on the DPA Annual Meeting activities along with his assistants John Dombrowski and George Bole. The technical program was excellent, and we held two short courses and a careers workshop. Additionally, DPA hosted a luncheon with the theme of "The Heritage of the Petroleum Geologist." Michael Halbouty was the keynote speaker and the luncheon was sold out.

Financial Report

The Division of Professional Affairs remains on track to meet budget objectives for fiscal year 2002 (July 1, 2001–June 30, 2002). The Division is stable financially and our cash balance is strong. We are on track for a good year financially. A copy of our financial statement is available at AAPG Headquarters.

In conclusion, I am pleased to report that the Division is having an excellent year. I have attended section meetings in Kalamazoo, Michigan, and Amarillo, Texas and anticipate attending section meetings in Anchorage, Alaska in May and Ruidoso, New Mexico in June. Thank you for the opportunity to serve as president of the AAPG Division of Professional Affairs. I look forward to serving with you all for the remainder of the business year.

Royce P. Carr, President

Energy Minerals Division

The Energy Minerals Division (EMD) is celebrating our 25th Anniversary in 2002. The division was formed to become the center within AAPG for activity on energy minerals and unconventional energy re-

sources. The division originally focused primarily on coal, nuclear minerals, geothermal energy, oil shales, and tar sands. However, we have expanded our focus, and today our most active unconventional resource areas include coalbed methane and gas hydrates. Additionally, we are now showing how the application of geospatial information (remote sensing) and energy economics can be used to exploit conventional and unconventional energy resources.

Since inception, our membership has remained relatively constant, averaging approximately 1700 members (active, associate, and student), which is very close to our present membership in 2002. Although the number of active members dropped below 750 in early 2001, we currently have more than 830 active members and expect the number to increase as we continue to add new members and actively encourage associate members to become active members.

One of the biggest changes in EMD membership over the years is the number of international members. International membership has grown from about 8% in 1979 to nearly 24% in 2002, and we now have members from 63 countries.

Financially, EMD has never been in such good shape, which provides us with the opportunity to use our financial resources to provide better member benefits. For example, we are in the process of completing a poster on unconventional resources of North America that shows the geographic distribution of EMD unconventional resources and provides a description of each energy resource. This will provide a valuable reference on unconventional resources to EMD members.

Additionally, we will continue to provide our membership with significant discounts on EMD-sponsored short courses, field trips, and publications, and we will expand the members-only section of our Web site.

There are many pressures on world energy resources that will become more acute over the next 25 years. The energy demand for many countries is significantly increasing as economic conditions and the standards of living improve. Peak world oil production probably will be reached within the next few years, indicating that other sources of energy will be needed. By far, the most pressing demand on conventional energy supply is world population growth, which continues to expand at an almost exponential rate. As population continues to increase, and concerns about global warming and/or

air pollution in general become more focused, there will be a greater demand for more environmentally friendly fuels such as natural gas or possibly nuclear energy, placing the Division in a unique situation because we specifically focus on such unconventional energy resources.

Coalbed methane and gas hydrates were not considered significant sources of natural gas in 1977, yet these unconventional resources are becoming progressively more important. Coalbed methane production rose from 85 bcf in 1985 to more than 1500 bcf in 2001 and now represents a significant source of natural gas in the United States and internationally. Gas hydrate in-place resources may exceed 300,000 tcf, but recoverable estimates remain unknown. As the demand for natural gas increases for

co-generation and hydrogen fuel cells, these unconventional resources will have to be exploited. As world oil production starts to decline, tar sands and oil shales may once again become an important source of hydrocarbons, particularly in the United States, which has in-place resources of more than 30 billion BOE. However, the largest unconventional source of energy in the United States is geothermal energy with an estimated 430 billion BOE recoverable if this resource can be exploited economically.

Over the past several years, EMD has provided short courses on both coalbed methane and gas hydrates at national and sectional AAPG meetings and has also provided a variety of field trips to coal mines and coal-fired power plants. A field trip to a nuclear facility last year was

cancelled because of the tragic events of September 11. Additionally, EMD has sponsored geospatial information workshops and short courses and will continue to promote the value of this technology. We are in the process of completing our "members only" section of the EMD Web site, which should prove to be a valuable source of information for those who are interested in unconventional resources. Over the past eight years, I have seen the Energy Minerals Division grow into an active and dynamic organization. I'm very optimistic about the future of our division because of the energy and enthusiasm of those with whom I have worked closely with over the years, and particularly, the EMD membership.

Andrew R. Scott, President

Reports of the Sections

Eastern Section

The 30th annual meeting of the Eastern Section was held September 22–26, 2001, in Kalamazoo, Michigan, hosted by the Michigan Basin Geological Society. The theme for the meeting, "Resource Management in the 21st Century," was reflected in the field trips, workshops, short courses, posters, and technical sessions.

Nine technical sessions were presented along with posters. Talks ranged from Dundee reservoirs in Michigan, environment geology, history of petroleum geology, gas storage, and new reserves from old plays. The two field trips visited the Silurian reefs of the Chicago area and the landforms and sediments of the Lake Michigan Lobe. Gerald Friedman taught a short course on the exploration for carbonate stratigraphic reservoirs before the start of the meeting. Dietmar Schumacher and John Clark taught a second short course on "Improving Recovery from Old Fields."

Honors and awards presented at the 2001 Eastern Section meeting included the following:

- John T. Galey Memorial Award: Robert D. Hatcher, Jr.
- Honorary Membership Award: William B. Harrison III
- Distinguished Service Award: Katharine Lee Avary and Jim Drahovzal

- George V. Cohee Public Service Award: Norman C. Hester
 - Outstanding Educator Award: Carlton E. Brett and Robert H. Washburn
 - Gordon H. Wood, Jr. Memorial Award: Kenneth J. Englund
 - A. I. Levenson Memorial Best Paper Award: John R. Hogg
 - Margaret Hawn Mirable Memorial Best Student Paper Award: Jennifer McIntosh and Lynn M. Walter, University of Michigan, Ann Arbor
 - Vincent E. Nelson Memorial Best Poster Award: Mark Obermajer, Lavern D. Stasiuk, and Fariborz Goodarzi, Geological Survey of Canada, Calgary, Alberta
- Officers elected at the meeting for fiscal year 2001–2002 were Michael E. Hohn, president, Hannes E. Leetaru, vice president, Steven P. Zody, secretary, and Murray Matson, treasurer.

In recognition of their contributions, three members of the Eastern Section were given awards at the AAPG Annual Meeting in Houston. Dick Beardsley was awarded the first Outstanding Explorer Award, Paul Potter the Distinguished Educator Award, and Gayle McColloch the EMD Distinguished Service award.

Section Activities

The Eastern Section is involved in numerous activities from hosting an annual technical program, outreach programs such as Rocks in Your Head through the

Eastern Section Outreach Program, and PTTC workshops.

Finances

The Eastern Section continues to be on solid financial ground. Total assets of the Section as of December 31, 2001 were \$37,806.40. Our Eastern Section Outreach Program (ESOP), chaired by G. Warfield "Skip" Hobbs, also has money available to provide financial help for worthwhile projects/programs submitted by individuals or groups and approved by the Eastern Section. Maximum awards have been \$500 per project. At the end of year 2001, ESOP had a balance of \$2,959.16.

Hannes E. Leetaru, Vice President

Pacific Section

The Pacific Section of AAPG is composed of seven affiliated societies ranging geographically from southern California to Alaska. Our members comprise a diverse group of geoscientists working in some of the most difficult hydrocarbon producing areas in the world. Our primary methods for disseminating information continue to be through monthly society meetings, our bimonthly publication *The Pacific Petro-*

leum Geologist Newsletter, our Web site and our annual convention.

Financial Statement

The Pacific Section continues in a financially healthy state. As of May 22, 2002, the operating funds available totaled \$44,843.00. Restricted funds totaled \$40,380.35 for a grand total of \$85,223.35. In addition, the Pacific Section Foundation shows a total of \$21,693.40 in operating funds. These figures do not reflect income from our recently completed annual convention in Anchorage, Alaska, final accounting of which will not be complete until July or August of 2002. Preliminary analysis indicates the Alaska meeting was a financial success.

Membership

Membership is on the upswing thanks to our meeting in Anchorage. Approximately 112 members were added to the Section as a result of the meeting, bringing total membership to approximately 910, of whom 98 are considered delinquent in paying their dues. Comparable numbers from last year were 785 members of whom 91 were delinquent.

2002 Convention

Our annual meeting was held at the Anchorage Sheraton Hotel in Anchorage, Alaska, May 18–23, 2002. The meeting was a joint technical conference with the Western Region of the Society of Petroleum Engineers (SPE), the second such meeting with the SPE in the last two years. The general chair for the AAPG Pacific Section was David Hite. The SPE Western Region general chair was Barbara Holt. Together, they assembled an excellent convention executive committee and presented an outstanding technical program, with attendees traveling from as far away as Russia to attend. The Alaska Geological Society was the host for the meeting and highlights included a field trip to the Kuparuk oil field on the North Slope (generously supported by Phillips

Alaska and BP Alaska), a core workshop at the Bayview core storage facility, and technical sessions featuring the latest in technology developments coupled with forward-looking views of the oil and gas potential in the Arctic.

The all-convention luncheon featured the talks by AAPG President Robbie Gries and Bennett Raley, U.S. Department of Interior Assistant Secretary for Water and Science. We also used the luncheon venue to present our section awards. This year's Martin Van Couvering Students were Sean Bemis, Todd Dallege, Emily Finzell, Mike Hayes, Margarete Jadamec, and Michelle McGee all of the University of Alaska, Fairbanks. Our Teacher of the Year Award was presented to Caroline Stallings of Ketchikan, Alaska. The Pacific Section Distinguished Educator Award was presented to Wesley K. Wallace of the University of Alaska, Fairbanks. The A. I. Levorsen Award, given in recognition of the best paper presented at our 2001 convention in Universal City, California, went to Michael J. Richey for his paper on 3-D modeling of the Republic Sandstone in the San Joaquin Valley, California. The H. Victor Church Award for best poster from the 2001 convention went to Richard G. Blake for his work on the alluvial sediments at the Lawrence Livermore National Laboratory.

The AAPG Pacific Section also presented two Honorary Life Member Awards in Anchorage, the highest honor we can bestow upon our members. The 2002 recipients were Henry Walrond, consulting geologist, Bakersfield, California, and Thomas R. Marshall, Anchorage, Alaska. Both individuals have distinguished themselves through the years in service to our profession.

2003 Convention

Plans are well underway for next year's convention to be held in Long Beach, California. This conference will once again be a joint meeting with the SPE Western Region. Pacific Section general chair, Dalton Lockman, and his counterpart with

the SPE Western Region, Sam Sarem, promise an exciting technical program.

Other Activities

Our *Newsletter* is published six times a year with nearly 900 copies sent in each issue. Covering topics of interest to our members, the *Newsletter* is an excellent way to disseminate information about upcoming society meetings, publications for sale, and trends in the industry.

Our Web site (www.psxaaapg.org) is rapidly gaining ground as a central source for information on upcoming conventions. The Web site has scored more than 38,600 hits in the last 12 months. Submission of abstracts and registration for the Anchorage meeting was handled electronically through our Web site, and plans are for a similar system to be used next year as well. An electronic version of our *Newsletter* is available to members through the Web site.

Our sole publication in the 2001–2002 year was a joint publication with the Utah Geological Association entitled "The Geologic Transition, High Plateaus to Great Basins—A Symposium and Field Guide." Produced in conjunction with the September 2001 Field Symposium, the guide was dedicated to J. Hoover Mackin. Efforts are underway to digitally capture all Pacific Section AAPG publications, enabling the implementation of "print on demand" technology.

Community outreach efforts include an active Youth Activities Committee designed to bring the profession of geology into the classroom and support of area energy awareness efforts within the section.

Our officers for the 2002–2003 year will take office on July 1, 2002. They are Tom Hopps, president; Allen Waggoner, president-elect; Steve Sanford, vice president; Jon Schwalbach, secretary; Harold Syms, treasurer; Cathie Dunkel, *Newsletter* editor; and Allen Britton, past president.

Allen Britton, President

Academic Liaison

The function of the Committee on Academic Liaison shall be to serve as liaison among all committees having activities related to college and university students and teachers of geoscience and between the Association and academic organizations having interests compatible with the purposes of the Association as set forth in Article II of the Constitution.

In an effort to define the ongoing reconstruction of the Academic Liaison Committee, a summit was held on August 10, 2001 in Houston, Texas. Participants included representatives from most committees with student and academic related programs as well as the Executive Committee and AAPG staff. The purpose of the Summit on Student Activities was to provide a single forum to manage the integration of existing AAPG student programs and to discuss and evaluate new ideas. The first half of the meeting was devoted to a review by standing committee chairs or their representatives of student related programs and future initiatives. The second session addressed communication issues among the standing committees and from AAPG to students. Action items were developed from both sessions and were included in a report for the Executive Committee. Among the key actions to be taken: a need to improve utilization of the Web site both among committees and programs and as a communication tool to student and academic members of the society, to work toward broadening the academic community awareness of the benefits of the services offered by the Visiting Geologists Program, development of a single brochure with brief descriptions of all student related AAPG initiatives, development of a better listing of contacts in the academic community, and the creation of a formal organization to bring the chairs of committees of student related programs together for the purpose of improved intercommittee communication. It was agreed that the Academic Liaison Committee be the primary driver behind all of these action items.

Additional efforts by the committee have been focused on growing the size of the committee in order to begin to accomplish many of the action items that were the outcome of the Summit on Student Activities.

A meeting of the Academic Liaison Committee took place on March 12,

2002 in Houston, Texas in conjunction with the AAPG Annual Meeting. The meeting discussion focused on several themes from the Summit on Student Activities: the development of a central listing of primary contacts at colleges and universities, continued refinement of the role of the Academic Liaison Committee, and creation of an organization of student related committee and program chairs. The Committee also took time to hear reports of the work of Chris Heath on an assessment of the skills sought by today's oil and gas geoscience recruiters and also the Teaching Petroleum Geology Summit chaired by Hannes Letaru; both reports were well received and generated much discussion.

James V. White, Chair

Committee members: Wayne Ahr, Robert Cowdery, Nancye Dawers, Stephen Laubach, Donald Lewis, Mary Poulton, Troy Rasbury, Walter Riese, Benjamin Rostron, Bruce Trudgill, and James White.

Astrogeology

The function of the Committee on Astrogeology is to provide a forum for ideas on astrogeology. Efforts include a speakers bureau, symposia at various meetings, encouragement of poster sessions on astrogeology, and a liaison with groups of similar interests, such as the National Aeronautics and Space Administration. Provision is made for subcommittees to study comparative planetology, impact-cratering geology, particularly as related to hydrocarbon and mineral occurrences, planetary geology, remote sensing, and exploration on Earth's natural resources from space, Earth applications of developments from the space program, and exploration and development of natural resources in and beyond the solar system.

AAPG Annual Meeting, March 10–13, 2002, Houston, Texas: The Astrogeology Committee was the sponsor for the oral session: NASA: Human Exploration of Earth, Moon and Mars. The session, chaired by W. R. Muehlberger, was opened with a talk on Lunar Field Geology by H. H. Schmitt, Apollo 17 astronaut. Approximately 300 people attended the session.

Items discussed at the business meeting include plans for an Astrogeology oral session at the annual convention in Salt Lake City, May 11–14, 2003. The session title will be "Impacts, Extinctions, and Petroleum." The session is to be co-chaired by A. E. (Ted) Bence and P. Jan Cannon.

Tentative plans were made for an oral session at the annual convention in Dallas, Texas, April 18–21, 2004. Suggested topics for the Dallas meeting included the following:

1. Impacts into different rocks, limestone versus igneous, etc.
2. Range of extinction-causing impacts
3. Characteristics of impacts in regards to reserves, source, traps, seals, etc.
4. Chicxulub reservoir as a model for others
5. Ames, Redwing Creek, and other models of hydrocarbon producing impact structures
6. How impact events can alter the climate and sea level
7. Effects of impact-generated sea waves
8. Role of mega impact events in magma generation
9. The effects and magnitude of gravity tides on terrestrial tectonics
10. Astrogeology more than impact craters

Debra D. FitzGerald, a recent member of the Committee, has been requested to serve as vice chairman replacing Dave Campbell.

Jan Cannon, Chair Debra FitzGerald, Vice Chair

Committee members: Lee Allison, Mark Beeunas, Alfred Bence, David Campbell, Philip Cannon, Graham Curtis, Sandra Feldman, Alan Hildebrand, David King Jr., John Lorenz, William Muehlberger, and William Smith.

Ballot

The function of the Ballot Committee is to meet after the annual election of AAPG officers to count ballots, and to prepare an official report of election results for the president of the Association. Members serve for one year.

The AAPG Ballot Committee has recommended to the Executive Committee

that we offer electronic voting capability to our members, especially those that live outside of the United States. We are recommending changes to our Constitution and Bylaws that require us to provide a printed ballot by mail.

The Ballot Committee met on Wednesday, May 15, 2002, and counted ballots for the annual election of officers. A total of 18,317 ballots were mailed to our voting members, of which 5617 were returned. This equates to a 30.7% participation by our voting membership. The Ballot Committee's count was within 7 ballots of the Auditor's count. (In one instance there were 83 ballots in a bundle and the number 83 written in pencil on the front of the bundle, but the number 88 filled in the form.)

The results of the election are as follows:

President-Elect	Steve Sonnenberg
Vice President	Peter Lloyd
Treasurer	Paul Weimer

Jean R. Lemmon, Chair

Committee members: Michael Allison, Edward Beaumont, Richard Behling, Joseph Born Jr., Robbie Gries, Jean Heinecke, Jean Lemmon, James McGhay, Robert Millspaugh, Richard Norman, Gary Rowell, and Patrick Ryan.

Committees

The purpose of the Committee on Committees is to recommend to the president-elect a slate of candidates for standing, special, and ad hoc committees; Association representatives to other permanent groups; and all other appointments on which the Executive Committee, the president, or the president-elect request advice.

The Committee on Committees (COC) was formed in 1990. The Committee provides advice, recommendations, and suggestions; it does not make any appointments. Only the AAPG President is empowered to make appointments to the various committees. The AAPG Executive Committee has the authority to dissolve any standing committee.

At the beginning of the year, an initial contact letter was sent by the COC to all other committee chairs. Also included was a copy of the Committee Membership Guidelines. The contact letter requested certain committee information so that the Headquarters staff liaison could update all committee records. In

addition, the letter recommended the following suggestions for each committee to follow:

1. Review committee for geographic representation and, if appropriate, for scientific discipline diversity.
2. Consider changing the vice chair each year in order to give several committee members an opportunity to show leadership.
3. Rotate members off after they have completed a three-year term unless their duties and contributions indicate that the chair should request that the president appoint them for another three-year term.

The following discusses two items the Committee has undertaken during the year:

1. The primary project the committee achieved was a campaign to recruit new members for all of the AAPG standing committees. At the recommendation of President Robbie Gries, Past President M. Ray Thomasson was added to the COC in September, and he immediately commenced organizing and supervising the membership campaign. First, he contacted 66 people who are serving in various capacities as leaders of AAPG. This included members of the Executive Committee, the Advisory Council, House of Delegates officers, etc. Each person was asked to recommend up to 10 potential new committee members. The leadership group responded with 393 recommendations. Then, over the remainder of the year, Ray and his office staff processed 291 of these recommendations. As a result of their efforts, 61 new committee members have been added to 18 of our standing committees. Another 19 people are in the system for call-ups over the next three years. In addition, more than 100 names have been put into an "individual system" where the persons making these recommendations have been asked to follow up using the same procedures employed by Ray and his staff. The remaining 211 recommendations either had no responses or were declined. After 10 months of very hard work, this project has now been brought to a close by the Thomasson office.
2. During the final three months of the year, all standing committee chairs and representatives were contacted regarding their reappointments or replacements, as well as their selections of vice-chair(s). Every standing committee chair should be in place by June 30, 2002, as well as most of the vice chairs.

The COC held its annual meeting on March 11, during the AAPG Annual Meeting in Houston. The following items were covered, some in more detail than others:

1. The January 2002 Leadership Conference, which a total of nine COC members were able to attend, was briefly discussed. This included the opening session entitled "Meetings—How to Hold 'Em, When to Fold 'Em," which covered all aspects of conducting committee meetings.
2. Committee chair replacements for the upcoming 2002–2003 year were announced based on information available at that time. All standing committee chairs plus representatives would be contacted in order to help incoming President Dan Smith organize his year.
3. Ray Thomasson gave an updated report on the committee member campaign. One of the items discussed was how much longer this project should continue once all of the recommended people had been contacted and decisions made by each committee about adding and/or replacing members. The suggestion was made that committees rotate their memberships so that about one-third could be replaced or reappointed each year.
4. Various other items about committees were discussed, including (1) whether certain committees should be consolidated; (2) the possibility of having mid-year as well as annual committee reports; (3) posting committee member terms on the appropriate AAPG Web page; and (4) the need to send the Committee Guidelines to all vice chairs as well as to each division president and the House of Delegates chairman.

Peter G. Gray, Chair

Committee members: George Bole, Dave Campbell, Brian Cardott, Pete Gray (chair), Ed Heath, Bob Laudon, Bob Lindblom, Clint Moore, Bill Morgan, Pierce Pratt, Deborah Sacrey, Dan Smith, Ray Thomasson, Art Van Tyne, Clyde Wooton, and Pinar Yilmaz. Liaisons to the COC include Dan Smith, AAPG president-elect, and Linda Burris, AAPG headquarters staff.

Computer Applications and Internet

The development and maintenance of the AAPG's World Wide Web site is the responsibility of the AAPG headquarters staff and their service vendors. The AAPG Computer Applications and Internet Committee is a volunteer advisory group of AAPG members responsible for suggesting ways to improve the value of that Web site to visitors, especially to members of AAPG. The committee will initially concentrate on suggestions related to (1) content and organization of the Web site, (2) presentation standards and quality, (3) functional enhancements, especially those that improve inter- and intra-committee communications, (4) assisting the AAPG staff in long-range planning for the use of the Web site and the internet, and (5) developing and recommending organizational and decision-making infrastructure.

June 7, 2002

- GIS for AAPG Data: The vision is to focus on the common interest of disseminating science and create a one-stop online shopping center for digital geoscientific data. Members would be able to search and retrieve and order journal articles and spatial data such as GIS maps, cross sections, locations of data, and related data tables. Importantly, the search can be either geographic or by geotechnical subject. The site should be the first and last place that people go to search for publicly available digital geoscientific data. AAPG Datapages has made excellent progress in the past two years to provide this service to the membership and other interested clients, but we clearly can do more to develop the approach into a world-class e-commerce site for dissemination of digital geotechnical data. Alliances will need to be struck with other societies and possibly vendors, visions and the business plan will need to be updated and validated, and budgets will need to be funded for the initiative to be developed into the next phase. One thing remains clear—the AAPG wants to lead this process so we can fully exploit our massive database, as well as our expertise.
- AAPG convention e-poster support: John Adamick of the AAPG Houston convention technical session planning committee provided a “lessons learned” report at the annual Computer Applications and Internet Committee (CAIC) meeting, which will allow us to be more effective in supporting the e-poster presentations at the AAPG conference in Salt Lake City. Key issues include standardization of submitted digital data, making the presentations available at the Virtual Cafe for those who missed the formal presentations, further guidelines for publishing in *Search and Discovery*, and having a CAIC person to handle technical questions during session preparations. Betsy Campen and Pierce Pratt offered to take the lead on working with the Salt Lake City technical session planning committee.
- Online Grants-in-Aid (GIA) application form: The CAIC has been working with Denise Cox (past Grants-in-Aid chairman) and Rebecca Griffin (AAPG Foundation Grants-in-Aid coordinator) to establish a Web-based online application for students applying for GIA grant monies. Two companies, Cadmus and Confex (same company who does the online AAPG abstract submission), have submitted proposals for the job, and the CAIC has assisted in providing technical reviews of their Web-based applications. The CAIC will assist the GIA going forward in ensuring that the GIA application process will be online for the 2002–2003 cycle.
- Online voting and balloting for AAPG elections: Jean Lemmon, chair of the balloting committee has contacted the CAIC for assistance in characterizing the initiative for AAPG elections electronic balloting. The CAIC supports the initiative and has agreed to stay in contact with Lemmon to offer assistance when needed to ensure the initiative is implemented in a timely and efficient manner. The AAPG Executive Committee has agreed to implement the new process, and a vendor has been awarded the Web site applications contract. The last main hurdle is the modification of the AAPG Bylaws to allow the process (House of Delegates task), a process expected to take approximately one year. The Geological Society of America (GSA) implemented online balloting last year, and has been pleased with the results.
- AAPG Standing Committee Web sites: The Standing Committee Web sites content has improved considerably this past year, but more improvements can be made. Robbie Gries has been very helpful in reviewing committee Web site content and providing ad hoc reports to the CAIC outlining areas for improvements and identifying committee Web page successes. In response, the CAIC has created a list of “minimum data requirements” (e.g., meeting minutes, schedule, committee participant list) and “suggested data requirements”

(e.g., presentations, pertinent links, etc.) and submitted to all committee chairs for their review and application. The CAIC has also offered to help committee chairs formulate information and data for submission to the Web site. It is imperative that all committee Web sites be maintained on a regular basis, as this allows an efficient review by all interested in the current and future activities of each AAPG standing committee.

- Virtual Student Expos (VSE): The CAIC has agreed to help Robbie Gries and Michael Deal, and their GSA alliance Sharon Moser, to progress and build a template for the Virtual Student Expo. The initiative will allow Web site posting of international and United States student resumes and videos, which can be reviewed by potential recruiters (with a password and likely with a fee involved). The Society of Exploration Geophysicists and the Society of Petroleum Engineers have both expressed a desire to participate in the VSE, and corporate interest polled in the Corporate Advisory Committee was very interested in the development of this initiative.
- Core and sample repository database: Robbie Gries has recently approached the CAIC for assistance in supporting the initiative to create a database of worldwide core and sample repositories. Allen Britton, current president of the Pacific Section, in Bakersfield, California, has volunteered to compile and digitize the information, place the data onto CDs, and set up a maintenance system for data in the future, perhaps on the AAPG Web site. This ideally would include a video presentation of each facility with verbal descriptions and explanations of each facility. Allen has agreed to join the CAIC to allow a more efficient support of the initiative.

B. Fossum, Chair

B. Osten, Vice Chair

Committee members: Paul Belanger, Peter Brennan, Amy Burke, Elizabeth Campen, Christopher Connors, Edward Dolly, Bret Fossum, Paul Gerlach, Michael Hohn, Inda Immega, Hannes Leetaru, James McDonald, Lawrence Osten, Paul Pause, Pierce Pratt, and Jeffrey Yarus.

Conventions

The mission of the Committee on Conventions is to (1) assist local organizing committees in planning, coordinating, and conducting AAPG annual conventions and AAPG international conferences (includes providing guidance on creating excellent technical programs, field trips, and short courses.); (2) make recommendations to the AAPG Executive Committee on annual meeting and international conferences site locations; (3) make recommendations to the Executive Committee on permanent rotations for domestic annual meetings and for international conferences; and (4) provide a training ground for future local organizing committee members.

The Committee on Conventions achieved significant accomplishments in 2001.

Two standing subcommittees were established:

1. Technical Program (Barry Katz, chairman). Objective: help annual convention and international conferences local organizing committees create excellent technical programs
2. International Conferences. Objectives: (1) establish and implement a process whereby international conference sites are selected, (2) establish a rotation for international conferences, and (3) collect and pass on to local organizing committees knowledge about how conferences and conventions are organized

The Committee made recommendations to hold the 2005 AAPG Annual Convention in Calgary, and to hold AAPG International Conferences in Barcelona, Spain (2003), Mexico City, Mexico (2004), Paris, France (2005), and Perth, Australia (2006). The Committee devised an International Conference rotation between the five international regions and recommended this rotation to the Executive Committee. An ad hoc subcommittee was established to investigate and recommend modifications to the annual meeting permanent rotation.

The fiscal year 2002–2003 looks to be just as busy with activities to include reviewing and possibly modifying the domestic rotation, strengthening the technical program subcommittee, creation of a convention survey, and monitoring the Salt Lake City and Dallas AAPG annual meetings as well as the international conferences in Cairo and Barcelona.

Erik Paul Mason, Chair

Committee members: Thomas Ahlbrandt, Edward Dolly, Thomas Ewing,

Thomas Fouch, Robbie Gries, Chacko John, John Lopez, Jeffrey Lund, Erik Mason, Debra Nishida, Brian O'Neill, Janet Pitman, Robert Ray, Robert Sellars Jr., Charles Senz, Robert Shoup, Stephen Sonnenberg, Daniel Titerle, Steven Veal, and William Wilbert.

Corporate Advisory

The purpose of the Corporate Advisory Committee is to provide a channel between the Association and corporations that employ members of the Association.

The Corporate Advisory Committee was reconstituted in 2001–2002. The Corporate Advisory Committee's current mission and 2002 Plan can be found on AAPG's Committee Web site.

During the past year, the Committee as a whole or through its individual members gave advice on and/or mobilized significant support for

- Current trends and future issues in the energy, environmental, and minerals industry
- A long-term funding model for AAPG
- Growth of AAPG membership (e.g., support for student members)
- New products and services (e.g., publications aggregate of AAPG/SEG/GSA/ Geological Society (London) and others; virtual student expos; international APPEXs)
- Representation of the geological professions and AAPG before legislative/regulatory bodies, key influencers (including politicians and the press) as well as the public at large
- Educational needs (e.g., high school learning; the Teaching Petroleum Geology initiative; life-long learning; e-learning)
- AAPG Conventions, International and Regional meetings (e.g., St. Petersburg 2001, Barcelona 2003)
- Acceptance of affiliated societies
- Name of the Association: the committee members are committed to exploring a name change for the Association that will accurately convey both AAPG's strong roots in the United States as well as the Association's continued growth in international petroleum communities.

The Corporate Advisory Committee at all times cooperates with appropriate AAPG committees and keeps them and the Committee on Committees informed through its Web site, newsletters, agendas, and minutes.

Wolfgang Schollnberger, Chair

Committee Members: Mahmoud M. Abdul-Baqi, Peter Aronstam, Mikhail Belonin, Clarence Cazalot, Jim Emme, John W. Gibson Jr., William Herbert Hunt, Richard Lanaud, Loren Leiker, Ray Leonard, Wolfgang Nachtmann, Wolfgang Schollnberger, Peter Schwans, Tom Schull, Alex Van den Berg, William Wescott, and Edith Wilson.

Distinguished Lecture

The function of the Committee on Distinguished Lecture is to arrange lecture tours among affiliated societies and the academia by offering outstanding speakers on timely subjects.

The Distinguished Lecture Committee is charged with nominating and selecting distinguished lecturers for fall-spring lecture tours. These tours are designed to provide academic and affiliated societies access to superb geoscientists showcasing their work. The committee currently consists of 24 dedicated professionals representing 7 oil and gas companies, 3 consultants, 11 academic institutions, and 3 state and governmental offices. Judged by the success of the 2001–2002 season (Table 1), and the breadth of speakers for 2002–2003 (Table 2), the committee continues to maintain a high caliber and balanced roster of lectures that bring a diverse sampling of our science to wide audiences.

The estimated cost for the 2001–2002 domestic and international tours is \$269,726. This included \$106,434 for direct travel and \$163,292 in operations expenses. Income from host societies—approximately \$51,000—will partially defray these expenses, with the AAPG Foundation using its Distinguished Lecture Fund to subsidize the remainder of the expenses incurred for this educational program.

The eight 2001–2002 Distinguished Lecturers provided a total of 120 visits, 43 in the eastern section and 77 in the western part of North America and reached an audience of 7405 (47 geological societies and 73 universities, an increase of 5% lectures to geological societies compared to the previous year). Additionally, the international subcommittee fielded six speakers/tours (also in Table 1) that delivered 64 lectures, in Australasia, Eastern and Western Europe, Central Asia, Middle East, and Latin Amer-

ica to an audience of 3311 (total for both domestic and international is 10,716), an increase due to offering more speakers than the previous year. These figures will increase following William Galloway's Asia/China Distinguished Lecture Tour in August 2002.

The 2002–2003 tour promises to be equally successful. To date we have received a total of 221 requests for the slate of 8 speakers to tour throughout North America. As is usual, this suggests each speaker will contend with very hectic schedules as he/she endeavors to broaden AAPG's impact on our discipline.

Continuing the cooperative effort with other societies, the AAPG-SEG Distinguished Lecture was launched during 1999–2000. Since then, the intersociety lecturer has been selected by both the AAPG and SEG Distinguished Lecture Committees, and the administrative responsibilities alternate biannually. AAPG administered Kurt Rudolph's Distinguished Lecture tour during 2001–2002; Jerry M. Harris has been selected to be the 2002–2003 SEG-AAPG Distinguished Lecturer.

During 2001, the emphasis was to extend the interdisciplinary offerings; thus,

the inaugural AAPG-SPE-SEG interdisciplinary Distinguished Lecture was launched after much discussion as to the selection process and administration. The final decision for 2002–2003 is as follows: all three organizations, including their respective Distinguished Lecture committees, offer at least two speakers for each of the other two organizations; either 1–2 or none could be chosen by each organization. SPE accepted both of AAPG's selections: Scott Tinker and Roger Slatt; AAPG, chose one of SPE's two offerings (Dennis Beliveau [Table 2]) and SEG decided not to participate this year.

Table 1. 2001–2002 AAPG Distinguished Lectures

North America Distinguished Lectures

Carlos Bruhn

Petrobras E&P, Rio de Janeiro, Brazil
Allan P. Bennison Distinguished Lecturer
"Contrasting Types of Oligocene/Miocene, Giant Turbidite Reservoirs from Deep Water Campos Basin, Brazil"

Cathy Busby

University of California at Santa Barbara
(1) "Evolutionary Model for Convergent Margins Facing Large Ocean Basins: Mesozoic Baja California, Mexico"
(2) "Climatic and Tectonic Controls on Jurassic Intra-Arc Basins Related to Northward Drift of North America"

James Harrell

University of Toledo
"Archaeological Geology in Egypt: Ancient Oil Wells and Mummy Bitumen, Earliest Geological Map, First Paved Road, Pyramid Temple Pavements, and the Sphinx Age Controversy"

Peter Hennings

Phillips Petroleum Co., Bartlesville, Oklahoma
"Present and Future of Building, Sharing and Exploiting 3D Models for Characterization of Strongly Deformed Reservoirs"

Kurt Rudolph

ExxonMobil Exploration Company, Houston, Texas
AAPG-SEG Inter-Society Distinguished Lecturer
"DHI/AVO Analysis Best Practices: A Worldwide Analysis"

Roger Slatt

University of Oklahoma, Norman
J. Ben Carsey Distinguished Lecturer
"Outcrop/Behind-Outcrop Characterization of Deepwater (Turbidite) Petroleum Reservoir Analogs: Why and How"

John Suter

Conoco, Inc., Houston, Texas
(1) "Deltaic Systems: Perspectives on Facies Models and Sequence Stratigraphy"
(2) "Sequence Stratigraphy in a Development Setting: Petrozuata, Faja Petrolifera del Orinoco, Venezuela"

William Zempolich

Offshore Kazakhstan International Operating Company NV, The Hague
Haas-Pratt Distinguished Lecturer
(1) "Kashagan Discovery: An Example of the Successful Use of a Multidisciplinary Approach in Reducing Geologic Risk"
(2) "Dolomite Reservoirs Created Through Fault-Related Burial Dolomitization: Analogs from the Italian Alps"

International Distinguished Lectures

Salman Bloch

Consultant, Houston, Texas (formerly with Texaco)
Australasia/Indonesia/Southeast Asia Tour
(1) "Anomalously High Porosity and Permeability in Deeply Buried Sandstone Reservoirs"
(2) "Pre-drill Assessment/Prediction of Sandstone Porosity and Permeability in Frontier and Mature Areas"

William E. Galloway

University of Texas at Austin
Roy M. Huffington Funded Distinguished Lecturer
Southeast Asia/China Tour
"Cenozoic Deepwater Reservoir Systems Tracts of the Northern Gulf of Mexico Basin"

Charles Kerans

Bureau of Economic Geology, University of Texas, Austin, Texas
Dean A. McGee International Distinguished Lecturer
Middle East Tour
(1) "Evolving Models of Middle Eastern Cretaceous Carbonate Reservoirs"
(2) "Evolving Technologies and Opportunities in Carbonate Systems"

James A. MacKay

Prodigy, Inc., Houston, Texas (formerly with Texaco)
Latin America Tour
"Exploration Risk Assessment: What is it? How is it Done? Who is Responsible?"

Dag Nummedal

Institute for Energy Resources, University of Wyoming, Laramie
Western European Tour
(1) "Falling Stage Systems Tract in Siliclastic Systems and Its Control on Reservoir Architecture and Exploration Strategies"
(2) "Hydrocarbons of the South Caspian Basin: How Exploitation Depends on the Understanding of the Neogene Paleoclimate"
(3) "Internal Tides and Bedforms at the Shelf Edge"

Gabor C. Tari

Vanco Energy Company, Houston, Texas
Eastern Europe/Central Asia Tour
(1) "Palinspastic Reconstruction of the Carpathian/Pannonian System"
(2) "Examples of Salt Tectonics from the West African Passive Margins: Exploration in a Major Emerging Petroleum Province"
(3) "Comparison of the Ouachita and Carpathian Fold Belts"

The chosen Distinguished Lecturer(s) will be incorporated into each respective slate of speakers; additionally, a link on our Web sites will cross advertise the chosen Distinguished Lecturer(s).

AAPG appreciates all efforts shown by the Distinguished Lecturers' companies and universities in providing them with their technology resources in drafting superior slides accompanying the talks to

the extended periods of time away from the office for the tours, occasionally as much as six weeks.

To enhance the Distinguished Lectures, some of the Distinguished Lecturer's graphics will be added to the Web site in pdf files; these can be downloaded to review the lecture(s) or to benefit those who did not have the opportunity to attend it. These slides will be offered fol-

lowing the Distinguished Lecture tours. The following have contributed their slides for inclusion: Carlos Bruhn, Kurt Rudolph, Roger Slatt, Salman Bloch, Dag Nummedal and Gabor Tari.

We are pleased the significant support from the AAPG Foundation has continued as a result of major contributions to its Distinguished Lecture Fund establishing Named Lectures, such as: the Allan P.

Table 2. 2002–2003 AAPG Distinguished Lectures

North America Distinguished Lectures

Thomas Ahlbrandt

United States Geological Survey, Denver, Colorado
"Assessment of Global Oil, Gas and NGL Resources Based on the Total Petroleum System Concept"

John Anderson

Rice University, Houston, Texas
Haas-Pratt Funded Distinguished Lecturer
 (1) "Variations in Late Quaternary Stratigraphic Architecture in the Northern Gulf of Mexico: Generating Stratigraphic Models from Case Studies"
 (2) "Antarctica's Contribution to Eustasy"

Dennis Beliveau

Epic Consulting Services Ltd., Calgary, Alberta, Canada
AAPG/SPE Inaugural Intersociety Distinguished Lecturer
"Heterogeneity, Geostatistics, Horizontal Wells, and Black Jack Poker"

John R. Delaney

University of Washington, Seattle
 (1) "Anatomy of a Submarine Hydrothermal Field"
 (2) "Volcanoes, Oceans, and Life in Our Solar System"
 (3) "NEPTUNE: A Submarine Network of Interactive Laboratories at the Scale of a Tectonic Plate—A New Paradigm in Ocean and Earth Sciences"

Emery D. Goodman

ExxonMobil, Houston, Texas
J. Ben Carsey Funded Distinguished Lecturer
"Genetic Approach to Understanding a Complex Hydrocarbon System: Caribbean Colossus of East Venezuela"

G. Michael Grammer

Western Michigan University, Kalamazoo (formerly with ChevronTexaco, Houston, Texas)
 (1) "Predicting the Distribution and Geometry of Platform Carbonate Reservoirs—Insights from the Integration of Modern and Outcrop Analogs"
 (2) "Using Comparative Sedimentology to Unravel the Dynamics of Carbonate Systems—Lessons Learned and Future Directions"

Jerry M. Harris

Stanford University, California
AAPG-SEG Inter-Society Distinguished Lecturer
"Crosswell Seismic Profiling: The Decade Ahead"

Lidia Lonergan

Imperial College, London, United Kingdom
Allan P. Bennison Funded Distinguished Lecturer
"Sand Remobilization and Injection in Deepwater Systems: Implications for Enhanced Reservoir Production"

Cindy Yeilding

BP, Houston, Texas
"The History of a New Play: Thunder Horse Discovery, Deepwater Gulf of Mexico"

International Distinguished Lectures

Timothy Garfield

ExxonMobil, Houston, Texas
 Western Europe Tour
Dean A. McGee International Funded Distinguished Lecture
"Sequence Stratigraphy and Facies Architecture of Deepwater Reservoirs: New Data, Tools and Concepts"

John Kaldi

NCPGG, Adelaide, Australia
 Asia Tour
 (1) "Evaluating Seal Potential of Top and Intraformational Seals"
 (2) "Seal Capacity in Dynamic Petroleum Systems: Example from Pagerungan Gas Field, East Java Sea, Indonesia"
 (3) "Rocks, Holes and the Fire Brigade: Understanding the Pore Geometry of Reservoir Rocks"
 (4) "Upstream of Upstream: Preparing Professionals for the Petroleum Industry"

Charles F. Kluth

ChevronTexaco, San Ramon, California
 Latin America Tour
"Fun with Dip! The Predictive Use of Dip Data to Improve the Interpretation of Fold Traps"

Gordon Knox

Consultant, Balzan, Malta
Roy M. Huffington Funded Distinguished Lecture
 Australia/Indonesia Tour
 (1) "Subsurface Risk and Uncertainty Assessment in Petroleum Exploration—The Challenges"
 (2) "Ways of Working and Organization in Exploration"

Rick Sarg

ExxonMobil Exploration, Houston, Texas
 Middle East Tour
 (1) "Carbonate Sequence Stratigraphy—Future Directions for Exploration and Development"
 (2) "Predictability of the Stratigraphic Record from the Outcrop to Multiple Seismic Attribute—Past, Present and Future"
 (3) "Sequence Stratigraphy, Sedimentology, and Economic Importance of Evaporites and Evaporite-Carbonate Transitions"

M. Celal Sengor

Technical University of Istanbul, Turkey
 Central Asia/Europe Tour
 (1) "Tectonic Evolution of the Altids and Continental Evolution in Asia in the Paleozoic and Mesozoic"
 (2) "Tectonic Evolution of the Tethysides"

Bennison International Distinguished Lecturer, funded by Allan Bennison; the Haas-Pratt Distinguished Lecturer, funded by Merrill W. Haas; the Roy M. Huffington Distinguished Lecturer, funded by Terry Huffington in honor of her father; the Dean A. McGee International Distinguished Lecturer, funded by Kerr-McGee Corporation; and J. Ben Carsey (a bequest from J. Ben Carsey, Jr., in memory of his father, a former AAPG president).

The committee gratefully acknowledges the AAPG Foundation's generous support, and encourages AAPG members to support the Foundation's Distinguished Lecture Fund, which will ensure the continued success of this program for future generations of geologists.

Last, but certainly not least, please join us in thanking each of the committee for their continued efforts.

Paul Weimer, Chair
Marianne Weaver, Vice Chair

Executive Committee Liaison: Don W. Lewis

Committee Members: John B. Anderson, Mark Cooper, Gregor Eberli, Frank G. Ethridge, Richard H. Groshong, Jr., *Alfredo Guzman, Peter H. Hennings, Robert A. Horton, Jr., Chacko J. John (EMD rep), Charles Keran, Alan S. Kornacki, Lee F. Krystinik, Byron Kulander, David K. Larue, Stephen E. Laubach, Dale A. Leckie, Michael D. Lewan, Stanley T. Paxton, S. George Pemberton, Matthew J. Pranter, Barbara J. Radovich, and J. Frederick Sarg.

International Subcommittee: Paul Weimer, chair, Marianne Weaver, vice chair, Peter Attewell, Felipe Audemard, J. Calvin Cooper, Paul Crevello, Barry A. Goldstein, *Alfredo Guzman, Peter M. Lloyd, Alain Mascle, Bayo Akinpelu, Henry S. Pettingill, Frank J. Picha, and Gabor Tari.

Eastern Europe Subcommittee: Frank J. Picha, chair, Abraham Murtuzayev (Azerbaijan), George Krastev Ajdanlijsky (Bulgaria), Tihomir Marjanac (Croatia), David Ulicny (Czech Republic), Juraj Francu (Czech Republic), Alexander Chabukiani (Georgia), Andras Galacz (Hungary), Mikhail K. Apollonov (Kazakhstan), Shlygin Dmitry A. (Kazakhstan), Tadeusz M. Pery (Poland), Olteanu Ionel (Romania), Konstantin O. Sobornov (Russia), Jan Milicka (Slovakia), Alexander A. Kitchka (Ukraine)

Western European Subcommittee: Alain Mascle, chair, Thomas Aigner, Germany; Philip A. Allen, Ireland; Mateu Esteban, Spain; Jaap W. Focke, Netherlands; Walter P. Grun, Austria; Hemin Koyi, Sweden; Jean Letouzey, France; Emiliano Mutti, Italy; David G. Roberts, United Kingdom;

Hans Ronnevik, Norway; Finn Surlyk, Denmark; Rudolph Swennen, Belgium

*on both the domestic and international committees

Education

The function of the Education Committee is to stimulate and guide a viable education program by setting goals, guidelines, and directions that satisfy changing needs in continuing education; by recommending subjects for the changing needs in continuing education; by recommending subjects for the Association's catalog of short courses, schools, field seminars, training seminars, course note series, and related education activities; recommending speakers and program leaders and their fees; advising AAPG leadership on education matters, reviewing proposals relating to continuing education.

During the years 1998–2001, about 3000 geoscientists attended AAPG schools and field courses, more than 300 attended courses given at AAPG international meetings, and about 900 attended Hedberg Conferences coordinated by the Education staff. Over the years, the ratio of members attending training to total membership has fallen slightly, and is of concern to the Committee. Several new education initiatives were launched to improve training services.

The Committee is seeking alternatives to the traditional classroom-based training using the Internet for distance learning. By providing training alternatives on the Internet we hope to potentially reduce tuition to members and allow more flexible scheduling that does not require time away from home base. In January 2002, a series of highly interactive Internet-based courses developed by the BEG with seed funding from the American Geological Institute were launched through the AAPG Web site. Universities such as Oklahoma and Tulsa also have Internet courses that they wish to market, and AAPG is in discussions to determine if a joint business model can be agreed. The Committee reviewed several other less mature proposals during the year. To help members make the transition from traditional to Internet distance training, Headquarters staff is trying to organize a short course for instructors on how to present a course on the Internet for the 2003 convention.

At the yearly meeting, Education Committee action teams were formed to pur-

sue special topics including updating its Charter, a survey of member training requirements, how to improve attendance at training courses, and how to capture the acquired wisdom of senior members of AAPG. The Committee expects to recommend to the Executive Committee by mid-year 2002 an outside vendor to help us conduct the training requirement survey.

Finally, there may be new opportunities to assist oil companies in certain of their training activities. During 2002, AAPG developed a suite of on-site training courses for the Turkmenistan affiliate of Mobil. Three onsite schools were planned, but only one was presented due to the events of September 11, 2001. Other opportunities to provide similar services are being explored.

Bob Young, Chair

Committee members: Kevin Allison, Arthur Bishop, Dudley Bolyard, Sokari Braide, Ross Clark, Robert Clarke, Mark Clement, Denise Cox, Herman, James DiSiena, Edward Dolly, Martin Dubois, James Forgotson Jr., Eric Frodesen, Lee Gerhard, Anthony Grindrod, William Hansen, Ben Hare, Charles Kluth, Phillip Levine, Daniel Nedland, Jeffrey Nunn, James Party, Rima Petrossian, Stan Pittman, Dale Reese, Eugene Rhodes, Anthony Simo, Stephen Sonnenberg, Mark Sonnenfeld, Gloria Sprague, Sarah Stanley, Scott Tinker, James Tucker, Jeffrey Warren, Mary-Beth Wegner, and Robert Young.

Ethics

The Ethics Committee is charged with investigating and prosecution of charges of misconduct by AAPG members who are in violation of the AAPG Code of Ethics.

Charges of misconduct in violation of the code of ethics (Article IV) of the AAPG Constitution must first be submitted in writing to the Executive Director at Association headquarters with a statement of the evidence on which the charges are based. The Executive Director submits the charges to the Ethics Committee of the Association, which is a standing committee and which consists of three members of the Division of Professional Affairs. The AAPG Executive Committee appoints the members of the committee for staggered three-year terms. The Ethics Committee may conduct an investigation to reasonably and thoroughly investigate the charges. If in

the judgment of the Ethics Committee and after consultation with AAPG legal counsel, the evidence supports further action by the Association on the charges, the committee prepares and files with the Advisory Council at Association headquarters formal charges against the accused member. Upon such filing the chairman of the Advisory Council appoints a Hearing Body from the Advisory Council members and the Ethics Committee appoints one of its members as the prosecutor. The grievance procedures are described in the AAPG bylaws. The existence of allegations against any member, and the basis and content thereof, is confidential.

The Ethics Committee is currently processing two ethics cases as forwarded by AAPG members. The cases are confidential.

Stephen A. Sonnenberg, Chair

Committee Members: Steve Sonnenberg (chair), Terry Hollrah (vice chair), and Jim Gibbs.

Grants-in-Aid

The purpose of the AAPG Foundation Grants-in-Aid program is to foster research in the geosciences by providing support to graduate students in the earth sciences whose research has application to the search for and development of petroleum and energy-minerals resources, and to related environmental geology issues.

Awards Summary

The AAPG Foundation Grants-in-Aid program received 272 applications for review this year. This is a decrease of 33 or 11% from the previous year (Table 1). Ninety-six monetary awards were made this year totaling \$168,600. The total number of awards decreased only slightly from the previous year. Thirty-five percent of the applicants received awards this year for an average grant of \$1756, both a slight increase from the previous year. All Restricted Grants were awarded this year to the top scoring, eligible applicants.

A total of 146 doctoral candidates applied for awards compared to 126 master's candidates, or those seeking the non-U.S. schools' equivalent degree. Fifty-two percent of the doctoral candidates received awards, as did forty-nine percent of the master's candidates.

Just over half the applications received, 57%, were from non-U.S. citizens compared to 43% from U.S. citizens. The ap-

Table 1. 1995–2002 Funding History (Monetary Awards)

Year (\$)	Applicants	Awards	Percent of Applicants	Amount Awarded
1995	198	59	30	87,614
1996	140	54	39	91,372
1997	179	61	34	96,542
1998	207	80	39	131,276
1999	273	127	47	155,500
2000	429	108	25	172,250
2001	305	100	33	172,000
2002	272	96	35	168,600

Table 2. Percentages of Applications Received and Awards Issued, By Citizenship

Year	Applications Received (%)		Applications Funded (%)	
	U.S.	Non-U.S.	U.S.	Non-U.S.
1995*	50	50	61	39
1996*	48	52	53	47
1997*	44	56	43	57
1998*	51	49	51	49
1999	47	53	51	49
2000	45	55	60	40
2001	34	66	53	47
2002	43	57	50	50

*Monetary + Merit Awards

Table 3. Percentages of Applications Received and Awards Issued, By School Nationality

Year	Applications Received (%)		Applications Funded (%)	
	U.S.	Non-U.S.	U.S.	Non-U.S.
1995*	57	43	68	32
1996*	58	42	66	34
1997*	56	44	52	48
1998*	59	41	61	39
1999	51	49	59	41
2000	56	44	72	28
2001	42	58	63	37
2002	59	41	63	37

*Monetary + Merit Awards

plications funded are based on competitive ranking and resulted in an even distribution between U.S. citizens (50%) and non-U.S. citizens (50%) (Table 2). Further analysis reveals that 59% of all the applicants are enrolled in U.S. schools, as are 63% of those receiving awards (Table 3).

The Grants-in-Aid program continues to reach out to students through its Web site. For the 2002 program year, a postcard was sent to more than 1300 schools around the world announcing the GIA program. The postcard referred applicants to a downloadable version of the Grants-in-Aid application form via the AAPG Web site, <http://www.aapg.org/foundation/gia/index.html>. Hard copies of the application can be requested from

AAPG if students do not have Internet access.

The list of the 2002 award recipients was announced at the AAPG Annual Convention in Houston and made available on the AAPG Web site at <http://www.aapg.org/foundation/gia/grants2002.html>. Abstracts of theses and dissertations from students who received financial grants in 2002 will be published on the AAPG Web site. Due to space limitations in the hard copy of the *Bulletin*, abstracts for the 2002 award recipients will not be published in the printed *Bulletin*. Of the 96 award recipients, 23 have currently submitted abstracts for publication. Publication of the abstracts increases the visibility of the Grants-in-Aid program, provides prestige and publicity to award

recipients, and informs the membership of student research being supported by the Foundation Program.

Funding

Of the total \$168,600 amount awarded, \$102,850 was provided by the Foundation Grants-in-Aid Fund and \$65,750 was from AAPG Foundation "Named Grants" honoring institutions and distinguished AAPG members. Five new named permanently funded grants were established within the AAPG Foundation and made available for the 2002 award year:

- Garth W. Caylor Memorial Grant
- Merrill W. Haas Memorial Grant
- Frank E. Kottowski Memorial Grant
- James W. Milliken Memorial Grant
- SEAPEX (Southeast Asia Petroleum Exploration Society) Named Grant

The funds from the Foundation and the Named Grants allow the Grants-in-Aid program to continue rewarding excellence in petroleum, energy minerals, and environmental research. The Grants-in-Aid Committee encourages all AAPG members to support the Foundation Grants-in-Aid program and to consider endowing a Named Grant during their lifetime so they can experience the benefits and rewards of their charitable donations.

Committee

For the 2001–2002 program year, the Committee comprised 50 members with geographic representation from the Australia (1), Austria (1), Belarus (1), Brazil (1), Canada (3), United Kingdom (4), India (1), Mexico (1), Netherlands (1), Poland (1), Saudi Arabia (1), Scotland (1), Singapore (1), Turkey (1), Ukraine (1), and the United States (37 of which 8 have strong affiliation with international regions). The Grants-in-Aid Committee aggressively recruits international members. This is greatly facilitated by the international region presidents and service team leaders.

Many people deserve recognition for their roles in making the Grants-in-Aid program a success in 2002: the AAPG Foundation and individual donors for their generous financial contributions; Committee members for thoughtful review of applications and their suggestions for improving the program; and the AAPG Foundation staff who are responsible for administration of the Grants-in-Aid program. We wish to thank you all for your contributions, and your dedication continues to uphold the excellence of the AAPG Foundation Grants-in-Aid program.

Denise M. Cox, Chair
George A. Grover Jr., Vice Chair

Committee members: George Ardies, Kathy Aulstead, Robin Ausbrooks, Steven Bachtel, Ralph Baird, Jennifer Beall, Winston Bell-Gam, Andrei Belopolsky, Hedi Ben Tahar, Mark Bitter, Alton Brown, Raul Cabrera-Garzon, Melissa Anne Coleman, Christopher Crescini, Andrew Cullen, Sami Derman, Stephen Edwards, Curtis Evert, Lee Fairchild, Bret Fossum, Evan Franseen, Francois Gauthier, Jan Golonka, Michael Grammar, Anthony Grindrod, Walter Grun, Alexander Gumen, Edgar Guevara-Sanchez, Nicholas Harris, William Harrison, Denise Hodder, Jean Hsieh, Brian Keith, Alexander Kitchka, Gopal Lahiri, Henry Legarre, Richard Lorentz Jr., Peter Mackenzie, Kevin Meyer, Andrea Moscariello, Amy Osborn, Eric Potter, Matthew Pranter, William Raatz, Maximiano da Silva Scuta, Robert Sneider, Robert Spoelhof, Russell Stands-Over-Bull, Neil Sumner, Krystyna Swirydczuk, Maureen Wan, Johnnie Wanger, Elizabeth Witton-Barnes, and Laura Zahm.

History of Petroleum Geology

The function of the Standing Committee on the History of Petroleum Geology is to encourage research of the roots and evolution of this applied science. The Committee's purpose would be served by the documentation of the geological breakthroughs in the search for oil and of the geologists who realized and conducted them. The scope of this intention is worldwide.

The most important event of our committee was our forum scheduled for the AAPG Annual Convention on Sunday, March 10, 2002. It was titled "The History of Petroleum Geology in Selected States." Four states seen through the eyes of the state geological surveys were selected as examples of the history of petroleum geology: Pennsylvania, Michigan, Colorado, and Texas.

Speakers and topics included Gerald M. Friedman, chair, "Petroleum Geology in Selected States;" K. J. Flaherty (Pennsylvania), "After Drake: People, Places and Petroleum;" W. L. Henderson (Michigan), "The History of Petroleum Geology in Michigan;" V. Cowart (Colorado), "History of Oil and Gas Exploration and Production in Colorado;" and W. L. Fisher

(Texas), "The Geological Survey of Texas."

Drake completed his successful oil well in August 1859. By the end of that first historic year, at least five additional fields were discovered in Pennsylvania. By the close of the 19th century, nearly 300 oil and gas fields were in production.

In 1925, Saginaw oil field became Michigan's first commercial success in the Mississippian Berea Sandstone, using local brine wells to map an anticline. Discovered in 1957, the Albion-Scipio oil field, a narrow 35-mile linear trend of Ordovician dolomite pools, still ranks as Michigan's only giant field.

In Colorado and Texas, several basins and numerous fields provided much of the backbone to the United States oil and gas industry, with such giants as the Upper Cretaceous oil fields of the Denver basin in Colorado, or such Texas giants as the Permian basin, the Wilcox, Austin Chalk, the Sprayberry trend of west Texas (once known as the world's largest uneconomic field), Frio Formation, and others.

Our originally scheduled final paper titled "Controversies Involving 20th Century Pioneers in American Geology: J. L. Rich and W. H. Bucher: A Personal Perspective" by G. M. Friedman was sent for publication to AAPG's Explorer to make room for the last speaker at the forum. Before commenting on the last speaker's forum talk I wish to note that Rich's and Bucher's contributions must be cited. Rich was an AAPG Honorary Member and AAPG editor whose major new understanding resulted in the discovery of large reserves of petroleum in the Rocky Mountains by drilling through the overthrusts. Bucher's students serve as examples of the large impressive cast of students who were the key players in the plate tectonic revolution.

The last speaker at the forum was Simon Winchester, whose book, *The Map that Changed the World—William Smith and the Birth of Modern Geology*, became a New York Times best seller. "Strata" Smith is the hero of this book. This book and Winchester's oral tale concluded the forum.

In the morning on Sunday, March 10, 2002, the Committee members met to discuss the future of the History of Petroleum Geology Committee. One of the subjects of discussion was the election of the next chairman whose term of office begins July 1, 2002. The newly elected chair is Robert Ginsburg, who is extremely qualified for the position. He has been involved in the history of geology events for many years and is in addition one of the fathers of modern sedimentol-

ogy. As the outgoing chair of the Committee I am most pleased.

In November 2001 we scheduled a joint field trip with the Geological Society of America (GSA) titled "The Founders of American Geology: A Visit to Their Tombs and Favorite Exposures." The GSA has published this field-trip guidebook as Guidebook for Trips in New England.

Our last AAPG Annual Meeting used a logo picturing a geologist in heavy boots and knickers with plane table and alidade. The description cited "Our Heritage: Key to Global Discovery." The theme was meant to honor and derive value from our predecessors and their vast experience. As geologists we can use the heritage as a key to unlock new discoveries worldwide. Our Committee believes that it is truly a case of the past being a key to our future!" Our History of Petroleum Geology Committee is of course in "our heritage program."

Gerald M. Friedman, Chair

Committee members: Gerald M. Friedman (chair), Daniel A. Busch, Robert N. Ginsburg, Michel T. Halbouty, Donald C. Haney, Robert D. Hatcher, Jr., Oliver T. Hayward, Arthur M. Van Tyne, Mario Wannier, Larry D. Woodfork, and Donald L. Ziegler.

International Regions

The mission of the International Regions Committee is to promote international participation in the AAPG by providing a forum for international members and affiliated societies to communicate with the Executive Committee; to provide support and counsel to AAPG committees and international regions and their associated service teams in aspects of international education, conferences, research, and membership; and to help identify candidates for AAPG awards and honors.

We restructured the Committee so that a vice chair would represent each region, and the various country-by-country contacts would coordinate with their respective vice chairs. The vice chairs are Nilo Azambuja (Latin America), David Roberts (Europe), Ibrahim Al-Ghamdi (Mid-East), Bayo Akinpelu (Africa), George Eynon (Canada), and Peter Lloyd (Asia/Pacific). In addition, Peter Kahn, U.S. based, is vice chair representing U.S.-based members of the Committee with special responsibility for the Web site. The idea of the

structure is to assure maximum communication of information and services to our members in each and every country across the world.

Annual Meeting, Houston, March 9, 2002

The annual meeting had 28–32 participants. This team voted unanimously to change the name of the committee to "International Regions Committee" with the following charter: The mission of the International Regions Committee is to promote international participation in the AAPG by providing a forum for international members, affiliated societies, and regions to communicate with the Executive Committee and AAPG headquarters; to provide support and counsel to AAPG committees and international regions and their associated service teams in aspects of international education, conferences, research, and membership; and to help identify candidates for AAPG awards and honors.

The "vision" for the committee was presented and discussed, and passed by unanimous vote. Here is that vision:

- We are a communications team, linking members with headquarters, various committees, and regional governance.
- Our goal is to advise regional membership about evolving AAPG services/initiatives, and provide feedback.
- Each region has a vice chair and a series of country-by-country contacts. The vice chairs pass info/data to the country contacts, who distribute to members in their countries. Feedback is collected, synthesized, and passed back.
- We tackle four "projects" per year; immersion.
- The U.S.-based "reach-out" volunteer team coordinates with headquarters; Peter Kahn is vice chair of this team.
- Key elements are that vice chairs hold their positions at the pleasure of the regional governance, and that the country-by-country contacts are selected by the regional vice chairs. The AAPG president formally invites all members onto the committee. Our process must be "open," and actions built on consensus.
- No current member is being asked to stand down, quite the contrary. We need the strong momentum we have built. Members who are U.S. based will form a "reach-out" team (under vice chair Peter Kahn).

Each region's vice chair reviewed progress in the last 12 months, and listed issues (Walter Gruen presented for Europe and Debbie Nishida for Canada). This was followed by an update of the Web site (Peter Kahn), a review of an earlier "barriers to membership" report by Chris

Heath, and presentation on possible fee structures by John Dolson. We were also pleased to have Robbie Gries and Rick Fritz address the team.

Following workshop sessions at the annual meeting, four initiatives were agreed for 2002–2003 (by unanimous vote), and a fifth passed to the Membership Committee. These are now all in progress:

- Communications (e-mail and Web site initiatives, to be led by Peter Kahn): communication/broadcast initiatives and services to members (including e-mail "advisories"); shared Web site with OID, which includes parallel design and development and joint coordination/planning meetings with headquarters
- Student chapters (to be led by Francois Gauthier): process to assure better tracking of student status; flyers/info sheets on chapters to be multilingual; clarification of a major international sponsorship initiative, which has been reported as in the works
- International field offices (Peter Lloyd and the vice chairs): regional administrative support model to relieve bottlenecks and miscommunications with headquarters; coordination centers for Distinguished Lecture tours, Education Department, and Student Chapter initiatives (among others)
- Sharing Distinguished Lectures between regions (led by Felipe Audemard, Brad Ritts, and Chris Heine): list of candidates (with screening process); lock Distinguished Lecture program more closely with Visiting Geologists initiative; early warning system: allow visiting AAPG notables to visit local societies and student chapters
- Membership issues (passed on to John Karlo, vice chair of the Membership Committee, International): number of sponsors needed; graduated fee scale based on local cost of living; online applications; payment in foreign currency

Peter Lloyd, Chair

Committee members: Samir Abdelmoaty, Mahmoud Abdul-Baqi, Dirceu Abrahao, Deborah Ajakaiye, Adebayo Akinpelu, Alastair Robertson, Ibrahim Al-Ghamdi, Abdulla Al-Naim, Marco Antonellini, Felipe Audemard, Nilo Filho, Eduardo Berendson, Charles Caughey, Michael Cochran, Carlos Dengo, Edward Dolly, John Dolson, Stephen Donyinah, George Eynon, Raymond Franssen, Ricardo Fuenzalida, Ned Gilbert, Walter Gruen, Alfredo Guzman, Antoinette Harvey, Christopher Heath, Christian Heine, Andrew Hurst, Haddou Jabour, David Jenkins, Peter Kahn, John Kaldi, George Kronman,

Henry Lieberman, Peter Lloyd, Maria Lorrente, Tim Marchant, Jean Mascle, Webster Mohriak, Susan Morrice, Raul Mosmann, Adel Moustafa, Ali M'rabet, Kazuo Nakayama, Dag Nummedal, Henry Pettin-gill, Francisco Porturas, Bradley Ritts, David Roberts, Satavisa Sarkar, Hans Schneider, Nahum Schneidemann, Robert Shoup, Matthew Silverman, Leta Smith, David Stoudt, Gabor Tari, Dirk van der Wel, Pinar Yilmaz, Mahmoud Zizi, and Andrew Zolnai.

Investments

The function of the Committee on Investments is to oversee the investment funds (Operating Fund) of the Association and its Divisions. The Committee also reviews operations of the members' Retirement and GeoVeſt Programs. The Committee sets investment policies, determines investment allocations, selects appropriate investment funds, and uses financial planning services to accomplish its plans and goals. The treasurer serves as an ex-officio member and no other member of the Executive Committee may serve on the Investments Committee.

The market value of the Operating Fund as of June 30, 2002, was \$11,353,735.99. Of that total, \$6,076,077.37 (53.5%) was invested in equity funds and \$5,273,415.02 (46.5%) was invested in fixed income funds. The fixed income portion is invested entirely in the Pimco Total Return Fund. The equities portion is invested in the Vanguard 500 Index Fund (57.7%), Morgan Stanley Institutional Growth Fund (14.1%), and American Aadvantage International Equity Fund (28.2%).

The Operating Fund was established in 1974 to provide the AAPG with financial resources to weather adverse periods in the industry. The Investments Committee oversees and is charged with the responsibility of prudent investment of the funds. The Executive Committee has sole discretion to utilize or dispose of the funds in the Operating Fund as circumstances may require. The Committee works closely with members of the AAPG Pension Fund Committee.

The Investments Committee held formal meetings in Tulsa on October 29, 2001, and May 6, 2002. Minutes from those meetings are posted to the Investment Committee's Web page at the AAPG Web site. In July 2001, the Investments Committee approved the selection

of funds for the recently approved AAPG sponsored investment program, GeoVeſt. The GeoVeſt 401(k) program is managed for the AAPG by Milliman USA and was formally presented to the AAPG membership in October 2001. At the October 29, 2001, meeting in Tulsa, the Investments Committee approved moving the equity portion of funds invested with Independence Investment Associates to the Vanguard 500 Index Fund Admiral Class. In February 2002, the Committee voted to end our business relationship with the Marquette Alliance for investment direction and begin the search for a new certified financial advisor.

At the May 6, 2002, meeting in Tulsa the Investments Committee hosted presentations by two potential financial advisor replacements. Final selection of the replacement is awaiting formal approval by the AAPG Foundation. We anticipate that the new financial advisor will provide financial direction to the Investments Committee, Pension Committee, and AAPG Foundation.

F. Pierce Pratt, Chair

Committee Members: George Bole, John Brock, Byron Dyer, Terry Hollrah (vice chair), Dick Howell, Terry O'Hare, Jim McGhay, Mike Party, Ed Picou (Executive Committee liaison).

Membership

The function of the Committee on Membership is to facilitate membership in the Association by encouraging and reviewing applications, and subsequently recommending action. The Committee also monitors membership requirements and recommends changes in qualifications and classes of membership.

The final membership numbers for the 2001–2002 year are in; we finished up 338 members from the previous year with a total membership of 29,405. That means that for two of the past five years, we've had an increase in membership. However, this trend is a better one than the 13 consecutive years of decline that marked the period after our 1985 peak of 45,577 members. Nevertheless, the overall trend of the past decade is one of settling into a plateau just below 30,000 members (see the nearby table and chart).

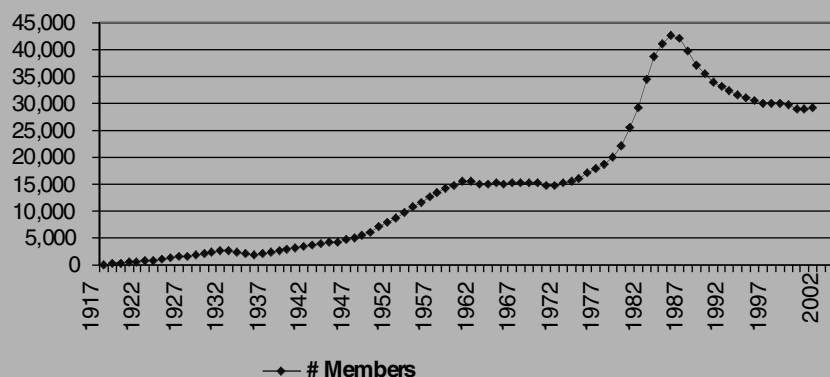
Once again, as the membership numbers are studied in detail, there are good

Table 1. Membership by Year

Year	Members	Year	Members
1917	94	1960	15,420
1918	176	1961	15,566
1919	348	1962	15,043
1920	542	1963	14,931
1921	621	1964	15,202
1922	767	1965	15,126
1923	901	1966	15,346
1924	1,080	1967	15,205
1925	1,253	1968	15,163
1926	1,504	1969	15,189
1927	1,670	1970	14,794
1928	1,952	1971	14,860
1929	2,126	1972	15,332
1930	2,292	1973	15,654
1931	2,562	1974	16,148
1932	2,558	1975	17,083
1933	2,336	1976	18,026
1934	2,043	1977	18,787
1935	1,973	1978	20,106
1936	2,169	1979	22,144
1937	2,331	1980	25,414
1938	2,646	1981	29,259
1939	2,951	1982	34,449
1940	3,240	1983	38,733
1941	3,474	1984	41,034
1942	3,717	1985	42,577
1943	3,923	1986	42,232
1944	4,109	1987	39,824
1945	4,326	1988	37,183
1946	4,676	1989	35,564
1947	5,039	1990	34,038
1948	5,530	1991	33,115
1949	6,160	1992	32,448
1950	7,052	1993	31,619
1951	7,892	1994	31,030
1952	8,804	1995	30,433
1953	9,778	1996	29,947
1954	10,759	1997	29,904
1955	11,673	1998	29,971
1956	12,535	1999	29,852
1957	13,434	2000	29,013
1958	14,207	2001	29,067
1959	14,832	2002	29,405

and bad trends to be found. The good trends include that (1) we are growing international memberships at a strong rate with most recent months showing about 50% of our new members to be international ones and (2) the Student membership numbers are up about 10% on a year-to-year basis as are our Associate (<4 years) memberships; both of which suggest we are bringing in younger membership. Counteracting these good trends is that our drops for nonpayments increased this year to 2300 (up 15% on a year-to-year basis). The drop represents about 8% of our total membership, which means that to increase our membership this year, we had to actually add more than 8% new members. That's a tough thing to do on a regular basis.

AAPG MEMBERSHIP 1917 to Present



If we look closer at our drops, they appear to be made up of about one-third Active members, half Associate members (formerly Junior members), and 17% Student members. This suggests that our Achilles heel may be retaining younger members (Associate and Student) as they move from graduate school into their first few years in the industry. This is further supported by the fact that total Active members continue to decrease on a year-to-year basis. We're just not moving the younger members into Active status fast enough. Perhaps if we did, more would stay with AAPG.

So what are we going to do about it? We have two major efforts coming forward in the next year. President Robbie Gries has already mentioned one in her columns: a new corporate underwriting of Student memberships by a major industry supporter. The exact details have not been finalized, but it appears that many students will have their AAPG dues paid through a major corporate donation. This should allow many more students, both international and domestic, to enjoy AAPG benefits and support. The other major effort is that AAPG will initiate a major membership drive. Rick Fritz has discussed this on numerous occasions, most recently at the House of Delegates meeting in Houston. Significant awards will be offered to those who recruit new AAPG members. Look for more details in the coming months.

Both of these efforts will help recruit new members, but we still need to work on retaining them, a problem that seemingly defies solution. Our efforts to market AAPG as a "partner for life" need to continue to improve so as to make being a member, along with relatively low dues,

to be such a good value that fewer members drop out. New services, such as providing digital access to all of AAPG's past publications to the membership should help that effort. Our Committee and our Association need to continue to work hard to make these, and other benefits of membership, known to the average member. President Robbie Gries' effort this last year to visit local societies, both international and domestic, to spread the word of AAPG benefits was an earnest start and needs to continue so that we encourage "at risk" members to retain their memberships. The benefits of AAPG membership, especially the networking, are just too great to give up, even during periods of unemployment or underemployment.

The Membership Committee continues to evolve. We've rotated on several new members including Don Rusk as the European Region representative and F. Hasan Sidi as the Asia-Pacific Region representative. We have also added a new subcommittee on diversity, which is an outgrowth of a panel discussion at the AAPG Leadership Days this last January. Gonzalo Enciso has agreed to head up this subcommittee, and he is currently recruiting members to join his effort to encourage greater participation in AAPG by traditionally underrepresented groups. We are also currently investigating ways to assist the membership drive efforts that will be forthcoming this year, including possibly creating a subcommittee to direct support.

In closing, I'd like to thank all the current members who have served so effectively on the Membership Committee. Thanks also to Vicki Beighle, and to all of the other AAPG staff, for their tireless ef-

forts and support. Special thanks are extended to Executive Director Rick Fritz and President Robbie Gries, who have identified membership as one of the society's key issues and who have tirelessly worked to bring everyone's focus to the topic and to recruit members at every possible opportunity.

Robert L. Countryman, Chair

Membership Committee leadership: Bob Countryman (chair), Jane McColloch (domestic vice chair), John Karlo (international vice chair). Academia liaisons: Chris Heath and John Wickham. International Region leaders: Kunle Adesida (Africa), Eduardo Berendson (Latin America), Chris Heath (Canada), Christian Heine (Middle East), Don Rusk (Europe), and F. Hasan Sidi (Asia-Pacific). Sectional leaders: Joan Barminski (Pacific), Martha Lou Broussard (Gulf Coast), Bob Cowdery (Mid-Continent), Jim Hanlon (Eastern), Valary Schulz (Southwest), and Steve Sonnenberg (Rocky Mt.).

Committee members: Adekunle Adesida, Wayne Ahr, Joan Barminski, Donald Benson, Eduardo Berendson, Michael Brannock, Martha Lou Broussard, Amy Burke, Wayne Canis, Walter Coppinger, Robert Countryman, Robert Cowdery, Rebecca Dodge, Brooks Ellwood, James Evans, Bruce Falkenstein, William Fisher, Patrick Gordon, Peter Gray, James Hanlon, David Harris, William Harrison, Christopher Heath, Christian Heine, John Karlo, David King Jr., Gary Kinsland, Barry Kohl, Brian Lock, Jane McColloch, Russell Nielson, Edward Picou Jr., David Pope, Anthony Randazzo, John Rupp, Donald Rusk, Valary Schulz, Robert Smith, Stephen Sonnenberg, Richard Swindell, Peter Vail, John Wickham, and Sherwood Wise Jr.

Mentoring

The AAPG Mentoring program is designed to provide advice, support, and encouragement from experienced senior geologists to student, inexperienced, and/or underemployed geologists.

- The Committee's goals are to
- Expose students to the science of petroleum geology and related fields
 - Provide students with information on professional opportunities in petroleum geology and related fields

- Give students and young geologists an opportunity to interact with practicing experienced geologists and assist them in preparing for their careers

The Committee's biggest challenge has been to find willing mentors for the many students requesting one. Currently, when a request for a mentor is received, one member of the committee will seek to find an AAPG member living in the same general area as the student. Many times, the request for mentor candidates goes unanswered for many months. In examining the problem, it is felt that the Committee needed broader representation throughout the country, so that we can be more effective in soliciting mentors.

In an effort to address this problem, the Mentoring Committee was reorganized at the AAPG Annual Meeting in Houston. The committee formed a number of sections across the country, with each section expected to put together a team of members throughout that section to facilitate pairing mentors with protégés. Ideally we would like one or more representatives from each state who would be willing to serve on the Committee.

We also concluded that the committee would be more involved with group mentoring through various workshops and with mentor training. Deborah Sacrey was named as vice chair for Group Mentoring and Mentor Training.

Bob Shoup, Chair

Committee members: John Adamick, Katharine Avary, Martha Lou Broussard, Marvin Carlson, Edward Clifton, Robert Cowdery, Willard Green, Robbie Gries, Christopher Heath, Sandra Mark, Jane McColloch, Edward Picou Jr., Edward Roy Jr., Deborah Sacrey, Robert Shoup, Stephen Sonnenberg, and Charles Sternbach.

Preservation of Samples and Cores

The mission of the AAPG Committee on Preservation of Samples and Cores is to promote collection, preservation, and utilization of samples and cores as well as those data directly attributable to this rock material to include core analysis, sample descriptions, and stratigraphic assignment. Specifically inclusive would be photographs, petrographic data and descriptions, photomicrographs, porosity, permeability and other rock data, all of

which could be digitized and stored in compact storage facilities. A priority is placed on identifying established repositories and constructing automated linkages between potential users and the data listings of these archives. The committee will encourage and support both the AAPG membership and any other individual or appropriate organizations in accomplishing this mission.

As companies merge, focus their exploration and production activities in new regions, or go out of business, core and other subsurface data may be forgotten or even sent to landfills. This material has future value for environmental studies, earthquake and other hazard mitigation, as well as petroleum exploration and production, and much of this material cannot be replaced. At the same time, public repositories are struggling with lack of space for incoming donations and tight finances. The committee this year focused on (1) continuing to educate AAPG members of the importance of core and sample preservation, (2) supporting a National Research Council study of options for long-term archival of these data, and (3) supporting access to subsurface cores and data at public repositories.

National Research Council Study on the Preservation of Geoscience Data and Collections

The National Research Council (NRC) Board on Earth Sciences and Resources released the report of their study, "Geoscience Collections and Data: National Resources in Peril," in April 2002. The AAPG and AAPG Foundation each contributed \$5000 to this study. The report documents the value of geoscience data for assessment and management of natural resources, geologic hazards assessment, and mitigation and understanding of the history of earth and life. The NRC further documents that these data are at risk and recommends steps to assure preservation of critical geoscience data.

The NRC identified these challenges to data and collections preservation:

- A huge volume of data—at least 8 million boxes core and 123 million fossils
- Existing repositories with little space for additional material—two-thirds of state geologic survey repositories have less than 10% space available
- Company mergers and/or changing interests of some companies
- Loss of knowledge because of retirements or departure of staff knowledgeable about collections

The NRC recommended the following actions:

- Prioritize data for preservation (emphasizing well documented and difficult or impossible to replace material).

- Systematically catalog existing collections and data. Funding for these efforts should be provided on a competitive basis.
- Establish a distributed network of at least three new or expanded regional repositories, by competitive support managed by National Science Foundation.
- Increase preservation and access to Federal collections and data by improved interagency coordination to catalog and preserve collections and data.
- Establish federal, state, and/or regional incentives and requirements for donations and deposition of data and collections.
- Adopt standards for citation in scientific and other publications of geoscience data and collections used.
- Establish advisory committees composed of the user communities to oversee above actions.

The NRC estimates that implementing its recommendations would cost \$5–\$10 million per year to catalog 5 to 10 institutions per year, and \$35–\$50 million to establish and \$3–\$5 million per year to operate each of three regional repositories. Total cost would be \$129–\$180 million.

Information at AAPG Meetings

A table display highlighting the importance of core preservation to the work of geologists and providing a brochure on the location and Web sites of public repositories continues to be shown at AAPG section meetings. The Committee's poster and brochures attracted significant attention at a recent Society of Petroleum Engineers (SPE) section meeting. The Committee plans to take its message to additional SPE meetings.

March 2002 Committee Meeting at AAPG National Convention, Houston

Chris Maples, chair of the National Research Council (NRC) Committee, reported on the progress of the almost-completed study on Preservation of Geoscience Data and Collections. Members of this Committee expressed strong interest in assuring that the NRC report is adequately communicated to policy makers in government and industry. Bob Sneider, an AAPG member and member of the NRC committee, has offered to brief Washington D.C. policy makers when the report is released.

The American Geological Institute (AGI) reported on a number of activities relative to core preservation:

- March 5–7 meeting of the International National Data Repository Group in Norway; AGI has offered to host the next meeting in Washington D.C. in 2003.

- The AGI resurvey of U.S. Geoscience Data Repositories should be completed by the end of April. Committee members are interested in involving members of the AAPG Affiliated Societies in validating and expanding this survey.
- AGI reported that it has completed transcribing 900 miles of Santa Barbara channel seismic data from 20,000 paper analog tapes to DLT tapes. The DLT tapes are currently housed at the Texas Bureau of Economic Geology. Discussions between state surveys of Oklahoma and Texas are proceeding in an effort to transfer BP-Amoco cores and facilities to the states. Scott Tinker, director of the Texas Bureau of Economic Geology, reported that he is optimistic that the BP-Amoco Houston facility will be transferred to the Bureau (Note: The Bureau formally accepted the facility in May.) The Bureau still has to raise additional money to assure the facility is self-sustaining. Discussions between BP-Amoco and University of Oklahoma are in progress.

Proposed Actions in Response to the NRC Report

- Discussions at recent meetings regarding the NRC report have generated possible actions that the AAPG could take to enhance core preservation. The Committee may consider the following items for action in the 2002–2003 fiscal year:
- Articles in *Geotimes* (June 2002) and the *AAPG Explorer* (planned)
 - Panel session on “Core Repositories—Recent Studies, Status and Future Trends” at the 2002 Annual Meeting of the Association of American State Geologists in June (Edie Allison will represent AAPG.)
 - Workshop, including all stakeholders, on next steps to respond to the report, hosted by AAPG and AGI
 - Initiation by Bob Sneider of one-on-one meetings with technology vice presidents of major and large independent oil companies on the core preservation report
 - Distinguished lecture on core preservation
 - Archie Conference and post-conference Archie publication on core analysis methodology and case studies
 - Establishment of an AAPG award and other forms of recognition for outstanding contributors to the preservation and accessibility of geoscience data and collections (a recommendation of the NRC to all geoscience organizations and professional societies.)
 - Participation in development of standards for citation in scientific and other publications of geoscience data and collections used

- Provision of expertise to external science-advisory boards to advise Federal agencies and regional repositories on

Interaction with AAPG Affiliated Societies

Committee members are interested in increasing communication with AAPG Affiliated Societies. The Societies represent many AAPG members and nonmembers that are probably not aware of our Committee’s efforts. Potential topics: solicit input to this Committee’s core preservation efforts, increase member awareness of public repositories, encourage local efforts to use and fund local repositories, and communicate the NRC report and AGI repositories survey. Marvin Carlson will lead this activity.

Committee members that would like support for local data preservation issues, are encouraged to set up subcommittees and report back to this Committee on how we can assist with Denver core issues.

AAPG 2003, Salt Lake City Core-Poster Session

The AAPG 2003 Annual Meeting in Denver will include a core-poster session titled “Reservoirs in Core, Words, and Pictures.” Steve Goolsby and Edie Allison will co-chair the session.

It has been a great pleasure to serve as chair of this committee for the last three years. The enthusiasm and support of Committee members and the AAPG officers have made the effort rewarding. I have recommended that incoming AAPG President Daniel Smith appoint Marvin Carlson to be the new Committee chair. Marvin has served the Committee admirably as vice chair for the last three years.

Edith C. Allison, Chair

Committee members: Marvin Carlson, Tim Carr, William Gans, John C. Horne, Bob Horton, Robert Hulse, Richard F. In-den, Anthony Kolodziej, Julie Ann Le Fever, Robert Lindsay, Ernest Mancini, Bill Meaney, Carol Martiniuk, Kitty Miliken, Douglas Patchen, Stephen A. Sonnenberg, Bruce Swartz, Stephen Weeks, and Sherilyn Williams-Stroud.

Publication Pipeline (ad hoc)

The Publication Pipeline Committee’s mission is to collect geoscience books and journals from those who no longer need them and then to forward these re-

sources to overseas universities and libraries. We execute our mission by collecting most of the material from retired and deceased geoscientists and also downsized company libraries. We inventory, box, and store the books and journals for shipment until a need for them is identified. Then through the assistance of companies with overseas operations, we send them to overseas universities and other libraries that require these valuable resources.

The Publication Pipeline Committee’s mission is to collect geoscience books and journals from those who no longer wish them, especially retired and deceased geoscientists. We are to inventory, box, and store them, and, with the help of companies with overseas operations, send them to university and other libraries overseas who need them.

This effort started in Houston, Texas, as a collaboration of interested geologists and geophysicists and the University of Houston to make use of the flood of geoscience publications resulting from the down sizing of the petroleum industry. Libraries in the United States have filled out their collections and many of the donations they received went into the trash, if they were accepted at all. Yet many libraries overseas suffer from a lack of books and journals. Lack of funds, disasters, and war have reduced their collections.

Although publications are heavy and expensive to ship, when properly boxed and wrapped on pallets they can be added to lift vans for little incremental cost. Major companies carrying goods overseas can include them in shipments. The benefits to the companies are improved relations with the host country and positive contact with local academic community.

In the summer of 2001 our first overseas shipment was 5000 pounds of books and journals to Nigeria shipped by Conoco and distributed to universities by the Nigerian Association of Petroleum Explorationists.

Other groups have made similar efforts to ours and we realized the need to join together under the sponsorship of the AAPG.

Robbie Gries, president of AAPG, arranged that we become an ad hoc committee of the AAPG and be associated with the AAPG Foundation in whose name we accept donations. Additional committee members were recruited and our efforts were expanded.

George Klein of our committee has published articles in the *AAPG Explorer* and the *GSA News* about the pipeline,

and this has resulted in 28 donations of books and periodicals to date with more offers weekly. Donations have been received from libraries, including 100 boxes of journals from the University of Houston and continuing donations from the geological library of the University of Oklahoma.

The Geoscience Department of the University of Houston continues to be a receiving station for shipments of donations. There they are inventoried and then moved to two rented storage units in Humble, Texas to await shipment overseas.

We have a continuing need to add Committee members to help in collecting, inventorying, and preparing shipments for overseas, and to handle increasing paper work.

Oil, and other international companies, are particularly needed to join in shipping books overseas. The books and journals are very much appreciated by the receiving organizations, and great credit reflects upon those who participate in such visible and concrete aid to the improvement of education.

We have requests for aid from many countries, including Indonesia, Afghanistan, East Timor, Pakistan, and eastern European and West African countries. We have yet to survey South American universities to determine their needs.

In 2002–2003 we will further develop contacts with companies to ship books and journals overseas, work with other geoscience organizations to join our efforts, expand the Committee to include more members, develop collection points across the United States and Canada, improve finances in order to pay for shipping within the United States, and work with AAPG overseas members and organizations to facilitate distribution to libraries in need.

Martin M. Cassidy, Chair

Committee members: Adekunle Adesida, Deborah Ajakaiye, David Angstadt, Kevin Burke, Martin Cassidy, John Dudar, Joseph Forrest Jr., Claren Kidd, George Klein, Thomas Klopff, Eric Michaelis, Nahum Schneidermann, Charlotte Sullivan, Donald Van Nieuwenhuise, Frederick Wall, and Pinar Yilmaz.

Publications

The function of the Committee on Publications is to assist the Association's

elected editor by identifying, recommending, and procuring outstanding papers for publication in AAPG's special publications and in the Bulletin.

The Publications Committee continued its traditional role of seeking and screening proposals for AAPG's special publications series during the past fiscal year. When a proposal is received at Headquarters, it is logged in and an appropriate review process devised. Usually a member of the Committee in a field close to the proposal was asked to husband the proposal through a review process after which a recommendation was made to the Committee chair, the elected editor, and the publications manager for a response to the author/editors. Not everyone on the Committee was called upon to contribute in this way, but I'd like to thank those whom we did have occasion to call upon to help in the process.

Between July 1, 2001 and June 30, 2002 (the period covered by this report) the Committee generally carried between 8 and 15 proposals under review at any one time. The turnaround time on proposals ranged widely depending on a number of factors. Delays typically stem from the maturity of preparation of the proposal itself, whether releases were involved in the material, the time-lag involved in peer review, whether or not a sister society might be involved, and slow commitments from the component authors of multiauthored volumes. Generally we tried to turn the proposal around within four to five months but some proposals took considerably longer, in some cases more than a year. This is an issue the Committee would like to improve in future, but it is a tough and common issue in scientific publication.

At any one time there have been 35 to 40 projects approved and in the hands of their author/editors. When the manuscripts are ready to go, they are submitted to Headquarters staff for final preparation and publication. Since June 2001, five new titles have cleared all the hurdles and been issued, in addition to several reprints of popular ones. Sales started out the year sluggishly, but online sales and a strong showing at the Houston annual meeting have nearly caught the Publications Department up to its target for the year.

There have been some special projects in recent years. The "Compendium Series," a project to produce short synopses of various exploration and production topics as primers for management and brush-ups for technical personnel, finished 2001 as a more or less dormant

project. Few of the 36 original topics made any progress, and only one of the items in the series even approached completion. As there was no model or precedent for the appearance and level of technicality of the individual issues, it seemed too hard to get the project rolling. New leadership at Headquarters has some energy to renew attempts to put this project on track, however, and we expect that there may be more success with it this next year.

Publications for a popular audience developed as an important special project in 2002. Broadening the inventory of offerings had for some time been an issue for the Committee, as a possible way to boost sales and thus help the bottom line for Publications. AAPG does try to at least break even in bringing books and similar media to market; as one might imagine, with very few advance purchases book production is a considerably different proposition from the *Bulletin* in that sales must be factored into decisions on format, press-runs, etc., before the project is undertaken. Other societies have pursued the popular market as a mechanism to "carry" the more technical and therefore narrowly targeted publications. Past President Robbie Gries, who has had much interest in and encouragement of the Publications program, made popular publications a central issue at the annual Leadership Meeting in January. A breakout group led by Steve Sonnenberg and myself considered several issues such as potential formats with different missions, notional titles, and approaches/problems. Not the least of the issues was the requirement that AAPG break out of its traditional marketing circle without going into competition with the big publishing houses. Some changes in Headquarters and the establishment of an AAPG representative in Houston with a publications promotion portfolio bode well for the growth of the marketing aspects of AAPG in general and publications in particular. We are planning to try to develop a popular publications series, with the beginning a subcommittee on the topic and a revision of the highway maps for a popular audience as a start.

The changes in Headquarters, which I mentioned previously, include streamlining geoscience along a production-marketing-service alignment under the new science director Jack Thomas. This should result in better collaboration between education and publications. A GIS-structured archive of exploration and production material is one other new undertaking at Headquarters that was described at the annual Publications Committee meeting in Houston by Rick Fritz. This should

become a valuable supplement to the standard publications series to members.

Approaches if not final solutions to the electronic and digital publication issues that have so prominently figured in Committee activities over the last few years crystallized during 2001 and 2002. We routinely publish material in CD format, either as stand-alone offerings or as supplementary data to hardcopy format. As you all know, Datapages has been repurchased and put online, and in mid 2002 will become a free benefit to the membership. The full line of legacy publications, the "aggregate" of *Bulletin* and special publications, will be available. The "aggregate" of legacy publications has become an increasingly important objective of all the geoscience societies. How to do it, and whether to do it interactively and cooperatively will be a major geoscience issue in the future.

Search & Discovery has developed nicely into AAPG's online magazine, which republishes interesting and timely papers, poster sessions from the meetings, released company reports, and original contributions. It has an editorial board, and I think will become an increasingly important medium for the membership as time passes. Check it out; there is something for everyone there.

Finally, I'd like to thank all the folks with whom I have worked over the last three years as the Publications chair. As my term of office is over as of June 30, 2002, I now turn it over to Gretchen Gillis, editor of Schlumberger's *Oilfield Review*, in whose capable hands the Publications program should grow and hopefully also prosper.

James W. Granath, Chair

Committee members: Paul Catacosinos, Timothy Coburn, John Cubitt, William Demis, John Doveton, Melville Erskine Jr., Gretchen Gillis, James Granath, Carolyn Green, Cassandra Hall, James Handsch, Neil Hurley, Barry Katz, Mark Longman, Robert LoPiccolo, John Lorenz, Kenneth McClay, Eric Mountjoy, Terrilyn Olson, Douglas Peters, John Shelton, Raymond Sorenson, Denise Stone, Michael Sweet, Anthony Tankard, Stephen Testa, Laird Thompson, Jeffrey Yarus, and Pinar Yilmaz.

Public Outreach

The function of the Committee on Public Outreach is to develop for AAPG members means of informing the public

about geology in general and specifically the geology of petroleum and energy minerals, the industry that finds, develops, and provides energy to the public, and the true environmental impacts of meeting the public's energy needs.

The Committee met on Monday, March 11, 2002, in Houston, Texas. Rich Green, vice chairman, and Larry Nation, AAPG liaison, led the meeting. The committee reviewed the Leadership Days (January 12, 2002) Mini-summit briefing paper and results and discussed carrying out the recommended activities.

Briefing Paper

Recommendations of the AAPG Summit on Committees:

- Take on a more proactive role.
 - Change the Committee name from Public Information to Public Outreach.
 - Broaden the Committee role via the mission statement.
 - Broaden the Committee's background and audience through increased membership.
 - Address principal audiences of the general public and decision-makers through (1) innovative media advertising, (2) evaluating and promoting positive television and radio shows, (3) sharing goals and activities on the Web pages, (4) coordinating with sister societies, (5) capitalizing on Earth Science Week, (6) supplying information for energy forums, public meetings, and legislative hearings, in coordination with the DPA Government Affairs Committee, and (7) producing data packets on basic geologic questions and issues for members.
 - Establish our audience: our ultimate audiences are the public and decision-makers; our immediate audience is the AAPG members who will carry the message. News media are an effective and necessary means to our ultimate audiences.
 - Prioritize issues: concentrate first on those petroleum geology and energy industry issues affecting public policy but with a focus on the general public.
 - Establish goals to meet needs: (1) mobilize and train AAPG members to be effective spokespersons, (2) prepare and make available aids to members for presentations, (3) translate complex technical issues in materials for general audiences, (4) get information to the public, particularly K-12 audiences.
 - Strategies to achieve goals: (1) enlist and empower AAPG members to become activists, (2) use the *AAPG Explorer*, Web site, annual and section meetings, workshops, committees, affiliated societies, etc. to enlist members into action, (3) provide members with tools, information, and support infrastructure to be effective, (4) partner with existing AAPG activities, committees, and programs, (5) expand the AAPG staff support, (6) partner with successful projects started by other professional societies and groups.
- Determine next steps: (1) expand the Committee to a larger core of active members, (2) host a PowerPoint slide catalog on the AAPG Web site to make it easier for AAPG members to make presentations on key issues, (3) sponsor training sessions at AAPG meetings on how to create PowerPoint talks using online materials, (4) prepare a white paper on the Committee's goals and projects, (5) co-sponsor an informational booth with the Government Affairs Committee, the American Institute of Professional Geologists (AIPG), and the Association of American State Geologists (AASG) at the annual meeting of the National Conference of State Legislators (NCSL) in August 2002, (6) identify programs in other societies with which to partner and pursue.
 - Media training and contacts: (1) American Geophysical Union, "You and the media—a researcher's guide for dealing successfully with the news media" (www.agu.org/sci_soc/media.html), (2) Sigma Xi, Scientific Research Society, "MediaResource" (free referral service for journalists at www.mediaresource.org), and (3) National Association of Science Writers, "Communicating science news," (<http://nasw.org/csn>).
 - Public outreach: (1) American Geological Institute Earth Science Week (www.earthscienceworld.org/week/), (2) GSA Committee on Geology and Public Policy (www.geosociety.org), (3) American Geophysical Union committed \$330,000 toward production of 100 television segments for *Discoveries and Breakthroughs Inside Science* and is soliciting funds for the "Unlock the Future Fund Drive" to help perpetuate programs that broaden public understanding of scientific research, (4) Earth & Sky/NASA Radio Fellowship site (www.earthsky.com/Help/site-map.html), (5) Sigma Xi "In the News" listserv features the top science and technology stories of each day as reported by major media outlets (www.sigmaxi.org) Sigma Xi members only, (6) Elf Total public education Web site (www.elf.fr/odyssee/us/index.htm), animation and graphics to explain the nature of geology and the petroleum business.
 - Legislative outreach: (1) AAPG-DPA-Government Affairs Committee position

papers, (2) American Geological Institute Government Affairs Program (AAPG is the largest contributor to the funding of this program) (www.agiweb.org/gap/gaphome.html), (3) American Institute of Professional Geologists/Association of American State Geologists information booth at the National Conference of State Legislators annual meeting (www.stategeologists.org, www.aipg.org/ScriptContent/Index.cfm), (4) Research America Advocacy Activities (www.researchamerica.org)

- Education outreach: (1) AAPG Visiting Petroleum Geologist program (1500 visits per year), (2) Public Outreach Working Group (Association for Women Geoscientists, American Institute of Professional Geologists, Mineralogical Society of America, National Ground Water Association, and Geological Society of America)

Results of AAPG Leadership Days Mini-summit

- Goals: (1) expand the mission statement, (2) create a cadre, (3) train and mobilize, (4) create and assemble a tool set, (5) translate complex information.
- Next steps: (1) expand the Public Outreach Committee (reach out to affiliated societies, sections, divisions, other committees; set up subcommittees for each area), (2) develop a cadre (open to all but target individuals; establish accountability; identify people, recruiting procedure, and method to report activities and effectiveness), (3) develop a long-term plan; establish costs, priorities, performance measures), (4) expand the PowerPoint slide bank to include three additional topics: global climate change, supply security, gasoline price factors, (5) cooperate with AAPG committees and sister societies (appoint liaison members from other committees, coordinate with public outreach activities with sister societies, share staffing of exhibit booths), (6) facilitate Speaker Bureau expansion (encourage emulation of the Kansas, Houston, and Denver speaker bureaus), (7) arrange training for media workshop for Leadership Days
- Activities: (1) The Committee is cooperating with the AAPG Government Affairs Committee in co-sponsoring an informational exhibit with the American Institute of Professional Geologists (AIPG) and Association of American State Geologists (AASG) at the annual meeting of the National Conference of State Legislators (NCSL) in Denver, July 25–27, 2002. (2) The Committee es-

tablished a PowerPoint slide bank on the AAPG Web site through the efforts of AAPG Communications Director Larry Nation and Webmaster Janet Brister. The first set of 139 slides, prepared by Mobil on the nature of the petroleum industry and career opportunities, was donated by John Armentrout and is posted at www.aapg.org/slide_bank/. A second set on the future need for petroleum geoscientists by Don Lewis includes 28 slides. The intent is to make high-quality slides readily accessible to AAPG members for use in talks to local groups. Reports have already come in of numerous members and nonmembers (especially teachers) using the slides for presentations.

Lee Allison, Chair

Committee members: Paul E. Belanger, C. Elmo Brown II, Elizabeth B. Campen, Donald D. Clarke, Vicki Cowart (observer), Robert Cowdery, Denise M. Cox, Richard G. Green, Margaret Kloska, Lowell K. Lischer, Christopher Martin, Thomas R. Moore, Larry Nation (AAPG liaison), Terrilyn M. Olsen, Phil Ryall, William Sarni, Maureen Wan, James V. White, and Lawrence H. Wickstrom.

Research

The function of the Committee on Research is to monitor activities in geoscience research that relate to the exploration and production of petroleum and other energy minerals; to promote the interchange of research ideas through conferences and symposia; to assist other AAPG committees with matters pertaining to research activities; and to initiate, sponsor, and/or cooperate with organizations in gathering data and preparing reports on subjects of high interest to geoscientists.

The Committee consists of two subcommittees (Hedberg Conference and Academic Geoscience Survey) and three research groups (Reservoir Deformation, Unconventional Resources, and Geofluids).

Among the most important activities of the Research Committee is development and sponsorship of AAPG's Hedberg Conferences and Research Symposia. Hedberg Conferences held since the last report include "Deep-Water Sandstones, Karoo Basin Field Conference," held in

South Africa, April 22–28, 2001; "Sequence Stratigraphic and Allostratigraphic Principles and Concepts," held in Dallas, Texas, August 26–30, 2001 (co-sponsored by the North American Commission on Stratigraphic Nomenclature and International Subcommittee on Stratigraphic Classification); "New Play Concepts and New Technologies Applied in Foreland and Rift Basins in Latin America," held in Mendoza, Argentina, November 4–9, 2001; and "Near-Surface Hydrocarbon Mechanisms and Seepage Rates," held in Vancouver, Canada, April 7–10, 2002.

Hedberg Conferences currently planned at the time of the preparation of this report are "Foreland Fold and Thrust Belts," to be held in Sicily, Italy, May 14–18, 2002; "The Greater Ancestral Rocky Mountains," to be held in Vail, Colorado, July 21–26, 2002; "Hydrocarbon Habitat of Volcanic Rifted Passive Margins," to be held in Stavanger, Norway, September 8–11, 2002; "Evaluating the Hydrocarbon Sealing Potential of Faults and Caprocks (Seals Down Under)," to be held in Adelaide, Australia, December 2–5, 2002; and "Petroleum Systems of Saharan Paleozoic and Triassic Basins," to be held in Algiers, Algeria.

Hedberg Conferences currently approved at the time of the preparation of this report are "Fundamental Advances and New Applications from a Holistic View of Mechanical and Chemical Processes," planned for Austin, Texas, 2003; "Carbonate Reservoir Characterization and Simulation: From Facies to Flow Units," planned for El Paso, Texas, 2003; and "Origin of Petroleum—Biogenic and/or Abiogenic and Its Significance in Hydrocarbon Exploration and Production," planned for London, England, 2003.

At its annual meeting, the Research Committee approved an expanded membership of the Hedberg Conference Subcommittee. Paul Catacosinos will continue to serve as chair of the Subcommittee. Approval of a proposal for a Hedberg Conference will be by the simple majority of those Committee members voting in the review of a given proposal.

The Research Committee also approved new evaluation criteria for the consideration of approval of proposals for Hedberg Conferences. The major criterion is the technical merit of the proposal. Other criteria in the consideration of a proposal are the location of the conference, the number of expected conference participants, and other business-related items provided to the Committee by AAPG.

The Research Committee further approved that conveners of a Hedberg Con-

ference must state in the proposal that a summary of the conference will be provided to the editor of *AAPG Bulletin* within 60 days of the conclusion of the conference with a copy to the Education Department for information dissemination, that the abstracts of the conference will be posted 30 days after the conference on the Research Committee Web site with presenters having the right not to have their abstract included but must make such a declaration in writing to the conveners and with presenters having up to 30 days after the conclusion of the conference to modify their original abstract prior to inclusion on the Web site, and that the conveners should consider preparing a proposal to the Publications Department to publish the conference proceedings as an AAPG publication. Publication of the proceedings is not guaranteed.

Proposal guidelines and requirements for Hedberg Conferences will be posted on the Research Committee Web site. The Web site design and organization are under Steve Laubach, Committee vice chair.

The Research Committee chartered three research groups in 1997. The charters for two of the original groups, the Reservoir Deformation and the Unconventional Resources groups, were renewed in 2000. These two groups held successful meetings at the Denver 2001 and Houston 2002 Annual Meetings. A third research group, Geofluids, was chartered in 2000 and was scheduled to meet at the Denver 2001 Annual Meeting. The Geofluids Group did not achieve expected levels of participation, and therefore, the Research Committee elected to discontinue the charter of this group. The goal of the Research Committee is to expand the number of research groups to five, and Committee members are encouraged to initiate plans for this expansion.

At the Denver 2001 Annual Meeting, the Research Committee approved the organization of a symposium sponsored by the Committee at the Houston 2002 Annual Meeting. Dave Weinberg and Wolfgang Schollnberger organized the successful Theme Session "The Future of Petroleum R&D." The Salt Lake 2003 Annual Meeting will include the Theme Session (Hedberg) "Near-Surface Hydrocarbon Migration: Mechanisms and Seepage Rates."

The Research Committee is also responsible for reporting on the results of the Academic Geoscience Survey. At the time of the preparation of this report, the current survey was being conducted under the direction of Barry Katz, chair of

the Academic Geoscience Survey Subcommittee.

Based on requests from the Executive Committee and the results of the Leadership and Education conferences, the chair of the Research Committee conducted a survey of the membership, including discipline, affiliation, home office, work area, and experience. The survey showed that the composition of the Committee is balanced with respect to affiliation (industry, academics, government) and geographic representation and that the committee would benefit by adding students and members with 5–10 years of experience with expertise in petroleum engineering, geophysics, and environmental science. The Committee agreed to make a concerted effort to seek such candidates for membership to the committee.

Ernest A. Mancini, Chair

Committee members: Michael Abrams, Robert C. Burruss, Angel Francisco Callejon, Paul A. Catacosinos (Hedberg Conference Subcommittee chair), Jean-Yves D. Chatellier, John B. Curtis, Barry J. Katz (Academic Geoscience Survey Subcommittee chair), Stephen E. Laubach (Committee vice chair), Benny E. Law, Susan Longacre, Robert G. Loucks, Ernest A. Mancini (Committee chair), Marcio R. Mello, David Morse, Prasanta K. Mukhopadhyay, Charles R. Noll, Jr., Jeffrey A. Nunn, Richard A. Parker, Martin A. Perlmutter, Patricia A. Santogrossi, Steven Schamel, Wolfgang E. Schollnberger, Andrew R. Scott, Regina N. Tempel, David M. Weinberg, and Brian A. Zaitlin.

Reservoir Development

The function of the Committee on Reservoir Development is to serve as a focus for members whose interests are primarily in the field of development.

The Committee on Reservoir Development (RDC) goal is to encourage and bring forward work and studies in the fields of reservoir geology, reservoir characterization, and development and production geology. To meet this goal the Committee primarily organizes forums and symposiums to discuss pertinent issues in these fields. We meet formally once per year at the AAPG Annual Convention and stay in contact as needed through e-mail and phone calls. The RDC maintains liaisons and contacts to the AAPG Publications, Convention Coordi-

nating, Geophysical Integration, and Research Committees, the Society of Petroleum Engineers (SPE), Society of Exploration Geophysicists, and Society of Professional Well Log Analysts. The RDC continued its efforts to highlight new areas of technology for the fiscal year ending July 1, 2002.

New Members

The RDC added eight new members to the Committee in an effort to expand its international presence, with added expertise in reservoir geochemistry and fractured and structurally complex reservoirs. The Committee is always looking for new members with interests in any aspect of geology, geostatistics, petrophysics, geochemistry, and geophysics who will energetically promote reservoir and production geosciences. If you have an interest in our Committee or questions please contact any Committee member, whose information is posted on the RDC Web pages maintained by the AAPG located at <http://infosystems.aapg.org/committees/commprofile.cfm?CMCMTNO=264>

Hedberg Conference

The AAPG Research Committee approved the proposal to co-host, with the SPE Gulf Coast Section, a Hedberg Conference entitled "Carbonate Reservoir Characterization and Simulation: From Facies to Flow Units," scheduled for fall 2003 or spring 2004, in El Paso, Texas. The focus is on reservoir characterization and flow simulation. AAPG co-conveners are Charles Feazel, Alan Byrnes, and Art Saller. Representatives of the SPE-GCS who will assist with the technical program are Jim Honefenger, Steve McCants, and Bob Leibrecht. The AAPG will fund the 2003 meeting, but the plan is to make this a regular event, funded alternately by the AAPG and SPE. The conference proposal is available on the RDC Web page.

AAPG Summit on Teaching Petroleum Geology

Hannes Leetaru was invited to the annual RDC meeting to present a summary of the AAPG Summit on Teaching Petroleum Geology. The focus of the summit was to determine the educational and training requirements of students entering the field of petroleum geology. Petroleum professors from eight different countries met with numerous petroleum companies including BP, Saudi Aramco, Conoco, and ExxonMobil to discuss these issues. With exception of Saudi Aramco all had similar problems. Most companies have difficulty hiring students because funding is cut. Discussions of what companies want in a new hire include (1) a broad based education with a field expe-

rience, (2) an M.S. degree with a thesis (Ph.D. is not critical), (3) exposure to field geology to understand scale issues, and (4) the ability to learn to work on and complete a project. Hannes inquired about how the RDC might help with this effort. The RDC made the following suggestions: (1) put together teaching aids in petroleum geology on a CD-ROM, (2) place on a Web site downloadable maps to contour, wells to correlate, and seismic sections to interpret (all with answers), and (3) locate company sponsored data sets with problems to solve and make them available to universities.

New or Rejuvenated Initiatives

A proposal to develop an Outcrop Analog Catalog was put before the Committee. The Committee recognizes the need for such information to be publicly available; however, companies who have developed internal catalogs, at great expense, would probably be reluctant to release such information. Several members agreed to check the availability of analog information in their respective companies and report back to the RDC. One member noted that the DOE might be willing to partially fund such a project. Unfortunately, the proposal lacks a project leader at this time. The proposal is available on the RDC Web page. Another initiative was to resurrect the proposal to update the popular Development Geology Manual, edited by Diana Morton-Thompson and Arnold Woods. If this project goes forward, the recommendation is to have the new manual in digital form.

Future RDC Goals

The RDC plans to organize other Hedberg Conferences and/or recommend to the Convention Coordination Committee sessions to address (1) the characterization and modeling of fractured and karsted reservoirs, (2) the use of geochemical data, such as fluid inclusion data, in the reservoir description process, (3) geology and CO₂, and (4) seismic attributes for rock properties and depositional environments.

Richard L. Chambers, Chair

Committee Members: Edith Allison, Saibal Bhattacharya, Justine Bocanera, Alan Byrnes, Timothy Carr, Richard L. Chambers, Donald Clark, Chip Feazel, Lynne Feldkamp, Rick Fritz, Neil Gaynor, Jose Ignacio Guzman, Donald Hall, Jeffrey F. Heyer, Andrew Horbury, Alfred Lacazette, Kenneth Mallon, Roy Nurmi, Frithjof Øverdal, Jeanne Phelps, George Rhoads, Art Saller, Andrew Scott, Robert Single, Daniel Smith, John Sneider, Edward J. Stockhausen, César Vásquez, and Jeffrey Yarus.

Resource Evaluation

The function of the Committee is to provide input and facilitate U.S. Government agencies and other appropriate agencies in performing assessments and monitoring the status of U.S. and international hydrocarbon resources. The Committee may publish resource estimates only if they are fully documented with appropriate maps, statistics, and explanation of methodology.

During the July 1, 2001 to June 30, 2002 period, the Committee on Resource Evaluation (CORE) maintained its traditional high level of activity. The Committee interacts with and provides input to U.S. Government and other appropriate agencies in performing assessments and monitors the status of United States and international hydrocarbon resource supply and demand issues.

On July 1, 2001, Naresh Kumar succeeded Ben Hare as chairman of the Committee. Ben had led the Committee almost since its inception more than six years earlier. Under Ben Hare, this group became a high-profile source for data, information, and expertise on resource evaluations for the AAPG members and its leadership. Ben was rewarded with a Distinguished Service Award in 2001 at the AAPG Annual Convention for this contribution.

Two of the Committee members prepared testimonies (with the help of the rest of the Committee and others) for the House Subcommittee on Energy and Mineral Resources. On April 18, 2002, Charlie Mankin delivered testimony entitled, "Resource Assessments as a Policy Tool: Balancing Society's Needs." This testimony was given in response to a report by the Rand Corporation that questioned the assessment methodology used by various government agencies. The presentation was well received as evidenced by more than three pages of follow-up questions received by Charlie. The answers to these questions were submitted in early May. Earl Ritchie prepared another testimony entitled, "Minerals Management Service's Five Year Offshore Leasing Plan: Impact on Forecast Natural Gas Production." Unfortunately this hearing was canceled but Earl's text is expected to be published as an article in the *AAPG Explorer* in the near future.

The Committee held its mid-year meeting in Dallas on December 10, 2001. A presentation from the Energy Information Agency reviewed the outlook for oil and gas supply and demand for the United States. This presentation highlighted for our group that if the nation increased its

use of gas significantly, the resources to do so—capital, equipment, manpower, and access (to resource-rich basins)—would have to be significantly increased. At this meeting, our Committee also decided to convey to the AAPG leadership the serious need to communicate resource supply and demand issues to the public at large in "layman's" terms. The Public Outreach Committee has been charged with the mission of educating the public. Bill Pollard of our Committee acts as a liaison with the Public Outreach Committee.

The annual meeting of the Committee was held in conjunction with the AAPG Annual Convention on March 9, 2002. A presentation on Russian oil and gas resources by Ray Leonard, vice president of exploration for Yukos Oil, and a Committee member, highlighted the immense potential of former Soviet Union countries. Ray proposed a review by CORE of the methodology used in the Yukos study. In anticipation, Naresh Kumar has identified a subcommittee to review this study in conjunction with our mid-year meeting, currently scheduled for November 18, 2002 in Denver. Some of the other ongoing efforts include the following:

- Ben Hare has prepared a position paper on Atlantic OCS resources. It is under review by the Committee membership and the Government Affairs Committee (GAC) of the Division of Professional Affairs. CORE continues to work closely with the GAC on all issues of mutual concern. We will submit the paper to the Executive Committee for their final approval in the near future.
 - Richard Nehring is developing a set of guidelines for what constitutes a scientific and credible resource assessment. The Committee has reviewed an early version of these guidelines. Once completed and adopted by the Committee, we expect to use these guidelines in reviewing methodologies used in resource assessments by various agencies.
 - CORE continues to work collaboratively with the SPE (Society of Petroleum Engineers) on resource definitions and promoting their consistent usage throughout the industry. Ken Mallon has been serving as the liaison between CORE and the SPE.
 - Our effort to upgrade and update our Web site under Earl Ritchie continues. We hope to have a new version of the Web site fully functional shortly.
- The Committee currently has a membership of 21, representing industry (majors, independents, and consultants, including senior international managers)

and government (USGS and MMS). Among its membership are three AAPG past presidents and the director of the Potential Gas Committee at the Colorado School of Mines. Earl Ritchie served as the vice chair of the Committee for 2001–2002. The wealth of experience and expertise in the Committee has allowed us to have credibility within the scientific community, government agencies performing resource assessments, and the Congress.

Naresh Kumar, Chair

Committee members: John Curtis, Michael Decker, William Fisher, Ronald Grubbs, Robert Gunn, Ben Hare, Naresh Kumar, Paul La Pointe, Charles Mankin, Richard Nehring, John Parker, William Pollard, Pulak Ray, Walter Riese, Earl Ritchie Jr., John Ritter, Christopher Schenk, Wolfgang Schollnberger, Daniel Smith, Ray Thomasson, and Suzanne Weedman.

Student Chapter

The function of the Student Chapter Committee is to oversee and administer the Student Chapter Program.

Student Chapter related programs continued to be well received on campuses and at AAPG functions around the world this past year. Student luncheons were held at the Gulf Coast, Southwest, and Pacific section meetings as a forum to encourage networking among students and between students and industry representatives, as well as to encourage student attendance at section meetings and provide information about AAPG programs. Ten chapters took advantage of the Book Gift program to acquire AAPG publications for individual Student Chapter libraries (\$500 each). Fifty chapters received distributions from the L. Austin Weeks Undergraduate Grant program to provide \$1000 split between a selected student and their department (18 winners were from outside of the United States). All presenters in the student-only sessions at the AAPG Annual Meeting were given gift certificates from the Kansas Geological Survey for the AAPG bookstore in addition to competing for the Best Speaker/Best Poster awards (Shell Foundation sponsored). Four Student Chapters were awarded a piece of \$5000 from proceeds at the 2001 AAPG Annual Meeting General Store for their work at

the store. The chapters from the University of Oklahoma and Wichita State University were recognized as outstanding chapters and awarded \$500 each in addition to a plaque (Schlumberger sponsored). The ExxonMobil sponsored student reception at the AAPG Annual Meeting continues to draw a large audience for the announcement of Best Speaker/Best Poster and Outstanding Student Chapter awards as well as a festive social environment. The success of the Student Expo program has grown to include events at the University of Oklahoma in addition to the annual Houston Student Expo; other events are in the works and discussion is ongoing for ways to recreate the Expo environment in other nations and in a Web-based "Virtual Expo."

The Student Chapter Committee met on March 12, 2002 in conjunction with the AAPG Annual Meeting in Houston, Texas. Discussion was dominated by issues surrounding the continued high quality of presenters in the student-only session at the Annual Meeting despite the decline in submitted abstracts and ways to increase number of student submitted abstracts. Plans to increase advertising of the cash awards for Best Speaker/Best Poster and general encouragement through various other methods were covered. Plans for student field trips and short courses for the 2003 AAPG Annual Meeting in Salt Lake City, Utah were also initiated.

James V. White, Chair

Committee members: Martha Lou Broussard, Robert Clarke, Robert Cowdery, Gloria Cummins, Richard Hager, Cristy Harrison, James Hartman, William Hottman, William Houston, Piotr Krzywicz, Henry Legarre, Richard Parker, Susan Waters, James White, and James Woodson.

Student Expo (ad hoc)

The 2001 AAPG/SEG (Society of Exploration Geophysicists) Student Expo, held September 30 and October 1 on the campus of Rice University, represented another success in the efforts of these two geoscience societies to improve networking and employment opportunities for students from across the country, particularly those from schools with few or no regular recruiting visits from the petroleum industry. This was the fourth annual

event in Houston, and although the number of student attendees was not what it was in 2000 (121 vs. ~140), the recognition of the Student Expo as a premiere recruiting function by major and independent oil and gas companies is clear. The number of sponsoring organizations and the amount of financial support was roughly double the 2000 totals (19 vs. 11 sponsors and \$25,500 vs. \$9,750, respectively). Though it is still too early to report final numbers, at least 12 students have had follow-up communication with recruiters they met at the Student Expo, and more than 3 students have received employment offers, intern or regular, via Student Expo contacts. Past years show that roughly 10% of students can expect job offers from contacts made at the Student Expo, which is comparable to what a typical campus visit will yield.

Though the 2001 AAPG/SEG Student Expo looked similar on the surface to past years, the Committee continued to experiment with new ways of growing the event. In the interest of expanding the scope of the employment opportunities, recruiters from environmental consulting firms and state regulatory agencies were invited to participate in this year's Student Expo. Representatives from both fields sponsored and attended the Student Expo and are interested in continuing to be a part of the event. More students were exposed to advertising for the Student Expo this year by listing the event in EOS, in the Geological Society of America's student mailings, and on the American Geological Institute's employment Web site. Our student feedback indicates that attendees typically hear of the Student Expo through several different sources, so determining the success of any individual advertising method is difficult. However, as all the media we employ are free, we will continue to utilize any and all available advertising. In 2001, a single hotel was contracted to provide exclusive lodging to all Student Expo attendees. In exchange for being the only hotel listed on the Student Expo Web site, the Crowne Plaza Hotel offered reduced room rates, special check-in packages, and shuttle service to and from Rice's campus. The service from the hotel was questionable and will be followed more closely in the future.

The year 2002 brings a new chair to the AAPG Student Expo Committee. Michael Deal has worked on the Committee for the past two years and brings a strong relationship with the SEG that should continue to enhance the cooperative efforts of the two societies. The 2002 Expo is in Houston, Texas, October 20–21, 2002.

Several specific issues have been raised in past years that will continue to be topics of discussion for the Committee: moving the event away from the Rice campus, moving the Student Expo away from Houston, and offering the Student Expo at alternative times of the year. Due to the number of recruiters, the Student Expo is pushing the limits of Rice's facilities in terms of maximizing interview space within a reasonable area. It may be advantageous to move the Student Expo to a hotel in the vicinity that could provide nearly limitless space for sponsor exhibits, student poster displays, and interviewing. We note, however, that many of the sponsors and students enjoy the atmosphere at Rice. Questions have been raised yearly about relocating the Student Expo to another part of the country or moving the dates away from the September/October timeframe. The Student Expo began in Denver, and there is no reason why similar events in other cities or at other times of year could not be successful. However, moving to another city would introduce significant additional expenses for most of the recruiters who attend the Student Expo conveniently because most of them are located in Houston. Recruiting companies do not need to schedule specific attendees in advance and can even invite students to their offices with ease to conduct more in-depth interviews. The dates for the AAPG/SEG Student Expo were chosen because they fall within the traditional recruiting cycle, and the best chance for students who's only exposure to recruiters is the Student Expo is to schedule the event concurrent with other campus interviews. To do otherwise is to ask the recruiters to take special measures in considering these candidates, something that will rarely work to the students' advantage. Other Expo-type events have been suggested and the event at the University of Oklahoma in the spring of 2001 was a clear success. Other events should take place; the more opportunities students have to be face to face with professional geoscientists, the better.

James V. White, Chair

Committee members: Martha Lou Broussard, Michael Deal, William Dupre, Carmen Fraticelli, Jean Hamilton, Osman Hassan, Margaret Kloska, Aaron Kullman, Donald Lewis, Ronald Nelson, Charles Noll Jr., Elle Schollnberger, Julia Wellner, and James White.

Visiting Geologists Program

The mission of the Visiting Geologists Program is to provide college and university students worldwide a balanced pic-

Table 1. 2001–2002 VGP Visits (United States)

Visiting Geologist	University	Students (as reported to AAPG)	Faculty	Others
Weinberg	Utah State University	29	7	1
Kumar	Southern Methodist University			
Gibson	Indiana University–Bloomington	28	14	20
Vogel	University of Wisconsin–Platteville	137	18	
Hollrah	Oklahoma State University			
Riese	Rice University			
Armentrout	Colorado School of Mines	23	10	5
Carr	Case Western Reserve University	25	20	
Weinberg	Boise State University	19	11	3
Weinberg	Idaho State University	27	11	1
Green	University of Missouri–Rolla	36	6	3
Dodge, R.	West Virginia University–Morgantown	81	75	6
Bruce	St. Louis University	36	8	
Oltz	University of Southern Alabama	30	8	2
Laubach	Northern Illinois University	78	12	
Armentrout	Portland State University	32	14	4
Carr	University of Nebraska–Omaha	29	12	
Wickstrom	Slippery Rock University	25	5	1
Armentrout	University of Washington–Seattle	29	2	
Green, R.	Texas A & M	30	8	4
Medvin	Southern Methodist University	25	10	15
Wickstrom	University of Cincinnati	55	16	
Barnard	Texas A & M	40	5	
Weinberg	University of Idaho –Moscow	48	9	1
Weinberg	Washington State University	16	8	
Wilson	University of Idaho –Moscow	21	3	
Kumar	University of Oklahoma–Norman	45	23	15
Katz	Union College	40	8	
Kuecher	Texas A & M	17	3	
Cowdery	University of Nebraska–Lincoln	12	3	2
Patchen	University of Tennessee–Knoxville	42	9	
Bruce	Lawrence University	68	14	
Oltz	University of North Alabama	6	6	1
Bruce	University of Wisconsin–Platteville	80	9	
Green, R.	Baylor University	20	6	2
Gerhard	Western Michigan University			
Gerhard	St. Cloud University–Minnesota			
Weinberg	University of Arizona–Tucson			
Pasternack	University of Wisconsin–River Falls			
Robinson	William & Mary University			
Larue	California State University	36	8	
Nelson, Roice	Brigham Young University			
Morton-Thompson	Western Michigan University	36	7	
Nelson, Ron	University of Texas–Austin	40	8	
Kumar	Southern Methodist University			
Gibson	Colorado State University	36	7	
Gratton	University of Arkansas–Fayetteville	42	4	4
Morton-Thompson	Ohio State University			
Green, Will	Baylor University	20	5	2
Patchen	University of Alaska–Fairbanks			
Armentrout	Colorado School of Mines			
Hamilton	University of Missouri–Rolla			
Herron	University of Arkansas–Fayetteville	29	11	10
Higley-Feldman	Michigan Technological University	24	4	0
Armentrout	University of Texas			
Hare	University of Oklahoma–Norman	46	12	12
LeMay	New Mexico Institute of Mining & Technology	40	6	8
Patchen	Marshall University	9	3	
Gries	University of Wyoming–Laramie			
Patchen	SUNY at Binghamton, New York	8	12	20
Gries	University of California–Bakersfield			
Landon	Oswego State University of SUNY			
Total	62 visits (all requests filled)	1595	460	142

ture of geosciences in the petroleum, energy minerals, and environmental industries; provide information about ca-

reers in the geosciences; present a positive image of a geoscience professional; and encourage geoscience career op-

tions for young scientists of high caliber. These goals will be achieved through direct student contact during college and university visits by active geoscientists.

Table 2. 2001–2002 VGP Visits (International)

Visiting Geologist	University	Students	Faculty	Others
		(as reported to AAPG)		
Gries	University of Azerbaijan	20		
Gries	Georgia Technical University–Country of Georgia	15		20
Gries	Istanbul Technical University	4		
Gries	University of Bucharest–Romania	20		
Gries	University of Mining & Geology “St. Ivan Rilski”–Bulgaria	15		
Gries	University of Croatia	25		
Hasany	University of Karachi–Pakistan			
Darman	University of Malaysia–Sabah	150	3	
Caughey	ITS Surabaya–Indonesia	96		2
Gries	Waseda University–Japan	12		
Gries	Beijing Geoscience University–China	70		
Hogg	Memorial University of Newfoundland–Canada	125		
Gries	Ho Chi Minh City Technology University–Vietnam	30		
Gries	University of Brunei	20		
Gries	University of Malaysia	30		
Gries	Various Universities–Indonesia	80		
Gries	National Center for Petrol. Geology & Geophysics–Australia	12		
Lambiase	Universiti Kebangsaan–Malaysia	35		
Lambiase	University of Malaysia	15		
Lambiase	Universiti Sains Malaysia, Penang–Malaysia	15		
Lambiase	Universiti Malaysia Sabah	25		
Gries	Various Universities–Nigeria	124		
Lambiase	University of Philippines	30		
Lambiase	Ho Chi Minh City University of Technology–Vietnam	6		
Lambiase	University of Natural Sciences–Vietnam	15		
Lambiase	Hanoi University of Mining & Geology–Vietnam	20		
Lambiase	Vietnam National University	25		
Hogg	Dalhousie University–Halifax, NS, Canada			
Hogg	St. Mary’s University–Halifax, NS, Canada			
Hogg	University of Calgary			
Caughey	Universitas Hasanuddin–Indonesia			
Akinpelu	University of Ilorin–Kwara, Nigeria			
Caughey	University of Indonesia	44	7	
Gries	University of Aberdeen			
Gries	Universita La Sapienza–Italy	40		
Gries	University Complutense–Madrid			
Lambiase	Chiang Mai University–Thailand	40		
Lambiase	Khon Kaen University–Thailand	3		
Lambiase	Suranaree University of Technology–Thailand	20		
Gries	Imperial College			
Lambiase	Chulalongkorn University–Thailand	20		
Maloney	Oxford Brookes University			
Wolgemuth	Moscow State University			
Darman	University of Brunei Darussalam			
Gries	University of Cusco–Peru			
Gries	University of Edad–Peru	10	2	2
Lambiase	Universitas Trisakti–Indonesia			
Lambiase	Universitas Gajah Mada–Indonesia			
Lambiase	UPN Veteran University–Indonesia			
Lambiase	Institut Teknologi Bandung–Indonesia			
Gries	University of Buenos Aires	20	10	
Lambiase	Padjadjaran University–Indonesia			
Gries	University of the West Indies–San Augustine–Trinidad	16		
Gries	Sultan Qaboos University–Muscat–Oman	12		
Gries	King Faud Univ. of Petroleum & Mining–Saudi Arabia	10		
Gries	Univ. of Cairo/Ain Shams Univ./Al-Azhor Univ.–Egypt	68		
Gries	Univ. of Tunis–El Manar–Africa	90	10	
Caughey	Sriwijaya University–Indonesia	80	4	
Kaldi	Univ. of Gaja Mada–Yogyakarta, Java–Indonesia	60		
Kaldi	Trisakti University–Jakarta–Indonesia	100		
Kaldi	University PN “Veteran”–Yogyakarta, Java–Indonesia	50		
Total	61 visits (all requests filled)	1717	36	24

The 27th year of the Visiting Geologist Program (VGP, formerly Visiting Petroleum Geologist or VPG) is another one of substantial growth. Comparing 12 month periods ending June 30, total visits (69) were up 28% 2000/2001 over 1999/2000; and this year total visits of 123(!)

Table 3. Economic Analysis*

87 visits reported students/faculty/others (45.68 contacts/visit)	3974
39 visits with no report × 45.68 average students/faculty/others	1782
**Total estimated students/faculty/others participated in program	5756
Annual Operating Expenses (\$)	
Employee cost, salaries	8,362.00
Employee cost, payroll taxes	640.00
Employee cost, pension	2,416.00
Employee cost, life insurance	128.00
Employee cost, health insurance	1,346.00
Employee cost, thrift savings	106.00
Employee cost, vision care	34.00
Overhead	13,034.00
Office supplies and maint.	9.00
Outside mailing cost	32.00
Printing	2,790.00
Postage, shipping, transf.	1,088.00
Meals, entertainment	313.00
Travel (staff)	1,102.00
Display	583.00
Furniture/equipment/signs	384.00
Contract personnel	224.00
Photography	416.00
Miscellaneous expense	60.00
Total	\$33,067.00
AAPG Costs per “Contact” (\$)	
Student/faculty/other (AA ÷ 5756)	5.74/contact
[†] VGP member estimated costs (\$500/visit × 123 ÷ 5756)	10.68/contact
University estimated costs (\$200/visit × 123 ÷ 5756)	4.27/contact
Total	20.69/contact

*2001–2002 VGP Visits (July 1, 2001–June 30, 2002).

**May include duplication of individuals who attended more than one VGP talk-related session (i.e. general talk on geology as a profession, technical talk, workshop/lab exercise, informal discussions).

[†]Excludes estimate of value of VGPers’ time, which might approximate out-of-pocket costs. (Note: employer sometimes pays both and some companies and VGPers absorb costs ordinarily handled by visited schools).

were up 78% over 2000/2001 despite the travel restrictions and other constraints caused by the September 11, 2001 terrorist attack.

This year (2001/2002) was the best year ever for VGP! However, in the United States we are still only visiting 8–10% of degree-granting geoscience departments. Internationally (61 visits), we are way ahead of previous years' visits, but again we have lots of schools left to contact.

VGP was helped substantially by President Robbie Gries' 28 visits. We now have 94 speakers (78% U.S., 15% international, 7% both). VGP still needs new players with enough industry experience in relationship to their age to have a story to tell. Of course, it is also important to be able to communicate effectively and have the initiative to obtain invitations to visit schools. VGPers are expected to make a minimum of one visit every two years in order to stay in the program excepting extenuating circumstances.

The committee voted (by e-mail) to formalize the "1-in-2" minimum and added "allowing faculty with a minimum of 15 years industry experience to join the VG program" (existing VGPers who become faculty are retained subject to the universal "1-in-2" minimum). Also please note that some VGs are "unadvertised," that is, they have been approved as VGs and can make visits under the VGP umbrella, but are not listed in the brochure or on the VGP Web page.

Our increased number of speakers has allowed the program to fill or schedule every request since July 1, 2000, thereby correcting a common yearly problem in VGP. Generally, VGPers also carry materials for, and promote, student chapters, grants-in-aid, student expos, mentoring, membership (including EMD and DEG), distinguished lectures, etc. This extra responsibility is currently receiving more attention through better coordination within AAPG.

The VGP Committee is proud of the VGPers who individually or through their company give time and pay travel expenses (generally visited schools provide only local lodging, food, and transportation). The AAPG Foundation generously funds the Tulsa headquarters operations. Occasionally speakers visit school functions or geological groupings off campus. Please see attached a list of speakers and schools visited since July 1, 2001.

All active VGPers are appreciated, but special recognition is due Joe Lambiase, who visited 18 schools (in Philippines, Malaysia, Vietnam, Indonesia, and Thailand) and David Weinberg, who visited 6 schools (in Idaho, Utah, Washington, and Arizona).

VGP is very well served by AAPG staff, which acts as promoter of visits, receiver of requests, supplier of data and coordinator for visits. We are particularly pleased with Cammy McKnight who currently acts as VGP coordinator. She is counseled by long-time staffer Barbara Davis and retired staffer/consultant Bob Millsbaugh, and I am assisted (and counseled) by vice chairs Bob Cowdery, Rich Green, and John Hogg. Other committee members are Adebayo Akinpelu, Chuck Caughey, Chris Heath, Susan Landon, and David Weinberg (three-year term begins July 1, 2002). Special thanks are due Chris for his work on company-desired geoskills (and some other skills).

Please note that for only the second year in VGP/VPG history (to the best of my knowledge) we have tried to calculate "total" costs of our program. In the 2001/2002 program year the VGP reached 5756 people (approx. the same as last year's count) at an average cost of \$20.69/person contacted. AAPG's portion is approximately \$5.74/person. (We consider every contact as one person, not knowing if a student, faculty member, etc. may have received several contacts.)

Headquarters updated 35 mm slides of the salary survey and AAPG student chapter map, which she sent to each VG as they made their first visit of the program year. The slides are in PowerPoint format and can be sent as e-mail attachments upon request. (Special thanks to John Armentrout for making "slides" available and for his many visits.)

Patrick J. F. Gratton, Chair

Committee members: Adebayo Akinpelu, Charles Caughey, Robert Cowdery, Pat Gratton, Rich Green, Chris Heath, John Hogg, Susan Landon, David Weinberg.

2001–2002 VGP speakers: Sunit K. Addy, Adebayo Akinpelu, William R. Almon, John M. Armentrout, J. Janine Barnard, James L. Bedford, George Bole, Lyle G. Bruce, Betsy Campen, Tim R. Carr, Gustavo Castano, Chuck Caughey, Gary P. Citron, Robert D. Cowdery, Herman Darman, William C. Dawson, Rebecca L. Dodge, Marlan W. Downey, Fred Duffy, Lee D. Entsminger, Lee Fairchild, Samuel A. Friedman, Lee C. Gerhard, Richard I. Gibson, G. Michael Grammer, Patrick J. F. Gratton, Richard G. Green, Willard R. "Will" Green, Robbie Gries, Alberto A. Gutiérrez, Alfredo E. Guzman, Joseph L. Haberfeld, Jean L. Hamilton, Ben Hare, Jeanne E. Harris, Tariq Hasany, Chris P. M. Heath, Edward W. Heath, Donald A. Herron, Debra Higley-Feldman, John R.

Hogg, Terry L. Hollrah, Peter J. Hutchinson, John Kaldi, Barry Katz, Brian D. Keith, Gerald J. Kuecher, Naresh Kumar, Susan M. Landon, David K. Larue, Stephen E. Laubach, William J. Lemay, Louis Liro, Peter Lloyd, Allen Lowrie, Bill Maloney, Mantez McDonald, Evelyn A. Medvin, Javier D. Meneses-Rocha, Harry J. "Jack" Meyer, Marcus E. Milling, Dwight "Clint" Moore, Diana Morton-Thompson, Jay C. Nania, H. Roice Nelson, Jr., James A. Noel, Robert Olson, Donald F. Oltz, Mark D. Orgren, J. Michael Party, Eric S. Pasternack, Douglas G. Patchen, Joanne Perry, Douglas C. Peters, Rima Petrossian, James Pindell, W.C. "Rusty" Riese, Bonnie B. Robinson, Robert W. Sabaté, Valary L. Schulz, Jesse A. Shell, Carl J. Smith, Dan L. Smith, Steven A. Sonnenberg, Paul Stephen Stoutamire, Deborah T. Sycamore, Daniel J. Tearpock, Michael M. Thacker, M. Ray Thomasson, Kenneth D. Vogel, Glen C. Ware, Edward M. Warner, Jeffrey Warren, David M. Weinberg, Nick Wemyss, Stanley Wharton, Larry Wickstrom, Edith Newton-Wilson, Fabian Wirnkar, Larry D. Woodfork, James C. Woodson, Douglas E. Wyatt, and Cindy A. Yielding.

Youth Educational Activities

The Youth Educational Activities Committee serves the membership in the coordination on a national level of the many K-12 programs of individual AAPG members, affiliated societies, and sections. It originates and manages programs on the national and international level such as the Earth Science Teacher of Year Award and Teachers Days at the national and sectional meetings. It assists and coordinates earth science and energy activities and programs of national youth organizations such as the Boy Scouts, Girl Scouts, and 4H. It serves as a liaison to other earth science organizations in joint activities relating to earth science and energy on a national and international level. Its overall mission is to provide a central organization to help the AAPG membership provide an appreciation of the geoscience profession and its professionals to K–12 students and teachers.

General

Significant advances were made in fulfilling our mission within AAPG. Our membership grew, adding representation from the Rocky Mountain and Eastern

Sections, as well as International. We supported the AAPG Teachers' Day in Houston, led by Marsha Bourque and Martha Lou Broussard. Youth Educational Activities (YEA) Committee members have been active in supporting Earth Sciences in K–12 by working with the American Geologic Institute (AGI) to meet with state and local Boards of Education to mitigate the erosion of Earth Science requirements in K–12 curricula. Marsha Bourque played a key role in meetings with the Texas Board, and Don Lewis is working on these issues in California and developing links to other states.

The YEA Committee continued active participation in Teacher Support, AAPG Teacher of the Year Award, Earth Science Week, Scouting, and 4H programs, as outlined below. We are strengthening our efforts in support of minority and women's K–12 programs.

Teachers' Programs

- Kansas Geological Society—Speakers Bureau, extensive videotape library, and Walking Tour Guides of Wichita: Bob Cowdery (<http://www.kgslibrary.com>; <http://www.KGfoundation.org>).
- Colorado, Rocky Mountain Association of Geologists—Dinosaur Ridge classes with college credit and tours: Norb Cygan (<http://www.dinoridge.org>); Colorado Geological Survey CD-ROMs: Laura Wray (<http://geosurvey.state.co.us>).
- Michigan—Rocks in Your Head program support: Bill Stelzer
- American Geological Institute—educational materials: Julie Jackson (<http://www.agiweb.org/education>).

- San Joaquin Valley—Desk and Derrick Teachers Petroleum Program: Terry Thompson
- North Coast Geological Society—Black Diamond Mine tours and other field trips: Randy Kirby; Bay Area Earth Science Institute, weekend workshops with college credit: Ellen Metzger (<http://www.baesi.org>).
- Participation in MESTA programs: Bill Stelzer
- Participation with NSTA programs: Jerry Walker
- Rocks in Your Head program support through AAPG Foundation: Patty Holyfield

Teacher of the Year

Excellence in the teaching of natural resources in the Earth Sciences Program, Don Lewis

- Annual K-12 Teacher of the Year awards program
- More sections submitted nominees than in previous years (http://www.aapg.org/foundation/toya_intro.html).

Earth Science Week

Julie Jackson (AGI), section and society support for local school programs, including

- Kansas Geological Society—speakers and activities: Bob Cowdery
- West Texas Geological Society—speakers and activities: David Percy
- Colorado Geological Survey—field trips: Laura Wray

- Colorado Dinosaur Ridge—dinosaurs days tours: Norb Cygan

Boy Scouts of America

- Ron Hart and Mike Clark
- Support of the National Jamboree in 2001: Ron Hart, Jim Adams
- Local support by members: Mike Clark

Girl Scouts of America/Girl Guides

- Katharine Lee Avary
- Local support by members
- Coordination through Association of Women Geologists

4H Clubs

- Alan DeGood
- Support of 4H activities involving earth sciences

Minority Programs

- Russell Stands-Over-Bull
- Evaluate opportunities to work with teacher and student programs for Native Americans, beginning 2002–2003

Paul Henshaw, Chair

Committee members: Samuel Adams, Katharine Avary, Marsha Bourque, Martha Lou Broussard, Patrick Burns, Elizabeth Campen, Marvin Carlson, Michael Clark, Robert Cowdery, Norbert Cygan, Alan De Good, Fred Dix Jr., Richard Erickson, Walter Grun, Gary Hanson, Stuart Hanson, Ronald Hart, Walter Hendrickson, Paul Henshaw Jr., Donald Lewis, Paul Mock, Daniel Nedland, William Stelzer Sr., Terry Thompson, Karla Tucker, and Laura Wray.

Reports of the Special Committees and Delegations

Petroleum Technology Transfer Council (PTTC)

People effectively using technology are the key to generating attractive prospects and forums like APPEX, organized by geoscientists for geoscientists through the efforts of AAPG, the Society of Independent Professional Earth Scientists, and the Houston Geological Society, to provide the direct contact for deals to happen. Dedicated to transferring upstream technology to the domestic exploration and production industry, the Petroleum Technology Transfer Council (PTTC) is pleased to provide products and services

supporting the prospect process, including

- Low-cost regional workshops and other events that provide real-world solutions targeted to specific problems and opportunities
- Regional resource centers with data and information resources, exploration and production software training, and inquiry response and referral services
- A 14-site network consisting of a national Web site interconnected with 13 regional and satellite Web sites to communicate technology information
- Timely publications and information products including newsletters, techni-

cal reports, databases, software samplers, and case studies

Of the bundle of services PTTC provides industry, three services particularly benefit prospect generators. PTTC sponsors many play-based workshops. These regional analyses of producing formations help prospect generators correctly see where their prospect fits in the regional context. Case studies, which are typical in these workshops, illustrate important concepts. And, with a correct understanding of the regional context, prospectors may see opportunities that they would otherwise miss. Basin permitting and drilling activities pick up as the results are shared.

PTTC also works hard to provide access to low-cost public domain data and to train individuals how to access and use these data electronically. Beyond the data itself, PTTC provides software training to help industry users learn how to use the geoscience packages that help them get better answers faster. Plus, the presentations from the software products are often integral to presentations that close deals. With input and support from AAPG, the Colorado School of Mines and other donors, the PTTC Rocky Mountain Region resource center at the Colorado School of Mines led by Sandra Mark continues to offer a fully equipped computer lab complete with the latest software packages and has become a popular training facility. In addition to Mines, the Oklahoma Geological Survey headed by Charles Mankin, currently AAPG secretary, has been a very active representative for PTTC with numerous workshops through alliances with Oklahoma's Margin Well Commission and Oklahoma University's Geographic Information Systems Group. Bill Harrison of Michigan, Ernie Mancini of Alabama, Dave Morse of Illinois, Doug Patchen of West Virginia, Roger Slatt of Oklahoma, Scott Tinker of Texas, and others have been at the forefront presenting

papers and workshops in conjunction with PTTC objectives. Most recently many of us visited the "Hill" in Washington, D.C. to insure that representatives are aware of how critical public funding of oil and natural gas research and development and technology transfer is to domestic production.

C. R. Noll, AAPG
Don Duttlinger, PTTC

AGI National Geoscience Data Repository

No meetings were held during the year because the Committee is waiting on the National Research Council Report on Geoscience Data Preservation. The Committee feels that the next step in our efforts will be to create a "corporate" structure to be able to accept material donations and financial donations to support data storage. This report could be a

key to gaining support both from companies who have yet to commit to geoscience data initiatives as well as finding outside support; e.g., state and federal government, foundations.

A meeting of the Steering Committee will be scheduled as soon as the report from the National Research Council is distributed to discuss the next steps.

- In addition,
- AGI participated in the March 5–7 meeting of the International National Data Repository Group in Norway and has offered to host the next meeting in Washington D.C. in 2003.
 - A resurvey of U.S. Geoscience Data Repositories should be completed by the end of April.
 - AGI has completed transcribing 900 miles of Santa Barbara channel seismic data from 20,000 paper analog tapes to DLT tapes. The DLT tapes are currently housed at the Texas Bureau of Economic Geology.
 - Discussions between state surveys of Oklahoma and Texas are proceeding in an effort to transfer the BP-Amoco cores and facilities to the states.

Robert Merrill, AAPG Representative

Association Awards

Sidney Powers Memorial Award

The Sidney Powers Memorial Award is a gold medal given in recognition of distinguished and outstanding contributions to, or achievements in, petroleum geology.

1945 – Wallace E. Pratt
1947 – Alexander Deussen
1948 – A. I. Levorsen
1950 – Everette L. DeGolyer
1951 – Max Steineke
1952 – K. C. Heald
1953 – Frederic H. Lahee
1954 – George Martin Lees
1956 – William Embry Wrather
1957 – J. P. D. Hull
1958 – Paul Weaver
1959 – Raymond C. Moore
1960 – Henry V. Howe
1961 – Clarence L. Moody
1962 – Lewis G. Weeks

1963 – Hollis D. Hedberg
1964 – Edgar W. Owen
1965 – Victor Elvert Monnett
1966 – William B. Heroy, Sr.
1967 – Carey Croneis
1968 – Maurice Ewing
1969 – Ira H. Cram, Sr.
1970 – Frank R. Clark
1971 – Frank A. Morgan
1972 – Morgan J. Davis, Sr.
1973 – Gordon I. Atwater
1974 – G. Moses Knebel
1975 – Dean A. McGee
1976 – W. Dow Hamm
1977 – Michel T. Halbouty
1978 – Kenneth H. Crandall
1979 – William Hirst Curry, Jr.
1980 – Kenneth K. Landes
1981 – Mason L. Hill
1982 – Daniel A. Busch
1983 – Grover E. Murray
1984 – Robert J. Weimer
1985 – J. Ben Carsey
1986 – Merrill W. Haas

1987 – James E. Wilson
1988 – Rufus J. LeBlanc, Sr.
1989 – Hugh Neumann Frenzel
1990 – John T. Galey
1991 – John E. Kilkenny
1992 – Sherman A. Wengerd
1993 – Robert R. Berg
1994 – William L. Fisher
1995 – John D. Haun
1996 – Bernold M. Hanson
1997 – Robert D. Gunn
1998 – Albert W. Bally
1999 – Norman H. Foster
2000 – Gerald M. Friedmann
2001 – Robert M. Sneider
2002 – James L. Wilson
2003 – Peter R. Vail

Honorary Members

Honorary membership is bestowed upon persons who have distinguished themselves by their service and devotion to

the science and profession of petroleum geology and the Association.

*2002 Recipients

John J. Amoruso, 1987
Albert W. Bally, 1986
Thomas D. Barber, 1997
Ted L. Bear, 1988
Allan Parnell Bennisson, 1999
Robert R. Berg, 1985
D. L. Blackstone, Jr., 1990
Richard R. Bloomer, 1987
George R. Bole, 1999
Louis C. Bortz, 1988
John M. Browning, 1985
Daniel A. Busch, 1978
David G. Campbell, 1995
A. T. "Toby" Carleton, 2000
Paul A. Catacosinos, 2000
Robey H. Clark, 1985
James M. Coleman, 2002*
Robert D. Cowdery, 1987
Brenda K. Cunningham, 2001
Herbert G. Davis, 1986
Gerard J. Demaison, 1995
Wallace de Witt, Jr., 1999
Thomas W. Dibblee, Jr., 1996
Fred A. Dix, Jr., 1986
William L. Fisher, 1990
Peter T. Flawn, 1983
Gerald Manfred Friedman, 1990
Lawrence W. Funkhouser, 1984
Lee C. Gerhard, 1997
James A. Gibbs, 1995
George R. Gibson, 1973
Ned (E. E.) Gilbert, 2001
Robert N. Ginsburg, 1991
William E. Gipson, 1991
August Goldstein, Jr., 1981
Howard R. Gould, 1979
Patrick J. F. Gratton, 2002*
Cecil H. Green, 1993
Willard R. Green, 1998
Robbie Rice Gries, 1998
George C. Grow, Jr., 1988
Robert D. Gunn, 1983
Merrill W. Haas, 1979
Michel T. Halbouty, 1969
Frank W. Harrison, Jr., 1986
James Austin Hartman, 1992
John D. Haun, 1984
William B. Heroy, Jr., 2001
Melvin J. Hill, 1979
Myron K. Horn, 1997
James R. Jackson, Jr., 1982
Robert R. Jordan, 1993
John R. Kerns, 1993
Robert E. Klabzuba, 1992
Susan M. Landon, 2000
Rufus J. LeBlanc, 1981
James O. Lewis, 1986
Robert G. Lindblom, 1999
John P. Lockridge, 1987
John David Love, 1995
Charles J. Mankin, 2000

John A. Masters, 1996
Robert E. Megill, 1993
Fred Franke Meissner, 2001
Daniel F. Merriam, 1996
Richard F. Meyer, 1987
Harry A. Miller, Jr., 1985
Marcus E. Milling, 1998
Robert M. Mitchum, Jr., 2000
Raul Mosmann, 2002*
William R. Muehlberger, 1995
D. Keith Murray, 1988
Grover E. Murray, 1970
Arne R. Nielsen, 1992
John M. Parker, 1987
James A. Peterson, 1996
Thomas Hughes Philpott, 1993
M. Dane Picard, 1994
George B. Pichel, 1991
Edward B. Picou, Jr., 2002*
Max G. Pitcher, 1994
Lewis S. (Stan) Pittman, 2001
Eugene F. "Bud" Reid, 1991
David G. Roberts, 2001
Peter R. Rose, 2002*
Edward C. Roy, Jr., 1993
Nahum Schneidermann, 1994
John W. Shelton, 1990
Carl J. Smith, 2001
Robert M. Sneider, 1994
Bill St. John, 1988
Donald Sherwood Stone, 1994
Paul M. Strunk, 1999
John A. Taylor, 1982
Bernard P. Tissot, 1987
Don F. Tobin, 1998
Harrison Lee Townes, 1997
Marion Orville Turner, 1984
Peter R. Vail, 1991
Arthur M. Van Tyne, 1996
Robert J. Weimer, 1982
James E. Wilson, Jr., 1977
James Lee Wilson, 1987
Larry D. Woodfork, 1990
Donald L. Ziegler, 1986

**Deceased Honorary Members with
Year of Election or Year of Award**

John Emery Adams, 1966
Gordon I. Atwater, 1969
Fritz L. Aurin, 1960
Andrew D. Baillie, 1990
Leonidas T. Barrow, 1959
N. Wood Bass, 1961
B. Warren Beebe, 1966
Alfred H. Bell, 1962
Leslie Bowling, 1975
Don R. Boyd, 1989
Carl C. Branson, 1973
Jules Braunstein, 1980
George S. Buchanan, 1965
H. P. Bybee, 1956
M. R. Campbell, 1934
Carlos Walter M. Campos, 1992
Joe Cannon, 1994
Everett Carpenter, 1958
J. Ben Carsey, 1966

Arlo E. Childs, 1970
H. Victor Church, 1987
Frank R. Clark, 1958
Leslie M. Clark, 1976
George V. Cohee, 1963
Frank B. Conselman, 1970
Kenneth H. Crandall, 1972
Ira H. Cram, Sr., 1964
Carey Croneis, 1965
William H. Curry, Jr., 1973
Doris S. M. Curtis, 1983
N. H. Darton, 1938
Morgan J. Davis, Sr., 1964
Ralph E. Davis, 1960
L. Courtney Decius, 1975
C. E. Decker, 1927
Ronald K. DeFord, 1965
E. L. DeGolyer, 1944
Alex Deussen, 1953
Parke A. Dickey, 1989
Carroll E. Dobbin, 1957
Charles F. Dodge III, 1999
Robert H. Dott, Sr., 1962
E. T. Dumble, 1926
John E. "Brick" Elliott, 1970
Samuel P. Ellison, 1982
Elmer W. Ellsworth, 1972
W. H. Emmons, 1946
Maurice Ewing, 1968
Norman L. Falcon, 1973
John L. Ferguson, 1969
Norman H. Foster, 1993
Hugh N. Frenzel, 1982
H. B. Fuqua, 1983
John T. Galey, 1980
John E. Galley, 1983
G. C. Gester, 1949
H. B. Goodrich, 1929
C. N. Gould, 1943
Eduardo J. Guzmán, 1972
Dollie R. Hall, 1963
W. Dow Hamm, 1967
Marcus A. Hanna, 1962
Bernold M. Hanson, 1984
Charles J. Hares, 1959
G. D. Harris, 1935
T. S. Harrison, 1956
Roy T. Hazzard, 1959
John C. Hazzard, 1973
Kenneth C. Heald, 1957
Hollis D. Hedberg, 1967
Thomas A. Hendricks, 1971
William B. Heroy, 1957
Mason L. Hill, 1966
R. T. Hill, 1926
John M. Hills, 1980
William J. Hilsseweck, 1969
Harold W. Hoots, 1974
Henry V. Howe, 1967
J. V. Howell, 1956
M. King Hubbert, 1974
J. P. D. Hull, 1951
George S. Hume, 1954
V. C. Illing, 1960
H. R. Johnson, 1953
Percy E. (Peter) Kent, 1976

John E. Kilkenny, 1972
 Robert E. King, 1970
 Robert M. Kleinpell, 1973
 Hugh Douglas Klemme, 1991
 G. Moses Knebel, 1965
 Samuel H. Knight, 1959
 Edward Koester, 1971
 Frank E. Kottlowski, 1985
 Hans G. Kugler, 1968
 F. H. Lahee, 1947
 Kenneth K. Landes, 1962
 A. C. Lawson, 1937
 M. M. Leighton, 1950
 A. I. Levorsen, 1957
 Ray C. Lewis, 1993
 Theodore A. Link, 1962
 E. R. Lloyd, 1950
 Leonard F. McCollum, 1974
 Dean A. McGee, 1989
 Duncan A. McNaughton, 1988
 Maurice G. Mehl, 1961
 Lee Hillard Meltzer, 1983
 W. C. Mendenhall, 1935
 Willis G. Meyer, 1984
 Ralph LeRoy Miller, 1988
 H. D. Miser, 1948
 V. E. Monnett, 1955
 Clarence L. Moody, 1956
 Graham B. Moody, 1962
 John D. Moody, 1972
 Raymond C. Moore, 1957
 Robert B. Moran, 1959
 Frank A. Morgan, 1961
 Harold T. Morley, 1968
 Jerry Bowers Newby, 1967
 Gordon B. Oakeshott, 1981
 W. W. Orcutt, 1926
 Ezequiel Ordonez, 1935
 Edgar W. Owen, 1960
 Ben H. Parker, 1966
 Wallace E. Pratt, 1957
 R. D. Reed, 1939
 John L. Rich, 1954
 John T. Rouse, 1971
 R. Dana Russell, 1976
 R. D. Salisbury, 1919
 E. F. Schramm, 1956
 Charles Schuchert, 1934
 E. H. Sellards, 1946
 C. L. Severy, 1958
 Laurence L. Sloss, 1981
 G. O. Smith, 1920
 William C. Spooner, 1958
 Hans Stille, 1937
 J. A. Taff, 1934
 Charles H. Taylor, 1961
 W. Taylor Thom, Jr., 1958
 Arthur C. Trowbridge, 1958
 Daniel Trumpy, 1964
 Edd R. Turner, 1982
 W. H. Twenhofel, 1946
 J. A. Udden, 1927
 E. O. Ulrich, 1936
 Martin Van Couvering, 1967
 W. A. J. M. van der Gracht, 1936
 F. M. Van Tuyl, 1949

Walter A. Ver Wiebe, 1955
 H. H. von Hofer, 1924
 William A. Waldschmidt, 1979
 Robert F. Walters, 1987
 Theron Wasson, 1960
 Paul Weaver, 1956
 Lewis George Weeks, 1967
 Sherman A. Wengerd, 1977
 David White, 1919
 I. C. White, 1926
 W. G. Woolnough, 1941
 W. E. Wrather, 1943

Michel T. Halbouty Human Needs Award

The Michel T. Halbouty Human Needs Award is given each year by the Association as an exceptionally high honor to an individual for the most outstanding application of geology to the benefit of human needs, and to recognize scientific excellence.

1972 – Wallace E. Pratt
 1973 – Hollis Dow Hedberg
 1974 – Cecil H. Green
 1975 – Michel T. Halbouty
 1976 – Lewis G. Weeks
 1977 – Martin Van Couvering
 1978 – Vincent E. McKelvey
 1979 – M. Gordon Frey
 1980 – Creighton A. Burk
 1981 – Thomas W. Dibblee, Jr.
 1982 – David M. Evans
 1983 – Harrison H. Schmitt
 1984 – Dean A. McGee
 1985 – Leonard F. McCollum
 1986 – Eugene F. Reid
 1987 – Richard P. Sheldon
 1988 – Victor E. Oppenheim
 1989 – Guillermo P. Salas Guerra
 1990 – Hans D. Knipping
 1991 – Roy M. Huffington
 1992 – Donald F. Todd
 1993 – Gordon B. Oakeshott
 1994 – George P. Mitchell
 1995 – Gabriel Dengo
 1996 – Farouk El-Baz
 1997 – Raymond A. Price
 1998 – Robert S. Yeats
 1999 – Philip J. Currie
 2000 – Thomas L. Wright
 2001 – Robert Calvin Milici
 2002 – John A. Reinemund
 2003 – Rex Monahan

Outstanding Explorer Award

The Outstanding Explorer Award is given in recognition of distinguished and outstanding achievement in exploration for

petroleum or mineral resources, by members who have shown a consistent pattern of exploratory success, and with an intended emphasis on recent discovery.

2002 – Richard W. Beardsley
 2003 – William J. Barrett

Distinguished Educator Award

The Distinguished Educator Award is given to recognize distinguished and outstanding contributions to geological education including, but not limited to, teaching and counseling of students at the university level. Funded by Dr. and Mrs. Grover Murray, this award can also be given for education of the public and management of educational programs.

1995 – James Lee Wilson
 1996 – Gerald M. Friedman
 L.L. Sloss
 Robert J. Weimer
 1997 – George B. Asquith
 Robert Louis Folk
 Harold G. Reading
 1998 – Gerard V. Middleton
 Lloyd C. Pray
 1999 – D. L. Blackstone, Jr.
 Peter R. Vail
 Roger G. Walker
 2000 – Robert R. Berg
 John D. Haun
 Ernest A. Mancini
 2001 – John W. Harbaugh
 Clyde H. Moore
 Charles R. Stelck
 2002 – Zuhair Al-Shaieb
 William R. Muehlberger
 Paul E. Potter
 2003 – Albert V. Carozzi
 Frank G. Ethridge

Special Awards

Special Awards are given when, in the Executive Committee's judgment, persons are deserving of recognition for some outstanding accomplishment which does not otherwise qualify for existing honors or awards.

1973 – Harrison H. "Jack" Schmitt (for lunar exploration)
 1974 – Marcel and Conrad Schlumberger (posthumously) (for development of electrical logging)
 1990 – John F. Bookout (for excellence in exploration leadership)

- 1991 – Norman H. Foster and Edward A. Beaumont (for work on the *Treatise of Petroleum Geology*)
- 1995 – James Wood Clarke (for English translation/publication of geological information from Soviet Union and Russia)
- 1996 – Wesley G. Bruer (for adding Oregon to the list of producing states with the 1979 discovery of the 70 bcf Mist gas field)
- 1996 – Norman D. Newell (for paleoecological studies of Permian Reef complex of W. Texas and organic evolution)
- 1997 – Marsha A. Barber (for development of K-12 curricula and teacher training to improve public understanding of energy issues)
- 1997 – Eugene M. Shoemaker (for transforming meteor impacts into an accepted geologic process with implications for terrestrial geology and evolution)
- 1997 – Paul G. Benedum, Jr. (for leadership of the Claude Worthington Benedum Foundation)
- 1997 – Robert E. Megill (for showing petroleum geologists how to express their ideas and cope with their science through the use of petroleum economics)
- 1998 – Fred A. Dix, Jr. (for dedicated leadership of the AAPG from 1973 to 1996)
- 1999 – Isaac J. Crumbly (for leadership in creating a technical workforce for the nation's energy industry)
- 1999 – Sarah G. Stanley (for leadership in the development of public centers for workstation training)
- 2000 – Arthur R. Green (for visionary work to develop integrated geoscience and commitment to deliver these products to the geoscience community)
- 2000 – William T. Smith (for outstanding achievement as a working petroleum geologist and oil industry executive)
- 2001 – Kenneth Dale Owen and David L. Rice (for their efforts in restoring the 19th century New Harmony scientific community in Indiana)
- 2001 – Richard Warren (for his commitment to the oil industry while facing personal affliction with fortitude)
- 2001 – J. C. "Jay" Gallagher (posthumously) (for the successful evolution of the International Pavilion)
- 2002 – Emmanuel Tamesis
- 2003 – Waverly Person

Public Service Award

The Public Service Award is a walnut plaque bearing the recipient's name, the date, and citation. It is given to recognize contributions of members to public affairs and to encourage geologists to take a more active part in public affairs.

- 1971 – Dewey F. Bartlett
- 1972 – William T. Pecora
- 1973 – Ian Campbell
- 1974 – Dean A. McGee
- 1975 – Lee C. Lamar
- 1976 – No Recipient
- 1977 – William J. Sherry
- 1978 – George T. Abell
- 1979 – A. V. Jones, Jr.
- 1980 – G. Frederick Shepherd
- 1981 – Wilson M. Laird
- 1982 – Wallace W. Hagan
Richard A. Jahns
- 1983 – Daniel N. Miller, Jr.
John B. Patton
- 1984 – John Wesley Rold
Joseph J. Simmons III
- 1985 – James A. Barlow
- 1986 – Robert D. Gunn
Cliff J. Nolte
- 1987 – Jack G. Elam
Fred L. Smith, Jr.
- 1988 – Charles J. Mankin
- 1989 – John A. Taylor
James W. Vanderbeek
- 1990 – Cyril J. Perusek
- 1991 – John David Love
- 1992 – John H. Gray
- 1993 – Virgil E. Barnes
Charles W. Spencer
- 1994 – William Kennon McWilliams, Jr.
Thomas Walsh Rollins
- 1995 – Norbert E. Cygan
Gerald G. L. Henderson
- 1996 – Alan L. DeGood
Robert G. H. Reynolds
E. Gerald Rolf
- 1997 – Samuel T. Pees
- 1998 – Mary Elizabeth Dowse
David G. Rensink
- 1999 – James E. Brooks
John Robert Dewey
Randy A. Foutch
- 2000 – John Harris Marshall, Jr.
Alvin L. Schultz
- 2001 – Patty Holyfield
H. Leighton Steward
John S. Wold
- 2002 – M. Lee Allison
Lawrence H. Skelton
- 2003 – Charles E. Brown II

Pioneer Award

The Pioneer Award is an oak plaque bearing the recipient's name, date and

place to be given, and year of membership. It is given to long-standing members who have made significant contributions to the Association but have been unrecognized.

- 1997 – Elliott H. Powers
- 1999 – Elizabeth Anne Elliott
- 2000 – Willam C. Gussow
Frank P. Sonnenberg
- 2001 – No Recipient
- 2002 – Craig Ferris
- 2003 – Rushdi Said
Robert M. Sanford

Distinguished Service Award

The Distinguished Service Award is a walnut plaque that is presented annually to those who have distinguished themselves in service to AAPG.

- 1971 – August Goldstein, Jr.
- 1972 – Howard R. Gould
- 1973 – John D. Haun
Leslie Bowling
- 1974 – John T. Galey
- 1975 – Jules Braunstein
Robert J. Weimer
- 1976 – James R. Jackson, Jr.
- 1977 – George V. Cohee
Samuel P. Ellison, Jr.
- 1978 – Robert H. Dott, Sr.
Frank Gouin
- 1979 – George Copernicus Grow, Jr.
Thomas C. Hiestand
John C. Maher
- 1980 – John E. Galley
John W. Shelton
- 1981 – Bernold M. Hanson
Frank E. Kottowski
Ralph L. Miller
Marion Orville Turner
- 1982 – Donald W. Axford
Garth W. Caylor
William L. Fisher
Herbert G. Davis
Robert L. Fuchs
Robert J. Gutru
Richard F. Meyer
- 1983 – Don R. Boyd
Fred A. Dix, Jr.
James O. Lewis
D. Keith Murray
George B. Pichel
Donald L. Ziegler
- 1984 – Dudley Harold Cardwell
Robert H. Dott, Jr.
John P. Lockridge
Eric A. Rudd
Grant Steele
- 1985 – Thomas D. Barber
Norman H. Foster

George S. Galbraith
James A. Hartman
James S. MacDonald
William R. Moran
Anthony Reso
1986 – Allan P. Bennison
Louis C. Bortz
Charles F. Dodge III
Myron K. Horn
Roscoe E. Shutt
1987 – A. T. (Toby) Carleton
James A. Gibbs
John W. Harbaugh
Daniel F. Merriam
Bill St. John
Larry D. Woodfork
1988 – James M. Forgotson, Jr.
Gerald Manfred Friedman
Robert R. Johnston
Robert R. Jordan
John R. Kerns
Jack P. Martin
John A. Masters
1989 – George R. Bole
Martha Lou Broussard
Clemont H. Bruce
David G. Campbell
Lee C. Gerhard
Scott J. Lysinger
William H. Matthews III
1990 – James A. Helwig
Michael E. (Mike) Hriskevich
Lewis S. (Stan) Pittman
William H. Roberts III
Edward C. Roy, Jr.
Nahum Schneidermann
Richard Steinmetz
1991 – Dudley W. Bolyard
Robbie Rice Gries
George C. Hardin, Jr.
Jerome J. C. Ingels
Edward D. Pittman
Robert M. Sneider
Don F. Tobin
1992 – Edward A. Beaumont
Steven H. Harris
Christopher P. M. Heath
Robert G. Lindblom
James A. Peterson
1993 – Paul A. Catacosinos
John C. (Jack) Dunlap
Gay L. Harmann Larré
Hugh M. Looney
George D. Severson
Paul M. Strunk
Thomas L. Wright
1994 – Susan Longacre
Edward McFarlan, Jr.
James P. Rogers
John D. Sistrunk, Jr.
Carl J. Smith
Arthur M. Van Tyne
1995 – Richard S. Bishop
Brenda K. Cunningham
Edward K. David
Samuel Arthur Friedman

Susan M. Landon
Charles R. (Chuck) Noll
M. Ray Thomasson
1996 – Ashton F. Embry
George Eynon
Jeffrey C. Greenawalt
Gary E. Henry
Gustavas Warfield Hobbs IV
Peter R. Rose
Roger M. Slatt
1997 – Lee T. Billingsley
Stewart Chuber
Terry L. Hollrah
Susan M. Morrice
Dan L. Smith
Anthony Tankard
1998 – Kevin T. Biddle
Patrick J. F. Gratton
C. Dennis Irwin, Jr.
David A. L. Jenkins
Brian D. Keith
Hans H. Krause
F. Pierce Pratt
1999 – Ed W. Heath
James A. Noel
Roy D. Nurmi
Douglas Gene Patchen
Edward B. Picou, Jr.
Stephen A. Sonnenberg
2000 – Edward D. Dolly
J. Michael Party
Robert T. Sellars, Jr.
Robert C. Shoup
Pinar Oya Yilmaz
2001 – Elizabeth B. Campen
Chuck Caughy
Ian Derek Collins
Robert L. Countryman
Ben D. Hare
Jean R. Lemmon
Tom Mairs
Wolfgang E. Schollnberger
2002 – Thomas S. Ahlbrandt
Jeffrey Aldrich
Donald D. Clarke
John R. Hogg
2003 – Norbert E. Cygan
Donald W. Lewis
Steven L. Veal
Paul Weimer

Wallace E. Pratt Memorial Award

The Wallace E. Pratt Memorial Award was approved in 1982 to honor and reward the authors of original articles published in the AAPG Bulletin. The cash award is \$1500.

1982 – Roelof J. Murriss
1983 – James K. Crouch
1984 – William E. Galloway
David K. Hobday

Kinji Magara
1985 – Carr P. Dishroon, Jr.
Dave Russell Kingston
Philip A. Williams
1986 – Tod P. Harding
1987 – Tod P. Harding
1988 – Shankar Mitra
1989 – Bernard P. Tissot
Regis Pelet
Philippe Ungerer
1990 – Charles D. Winker
Richard T. Buffer
1991 – David Richard Dawson Boote
Robert Bruce Kirk
1992 – David Trowbridge Lawrence
Mark A. Doyle
Tom Aigner
1993 – Gerard J. Demaison
Bradley J. Huizinga
1994 – Kevin T. Biddle
Wolfgang Schlager
Kurt W. Rudolph
Terry L. Bush
1995 – Carlos A. Dengo
Michael C. Corey
1996 – Charles Kerans
F. Jerry Lucia
Rainer K. Senger
1997 – F. Jerry Lucia
1998 – Ulisses Thibes Mello
Garry D. Karner
1999 – John W. Robinson
Peter J. McCabe
2000 – Karla E. Tucker
Paul M. "Mitch" Harris
Richard C. Nolen-Hoeksema
2001 – Robert G. Loucks
2002 – John S. Bridge
Robert S. Tye
2003 – Roger J. Barnaby
Stephen C. Ruppel

Robert H. Dott, Sr., Memorial Award

The Robert H. Dott, Sr., Memorial Award (formerly the President's Award) is to honor and reward the authors of original articles published by the Association. Through 1979, the award was \$250 in cash for the best paper published by the Association during each calendar year. Beginning in 1980, the award was expanded to recognize both the best Bulletin article and the best special publication (when appropriate), with the cash award being \$250 in each category. In 1982, the cash award was increased to \$500 in each category, and the best Bulletin article was changed to the Wallace E. Pratt Memorial Award.

1945 – William E. Wallace
1946 – Horace G. Richards

1947 – Robert F. Walters
 1948 – L. L. Sloss
 W. M. Laird
 1949 – Sherman A. Wengerd
 1950 – F. M. Swain
 Frank Reedy, Jr.
 1951 – Walter B. Spangler
 Jahn J. Peterson
 1952 – Raymond Siever
 1953 – Donald F. Towse
 1954 – Charles C. Bates
 1955 – Paul V. Smith, Jr.
 1956 – J. Law
 Robert H. Dott, Jr.
 1957 – Robert H. Parker
 1958 – John C. Ludwick
 William R. Walton
 1959 – John M. Andrichuk
 1960 – Robert L. Folk
 1961 – Richard W. Fetzner
 1962 – J. G. C. M. Fuller
 1963 – P. G. Temple
 L. J. Pery
 1964 – James M. Forgotson, Jr.
 1965 – Harry V. Spooner, Jr.
 1966 – Dietrich H. Welte
 1967 – No Recipient
 1968 – Ghansham D. Sharma
 1969 – Leo F. LaPorte
 1970 – Ernst Cloos
 1971 – Peter Lehner
 1972 – Hollis D. Hedberg
 1973 – Mason L. Hill
 1974 – Rufus J. LeBlanc
 1975 – Ronald E. Wilcox
 Tod P. Harding
 Donald R. "Don" Seely
 1976 – Daniel A. Busch
 1977 – Edgar W. Owen
 1978 – Tod P. Harding
 1979 – Robert M. Mitchum, Jr.
 Peter R. Vail
 John B. Sangree
 1980 – *Bulletin*
 Brian D. Evamy
 Jean Haremboure
 Peter Kamerling
 William A. Knapp
 Felix A. Molloy
 Paul H. Rowlands
 Special Publication
 Peter A. Scholle
 1981 – *Bulletin*
 Michael A. Arthur
 Seymour O. Schlanger
 Special Publication
 Peter A. Scholle
 1982 – *Special Publication*
 Robert J. Cordell
 William H. Roberts, III
 1983 – Michel T. Halbouty
 1984 – George B. Asquith
 1985 – Albert W. Bally
 1986 – Gerard Demaison
 Roelof J. Murriss
 1987 – Orville Roger Berg

Donald G. Woolverton
 1988 – James A. Peterson
 1989 – Albert W. Bally
 1990 – Peter A. Ziegler
 1991 – Anthony J. Tankard
 Hugh R. Balkwill
 1992 – John C. Van Wagoner
 Robert M. Mitchum, Jr.
 Kirt M. Campion
 Victor David Rahmanian
 1993 – Kevin Thomas Biddle
 1994 – Roger W. Macqueen
 Dale A. Leckie
 1995 – Diana Morton-Thompson
 Arnold B. Woods
 1996 – Leslie B. Magoon
 Wallace G. Dow
 1997 – Anthony Tankard
 Ramiro Suárez Soruco
 Herman J. A. Welsink
 1998 – Martin P. A. Jackson
 David G. Roberts
 Sigmund Snelson
 1999 – Ronald C. Surdam
 2000 – Ben E. Law
 Gregory F. Ulmishek
 Vyacheslav I. Slavin
 2001 – John F. Jordan
 Richard A. Schatzinger
 2002 – Marcio R. Mello
 Barry J. Katz
 2003 – Marlan W. Downey
 William A. Morgan
 Jack C. Threert

J. C. "Cam" Sproule Memorial Award

The J. C. "Cam" Sproule Memorial Award is to honor and reward the younger authors of papers on petroleum geology. It is awarded to a member of the Association, 35 years of age or younger at the time of submittal, whose paper, published in any publication of the Association or an affiliated society, division, or section, is sufficiently outstanding and is judged to be the best contribution to petroleum geology by a person of those qualifications during that year. The cash award is \$500.

1974 – Aston F. Embry III
 1975 – Clifton F. "Cliff" Jordan, Jr.
 1976 – Paul Hoffman
 1977 – W. R. Moore
 1978 – Myron W. Payne
 1979 – Peter A. Scholle
 1980 – Richard S. Bishop
 1981 – Tim T. Schowalter
 1982 – Douglas W. Waples
 1983 – Marc B. Edwards
 1984 – Judith Totman Parrish
 1985 – Martin P. A. Jackson

Steven J. Seni
 1986 – Martha O. Withjack
 Daryl Jill D. Pollock
 1987 – Stephan Alan Graham
 Loretta Ann Williams
 1988 – Shankar Mitra
 1989 – David W. Houseknecht
 1990 – Richard John Hubbard
 1991 – Donald A. Medwedeff
 1992 – Paul Weimer
 1993 – Bradford E. Prather
 1994 – Bradford E. Prather
 1995 – Robert D. Walters
 1996 – Isabel Patricia Montañez
 1997 – Laurel B. Alexander
 Peter B. Flemings
 1998 – Scott W. Tinker
 1999 – Andrew David Hindle
 2000 – Sebastián Galeazzi
 2001 – Antony Reynolds
 2002 – Lesli J. Wood

George C. Matson Award

The George C. Matson Award is made to the speaker presenting before the annual convention of the American Association of Petroleum Geologists that paper which is judged to be best. Papers are judged by the Matson Award Committee on the basis of both scientific quality of content and excellence in presentation. The name of the Matson Award winner is engraved on a large, beautiful silver cup provided by the Matson family. The recipient also receives a plaque on which an engraved miniature replica of the silver cup is displayed. Anyone named as Matson Award winner at three annual conventions is given permanent possession of the large silver trophy.

1957 – John A. Masters
 1958 – James W. Gwinn
 1959 – Daniel A. Busch
 1960 – Harold W. Owens
 1961 – Horace D. Thomas
 1962 – Eric A. Rudd
 1963 – John Drummond Moody
 1964 – William R. Muehlberger
 1965 – Gordon I. Atwater
 1966 – Lloyd C. Pray
 1967 – Max G. Pitcher
 1968 – Charles A. Biggs, Jr.
 1969 – Arthur A. Meyerhoff
 1970 – Douglas J. Shearman
 1971 – H. O. Woodbury
 1972 – H. E. Cook
 R. P. Nixon
 1973 – Leigh C. Price
 1974 – N. A. Anstey
 1975 – Leigh C. Price
 1976 – Curtis C. Humphris, Jr.

- 1977 – Stephen G. Franks
- 1978 – Colin Barker
- 1979 – Philip H. H. Nelson
- 1980 – Robert G. Todd
Peter R. Vail
- 1981 – Roger K. McLimans
- 1982 – Colin Barker
- 1983 – Clemon H. Bruce
- 1984 – Thomas J. Schull
- 1985 – Ralph S. Kerr
- 1986 – Lisa M. Pratt
- 1987 – James Francis Dolan
- 1988 – Jon F. Blickwede, Sr.
- 1989 – Ian E. Hutcheon
- 1990 – Martin P. A. Jackson
- 1991 – Michael D. Lewan
- 1992 – John Richard Underhill
- 1993 – P. Joe Hamilton
- 1994 – Steven G. Henry
- 1995 – Kenneth J. Thies
- 1996 – James P. DiSiena
- 1997 – Mark B. Allen
- 1998 – Joachim E. Amthor
- 1999 – Martha Oliver Withjack
- 2000 – Wafik Beydoun
- 2002 – Henry W. Posamentier
- 2003 – Mark Cooper
Richard G. Harris

Jules Braunstein Memorial Award

The Jules Braunstein Memorial Award recognizes the author(s) of the best AAPG poster session paper presented at the annual convention. Funded by the Gulf Coast Association of Geological Societies to honor Mr. Braunstein, who recommended and arranged for the first poster session at the 1976 AAPG Annual Meeting, it is an attractive engraved walnut plaque and a cash award of \$500.

- 1984 – Dale S. Sawyer
- 1985 – Richardson B. Allen
Jeffrey Feehan
Jeff Gernand
Miguel Giraut
Bruce H. Nickelsen
- 1986 – John R. Suter
Henry R. Berryhill
- 1987 – Alan Ronald Daly
Janell Diane Edman
- 1988 – John C. Lorenz
Sharon J. Finley
David I. Norman
- 1989 – Alan C. Kendall
Gill M. Harwood
- 1990 – L. M. "Mike" Grace
Paul Edwin Potter
R. Gordon Pirie
- 1991 – Kate S. Weissenburger
- 1992 – Erik R. Lundin
- 1993 – Jesús Maguregui Solaguren

- 1994 – Rob B. Leslie
- 1995 – John R. Sutter
Kevin M. Bohacs
- 1996 – Cynthia L. Blankenship
Douglas A. Stauber
David S. Epps
Chuck Guderjahn
John D. Oldroyd
- 1997 – James C. Niemann
- 1998 – Hege Mait Nordgård Bølas
Christian Hermanrud
Eirik Vik
Britta Paasch
- 1999 – Eloise Doherty
Stephen E. Laubach
- 2000 – Brad E. Prather
Joseph R. Straccia
- 2002 – Martin K. Dubois
Alan P. Byrnes
W. Lynn Watney
- 2003 – Vitor Dos Santos Abreu
Thomas David De Brock
Kendall Meyers
Dag Nummedal
Steven L. Pierce
William A. Spears

Journalism Award

The Journalism Award is given to any suitable person in recognition of notable journalistic achievement in communications by any medium that contributes to public understanding of geology and the technology of oil and gas exploration. The award is a walnut plaque bearing the words, "For notable journalistic achievement in communications contributing to public understanding of geology." The recipient need not be a member of the Association.

- 1972 – James A. Clark
- 1973 – No Recipient
- 1974 – Max B. Skelton
- 1975 – William D. Smith
- 1976 – No Recipient
- 1977 – Philip H. Abelson
- 1978 – No Recipient
- 1979 – No Recipient
- 1980 – Walter Sullivan
- 1981 – No Recipient
- 1982 – John McPhee
- 1983 – Ron Redfern
- 1984 – James A. Michener
- 1985 – No Recipient
- 1986 – David Attenborough
Richard Gore
- 1987 – John McPhee
- 1988 – No Recipient
- 1989 – Horst Heise
Stephen Schwochow
- 1990 – William Rintoul
- 1991 – Robert T. Bakker
- 1992 – Richard F. "Rick" Williamson

- Daniel Yergin
- 1993 – Stephen Jay Gould
- 1994 – John R. Horner
- 1995 – Wallace R. Hansen
- 1996 – Lee C. Gerhard
Linda Davis Harrar
- 1997 – Donald L. Baars
John Paul Pitts
- 1998 – Walter Alvarez
- 1999 – Sarah Andrews
- 2000 – Walter Youngquist
- 2001 – Mountain Press
- 2002 – No Recipient
- 2003 – Ron Redfern
Simon Winchester

A. I. Levorsen Memorial Award

The A. I. Levorsen Memorial Award was established as the result of contributions from many individuals and societies who wished to contribute a lasting memorial to A. I. Levorsen. A plaque is given at the regional meetings of the sections of the American Association of Petroleum Geologists for the best paper, with particular emphasis on creative thinking toward new ideas in exploration. The papers are judged by committees established for each meeting and are presented through the local A. I. Levorsen Memorial Award Committee.

Only the authors presenting winning papers are recipients of the Levorsen Award. Their names are shown below in bold type, with their co-authors listed in regular type.

Eastern Section

- 1972 – **Sigmund Snelson**
- 1973 – **C. F. Upshaw**
- 1974 – **Douglas G. Patchen**
Richard Smosna
H. Buchanan
- 1975 – **B. Charlotte Schreiber**
R. Catalano
E. Schreiber
- 1976 – **G. R. Keller**
R. K. Soderberg
M. L. Ammerman
A. E. Bland
- 1977 – No Recipient
- 1978 – **Richard Smosna**
Douglas G. Patchen
- 1979 – **Mark W. Presley**
- 1980 – **Robert M. Cluff**
- 1981 – **A. B. Watts**
M. S. Steckler
- 1982 – **Vance P. Wiram**
- 1983 – **Howard R. Schwalb**
- 1984 – **Robert A. Sedivy**
Ralph Burwood
Gary A. Cole
Richard J. Drozd

Henry I. Halpern
 1985 – **Helen M. Sestak**
 1986 – **Karen Rose Cercone**
 1987 – **Brian D. Keith**
 1988 – **Richard Smosna**
 J. M. Conrad
 T. C. Maxwell
 1989 – **Dennis R. Swager**
 Neil F. Hurley
 1990 – **Bruce V. Sanford**
 A. C. Grant
 1991 – **James W. Castle**
 1992 – **Lisa K. Goetz**
 J. Gary Tyler
 Roger L. Macarevich
 David L. Brewster
 Jagadeesh R. Sonnad
 1993 – **Robert E. Davis**
 1994 – **Stephen F. Nowaczewski**
 1995 – **Nicholas B. Harris**
 1996 – **James A. Drahovzal**
 1997 – **Robert Marc Bustin**
 C. R. Clarkson
 1998 – **T. Joshua Stark**
 Lawrence H. Wickstrom
 1999 – **David G. Morse**
 2000 – **John R. Hogg**
 2001 – **James A. Drahovzal**
 Lawrence H. Wickstrom
 Timothy R. Carr
 John A. Rupp
 Beverly Seyler
 Scott W. White

Gulf Coast Section

1966 – **B. J. Sloane, Jr.**
 1967 – **Hunter Yarborough, Jr.**
 1968 – **John D. Myers**
 1969 – **James K. Rogers**
 1970 – **John J. Amoruso**
 1971 – **Hunter Yarborough, Jr.**
 1972 – **Robert R. Berg**
 1973 – **James M. Coleman**
 L. D. Wright
 1974 – **Donald H. Kupfer**
 1975 – **John D. Myers**
 1976 – **Arthur R. Troell**
 J. D. Robinson
 1977 – **David K. Davies**
 William R. Almon
 1978 – **Charles T. Siemers**
 1979 – **Robert R. Berg**
 1980 – **Ernest A. Mancini**
 1981 – **Edward C. Roy, Jr.**
 Mark Eidelbach
 Nancy Trumbly
 1982 – **Thomas E. Ewing**
 S. Christopher Caran
 1983 – **John W. Cagle**
 M. Ali Khan
 1984 – **Gary L. Kinsland**
 1985 – **William E. Galloway**
 1986 – **Shirley P. Dutton**
 1987 – **Shirley P. Dutton**
 Robert J. Finley
 Karen L. Herrington

1988 – **Ian Lerche**
 John J. O'Brien
 1989 – **Peter J. Hutchinson**
 1990 – **Michael P. Prescott**
 1991 – **Andrew J. Davidoff**
 1992 – **Harry H. Roberts**
 Douglas J. Cook
 Mark K. Sheedlo
 1993 – **Wayne Carew**
 Glenn L. Krum
 Paul F. Ostendorf
 1994 – **John A. Rhodes**
 1995 – **Mary J. Broussard**
 Brian E. Lock
 1996 – **David J. Hall**
 1997 – **Brad A. Robison**
 Roco Detomo, Jr.
 R. David Garner
 Arie Speksnijder
 Michael J. Styzen
 1998 – **Thomas E. Ewing**
 1999 – **William C. Dawson**
 William R. Almon
 2000 – **Fuping Zhu**
 Richard L. Gibson, Jr.
 Joel S. Watkins
 Sung H. Yuh
 2001 – **Kevin B. Hill**

Mid-Continent Section (Biennial Meetings)

1967 – **Philip C. Withrow**
 1969 – **Thomas R. Cambridge**
 1971 – **Terrence J. Donovan**
 1973 – **Thomas W. Amsden**
 1975 – **W. J. Ebanks, Jr.**
 1977 – **D. W. Stearns**
 1979 – **Donald C. Swanson**
 1981 – **David W. Houseknecht**
 Anthony T. Iannacchione
 Mark A. Kuhn
 Albert P. Matteo
 David J. Steyaert
 John F. Zaengle
 1983 – **David Gagliardo**
 1985 – **J. Reed Lyday**
 1987 – **David W. Houseknecht**
 Lori A. Hathon
 1989 – **Edward D. Pittman**
 Laura L. Wray
 1991 – **William A. Miller**
 Gregory L. Brown
 Emily M. Hundley-Goff
 Steven L. Veal
 1993 – **Robert J. Weimer**
 1995 – **R. Nowell Donovan**
 1997 – **Jerry G. McCaskill, Jr.**
 1999 – **Kenneth S. Johnson**
 2001 – **Michael Bruemmer**
 Monica Turner-Williams
 Wan Yang

Pacific Section

1968 – **David W. Scholl**
 David M. Hopkins
 H. Gary Greene
 Edwin E. Buffington
 1969 – **Robert F. Dill**

1970 – **John W. Harbaugh**
 1971 – No Recipient
 1972 – **M. Keith Scribner**
 Stanford Eschner
 1973 – No Recipient
 1974 – **John A. Minch**
 1975 – **David R. Butler**
 1976 – **D. L. Ziegler**
 John H. Spotts
 1977 – **David W. Scholl**
 Alan K. Cooper
 1978 – **William R. Dickinson**
 Alan K. Cooper
 1978 – **William R. Dickinson**
 Raymond V. Ingersoll
 1979 – **C. Elizabeth Koch**
 1980 – **Lee F. Krystinik**
 1981 – No Recipient
 1982 – **Margaret A. Keller**
 1983 – **Richard P. Thomas**
 1984 – **John N. Thomson**
 Richard G. Blake
 Richard W. Boyd
 1985 – **Ronald C. Crane**
 1986 – **R. E. Chamberlain**
 Victor M. Madrid
 1987 – No Recipient
 1988 – **James C. Ingle, Jr.**
 1989 – **Donald D. Miller**
 Thomas E. Covington
 John G. McPherson
 1990 – No Recipient
 1991 – **John M. Lohmar**
 Scott R. Morgan
 1992 – **Donald A. Medwedeff**
 Joseph T. C. Lin
 Timothy R. Carr
 John M. Stafford
 1993 – **Robert A. Horton, Jr.**
 1994 – **Michael D. Campbell**
 Walter E. Reed
 1995 – **Ronald C. Crane**
 1996 – No Recipient
 1997 – **Joseph A. Nahama**
 Rod Nahama
 1998 – **Michael F. Ponek**
 A. G. Mathews
 1999 – **Brian J. Casey**
 2000 – **Dalton F. Lockman**
 Philip Cervený
 Dana Coffield
 Russell Davies
 Graham Dudley
 Richard Fox
 Rop Knipe
 Robert Krantz
 Stephen Lewis
 2001 – **Michael J. Richey**

Rocky Mountain Section

1966 – **Lloyd C. Pray**
 Philip W. Choquette
 1967 – **Frank A. Exum**
 John C. Harms
 1968 – No Recipient
 1969 – **James E. Fassett**

- 1970 – No Recipient
 1971 – **Richard W. Volk**
 1972 – **Robert J. Weimer**
 1973 – **Esther R. Jamieson Magathan**
Lyle A. Hale
 1974 – **Fred Meissner**
 1975 – **Donald E. Owen**
 1976 – **John P. Lockridge**
 1977 – **William E. Galloway**
 1978 – **Randi S. Martinsen**
 R. W. Tillman
 1979 – **Henry W. Roehler**
 1980 – **Norman H. Foster**
 Edward D. Dolly
 1981 – **Charles W. Spencer**
 Ben E. Law
 1982 – **Mark W. Longman**
 Thomas G. Fertal
 James S. Glennie
 1983 – **James R. Steidtmann**
 Linda C. McGee
 Larry Middleton
 1984 – **Gary C. Mitchell**
 1985 – **Robbie R. Gries**
 1986 – **Thomas A. Ryer**
 Edmund R. Gustason
 Sarah K. Odland
 1987 – **Alan K. Chamberlain**
 1988 – **Jerry L. Clayton**
 J. David King
 Joel S. Leventhal
 Carlos M. Lubeck
 Ted A. Daws
 1989 – **Edmund R. Gustason**
 1990 – **John C. Lorenz**
 1991 – **Michael L. Hendricks**
 1992 – **Arnold Wood**
 1993 – **Eric H. Johnson**
 1995 – **Thomas A. Ryer**
 Paul B. Anderson
 1996 – **Michael L. Hendricks**
 1997 – **Lawrence A. McPeck**
 George E. Newman
 M. Ray Thomasson
 1998 – **No Recipient**
 1999 – **Kurt N. Constenius**
 2000 – **Laird B. Thompson**
 Peter H. Hennings

Southwest Section

- 1968 – **Donald C. Swanson**
 1969 – **Karl W. Klement**
 1970 – **Edward R. Tegland**
 1971 – **Daniel A. Busch**
 1972 – **Orville L. Bandy**
 1973 – **John J. Amoruso**
 1974 – **Ralph L. Horak**
 1975 – No Recipient
 1976 – **Robert R. Berg**
 M. H. Mitchell
 1977 – **Clayton S. Valder, Jr.**
 1978 – **Stephen E. Collings**
 1979 – **James O. Lewis**
 1980 – **David Austin Jones**
 Jack H. Kelsey
 1981 – **Naresh Kumar**
 Jack Dolph Foster

- 1982 – **Craig D. Caldwell**
 John P. Hobson, Jr.
 Donald F. Toomey
 1983 – **S. J. Mazzullo**
 1984 – **Dean C. Hamilton**
 1985 – **Robert Berg**
 John T. Leethem
 1986 – **S. J. Mazzullo**
 Alastair M. Reid, II
 Sue Tomlinson Reid
 1987 – **Edwin Pinero**
 Ronald D. Kreisa
 1988 – **Terence L. Britt**
 1989 – **John L. Thoma**
 1990 – **Louis J. Mazzullo**
 1991 – **Arthur W. Cleaves**
 1992 – **J. F. "Rick" Sarg**
 1993 – **David Childers**
 Mark W. Shuster
 1994 – **Salvatore J. Mazzullo**
 1995 – **John M. Armentrout**
 1996 – **George B. Asquith**
 1997 – **Donald C. Swanson**
 1998 – **Greg A. Norman**
 1999 – **Louis J. Mazzullo**
 2000 – **Shirley P. Dutton**
 Mark D. Barton
 William A. Flanders
 Helena H. Zirczy
 2001 – **Bob A. Hardage**

Distinguished Achievement Award

The Distinguished Achievement Award is presented at International Meetings to members who have distinguished themselves through service and devotion to the science and profession of petroleum geology.

- 1992 – Eric A. Rudd
 1993 – James (Jim) Brooks
 Anibal R. Martínez
 Koenraad J. Weber
 1994 – Li Desheng
 1995 – Bernard C. Duval
 Alain Perrodon
 Roelof J. Murriss
 1996 – Roberto A. Leigh
 Claus Heinrich Graf
 1997 – John R. V. Brooks
 1998 – Hans H. Krause
 Marcio Rocha Mello
 1999 – Wolfgang Schlager
 2000 – Walter P. Grün

Special Commendation Award

The Special Commendation Award is presented at International Meetings to members who have distinguished themselves in singular and beneficial long-

term service to the profession.

- 1992 – Phillip E. Playford
 1993 – Mateu Esteban
 Lucien Montadert
 Wolfgang Schlager
 1994 – Charles S. Hutchison
 Murray Johnstone
 G.A.S. Nayoan
 Khalid Ngah
 R. Prajatna Koesoemadinata
 1995 – Kenneth Jinghwa Hsü
 David A. L. Jenkins
 A. John Martin
 Peter A. Ziegler
 1996 – Maria A. Lorente
 Carlos Maria Urien
 Rafael Sanchez-Montes de Oca
 Pablo Cruz-Helu
 1997 – John George Kaldi
 Frank Horvath
 David G. Roberts
 Emiliano Mutti
 Walter P. Grün
 1998 – Paul Mosmann
 Edward G. Purdy
 Celso Fernando Lucchesi
 1999 – Richard Hardman
 Jean Dercourt
 Abdulla A. Al-Naim
 2000 – Peter Lloyd
 Dietrich Welte

Ziad Beydoun Memorial Award

The Ziad Beydoun Memorial Award (formerly the Best International Poster Award) is given to the author(s) of the best AAPG poster session paper presented at the AAPG International Conference.

- 1991 – A. Ewan Campbell
 Jan Staffleu
 1992 – John M. Armentrout
 Lei-KuangLeu
 Jorge J. Faz
 1993 – Richard Wrigley
 1994 – Zainuddin Yusoff
 1995 – Claude Guyot
 Andre Coajou
 A. Ribeiro
 1996 – Leon J. Aden
 Robert E. Bierley
 1997 – Rémi Eschard
 Olivier Lerat
 Didier Granjeon
 Brigitte Doligez
 Guy Desaubliaux
 François Lafont
 1998 – Stanley T. Paxton
 Gary C. Stone
 Barbara L. Faulkner
 1999 – Joseph M. Finneran
 Yatindranath Keith Bally

2000 – Richard Hillis
2001 – No Recipient

Gabriel Dengo Memorial Award

The Gabriel Dengo Memorial Award (formerly the Best International Paper Award) is given to the speaker presenting, before the AAPG International Conference, the paper judged to be the best, as determined by a judging committee, based on both scientific quality of content and excellence in presentation.

1991 – Frank J. Picha
1992 – P. Joe Hamilton

1993 – Chris Clayton
1994 – John Van Wagoner
1995 – Martin Schoell
1996 – John O’Leary
1997 – Peter R. Rose
1998 – Kevin M. Bohacs
1999 – Rob J. Knipe
2000 – Alfredo E. Prelat
2001 – No Recipient

Teacher of the Year Award

The Teacher of the Year Award is given to a K–12 teacher for “Excellence in the Teaching of Natural Resources in the Earth Sciences.” Nominations are submit-

ted by AAPG Affiliated Societies and Sections, with the final selection made by a subcommittee of the AAPG Youth Education Activities Committee. Funded by the AAPG Foundation, the winning teacher’s school is given \$2,500 for the teacher’s use in the classroom, and the teacher also receives \$2,500 cash, plus an expense paid trip to the next AAPG Annual Meeting to receive the award.

1996 – Jane Justus Frazier
1997 – No Recipient
1998 – No Recipient
1999 – Herbert L. Turner
2000 – Peggy Lubchenco
2001 – John McKinney

AAPG Executive Committees

Term	President	Vice President	Secretary-Treasurer	Editor
1917–18	J. Elmer Thomas*	Alexander Deussen*	Maurice G. Mehl*	Charles H. Taylor*
1918–19	Alexander Deussen*	I. C. White*	William E. Wrather*	Charles H. Taylor
1919–20	I. C. White*	Irving Perrine*	Charles E. Decker*	Charles H. Taylor
1920–21	Wallace E. Pratt*	Alex W. McCoy*	Charles E. Decker	Raymond C. Moore*
1921–22	George C. Matson*	George C. Gester*	Charles E. Decker	Raymond C. Moore
1922–23	William E. Wrather*	Max W. Ball*	Charles E. Decker	Raymond C. Moore
1923–24	Max W. Ball*	Frank W. DeWolf*	Charles E. Decker	Raymond C. Moore
1924–25	James H. Gardner*	Earl G. Gaylord*	Charles E. Decker	Raymond C. Moore
1925–26	E. L. DeGolyer*	R. S. McFarland*	Charles E. Decker	Raymond C. Moore
1926–27	Alex W. McCoy*	C. R. McCollom*	Fritz L. Aurin*	John L. Rich*
1927–28	George C. Gester*	Luther H. White*	David Donoghue*	John L. Rich
1928–29	R. S. McFarland*	John E. Elliott*	David Donoghue	John L. Rich
1929–30	J. Y. Snyder*	Fred H. Kay*	A. Rodger Denison*	Frederic H. Lahee*
1930–31	Sidney Powers*	Ralph D. Reed*	Marvin Lee*	Frederic H. Lahee
1931–32	L. P. Garrett*	L. Courtney Decius*	Frank R. Clark*	Frederic H. Lahee
1932–33	Frederic H. Lahee*	Robert J. Riggs*	William B. Heroy, Sr.*	Ralph D. Reed*
1933–34	Frank R. Clark*	George Sawtelle*	William B. Heroy, Sr.	Luther C. Snider*
1934–35	William B. Heroy, Sr.*	E. B. Hopkins*	Monroe G. Cheney*	Luther C. Snider
1935–36	A. I. Levorsen*	Frank A. Morgan*	E. C. Moncrief*	Luther C. Snider
1936–37	Ralph D. Reed*	C. E. Dobbin*	Charles H. Row*	Luther C. Snider
1937–38	Herbert B. Fuqua*	Clarence E. Moody*	Ira H. Cram, Sr.*	W. A. Ver Wiebe*
1938–39	Donald C. Barton*	Harold W. Hoots*	Ira H. Cram, Sr.*	W. A. Ver Wiebe
1939–40	Henry A. Ley*	L. M. Neumann*	Edgar W. Owen*	W. A. Ver Wiebe
1940–41	Luther C. Snider*	John M. Vetter*	Edgar W. Owen	W. A. Ver Wiebe
1941–42	Edgar W. Owen*	Earl B. Noble*	E. O. Markham*	W. A. Ver Wiebe
1942–43	Fritz L. Aurin*	Paul Weaver*	E. O. Markham	W. A. Ver Wiebe
1943–44	A. Rodger Denison*	Robert W. Clark*	Robert E. Rettger*	Carey Croneis*
1944–45	Ira H. Cram, Sr.*	Warren B. Weeks*	Robert E. Rettger	Gayle Scott*
1945–46	Monroe G. Cheney*	M. Gordon Gully*	Edward A. Koester*	Gayle Scott
1946–47	Earl B. Noble*	D. Perry Olcott*	Edward A. Koester	Gayle Scott
1947–48	C. E. Dobbin*	George S. Buchanan*	J. V. Howell*	Clarence L. Moody*
1948–49	Paul Weaver*	Roy M. Barnes*	J. V. Howell	Clarence L. Moody
1949–50	C. W. Tomlinson*	Theodore A. Link*	Henry N. Toler*	Alfred H. Bell*
1950–51	Clarence L. Moody*	John E. Adams*	Henry N. Toler	Alfred H. Bell
1951–52	Frank A. Morgan*	Lewis G. Weeks*	Robert H. Dott, Sr.*	Kenneth K. Landes*
1952–53	Morgan J. Davis, Sr.*	John G. Bartram*	John W. Clark*	Kenneth K. Landes
1953–54	John E. Adams*	Leslie M. Clark*	Elliott H. Powers	Armand J. Eardley*

*Deceased

Term	President	Vice President	Secretary-Treasurer	Editor
1954-55	Edward A. Koester*	Graham B. Moody*	Elliott H. Powers	Armand J. Eardley
1955-56	G. Moses Knebel*	Horace D. Thomas*	W. A. Waldschmidt	William C. Krumbein*
1956-57	Theodore A. Link*	Ben H. Parker*	W. A. Waldschmidt	William C. Krumbein
1957-58	Graham B. Moody*	B. Warren Beebe*	William J. Hilsweck*	Sherman A. Wengerd*
1958-59	George S. Buchanan*	Gordon I. Atwater*	Harold T. Morley*	Sherman A. Wengerd
1959-60	Lewis G. Weeks*	Alfred H. Bell*	Harold T. Morley	Grover E. Murray
1960-61	Ben H. Parker*	Frank B. Conselman*	George V. Cohee*	Grover E. Murray
1961-62	Mason L. Hill*	J. Ben Carsey*	George V. Cohee	Grover E. Murray
1962-63	Robert E. Rettger*	Orlo E. Childs*	Robert E. King*	Grover E. Murray
1963-64	John C. Sproule*	Thomas H. Philpott	Robert E. King	John C. Hazard*
1964-65	Grover E. Murray	William H. Curry, Jr.	George C. Hardin, Jr.*	John C. Hazard
1965-66	Orlo E. Childs*	John M. Parker	George C. Hardin, Jr.	John C. Hazard
1966-67	Michel T. Halbouty	Daniel A. Busch	John D. Moody*	John C. Hazard
1967-68	J. Ben Carsey*	Eduardo J. Guzman*	John D. Moody	John D. Haun
1968-69	Frank B. Conselman*	John E. Kilkenny*	James M. Forgotson, Jr.	John D. Haun
1969-70	Kenneth H. Crandall*	Willis G. Meyer*	James M. Forgotson, Jr.	John D. Haun

Term	President	Vice President	President-Elect	Secretary
1970-71	William H. Curry, Jr.	J. M. Browning	Sherman A. Wengerd*	James R. Jackson, Jr.
1971-72	Sherman A. Wengerd*	John A. Taylor	James E. Wilson, Jr.	Ted L. Bear
1972-73	James E. Wilson, Jr.	Samuel P. Ellison, Jr.	Daniel A. Busch	Ted L. Bear
1973-74	Daniel A. Busch	August Goldstein, Jr.	Merrill W. Haas	Bernold M. "Bruno" Hanson*
1974-75	Merrill W. Haas	Duncan A. McNaughton*	John E. Kilkenny*	Bernold M. "Bruno" Hanson
1975-76	John E. Kilkenny*	Frank C. Crawford*	John D. Moody*	Robey H. Clark
1976-77	John D. Moody*	Ralph L. Miller*	Edd R. Turner*	Robey H. Clark
1977-78	Edd R. Turner*	Edwin P. Kerr	Robert D. Gunn	John J. Amoruso
1978-79	Robert D. Gunn	Thomas D. Barber	John D. Haun	John J. Amoruso
1979-80	John D. Haun	D. Keith Murray	Robey H. Clark	Donald R. Boyd*
1980-81	Robey H. Clark	Eugene F. Reid	Frank W. Harrison, Jr.	Donald R. Boyd
1981-82	Frank W. Harrison, Jr.	John L. Severson	John M. Parker	James A. Hartman
1982-83	John M. Parker	John P. Lockridge	John J. Amoruso	James A. Hartman
1983-84	John J. Amoruso	Robert D. Cowdery	Ted L. Bear	James A. Gibbs
1984-85	Ted L. Bear	Gerald M. Friedman	William L. Fisher	James A. Gibbs
1985-86	William L. Fisher	Clemont H. Bruce*	Bernold M. "Bruno" Hanson	Richard R. Bloomer
1986-87	Bernold M. "Bruno" Hanson*	James M. Forgotson, Jr.	Lawrence W. Funkhouser	Richard R. Bloomer
1987-88	Lawrence W. Funkhouser	Jerome J. C. Ingels	Norman H. Foster*	Michael E. Hriskevich
1988-89	Norman H. Foster*	John W. Shelton	James O. Lewis, Jr.	Michael E. Hriskevich
1989-90	James O. Lewis, Jr.	John W. Harbaugh	James A. Gibbs	Arthur M. Van Tyne
1990-91	James A. Gibbs	David G. Campbell	Robert J. Weimer	Arthur M. Van Tyne
1991-92	Robert J. Weimer	Donald W. Axford	Harrison L. Townes	Richard S. Bishop
1992-93	Harrison L. Townes	Donald L. Ziegler	Don F. Tobin	Richard S. Bishop
1993-94	Don F. Tobin	Robert G. Lindblom	A. T. (Toby) Carleton	G. Warfield Hobbs
1994-95	A. T. (Toby) Carleton	Stewart Chuber	Eugene F. "Bud" Reid	G. Warfield Hobbs
1995-96	E. F. (Bud) Reid	Stephen A. Sonnenberg	Robert D. Cowdery	Robbie Gries
1996-97	Robert D. Cowdery	David A. L. Jenkins	Edward K. David	Robbie Gries
1997-98	Edward K. David	Roy D. Nurmi	Richard S. Bishop	Elizabeth B. Campen
1998-99	Richard S. Bishop	Martha Lou Broussard	M. Ray Thomasson	Elizabeth B. Campen
1999-00	M. Ray Thomasson	Carl J. Smith	Marlan W. Downey	Charles R. Noll
2000-01	Marlan W. Downey	Ronald A. Nelson	Robbie Rice Gries	Charles R. Noll
2001-02	Robbie R. Gries	Donald W. Lewis	Daniel L. Smith	Charles J. Mankin
2002-03	Dan L. Smith	Peter M. Lloyd	Stephen A. Sonnenberg	Charles J. Mankin

Term	Treasurer	Editor	Chairman, House of Delegates
1970-71	William B. Heroy, Jr.	John D. Haun	George R. Gibson
1971-72	William B. Heroy, Jr.	Frank E. Kottlowski	George C. Hardin, Jr.*
1972-73	Fred A. Dix, Jr.	Frank E. Kottlowski	Herbert G. Davis
1973-74	Edd R. Turner, Jr.*	Frank E. Kottlowski	Robert J. Gutru
1974-75	George C. Grow, Jr.	Frank E. Kottlowski	Hugh N. Frenzel*
1975-76	George C. Grow, Jr.	John W. Shelton	Robert N. Hacker*
1976-77	George S. Galbraith*	John W. Shelton	John W. James*

*Deceased

Term	Treasurer	Editor	Chairman, House of Delegates
1977-78	George S. Galbraith	John W. Shelton	Harry A. Miller, Jr.
1978-79	George B. Pichel	John W. Shelton	J. Miller Goodger
1979-80	George B. Pichel	Myron K. Horn	Louis C. Bortz
1980-81	John S. Runge	Myron K. Horn	H. Victor Church*
1981-82	John S. Runge	Myron K. Horn	David G. Campbell
1982-83	Norman H. Foster*	Myron K. Horn	William H. Roberts, III*
1983-84	Norman H. Foster	Richard Steinmetz	Bruce O. Tohill
1984-85	John R. Kerns	Richard Steinmetz	A. T. (Toby) Carleton
1985-86	John R. Kerns	James A. Helwig	Larry D. Woodfork
1986-87	Anthony Reso	James A. Helwig	John L. Stout
1987-88	Anthony Reso	James A. Helwig	Martha Lou Broussard
1988-89	Paul M. Strunk	James A. Helwig	George A. Hillis
1989-90	Paul M. Strunk	Susan A. Longacre	Brenda K. Cunningham
1990-91	Edward K. David	Susan A. Longacre	John C. Osmond
1991-92	Edward K. David	Susan A. Longacre	Willard R. Green
1992-93	Susan M. Landon	Susan A. Longacre	Kenneth O. Seewald
1993-94	Susan M. Landon	Kevin T. Biddle	Gerald A. Cooley*
1994-95	Lee T. Billingsley	Kevin T. Biddle	Ed W. Heath
1995-96	Lee T. Billingsley	Kevin T. Biddle	Thomas Ahlbrandt
1996-97	Steven L. Veal	Kevin T. Biddle	Patrick J.F. Gratton
1997-98	Steven L. Veal	Neil F. Hurley	Daniel L. Smith
1998-99	Terry L. Hollrah	Neil F. Hurley	Tom Mairs
1999-00	Terry L. Hollrah	Neil F. Hurley	John R. Hogg
2000-01	Edward B. Picou, Jr.	Neil F. Hurley	Lowell K. Lischer
2001-02	Edward B. Picou, Jr.	John C. Lorenz	Edward D. Dolly
2002-03	Paul Weimer	John C. Lorenz	Terry L. Hollrah

*Deceased

Energy Minerals Division Executive Committees

Term	President	Vice President	Secretary-Treasurer
1977-78	Loyd A. Carlson	Warren H. Westphal	Ruffin I. Rackley
1978-79	Warren H. Westphal	Frederick R. Scheerer	Ruffin I. Rackley
1979-80	Frederick R. Scheerer	John A. Pederson	Robert L. Fuchs
1980-81	John A. Pederson	Samuel A. Friedman	Robert L. Fuchs
1981-82	Robert L. Fuchs	J. Henri N. Wennekers	Norbert E. Cygan
1982-83	Ruffin I. Rackley	Charles W. Berge	Norbert E. Cygan
1983-84	Charles W. Berge	Norbert E. Cygan	Edward C. Beaumont
1984-85	Norbert E. Cygan	Philip C. Goodell	Edward C. Beaumont
1985-86	Philip C. Goodell	D. Keith Murray	O. Jay Gatten
1986-87	D. Keith Murray	Frank E. Kottlowski	O. Jay Gatten
1987-88	Frank E. Kottlowski	Jeremy B. Platt	Sandra C. Feldman
1988-89	Jeremy B. Platt	Donald F. Towse	Sandra C. Feldman
1989-90	Donald F. Towse	Samuel A. Friedman	Sandra C. Feldman
1990-91	Samuel A. Friedman	Douglas C. Peters	Sandra C. Feldman
1991-92	Douglas C. Peters	Carl J. Smith	Frank D. Pruett
1992-93	Carl J. Smith	John W. Gabelman	Frank D. Pruett
1993-94	John W. Gabelman	Charles G. "Chip" Groat	Frank D. Pruett
1994-95	Charles G. "Chip" Groat	Gayle H. "Scott" McColloch	Frank D. Pruett
1995-96	Gayle H. "Scott" McColloch, Jr.	Carroll F. Knutson	Peter J. McCabe
1996-97	Carroll F. Knutson	Margaret Anne Rogers	Peter J. McCabe

Term	President	Vice President	Secretary	Treasurer
1997-98	Margaret Anne Rogers	Lawrence L. Brady	Samuel A. Friedman	Carroll F. Knutson

Term	President	Vice President	President-Elect	Secretary	Treasurer
1998-99	Lawrence L. Brady	Jack C. Pashin	Thomas E. Ewing	Brian J. Cardott	James C. Hower
1999-00	Thomas E. Ewing	Andrew R. Scott	Ronald L. Grubbs	Brian J. Cardott	Michael A. Wiley
2000-01	Ronald L. Grubbs	Brian J. Cardott	Andrew R. Scott	Alexander R. Papp	Michael A. Wiley
2001-02	Andrew R. Scott	Chacko J. John	Rebecca L. Dodge	Alexander R. Papp	Michael A. Wiley
2002-03	Rebecca L. Dodge	Alexander R. Papp	Chacko J. John	Walter B. Ayers, Jr.	Michael A. Wiley

*Deceased

Division of Professional Affairs Executive Committees

Term	President	Vice President	Secretary-Treasurer
1968-69	W. Dow Hamm*	Frank B. Conselman*	Willis G. Meyer
1969-70	George R. Gibson	John T. Rouse*	Ted L. Bear
1970-71	James O. Lewis, Jr.	John D. Sistrunk, Jr.	Bernold M. Hanson
1971-72	James O. Lewis, Jr.	John D. Sistrunk, Jr.	Bernold M. Hanson
1972-73	Ray C. Lewis	George C. Grow, Jr.	Karl E. Becker
1973-74	Ray C. Lewis	George C. Grow, Jr.	Karl E. Becker
1974-75	Don E. Lawson	Karl E. Becker	Frank C. Crawford
1975-76	Don E. Lawson	Karl E. Becker	Frank C. Crawford
1976-77	Lee H. Meltzer*	Frank L. Constant	Arthur L. Trowbridge
1977-78	Lee H. Meltzer	Frank L. Constant	Arthur L. Trowbridge
1978-79	Herbert G. Davis	Richard D. House	Donald R. Hembre
1979-80	Herbert G. Davis	Richard D. House	Donald R. Hembre
1980-81	Jerome J. C. Ingels	Charles A. Brinkley	George R. Bole
1981-82	Jerome J. C. Ingels	Charles A. Brinkley	George R. Bole
1982-83	Harry A. Miller, Jr.	Dougald H. Thamer	J. Miller Goodger
1983-84	Harry A. Miller, Jr.	Dougald H. Thamer	J. Miller Goodger

Term	President	Vice President	President-Elect	Secretary	Treasurer
1984-85	Dougald H. Thamer	Scott J. Lysinger	George R. Bole	Harry Ptasynski	John T. Isberg
1985-86	George R. Bole	William R. Speer	Scott J. Lysinger	John F. Partridge	John T. Isberg
1986-87	Scott J. Lysinger	James P. Rogers	Jack P. Martin	John F. Partridge	John E. Burke
1987-88	Jack P. Martin	Robert D. Cowdery	Harrison L. Townes	Owen C. Brown	John E. Burke
1988-89	Harrison L. Townes	Harold W. Hanke	Patrick J. F. Gratton	Owen C. Brown	Cecil R. Rives
1989-90	Patrick J. F. Gratton	J. Robert Wynne	James P. Rogers	W. Paul Buckthal	Cecil R. Rives
1990-91	James P. Rogers	Steven A. Sonnenberg	Robert D. Cowdery	W. Paul Buckthal	G. L. Jack Richards
1991-92	Robert D. Cowdery	H. Grady Collier, Jr.	Charles R. Noll, Jr.	Royce P. Carr	G. L. Jack Richards
1992-93	Charles R. Noll, Jr.	Lowell K. Lischer	Peter G. Gray	Royce P. Carr	William E. Diggs
1993-94	Peter G. Gray	Terry L. Hollrah	Willard R. Green	Michael R. Canich	William E. Diggs
1994-95	Willard R. Green	Robert T. Sellars, Jr.	Terry L. Hollrah	Michael R. Canich	Thomas E. Ewing
1995-96	Terry L. Hollrah	Royce P. Carr	Peter R. Rose	Jack H. West	Thomas E. Ewing
1996-97	Peter R. Rose	Thomas E. Davis	Robert T. Sellars, Jr.	Jack H. West	Richard D. Fritz

Term	President	Vice President	President-Elect	Secretary	Treasurer	Past President
1997-98	Robert T. Sellars, Jr.	Thomas E. Ewing	Stephen A. Sonnenberg	Charles E. (Gene) Mear	Richard D. Fritz	Peter R. Rose
1998-99	Stephen A. Sonnenberg	Richard G. Green	Robert W. Sabaté	Charles E. (Gene) Mear	Debra Rutan	Robert T. Sellars, Jr.
1999-00	Robert W. Sabaté	Robert C. Shoup	G. W. "Skip" Hobbs IV	Lee T. Billingsley	Debra Rutan	Stephen A. Sonnenberg
2000-01	G. W. "Skip" Hobbs IV	J. Michael Party	Royce P. Carr	Lee T. Billingsley	Suzanne Cluff	Robert W. Sabaté
2001-02	Royce P. Carr	Deborah K. Sacrey	Tom Mairs	Brenda K. Cunningham	Suzanne Cluff	G. W. "Skip" Hobbs IV
2002-03	Tom Mairs	Lee C. Gerhard	Bob Shoup	Deborah K. Sacrey	Dan J. Tearpock	Royce P. Carr

*Deceased

Division of Environmental Geosciences Executive Committees

Term	President	Vice President	Committee Member	Secretary-Treasurer	Editor
1992-93	Bernold M. Hanson	Susan C. Kiser	Thomas W. Rol	William G. Murray	Richard F. Meyer
Term	President	Vice President	President-Elect	Secretary-Treasurer	Editor
1993-94	Bernold M. Hanson	Bonnie B. Robinson	Lee C. Gerhard	James M. Waldron	Richard F. Meyer
1994-95	Lee C. Gerhard	Steven L. Veal	James L. Baer	James M. Waldron	Robert J. Menzie, Jr.
1995-96	James L. Baer	Stanley C. Grant	Larry D. Woodfork	M. Kathleen Vail	Robert J. Menzie, Jr.
1996-97	Larry P. Woodfork	Don Warner	Susan C. Kiser	M. Kathleen Vail	Robert J. Menzie, Jr.
1997-98	Susan C. Kiser	Michael "Doc" Weathers	Wm. G. Murray	Wm. E. Harrison	Robert J. Menzie, Jr.
1998-99	William G. Murray	Rima Petrossian	Steven L. Veal	Wm. E. Harrison	Stephen M. Testa
1999-00	Steven L. Veal	Peter J. Hutchinson	Michael "Doc" Weathers	Kenneth D. Vogel	Stephen M. Testa
2000-01	Michael "Doc" Weathers	Jane S. McColloch	William E. Harrison	Kenneth D. Vogel	Stephen M. Testa
2001-02	William E. Harrison	John A. Lopez	Robert J. Menzie	William Sarni	Stephen M. Testa
2002-03	Robert J. Menzie	Steven P. Tischer	Rima Petrossian	William Sarni	Gerald R. Baum

Annual Convention Locations and General Chairmen

Year	City	General Chairman	Year	City	General Chairman
1916	Norman, Oklahoma	Charles H. Taylor	1960	Atlantic City, New Jersey	Harry S. Ladd
1917	Tulsa, Oklahoma	F. R. Rees	1961	Denver, Colorado	Laurence Brundall
1918	Oklahoma City, Oklahoma	—	1962	San Francisco, California	Gordon B. Oakeshott
1919	Dallas, Texas	—	1963	Houston, Texas	William A. Thomas
1920	Dallas, Texas	—	1964	Toronto, Canada	William A. Roliff
1921	Tulsa, Oklahoma	M. M. Valerius	1965	New Orleans, Louisiana	Gordon I. Atwater
1922	Oklahoma City, Oklahoma	—	1966	St. Louis, Missouri	Clarence E. Brehm
1923	Shreveport, Louisiana	Ben K. Stroud	1967	Los Angeles, California	John E. Kilkenny
1924	Houston, Texas	Alexander Deussen	1968	Oklahoma City, Oklahoma	Edwin P. Kerr, Jr.
1925	Wichita, Kansas	Marvin Lee	1969	Dallas, Texas	William J. Hilsseweck
1926	Dallas, Texas	R. B. Whitehead	1970	Calgary, Canada	John M. Browning
1927	Tulsa, Oklahoma	M. M. Valerius	1971	Houston, Texas	Edd R. Turner, Jr.
1928	San Francisco, California	E. G. Gaylord	1972	Denver, Colorado	Robert J. Weimer
1929	Fort Worth, Texas	J. Elmer Thomas	1973	Anaheim, California	Arthur R. Weller
1930	New Orleans, Louisiana	W. W. Grimm	1974	San Antonio, Texas	M. O. Turner
1931	San Antonio, Texas	D. R. Semmes	1975	Dallas, Texas	Robert J. Cordell
1932	Oklahoma City, Oklahoma	Irving Perrine	1976	New Orleans, Louisiana	M. Gordon Frey
1933	Houston, Texas	Alexander Deussen	1977	Washington, D.C.	Richard F. Meyer
1934	Dallas, Texas	Clyde M. Bennett	1978	Oklahoma City, Oklahoma	Lee R. Riley
1935	Wichita, Kansas	E. C. Moncrief	1979	Houston, Texas	Anthony Reso
1936	Tulsa, Oklahoma	Frank Rinker Clark	1980	Denver, Colorado	John P. Lockridge
1937	Los Angeles, California	Frank A. Morgan	1981	San Francisco, California	Donald L. Ziegler
1938	New Orleans, Louisiana	R. A. Steinmayer	1982	Calgary, Canada	James MacDonald
1939	Oklahoma City, Oklahoma	R. W. Laughlin	1983	Dallas, Texas	Lewis S. (Stan) Pittman
1940	Chicago, Illinois	Verner Jones	1984	San Antonio, Texas	Edward C. Roy, Jr.
1941	Houston, Texas	Alexander Deussen	1985	New Orleans, Louisiana	George D. Severson
1942	Denver, Colorado	C. E. Dobbin	1986	Atlanta, Georgia	Howard R. Cramer
1943	Fort Worth, Texas	Karl A. Mygdal	1987	Los Angeles, California	Eugene F. (Bud) Reid
1944	Dallas, Texas	Joseph M. Wilson	1988	Houston, Texas	Richard S. Bishop
1945	Tulsa, Oklahoma	Business meeting only held	1989	San Antonio, Texas	Don F. Tobin
1946	Chicago, Illinois	Theron Wasson	1990	San Francisco, California	James R. Baroffio
1947	Los Angeles, California	Harold W. Hoots	1991	Dallas, Texas	Charles F. Dodge
1948	Denver, Colorado	Thomas S. Harrison	1992	Calgary, Canada	George Eynon
1949	St. Louis, Missouri	W. B. Wilson	1993	New Orleans, Louisiana	Bob Sabaté
1950	Chicago, Illinois	Lynn K. Lee	1994	Denver, Colorado	Robbie R. Gries
1951	St. Louis, Missouri	Walter H. Spears	1995	Houston, Texas	James O. Lewis, Jr.
1952	Los Angeles, California	Howard C. Pyle	1996	San Diego, California	John A. Minch
1953	Houston, Texas	Carleton D. Speed, Jr.	1997	Dallas, Texas	Tom Mairs
1954	St. Louis, Missouri	Graham B. Moody	1998	Salt Lake City, Utah	M. Lee Allison
1955	New York, New York	G. Moses Knebel	1999	San Antonio, Texas	Edward C. Roy, Jr.
1956	Chicago, Illinois	Morris M. Leighton	2000	New Orleans, Louisiana	Eric P. Mason
1957	St. Louis, Missouri	Harold T. Morley	2001	Denver, Colorado	Stephen A. Sonnenberg
1958	Los Angeles, California	Leo R. Newfarmer	2002	Houston, Texas	Jeffrey W. Lund
1959	Dallas, Texas	W. Dow Hamm			

International Conference Locations and General Chairmen

Year	City	General Chairman	Year	City	General Chairman
1984	Geneva, Switzerland	P.W.J. Wood	1996	Caracas, Venezuela	José P. Dominguez
1988	Nice, France	James A. Helwig	1997	Vienna, Austria	Walter P. Grün
1991	London, England	A.J. Martin	1998	Rio de Janeiro, Brazil	Joel Mendes Rennó
1992	Sydney, Australia	Murray H. Johnstone	1999	Birmingham, England	R. F. P. Hardman
1993	Caracas, Venezuela	Juan Chacin	2000	Bali, Indonesia	Gatot K. Wiroyudo
	The Hague, Netherlands	Roelof J. Murriss	2002	Cairo, Egypt	Mostafa El Ayouty
1994	Kuala Lumpur, Malaysia	Khalid Ngah	2003	Barcelona, Spain	Jorge Ferrer Modolell
1995	Nice, France	Lucien Montadert			

2002 Fifty-Year Members

List is not comprehensive. It includes only those who attained 50-year membership in 2002.

Jack Leonard Ahlen
Thomas N. Ambrose
George Bramald Amery
Donald Dean Anderson
Robert Wylie Anderson
Bill Oren Andress
Kaspar Arbenz
Eric Atkinson
Grey Howick Austin
Maynard Franklin Ayler
Donald Lee Baars
Robert Bruce Bailey
Andrew Dollar Baillie
John C. Barcklow, Jr.
Francis James Barker
John McGregor Barnes, Jr.
William Lassiter Basham
Dee Everett Beardsley
Clyde McKee Becker
Lewis Edward Beebe
Louis Beique
Robert Raymond Berg
Donald D. Bills
Kenneth Stanley Bishop
Alexander C. Boardman
Lowell Eldon Bogart
Dallas Overton Bossort
Gene A. Bowman
Daniel A. Bradley
Whitney Allen Bradley
Robert B. Branson
Daniel Joseph Brennan
Hollis Ray Brice
D. L. Brown
Dwight M. Brown, Jr.
James Henry Butler III
Leon Geddis Byerley, Jr.
Douglas Rean Callier
Paul Louis Vincent Campo
Peter Willis Cawthon, Jr.
Willard John Classen, Jr.
Russell Glenn Clausing
Joseph Frederick Clement
Robert Eugene Cobb
John Wesley Cochran
John M. Cochrane
J. Spencer Collins
Earl Glenn Colton, Jr.
Donald Gene Cook
John Wallace Cooke, Jr.
Gerald G. Cooper
Victor Loren Cooper
Russell Bernard Cornell
Robert Dees Craig
Landon Curry
Donald W. Danz
Don Eugene Daugherty

Doyle William Davis
David William Day, Jr.
Morris Eugene Dayton
Norman Bruce DeGraffenreid
Leon S. Ditzell, Jr.
Myrl Robert Douglass
F. L. Doyle
Allan Koonce Dray, Jr.
Richard Amos Edmund
Howard Lyman Ellinwood
John L. Elliott
Robert Howard J. Elliott
Nixon C. Elmer
John William Erickson
Arthur Leo Evans
John Maclyn Ewing
Charles Dale Fenstermaker
Peter Tyrell Flawn
Thomas Reilly Fluellen, Jr.
Donald Merle Ford
Robert Lee Foree, Jr.
James Morris Forgotson, Jr.
McLain Jay Forman
Laurence Bruce Forney
George Joseph Franklin
Gilbert Norvell Freeman
Weldon Goble Frost
Robert Louis Fuchs
Robert Alfred Gardner, Jr.
Lloyd Ellis Gatewood
James Edward Goudie
Walter H. Granata, Jr.
Willard R. Green
Joe Matthew Griffith, Jr.
Robert P. Grigg
David Nelson Grimes
Richard G. Guerrero
Warren Wall Hagist
Hubert H. Hall
Cornelius Kimball Ham
Alan Ray Hansen
Beauford Victor Hansen
Daisy C. Hansen
Howard Elbert Hansen
John W. Harbaugh
David Graham Hardy
David Haymond Harrington
Tom P. Hart
Charles Andrew Hassenfratz
Edmund Stuart Hastings
Hugh Hay-Roe
Harold Taylor Henslee
Francis Etienne Heritier
Chesley Coleman Herndon, Jr.
Thomas Herndon
Edwin James Hesketh
Bernard Louis Hill, Jr.
Gilman A. Hill
Oscar Roy Hille
Gordon R. Hinz
James Erwin Holdeman

Paul Vincent Hoover
Joseph R. Huffstetler
John Richard Hultman
A. Digby Hunt
Hubert Bash Hunt
John Meacham Hunt
Leslie Vincent Illing
John B. Ivey
Eric Crawford Jacobsen
Otis Lee James, Jr.
Harry Marrs Jarred
Thomas J. Jeffrey
Kenneth Roland Johnson
Melvin Coatany Johnson
Bobby Carl Jones
Vern Cleo Jones
Joe Alfred Keeling
Robert Louis King
Dave Russell Kingston
Mary Lou Klatt
Robert George Knabe
Robert Mollison Knebel
Harold William Knudsen
Paul Clyde Kohlman
Alvin August Kollaja
Dan Kozak
James Ferdinand Krejci
Robert Paul Kunkel
James Ade Kurfess
Keith Arthur Kvenvolden
John Henry Larsen
Herbert Louis Lee, Jr.
Richard Edwin Lee
Mitchell Achilles Lekas
Robert B. Leonard
William H. Le Roy
Robert G. Lindblom
Linus Reid Litsey
Hal S. Lobree
John Patterson Lockridge
Laddie Fred Long
Morris Andrews Long
Frank H. Lookabaugh
Gerald Glen Loucks
Lum Lovely
George Raymond Macaulay, Jr.
Lavaughn Eugene Malone
Alexander John Manulik
Jack Winston Marshall
Monty G. Martin
Allan V. Martini
John Alan Masters
Edward John Matchus
Marvin Lee Matheny
Roger Melvin Matson
Frank George Matzinger, Jr.
Edward Henry Mayer
Joseph Robert Mazzola
Robert L. McBroom
Tedford Amenell McCarty
Jack Love McClellan

Charles Nathan McCollough
Hugh McKee
Earl C. McKnight
Robert J. McLellan
Robert McReynolds
Charles Eugene Mear
Owen Philips Miles, Jr.
Clay Hayes Miller, Jr.
John Cummins Miller, Jr.
Charles William D. Milner
Leland Eugene Moore
Billy Harold Morrison
Clark A. Mueller
Philip A. Mundt
John Thomas Murphy, Jr.
Harry E. Nagle
Robert Morgan Neill, Jr.
Bobby Gene Newton
Frank J. Noble
James A. Noel
Edmund Nosow
Millis Henry Oakes
William Frank Oline
Fred Lamar Oliver
James Larkin O'Neill
Richard Edward Oppel
Robert Anselm Ortalda
Billy Coleman Osborn
Robert E. Osborne
Dale Owen Overmyer
Harold William Owens
Elmer Davisson Patterson
James Frank Patterson, Jr.
Samuel Oliver Patterson
George Dunham Pauling
Winfield Smith Payne, Jr.
Robert V. Peppard
Richard Calvin Peryam
Lewis B. Peters, Jr.
Adran Abner Phillips
Richard Leo Porter
Jack Albert Pounder
Richard Blake Powers
George Henry Procter
Thomas D. Pyburn
William Leroy Rader
Jose Ignacio Rael
Bailey Rascoe, Jr.
William Carroll Raymer
Wallace Keith Reaves
John Lynn Redmond

Eugene F. Reid
Frank A. Reilly
Frederick Howard Reiter
Henry Hamilton Rennison
Carl Buckner Rexroad
Joseph F. Riccio
Richard Morrison Riggs
Thomas Frederick Ritter
Robert Roscoe Roady
Carl Nelson Roberts
Bruce Robinson, Jr.
Mark Leighton Robinson
Richard E. Roby
James Palmer Rogers
Sam Romeyn Rogers
Dean Eplin Rowe
Reese M. Rowling
Norman R. Rowlinson
James Frere Rucker
Edmund Louis Russell, Jr.
Floyd F. Sabins, Jr.
Nathaniel McLean Sage, Jr.
Lowell C. Schmidt
Albert Anthony Schoenfeld
John Joseph Schulte
William Arthur Sears, Jr.
Paul Dewitt See
Hyman Seiden
Lawrence J. Seright
Howard Richard Shaffer
George Warren Shapard
Nolan Gail Shaw
William Dibell Shea
Claud L. Sheats, Jr.
Jay M. Shields
William Paul Siard
Joseph Edward Siegmund
John Drew Silvermail
John David Sistrunk, Jr.
Don E. Six
William Lusk Skipp
William Slemko
Billy George Smith
Charles William Smith
James Lawrence Smith
Kenneth Grant Smith
Dudley Pritchett South, Jr.
William Robert Speer
Marion Eugene Spitler
Billy Andres Street
Robert J. Stringer

Harry Gilbert Stuveling, Jr.
Donald Charles Swanson
Ernest Szabo
John Endre Szatai
Sterling Jarrell Talley
Irving Howard Tesmer
Albert Leon Thalman
Peter Mark Thompson
Sheridan Ashcroft Thompson
Albert Marion Tolbert
Harrison L. Townes
Henry Trapp, Jr.
John David Traut
Allan Cecil Tucker
John Thomas Velkas
Merlin James Verret
Richard Hensler Voris
Bruce Harley Walker
John Edward Walters
William Miller Walton, Jr.
Frank Feng Hui Wang
Douglas Raymond Waterman
Herbert Douglas Waterman
Frank Earl Weagant
Nelson E. Webernick
Lewis A. Weeks
Charles Weiner
Malcolm Pickett Weiss
Frank Pierce Welborn, Jr.
James Broughton Whatley
George R. White
Ronald James White
James G. Wilkins
James Richard Williams
Donald Everett Wilson
Ralph Owen Wilson II
Thomas E. Witty
Richard Henry Womack
Percival Walter Jame Wood
Robert L. Woodard
Henk Worries
John Cochran Worley
Charles Joseph Worrel
Thomas Lawton Wright
Phillip Edward Wyche
James Renwick Wylie III
John C. Young
Robert Glen Young
Robert Zinke
Robert Leonard Zinn

Constitution

Constitution as amended July 23, 1993.

ARTICLE I. NAME

This Association, which is incorporated under the laws of the State of Colorado, shall be called "The American Association of Petroleum Geologists."

ARTICLE II. PURPOSES

The purposes of this Association are to advance the science of geology, especially as it relates to petroleum, natural gas, other subsurface fluids, and mineral resources; to promote the technology of exploring for, finding, and producing these materials in an economically and environmentally sound manner; to foster the spirit of scientific research throughout its membership; to disseminate information relating to the geology and the associated technology of petroleum, natural gas, other subsurface fluids, and mineral resources; to inspire and maintain a high standard of professional conduct on the part of its members; to provide the public with means to recognize adequately trained and professionally responsible geologists; and to advance the professional well-being of its members.

ARTICLE III. MEMBERSHIP

SECTION 1.

The members of this Association shall consist of persons concerned with the professional applications of the geological science.

SECTION 2.

Various classifications of memberships and the qualifications thereof shall be established by the Bylaws of the Association.

ARTICLE IV. CODE OF ETHICS

SECTION 1. General Principles

(a) Geology is a profession, and the privilege of professional practice requires professional morality and professional responsibility.

(b) Honesty, integrity, loyalty, fairness, impartiality, candor, fidelity to trust, and inviolability of confidence are incumbent upon every member as professional obligations.

(c) Each member shall be guided by high standards of business ethics, personal honor, and professional conduct. The word "member" as used throughout this code includes all classes of membership.

SECTION 2. Relation of Members to the Public

(a) Members shall not make false, misleading, or unwarranted statements, representations or claims in regard to professional matters, nor shall they engage in false or deceptive advertising

(b) Members shall not permit the publication or use of their reports or maps for any unsound or illegitimate undertakings.

(c) Members shall not give professional opinions, make reports or give legal testimony without being as thoroughly informed as reasonably required.

SECTION 3. Relation of Members to Employers and Clients

(a) Members shall disclose to prospective employers or clients the existence of any pertinent competitive or conflicting interests.

(b) Members shall not use or divulge any employer's or client's confidential information without their permission and

shall avoid conflicts of interest that may arise from information gained during geological investigations.

SECTION 4. Relation of Members to One Another

(a) Members shall not falsely or maliciously attempt to injure the reputation or business of others.

(b) Members shall freely recognize the work done by others, avoid plagiarism, and avoid the acceptance of credit due others.

(c) Members shall endeavor to cooperate with others in the profession and shall encourage the ethical dissemination of geological knowledge.

SECTION 5. Duty to the Association

(a) Members of the Association shall aid in preventing the election to membership of those who are unqualified or do not meet the standards set forth in this Code of Ethics.

(b) By applying for or continuing membership in the Association each member agrees to uphold the ethical standards set forth in this Code of Ethics.

(c) Members shall not use AAPG membership to imply endorsement, recommendation, or approval by the Association of specific projects or proposals.

SECTION 6. Discipline for Violations of Standards

Members violating any standard prescribed in this Article shall be subject to discipline as provided by the Bylaws.

ARTICLE V. GOVERNMENT

The government of this Association shall be vested in six (6) elected officers, an Executive Committee, a House of Delegates, and an Advisory Council. The composition of each body, the manner of selection, the terms of office, the specific duties, responsibilities, and other matters relevant to such bodies and officers shall be as provided in the Bylaws of this Association. Any responsibility and authority of government of this Association not otherwise specified in these governing documents shall be reserved to the Executive Committee.

ARTICLE VI. DISPOSITION OF ASSETS

The American Association of Petroleum Geologists is a non-profit organization. In the event of the dissolution of the Association, the Association shall distribute any assets remaining after the discharge of all liabilities, for charitable, scientific, or educational purposes in strict compliance with exemption provided under Section 501 (c)(6) of the Internal Revenue Code of 1954. It is recognized that, under these circumstances, no member of the Association shall have any right or interest in or to the property or assets of the Association.

ARTICLE VII. BYLAWS

The Bylaws, consisting of fourteen (14) articles as appended hereto, are hereby adopted and may be amended, enlarged, or reduced as provided in the Bylaws.

ARTICLE VIII. AMENDMENTS

SECTION 1. Mail Ballot by Members

Amendments to this Constitution may be made by a two-thirds (2/3) majority vote of the members of this Association responding by mail ballot.

SECTION 2. Proposal of Amendments

Such amendments may be proposed by the following:

(a) Resolution by the Executive Committee;

- (b) Resolution by a special constitutional committee appointed by the President;
- (c) Resolution of the House of Delegates;
- (d) A proposal in writing signed by any fifty (50) members of the Association.

All such resolutions or proposals must be submitted to, and action must be taken during, the annual meeting of the House of Delegates of this Association, as provided in the Bylaws and in conformance with Section 3 of this Article.

SECTION 3. Legality of Amendments

The legality of all amendments shall be determined by the Executive Committee with advice of counsel prior to consideration by the House of Delegates. In the event that a proposed amendment is revised by the House of Delegates, such revision will again be referred to the Executive Committee for determination of legality prior to balloting.

SECTION 4. Publication of Amendments

Upon affirmation of legality of the proposed amendments, the Executive Committee shall cause them to be published in the *Bulletin* or by other suitable means at least two (2) months prior to the annual meeting of the House of Delegates.

SECTION 5. Voting on Amendments

If any proposed amendment shall be acted upon favorably by simple majority vote of the House of Delegates, the Executive Committee shall arrange for a ballot of members by mail within sixty (60) days after the annual meeting of the House of Delegates, and two-thirds (2/3) majority favorable vote of the ballots received within sixty (60) days of such mailing shall be sufficient to amend.

Bylaws

Bylaws as amended June 3, 2001.

ARTICLE I. MEMBERSHIP

SECTION 1. Membership

Membership in this Association shall consist of the following classifications:

- (a) Active Members
- (b) Emeritus Members
- (c) Honorary Members
- (d) Juniors (until May 17, 2003)
- (e) Students
- (f) Associates

SECTION 2. Definition of Term "Member"

Unless otherwise expressly provided in these Bylaws, the term "member" shall refer only to Active, Emeritus, and Honorary Members. Only members may hold office, vote in Association affairs, sponsor membership applications, or refer to themselves as members of the Association.

SECTION 3. Active Members

Any person engaged in the practice or teaching of geology may apply for Active membership, provided the applicant holds a Bachelor's, Master's, or Doctor's Degree in geological science from a college of acceptable academic standards and, in addition, has had three (3) years of experience in the practice or teaching of geology. Credit for experience can be counted as follows: Master's Degree—one (1) year; Doctor's Degree—two (2) years. The Executive Committee may waive degree or current professional activity requirements if in its judgement an applicant has adequate professional experience and has attained standing in the profession.

SECTION 4. Emeritus Members

When Active Members in good standing in the Association, with all dues paid to date, become sixty-five (65) years of age and have been members of the Association (regardless of classification) for a total of thirty-five (35) years including time spent in military service, those members shall become Emeritus Members of this Association upon advising the Executive Director of the Association of their sixty-fifth (65th) birthday, and by requesting such classification of membership. Thereafter the emeriti members shall pay fifty percent (50%) of the amount of dues for Active Members and shall be entitled to all privileges and advantages of Active membership in this Association.

SECTION 5. Honorary Members

Honorary Members shall be those Active Members of this Association who shall have contributed distinguished service to the cause of petroleum geology. Such determination shall be made by the Executive Committee. A recipient of the Sidney Powers Memorial Medal Award shall become automatically an Honorary Member. Honorary Members shall not be required to pay dues, but shall have all the privileges and advantages of Active membership in the Association.

SECTION 6. Juniors

Subject to the other provisions of this Section 6, any graduate with a major in geology or an allied science from a college of acceptable academic standards may apply for Junior membership provided that:

- (a) The applicant is engaged in geological exploration or research; or
- (b) The applicant is engaged in teaching geology.

Any application for Junior membership pending on April 11, 1999, shall be considered as an application for Associate membership as of such date and no person may apply for admission as or be admitted as a Junior member after that date. The Junior membership classification will be eliminated effective May 17, 2003, and Junior members on that date shall automatically become Associates.

SECTION 7. Students

Any student majoring in geology or in a field of study related to or generally associated with geology at a college of acceptable academic standards may apply for Student membership. Student membership shall terminate upon termination of academic enrollment.

SECTION 8. Associates

Any person not qualified for any other class of membership who is a graduate of a college of acceptable academic standards whose employment is associated with geology, may apply for election as an Associate. The Executive Committee may waive degree requirements, if in its judgement an applicant has adequate professional experience, and has attained professional standing.

SECTION 9. Election to Membership

Every candidate for admission as an Active Member shall submit a formal application on an application form authorized by the Executive Committee, signed by the applicant, and endorsed by not less than three (3) members who are in good standing, stating the applicant's training and experience and such other facts as the Executive Committee shall from time to time prescribe. The Executive Committee shall be the sole judge of the eligibility of the applicant for membership and the adequacy of the applicant's qualifications. If the Executive Committee after due consideration, judges that the applicant's qualifications meet the requirements of the Constitution and

these Bylaws, the committee shall cause to be published in the *Bulletin* or by other suitable means, the applicant's name and the names of the sponsors. If, after sixty (60) days have elapsed since such publication, no reason is presented why the applicant should not be admitted, the applicant shall be deemed eligible to Active or Associate membership, as the case may be, and shall be notified of election to membership.

An objection to the admission to membership of an applicant must be submitted by an Active Member of the Association, must be in writing, must be received by the Executive Director at the Association's headquarters within sixty (60) days after publication of the applicant's name, must include a full statement of the circumstances on which the objection is based, and must be signed by the member raising the objection. If, in the opinion of the Executive Committee, the objection has merit, the Executive Committee shall reconsider the application.

SECTION 10. Resignation

Any member of whatever classification may resign at any time from the Association; such resignation shall be in writing and shall be accepted by the Executive Committee.

SECTION 11. Loss of Membership Rights

Any member of whatever classification who resigns, or who forfeits membership for non-payment of dues, or who is expelled for ethical reasons ceases to have any rights in the Association and ceases to incur further indebtedness to the Association.

SECTION 12. Reinstatement

Any person who has ceased to be a member of whatever classification, who has resigned, or who has forfeited membership for nonpayment of dues, unless expelled for ethical reasons, may be reinstated by unanimous vote of the Executive Committee, upon fulfillment of such requirements as may be established by the Executive Committee.

ARTICLE II. OFFICERS, EXECUTIVE DIRECTOR, AND ASSOCIATION POSITIONS

SECTION 1. Designation

The officers of this Association shall be the following:

- (a) President
- (b) Vice President
- (c) President-Elect
- (d) Secretary
- (e) Treasurer
- (f) Editor

SECTION 2. President

The President shall be the chief executive officer of this Association. The President shall be spokesman for the Association on all matters pertaining to the public; shall appoint the members of all committees within the limits prescribed in the Constitution and Bylaws; shall appoint delegates to cooperating organizations to represent the Association; and shall serve as chairman of the Executive Committee.

SECTION 3. Vice President

The Vice President shall perform the duties of the President in the absence or inability of the President to serve. The Vice President shall assume the office of President in case of a vacancy for any cause in that office; and shall perform such duties as may be assigned by the President.

SECTION 4. President-Elect

The President-Elect shall serve for one (1) year as such and in the following year shall assume the office of President. The

President-Elect shall have no administrative authority except as a member of the Executive Committee; shall become acquainted with all the details of the office of President, and generally become prepared to serve as President. The President-Elect shall be responsible for the preparation of the budget for the ensuing fiscal year for approval by the Executive Committee.

SECTION 5. Secretary

The Secretary shall be responsible for recording the actions of the Executive Committee; shall keep possession of the corporate seal and affix the same; and, subject to Executive Committee approval, shall have policy oversight of all non-technical and non-peer reviewed publications and communications. The Secretary shall perform other duties as may be directed by the Executive Committee.

SECTION 6. Treasurer

The Treasurer shall supervise the receipt of all funds and, under the direction of the Executive Committee, be responsible for all disbursements of funds of the Association; shall serve ex officio as a member of the Committee on Investments; shall give bond, the amount of which shall be determined by the Executive Committee, shall make the annual report as Treasurer, and perform such other duties as directed by the Executive Committee.

SECTION 7. Editor

The Editor shall have general supervision and final authority in soliciting, accepting, and rejecting all material on technical subjects for publication. The Editor shall have policy oversight and responsibility for editorial content of all technical and peer reviewed publications. With the approval of the Executive Committee, the Editor shall appoint, replace, and reappoint such volunteer associate editors from among the membership of the Association that may be required to accomplish the publication activities of the Association. The Editor shall submit an annual report of editorial activities to the Executive Committee.

SECTION 8. Executive Director

Executive Committee policies shall be implemented by the Executive Director who shall have charge of the Association headquarters and staff personnel as authorized by the Executive Committee. The Executive Director shall be the person to whom all official notices to the Association will be addressed; shall be responsible for the physical custody of all official documents held in repository at Association headquarters; shall be under the personal direction of the President; and will assist in the work of all committees to ensure the effectiveness of the activities of this Association. The Executive Director shall be appointed by and serve at the pleasure of the Executive Committee. The Executive Director shall be chief administrative official of the Association, shall have the authority to execute contracts on behalf of the Association, shall not be an officer of the Association, and shall not be a member of the Executive Committee.

SECTION 9. Terms of Office

(a) The President, Vice President, and President-Elect, each as such, shall serve a one (1)-year term and shall not succeed themselves in office. The Secretary and Treasurer, each as such, shall serve a two (2)-year staggered term and shall not succeed themselves in office. The Editor, as such, shall serve a three (3)-year term and shall not serve successive terms as Editor.

(b) The terms of office shall commence on July 1 following election.

SECTION 10. Election of Officers

These officers shall be elected from among the members of the Association by means of secret ballot in the following manner: not later than June 30 of each year the Advisory Council shall annually recommend two (2) or more candidates each for the offices of Vice President and President-Elect, biennially recommend two (2) or more candidates each for offices of Secretary and Treasurer, and triennially recommend two (2) or more candidates for the office of Editor to stand for election during the following fiscal year, and, if elected, to serve during the second succeeding fiscal year. The Council's recommendations shall thereafter be considered by the Executive Committee which shall annually approve two (2) candidates each for the offices of Vice President and President-Elect, biennially approve two (2) candidates each for the offices of Secretary and Treasurer and triennially approve two (2) candidates for the office of Editor. The names of approved candidates shall be published in the *Bulletin* or by other suitable means ninety (90) days prior to distribution of ballots to members. Additional nominations may be made by written petition of fifty (50) or more members in good standing received at Association headquarters not later than November 15 following. The Executive Committee shall then prepare a printed ballot, listing the candidates for each office, and one (1) ballot shall be mailed to each member on or before April 1. Marked ballots returned to and received by the Association after May 15 shall not be counted. The ballot committee shall count the ballots promptly after May 15 and report the results to the President. A plurality of all votes cast for an office is necessary for election. In case of a tie vote the Executive Committee shall cast one (1) additional deciding vote.

SECTION 11. Vacancies

A vacancy occurring in the offices of Vice President, Secretary, Treasurer, or Editor shall be filled by the Executive Committee.

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

SECTION 12. Release of Election Results

If all candidates in any AAPG election for a specific office approve in writing a statement authorizing the release of the numerical results of their election, those results shall be released to each of the said candidates. Any of those candidates may subsequently disclose such election results to any person providing all candidates agree in writing. For the purposes of this Section 12, AAPG elections include, but are not limited to, elections for officers of the Association, the House of Delegates, and the Divisions, and any other election between members of any classification conducted by the Association.

SECTION 13. Limitations on Association Positions

(a) No member of any classification may hold more than one of the following offices at any one time; Association President; Association Vice President; Association President-Elect; Association Secretary; Association Treasurer; Association Editor; Chairman, House of Delegates; Chairman-Elect, House of Delegates; Secretary-Editor, House of Delegates; Immediate Past Chairman, House of Delegates; President of any Division; Advisory Council member elected by any United States Section; and Advisory Council member elected by any International Region.

(b) No past president of the Association may within three (3) years after expiration of his or her term of office as such hold any of the offices listed in subsection 13(a) above.

(c) The effective date of this amendment is July 1, 2001.

ARTICLE III. EXECUTIVE COMMITTEE

SECTION 1. Executive Authority

The executive authority of this Association shall be vested in an Executive Committee which shall serve as its Board of Directors and which shall be composed of the following members:

- (a) President
- (b) Vice President
- (c) President-Elect
- (d) Secretary
- (e) Treasurer
- (f) Editor
- (g) Chairman, House of Delegates

SECTION 2. Jurisdiction

(a) The Executive Committee shall have general executive control and management of the affairs and funds of this Association; these shall include, but not be limited to: designation of time and place of the annual meeting of the Association; supervision of election of officers and filling vacancies; determination of applicant qualifications and classifications; maintaining a headquarters and staff; accepting, creating, and administering funds for purposes provided under the Constitution and Bylaws of this Association; appointing trustees to manage such funds; establishing such fiscal policies as may be appropriate; and performing such other administrative duties as required to accomplish the objects and purposes of this Association.

(b) The Executive Committee shall also serve as an appeal authority in all matters involving grievance proceedings and professional certification of members.

(c) The Executive Committee shall have sole responsibility and authority for all matters involving the external affairs of this Association.

SECTION 3. Meetings

The Executive Committee shall meet immediately before the annual meeting of the House of Delegates and at such other times during the year and at such places as designated by such Executive Committee and at the call of the President. Robert's Rules of Order shall apply at all meetings. Notice by mail of at least five (5) days shall be given to the members of the Executive Committee prior to meetings, unless waived. A quorum shall consist of four (4) members. No proxy votes shall be allowed and no alternates may be appointed for absent members.

SECTION 4. Indemnification and Relief from Liability

The officers and directors of the Association, being the Executive Committee, shall be indemnified by the Association and shall be relieved from personal liability in all matters regarding the Association to the full extent authorized by the laws of the State of Colorado.

SECTION 5. Amendment of Certificate of Incorporation

The Executive Committee shall have the authority, by a two-thirds (2/3) majority vote, to amend the Certificate of Incorporation of the Association.

ARTICLE IV. HOUSE OF DELEGATES

SECTION 1. Jurisdiction

(a) All of the legislative function of this Association, within the scope of the Constitution and Bylaws, shall be vested in a House of Delegates.

(b) All matters involving the external affairs of the Association shall be referred to the Executive Committee of the Association.

SECTION 2. Apportionment of United States Affiliated Society Delegates and International Region Delegates

Each United States Affiliated Society shall be entitled to one (1) Delegate for up to seventy (70) members of the Association and to one (1) additional Delegate for each additional seventy (70) members, or major fraction thereof, allocated to that society for voting purposes. Each International Region shall be entitled to one (1) Delegate for up to seventy (70) members of the Association and to one (1) additional Delegate for each additional seventy (70) members, or major fraction thereof, allocated to that Region for voting purposes; provided, however, that no International Region shall have fewer Delegates than one (1) Delegate for each Affiliated Society within the Region.

SECTION 3. Selection of United States Affiliated Society Delegates and International Region Delegates

Delegates shall be selected by popular vote of American Association of Petroleum Geologists members in elections conducted annually by United States Affiliated Societies and International Regions. Voting shall be restricted to those Association members claiming the Affiliated Society or Region as their home society or region. Association members residing in the United States and not members of any United States Affiliated Society may be assigned for the purpose of voting in elections for Delegates to the nearest United States Affiliated Society upon request to that society, without enjoying any of the membership privileges. All Association members residing outside of the United States shall be assigned to the International Regions in which they reside and shall vote in that Region in elections for Delegates unless claiming a United States Affiliated Society or another Region as their home society or region. All members of an International Region shall be entitled to vote in all elections for all Delegates from that Region. Each International Region shall elect, in an election or elections in which all members of such region shall be entitled to vote, not less than one (1) Delegate from among the Association members of each Affiliated Society within that International Region. Additional Delegates, if any, to which a Region may be entitled shall be elected as determined by the Region; provided, that all Association members assigned to an International Region shall be entitled to vote in all elections of Delegates from that International Region. Any Association member may be a candidate or Delegate from the US Affiliated Society or International Region in which the member votes upon the member's timely written request. Delegates shall be elected for three (3)-year terms and may succeed themselves; provided, however, that any Delegate elected as an officer of the House of Delegates during the third year of the Delegate's three-year term shall automatically be a voting At-Large Member of the House of Delegates for the one year such person serves as such officer. Terms of office shall begin on July 1 following their election. Vacancies in office, or alternates for Delegates unable to attend meetings of the House of Delegates may be filled or obtained from among the candidates not receiving a sufficient number of votes for election, and in order of the total number of votes received. In the event alternates for Delegates are not available from the candidates described above, then the members of a United States Affiliated Society or an International Region who are Association members may appoint alternate Delegates for said meeting. The names of these appointed alternate Delegates must be received in writing by the Headquarters office of the Association at least fifteen (15) days prior to the meeting of the House of Delegates for which they are appointed.

SECTION 4. At-Large Members

(a) Each current member of the Executive Committee of the Association, each past-chairman of the House of Delegates, and each past-president of the Association more than three (3) years out of office, shall be a non-voting member of the House of Delegates. Any At-Large Member may also serve as a voting member if selected by the procedure provided in Article IV, Section 3 above.

(b) An officer of the House of Delegates shall be a voting At-Large Member of the House of Delegates if such officer is not otherwise a voting Delegate.

SECTION 5. Duties of United States Affiliated Society Delegates and International Region Delegates

(a) Delegates shall serve as representatives of the Association members of their United States Affiliated Society or International Region.

(b) Delegates shall familiarize themselves with the Association's Constitution and Bylaws.

(c) Delegates shall acquaint themselves with the Association's current policies and programs.

(d) Delegates shall inform the leaders of their society or region regarding the Association's program of activities, especially as it relates to cooperative participation and service, and shall keep alternates fully apprised of such matters.

(e) Delegates shall process requests from the Executive Committee for information regarding eligibility of applicants for membership in the Association.

(f) Delegates shall function as local Certification committees and process requests from the Board of Certification for information regarding applicants for Certification by the Association.

(g) Delegates shall actively solicit applications from eligible geologists for membership in this Association.

(h) Members of the Association before becoming candidates for the office of Delegate should recognize the obligation to attend all meetings of the House of Delegates during their term, and to perform to the best of their ability all duties imposed upon them by these Bylaws.

SECTION 6. Meetings of House of Delegates

The House of Delegates shall meet at least once each year during the annual meeting of the Association. Voting shall be only by those Delegates, or their duly qualified alternates, present and accounted for. No proxy votes shall be allowed. A quorum shall be a majority of all qualified Delegates or alternates elected. The Rules and Procedures established by the House shall be followed and, where not otherwise provided in such Rules and Procedures, *Robert's Rules of Order* shall apply in all meetings.

SECTION 7. Accreditation of Delegates

(a) All members of the House of Delegates shall be members in good standing of this Association.

(b) The House of Delegates shall be the sole judge of the qualifications of its members within the provisions of this Article.

SECTION 8. Officers of House of Delegates

(a) The officers of the House of Delegates shall be a Chairman, a Chairman-Elect and a Secretary/Editor. The House of Delegates shall elect the Chairman-Elect and the Secretary/Editor at its annual meeting. The term of office shall be one year commencing July 1 following election of officers. The Chairman-Elect shall assume the office of Chairman of the House of Delegates the year following his or her term of office as Chairman-Elect. At the annual meeting of the House of Delegates in which these bylaws are amended to provide for a

Chairman-Elect of the House of Delegates, the House of Delegates shall elect a Chairman, whose term of office shall be one (1) year, a Chairman-Elect and a Secretary/Editor. At subsequent annual meetings of the House of Delegates, the House of Delegates shall elect a Chairman-Elect and a Secretary/Editor.

(b) Only those members of the House of Delegates having served at least one (1) year as such Delegate shall be eligible to hold any of the offices mentioned in subsection (a) above. Only Delegates may be candidates for any of the offices mentioned in subsection (a) above.

(c) The Chairman of the House of Delegates shall become ex officio a member of the Executive Committee of the Association with full voting privileges, and may not serve succeeding terms.

(d) A vacancy occurring in the office of Chairman shall be filled by the Chairman-Elect who shall, in the event such vacancy occurs prior to the annual meeting of the House of Delegates during such Chairman-Elect's term of office remain as Chairman during the succeeding year. A vacancy occurring in the office of Chairman-Elect shall be filled by the Secretary/Editor. A vacancy occurring in the office of Secretary/Editor shall be filled by appointment by the Chairman.

ARTICLE V. ADVISORY COUNCIL

SECTION 1. Jurisdiction

The advisory function of this Association shall be vested in an Advisory Council. The Council shall have no executive authority, but shall report to the Executive Committee on all matters involving ethics and discipline referred to it. The Council shall conduct long-range planning and undertake the necessary studies and investigations in connection therewith. It shall report to the Executive Committee on all matters involving constitutional review referred to it. The Council shall recommend to the Executive Committee nominations for Association officers and also honors and awards, with the exception of the Matson Award and the Jules Braunstein Memorial Award. The Council shall review the organization of the Association and the standing committee structure of the Association. It shall also undertake any special projects wherein guidance is requested by the Executive Committee.

SECTION 2. Ethics and Discipline

Five members of the Advisory Council shall serve as the Hearing Body in grievance proceedings as provided in Article XI of these Bylaws, except as otherwise provided in Article XI, Section 8, of these Bylaws.

SECTION 3. Long-Range Planning

The Advisory Council shall serve as a functioning long-range planning body to review the Association's activities and recommend to the Executive Committee appropriate changes of programs and policies.

SECTION 4. Constitution Review

The Advisory Council shall constantly review the Constitution and Bylaws and recommend to the Executive Committee appropriate amendments to meet the changing needs of this Association.

SECTION 5. Nominations

The Advisory Council shall recommend candidates for Association officers as provided in these Bylaws.

SECTION 6. Honors and Awards

The Advisory Council shall recommend recipients for all honors and awards which may be established by the Executive Committee with the exception of the Matson Award and the Jules Braunstein Memorial Award.

SECTION 7. Additional Duties

The Advisory Council shall be charged with reviewing relationships among the Association, Sections, and Divisions, and other organizations in order to recommend adjustments which will benefit the Association and its members.

The Advisory Council shall engage in such other special projects and shall perform such duties as the Executive Committee may, from time to time, direct.

SECTION 8. Composition and Terms of Office

Except as set forth in subparagraph (a) and (c) below, the members of the Advisory Council shall each serve for three (3)-year terms in rotation. The members of the Advisory Council shall consist of the following:

(a) The immediate past-president and the two (2) former presidents who have served most recently or their designated representatives from their respective Executive Committees and the immediate past chairman of the House of Delegates;

(b) One (1) or more members of the Association elected every third year by the Association members of each United States Section and International Region, in accordance with a schedule established by the Executive Committee to provide staggered terms and subject to the provisions of subparagraph (d) of this Section 8;

(c) The chief elected officer of each Division who shall serve ex officio during the officer's term, provided said Division has not less than seven hundred and fifty (750) Association members on the first day of the fiscal year of the Association. The chief elected officer of each Division with less than seven hundred and fifty (750) Association members shall be entitled to attend Advisory Council meetings as an Observer but will not be a member of the Advisory Council.

(d) Each United States Section and International Region with not less than seven hundred and fifty (750) Association members shall be entitled to elect one Advisory Council member for up to five thousand (5,000) Association members within such section or region. Each United States Section and International Region with less than seven hundred and fifty (750) Association members will elect for a three (3)-year term an Observer to attend Advisory Council meetings but who will not be a member of the Advisory Council except as otherwise provided in these Bylaws. If a Section or a Region which elected an Observer has seven hundred and fifty (750) or more Association members on the first day of any fiscal year of the Association, such Observer shall become a member of the Advisory Council as of that date and continue as such for the remainder of the Observer's three (3)-year term. A Section or Region shall be entitled to elect an additional Advisory Council member for each additional five thousand (5,000) members, or any fraction thereof. For the purposes of this subparagraph (d), the number of members of a section or region shall be determined as of the first day of the Association's fiscal year in which an election is to occur. Once elected, an Advisory Council member from a Section or Region shall serve for three (3) years, regardless of the number of members in such section or region during the term of that Advisory Council member.

SECTION 9. Meetings

The Advisory Council shall meet at least once each year during the annual meeting of the Association, and shall submit annual reports to the Executive Committee. Additional meetings may be held at the call of the Chairman. A quorum shall consist of a simple majority of members. *Robert's Rules of Order* shall apply at all meetings. No proxies shall be allowed but alternates for absentee members may be appointed in accordance with Section 8 paragraph (a) or the procedures prescribed in Section 12 of this Article V. Mail canvasses may be

conducted when necessary for interim action requested by the Executive Committee.

SECTION 10. Presiding Officer

The immediate past-president of this Association shall serve as Chairman of the Advisory Council, unless, in the event the immediate past-president cannot serve, another member of the Council is elected by the Councillors, to serve. The Chairman shall appoint a Recording Secretary who shall keep minutes of each meeting.

SECTION 11. Observers at Advisory Council Meetings

The Advisory Council will invite the following Observers to attend its meetings:

- (a) The Executive Director;
- (b) The President;
- (c) The Chairman of the House of Delegates;
- (d) The chief elected officer of each Technical Division that has less than seven hundred and fifty (750) Association members, provided, that the Technical Division would otherwise qualify to elect a member of the Advisory Council were its membership not less than seven hundred and fifty (750) Association members; and
- (e) The elected representative from any United States Section or International Region that has less than seven hundred and fifty (750) Association members, provided, that the United States Section or International Region would otherwise qualify to elect a member of the Advisory Council were its membership not less than seven hundred and fifty (750) Association members. Observers are not Advisory Council members, may not vote, and will not attend executive sessions of the Advisory Council unless authorized to do so by a vote of the Advisory Council.

SECTION 12. Alternates at Advisory Council Meetings for Absent Members

The alternate representative for an absent Advisory Council member shall be that absent member's immediate predecessor as a member of the Advisory Council, except as prescribed in Section 8 paragraph (a) of this Article. If the absent Advisory Council member represents a Region, Section, or Division and did not have a predecessor, the alternate representative shall be designated by the Region, Section, or Division President, and shall be a current member of its executive committee. If an Advisory Council member dies or resigns, then prior to the election of a successor member as prescribed in Article VI, Section 1, such former member's alternate representative shall be as otherwise provided herein for an absent member. An alternate representative may be seated at any time during an Advisory Council meeting. The alternate representative shall have the authority, including the right to vote, of the absent member.

ARTICLE VI. UNITED STATES SECTIONS, INTERNATIONAL REGIONS, AND TECHNICAL DIVISIONS

SECTION 1. United States Sections and International Regions

This Association shall establish United States Sections within the United States and International Regions outside the United States on a geographical basis to include Association members as individuals or as groups of federated affiliated geological societies, for the purpose of sponsoring technical meetings and publications and otherwise furthering the objectives of the Association within such Sections or Regions.

United States Sections shall be the:

- (a) Eastern Section;
- (b) Mid-Continent Section;
- (c) Southwestern Section;

- (d) Gulf Coast Section;
- (e) Rocky Mountain Section; and
- (f) Pacific Section;

as constituted on January 1, 1999.
International Regions shall be the:

- (a) Canadian Region;
- (b) Mexican, Central American, and South American Region;
- (c) European Region;
- (d) African Region;
- (e) Asian/Pacific Region; and
- (f) Middle Eastern Region.

The Executive Committee shall prior to August 1, 1999, assign countries to each International Region and shall designate an interim president of each International Region who shall coordinate the initial election of officers, Delegates to the House of Delegates, and a member or members of the Advisory Council (if the Region qualifies for such member or members).

Subsequent to August 1, 1999, the composition of each Section and Region may be revised, individual Sections and Regions may be dissolved, and additional Sections and Regions may be established upon application of interested individuals and upon the recommendation of the Executive Committee by vote at the annual meeting of the House of Delegates. The internal affairs of such Sections and Regions shall be administered by each Section and Region consistent with the purposes and policies of this Association.

Each Section and Region shall be entitled to elect, subject to the provisions of Article V, Section 8, subparagraph (d), of these Bylaws, from among Association members in such Section or Region, a Councillor or Councillors to serve for three (3)-year terms as elected members of the Advisory Council. Each United States Section and International Region with less than seven hundred and fifty (750) Association members shall be entitled to elect an Observer as provided in Article V, Section 8, subparagraph (d), of these Bylaws. Each such Councillor and Observer shall be elected by ballot, submitted to all Association members of the respective Section or Region, from among not less than two candidates nominated by the Section or Region governing body or by submission of a petition of nomination signed by not less than fifty (50) members of such Section or Region and delivered to the Section or Region president at least 30 days prior to start of said election. Vacancies in Councillor or Observer positions shall be filled by election to be held within 120 days of said vacancy.

SECTION 2. Technical Divisions

Technical Divisions may be established, provided that the members interested perfect an organization and make application to the Executive Committee. The Executive Committee shall submit the application with its recommendations to a vote at an annual meeting of the House of Delegates, an affirmative vote of two-thirds (2/3) of the Delegates present and voting being necessary for the establishment of such a Division. In like manner, the Association may dissolve a Division by an affirmative vote of two-thirds (2/3) of the Delegates present and voting at an annual meeting of the House of Delegates. A Technical Division may have its own officers, and it may have its own Constitution and Bylaws provided that, in the opinion of the Executive Committee, these do not conflict with the Constitution and Bylaws of the Association. The Executive Committee shall be empowered to make arrangements with the officers of the Division for the conduct of the business of the Division. Technical Divisions may affiliate with other scientific societies, with the approval of the Executive Committee.

ARTICLE VII. AFFILIATED SOCIETIES AND ASSOCIATED SOCIETIES

SECTION 1. Affiliated Societies

This Association may affiliate with duly organized groups or societies which serve the needs of members of the Association in geographically defined areas and which by objects, aims, constitutions, bylaws, or practice are functioning in harmony with the objects and aims of the Association, subject, however, to the recommendations of the Executive Committee and to the affirmative vote of the House of Delegates. Affiliated Societies within the United States (referred to in these Bylaws as "United States Affiliated Societies") and International Regions shall be eligible to elect Delegates to the House of Delegates of the Association.

SECTION 2. Associated Societies

This Association may associate with duly organized groups or societies which serve the needs of members of the Association in topically and/or geographically defined areas and which by objects, aims, constitutions, bylaws, or practice are functioning in harmony with the objects and aims of the Association, subject, however, to the recommendations of the Executive Committee and to the affirmative vote of the House of Delegates. Associated Societies shall not be eligible to elect Delegates to the House of Delegates of the Association.

ARTICLE VIII. COMMITTEES

SECTION 1. Standing Committees

Except as provided in Article XI of these Bylaws, the Executive Committee of this Association, acting on Advisory Council recommendations, shall have the authority to establish, maintain, and dissolve standing committees of the Association. In like manner, the charge to each standing committee may be modified. A list of standing committees, the charge to each committee, and the names of the chairmen, vice-chairmen, and committee members shall be published annually. The Executive Committee shall report to the House of Delegates at its annual meeting as to the establishment or dissolution of any standing committees since the last meeting of the House of Delegates.

SECTION 2. Appointments and Tenure

Except as provided in Article XI of these Bylaws, the President shall appoint all committee chairmen, vice chairmen and other committee members and fill vacancies whenever they occur, except where otherwise specified in these Bylaws. The Executive Committee shall determine the number of members of each standing committee. The Executive Committee may remove any committee chairman, vice chairman, or other member with or without cause. The term of office of a member of a standing committee, unless otherwise provided in these Bylaws, shall be three (3) years beginning July 1. Appointments of chairmen and vice-chairmen shall be for one (1) year beginning July 1. Members of standing committees (other than chairmen and vice chairmen) shall serve in rotating terms. One-third (1/3) of the members of each standing committee (other than the chairman and vice chairman), unless otherwise provided, shall be appointed each year. No chairman of a standing committee may serve as such for more than three consecutive years. Each chairman and vice chairman of a committee shall be a member of such committee by virtue of his or her office. Committee members shall be Association members of any classification.

SECTION 3. Special Committees and Delegations

In addition to the standing committees, the President may appoint, annually, such special committees and delegations as

the Executive Committee may authorize. Members of special committees shall be appointed for a term of one (1) year only and the President shall designate the chairmen.

ARTICLE IX. FOUNDATION

This Association shall establish an autonomous Foundation as a permanent entity to receive contributions, invest same, and distribute funds for the purposes and provisions as stipulated in Article II of the Declaration of Trust Agreement dated April 4, 1967; provided, that the Foundation need not retain the trust form of organization. The Executive Committee of the Association shall represent the Association's dealings with the Foundation.

ARTICLE X. CERTIFICATION

This Association may establish a technical division to conduct a program of voluntary certification of members in such professional categories as approved from time to time by the Executive Committee of the Association. Each professional category of certification will be sponsored by a technical division which need not be the technical division conducting the certification program. Upon certification a member would be designated as certified in the pertinent professional category by such title as approved by the Executive Committee of the Association. Implementing procedures, including the issuance of appropriate certificates, shall be adopted by the technical division conducting the certification program.

ARTICLE XI. GRIEVANCE PROCEEDINGS

SECTION 1. Adoption and Publication of Implementing Procedures

The Executive Committee shall, in accordance with and subject to the provisions of these Bylaws, adopt procedures governing the investigation, hearing, and disposition of charges of misconduct in violation of Article IV of the Constitution, in accordance with the provisions of this Article XI, and shall publish such procedures in the *Bulletin* or by other suitable means.

SECTION 2. Investigation Procedure

Charges of misconduct in violation of Article IV of the Constitution shall first be submitted in writing to the Executive Director at Association headquarters with a statement of the evidence on which the charges are based. The Executive Director shall submit the charges to the Ethics Committee of the Association which shall be a standing committee and which shall consist of three (3) members of the technical division of the Association charged with conducting the program or programs of certification of members in professional categories and who shall be appointed by the Executive Committee of the Association for staggered three (3) year terms as members of the Ethics Committee. The provisions of Article VIII of these Bylaws shall not apply to the Ethics Committee. The Ethics Committee shall be charged with the investigation and prosecution of such charges, and may conduct such investigation as the Ethics Committee deems necessary to reasonably and thoroughly investigate the charges. If in the judgment of the Ethics Committee and after consultation with AAPG legal counsel, the evidence supports further action by the Association on the charges, the committee shall prepare and file with the Advisory Council at Association headquarters formal charges against the accused member. Upon such filing the Chairman of the Advisory Council shall appoint a Hearing Body from the Advisory Council members, in accordance with Section 3 of this Article XI, and the Ethics Committee shall appoint one of its members as the prosecutor. Notwithstanding anything to the contrary contained in these Bylaws and except for proceedings pursuant to the provisions of Section 8 of this Article,

disposition of the charges on any terms or conditions agreed to by all of the Ethics Committee, the Chairman of the Advisory Council, and the accused member, and approved by the Executive Committee of the Association (regardless of whether such terms or conditions are listed in phrases (a), (b), (c), or (d) of Section 4 of this Article XI) may be made at any time prior to the conclusion of the proceedings provided for in this Article XI and upon such disposition all proceedings under this Article XI concerning the charges of misconduct against the accused member shall cease. The existence of allegations against any member, and the basis and content thereof, is confidential.

SECTION 3. Hearing Procedure

The Hearing Body shall consist of five (5) members of the Advisory Council, including at least one (1) past president of the Association, all of whom shall be appointed by the Chairman of the Advisory Council. Each of the prosecutor and the accused member may challenge and have removed not more than two (2) members of the Hearing Body and such removed members shall be replaced with other members of the Advisory Council selected by the Chairman of the Advisory Council. The Hearing Body shall set the time, date, and place for a hearing on the charges and the accused member shall be given notice in writing of the time, date, and place of the hearing, mailed to the member by registered mail to the member's last-known mailing address not less than thirty (30) days prior to such date, accompanied by a copy of the formal charges and a copy of this Article. The accused member may appear with legal counsel before the Hearing Body, hear any witnesses called in support of the charges and, at the member's option, cross-examine the same, present witnesses in the member's behalf, and submit oral or written statements in the member's behalf. The prosecutor may likewise be represented by legal counsel, present witnesses, and cross-examine the accused member's witnesses. The Hearing Body may consult at any time with legal counsel of its choosing at all stages of the proceedings in which it is involved. At the accused member's option, the accused member may, by registered letter addressed to the Chairman of the Advisory Council at Association headquarters, postmarked not less than ten (10) days prior to the date of the hearing, waive personal appearance and request the Hearing Body to adjudge the matter on the basis of a written statement of the member's defense accompanying such letter.

SECTION 4. Decision of Hearing Body

After the conclusion of the hearing or study of the written defense submitted in lieu thereof, the Hearing Body shall consider and vote to sustain or dismiss the charges. If, by not less than a four-fifths (4/5) vote of all of the members of the Hearing Body, the Hearing Body shall declare sustained the charges against the accused member, then the Hearing Body may impose the following discipline:

- (a) issue a private or public admonition of the member; or
- (b) suspend the member for a stated period of time; or
- (c) allow the member to resign; or
- (d) expel the member.

Failure of the accused member to appear, or to submit a waiver letter and a written defense, as provided in this section, shall not prevent the Hearing Body from rendering final judgement. Notice of the decision of the Hearing Body shall be sent by registered mail to the accused member at the member's last-known post office mailing address.

SECTION 5. Appeals Procedure

Action taken by the Hearing Body may be appealed to the Executive Committee of the Association by either the accused

member or the Ethics Committee within thirty (30) days of the date notice of the decision of the Hearing Body is sent to the accused member. The Executive Committee shall have final authority whether to sustain or order a rehearing on the decision of the Hearing Body.

SECTION 6. Resignation

Resignation by the accused member from the Association, at any stage in the foregoing prescribed proceedings, shall automatically terminate the proceedings. Following resignation, the accused person so resigning shall not be eligible for reinstatement to membership unless by unanimous vote of all members of the Executive Committee of the Association.

SECTION 7. Expulsion

Persons expelled from the Association under these proceedings shall thenceforth be ineligible for reinstatement to membership unless by unanimous vote of all members of the Executive Committee of the Association.

SECTION 8. Alternative Procedure

Any member who pleads guilty to a misdemeanor involving moral turpitude or to any felony or who admits to the violation of any governmental statute, regulation, rule, or code of ethics relating to the practice of geology may be expelled from membership in the Association upon a majority vote of all members of the Executive Committee of the Association.

Any member who does not plead guilty to but is convicted of a misdemeanor involving moral turpitude or of any felony or who is found by a governmental body to have violated any governmental statute, regulation, rule, or code of ethics relating to the practice of geology may be suspended from membership in the Association upon a majority vote of all members of the Executive Committee of the Association. If such a conviction or finding is reversed on appeal, the member shall be reinstated to membership. If such a conviction or finding is not appealed or is upheld on final appeal, the member may be expelled from membership in the Association upon a majority vote of all members of the Executive Committee of the Association. If such a conviction or finding is the subject of an executive pardon, the member shall be reinstated to membership upon a majority vote of all members of the Executive Committee of the Association.

In the event that expulsion of a member so pleading guilty or so admitting violation or suspension or expulsion of a member so convicted or so found is proposed, a date shall be set for a hearing thereon and for consideration by the Executive Committee of such proposed suspension or expulsion. The member shall be given notice in writing of the date and place for the hearing, mailed to the member by registered mail to the member's last-known mailing address not less than thirty (30) days before said date, accompanied by a copy of a court document or other official document indicating such plea of guilty or admission of violation or a copy of the judgment or other document indicating such conviction or finding, a copy of any applicable order of an appellate court or other appellate body, and a copy of this section. At the hearing the member may appear before the Executive Committee with legal counsel, may submit oral or written statements to the Executive Committee, and may present witnesses to testify on the member's behalf before the Executive Committee. The Executive Committee shall have the right to cross-examine the member and any witnesses presented by the member on the member's behalf. At the member's option, the member may, by registered letter addressed to the President of the Association at Association headquarters, postmarked not less than ten (10) days prior to the date of the hearing, request the Executive Committee to consider the matter on the basis of a writ-

ten statement by the member accompanying such a letter without the personal appearance of the member before the Executive Committee. The Executive Committee, if such oral or written statements or testimony of witnesses are presented, shall consider said statements and testimony prior to voting on the suspension or expulsion of the member.

A member expelled from the Association under the procedure stated above shall be ineligible for reinstatement to membership unless reinstated by a unanimous vote of all members of the Executive Committee of the Association.

SECTION 9. Authority

Subject to the provisions of these Bylaws, the Executive Committee shall have primary authority over matters of professional conduct and discipline. No member, committee, Division, Section, or Region of the Association shall initiate or conduct any investigation or hearing or impose any sanction concerning the professional conduct of an Association member or applicant for Association membership, except as expressly permitted by these Bylaws. Procedures adopted by the Executive Committee as authorized by Section 1 of this Article XI shall be in accordance with, and subject to, the provisions of these Bylaws.

SECTION 10. Definition

The term "member" as used in this Article XI shall refer to a member of the Association of any classification.

SECTION 11. Publication of Grievance Matters

The Executive Director of the Association shall cause to be published annually in the Bulletin or by other suitable means a summary of all grievance proceedings initiated, pending, or considered each year. The summary shall include, but not be limited to, the general type of complaint, the level of grievance procedure attained, and status or disposition of the case. Names of parties shall not be published, except that the name of any member expelled from the Association shall be published in said summary.

ARTICLE XII. MEETINGS

The Association shall hold at least one (1) stated meeting of its members each year, at a time and place designated by the Executive Committee.

ARTICLE XIII. DUES

SECTION 1. Fiscal Year

The fiscal year of the Association shall begin on July 1 and end on June 30 of the following calendar year.

SECTION 2. Dues Benefit

The payment of annual dues for any fiscal year entitles the Active Member, Emeritus Member, Junior, Student, or Associate to receive without further charge a copy of the *Bulletin* and the *Explorer* of the Association for that year.

SECTION 3. Dues Schedule and Billing

The annual dues of members shall be payable in advance of the fiscal year in accordance with a schedule to be established annually by the Executive Committee, provided that the dues shall not exceed the sums set forth below:

- Active—Up to \$75
- Emeritus—Up to \$37.50
- Honorary—None
- Junior—Up to \$30
- Student—Up to \$10
- Associate—Up to \$75

The above schedule shall be subject to the following provisos:

- (a) That dues are not refundable;
- (b) That members having previously obtained exemption under the former Life Member category shall not be required to pay dues;
- (c) That Juniors will be required to pay the same rate as Active Members after four (4) years as a Junior;
- (d) That students who join while undergraduates will be required to pay the same rate as Juniors after six (6) years of Student membership; that Students who join while in graduate school will be required to pay the same rate as Juniors after four (4) years of Student membership; that eligibility for Student dues rate will cease prior to the limits herein set forth upon termination of academic enrollment or upon commencement of full-time professional employment or practice; and that individuals from any class of membership upon termination of full-time professional employment or practice and enrollment as a student majoring in geology or in a field of study related to or generally associated with geology at a college of acceptable academic standards may apply for any remaining eligibility for Student dues rate under the provisions herein set forth;

(e) An Associate who applied for Associate membership subsequent to April 11, 1999, and who has completed the degree requirements, but not the experience requirements, for Active membership shall pay one-half of the regular Active membership dues for not more than four (4) years while not having satisfied such experience requirements and shall pay regular Associate dues thereafter while an Associate.

(f) That the annual change in dues for Active Members cannot exceed twenty percent (20%), and that this annual change is noncumulative; and

(g) That a penalty to be established annually by the Executive Committee will be levied for each quarter year of delinquency beginning on July 1.

A statement shall be mailed to each Active Member, Emeritus Member, Honorary Member, Junior, Student, and Associate before July 1 of each year, stating the amount of annual dues.

SECTION 4. Arrears and Suspension

Any member of whatever classification whose dues are in arrears for more than sixty (60) days and for less than one (1) year shall be suspended from membership in the Association and shall not be entitled to the privileges of membership.

SECTION 5. Forfeit of Membership

Any member of whatever classification who is more than one (1) year in arrears in payment of dues shall forfeit membership in the Association and the member's name shall be removed from membership rolls.

ARTICLE XIV. AMENDMENTS

SECTION 1. Proposal of Amendments

Amendments to these Bylaws may be proposed by the following means:

- (a) Resolution by the Executive Committee;
- (b) Resolution of the House of Delegates;
- (c) Written proposal signed by fifty (50) members of the Association.
- (d) Resolution by a majority vote of the Officers of the House of Delegates and the Chairman of Constitution and Bylaws Committee of the House of Delegates.

SECTION 2. Amending Procedure

Upon receipt of such proposals, they shall be referred to the Chairman of the House of Delegates, who shall then forward

them to (a) the Executive Committee and (b) to the Constitution & Bylaws Committee of the House of Delegates for review and a report to be presented to the members of the House of Delegates, in accordance with its Rules & Procedures.

SECTION 3. Publication of Amendments

The Executive Committee shall cause proposed amendments to be published in the *Bulletin* or by other suitable means at least ninety (90) days prior to the annual meeting of the House of Delegates.

SECTION 4. Consideration of Amendments

Proposed amendments shall be considered at the annual meeting of the House of Delegates and shall be passed upon receipt of a two-thirds (2/3) affirmative vote of the Delegates present and voting.

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