

2019 ANNUAL REPORT

— For the Fiscal Year July 1, 2018-June 20, 2019 —

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—explorationists 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. Hines
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.

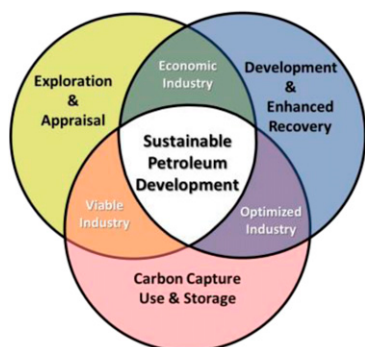
Reports of the Officers, Advisory Council, and House of Delegates

President

The 2018-2019 Executive Committee (EC) and AAPG's staff worked together to address the strategic geoscience and business aspects of AAPG as a professional society in a rapidly evolving global energy industry.

Sustainable Development

The 2018-2019 presidential theme of Sustainable Development embraced the fundamental values of AAPG. We continue to explore sedimentary basins, develop the energy resources they contain, and the technology to maximize extraction with minimal environmental footprint including carbon capture use and storage.



In this way we “meet the needs of the present without compromising the ability of future generations to meet their own needs,” the definition of sustainable development. Sustainable Development has become a unifying concept for the petroleum industry's role in providing “access to affordable, reliable, sustainable and modern energy for all.”

Global Outreach – Membership Engagement

Sustainable Development is a concept that provides a forward-looking framework for AAPG to address the role of petroleum geoscience in the energy mix. It allows AAPG and the petroleum industry to communicate broadly the economic, environmental and societal benefits of the petroleum industry. These aspects of the petroleum industry are important



to our membership, especially young professionals and the next generation of students entering universities, and result in cause-driven membership for AAPG. The Sustainable Development Ad Hoc Committee is coordinating AAPG's technical content and outreach efforts.

The AAPG president's schedule to meet with companies and present talks to professional societies was coordinated with AAPG Foundation Visiting Geoscientist requests to speak at universities. The presentations and active engagement through panels and group discussions in 24 countries included 18 professional society conferences or meetings, 28 universities, and 5 Student and Young Professional (YP) leadership events reinforced AAPG's global presence and provided an opportunity to communicate our science and demonstrate our professionalism. I gratefully acknowledge the additional support of Storm Energy, Ltd. for AAPG geoscience outreach.

Highlights from the year's activities are recorded in the *EXPLORER* President's column and public posts on Facebook tagged with @AAPG and #SustainableDevelopment #AAPGSustainsMe.

Student/YP Global Leadership Summit (SC/YPLS) – Connecting AAPG Leaders

This year we coordinated the Advisory Council midyear meeting with an Executive Committee meeting and a Student and Young Professionals Leadership Summit. It brought together AAPG's experienced leaders with AAPG's future leadership and membership advocates. One of the value propositions of AAPG and a key to membership retention is to bridge the gap between members, young professionals, and students.

Sister Society Outreach

AAPG had a presence at the Geological Society of America with a technical session, “At the forefront of exploration and critical thinking” featuring AAPG's Distinguished Lecturers (DL). AAPG also organized technical oral and poster sessions on “The role of geoscience in sustainable energy solutions” for the American Geophysical Union's annual meeting. The sister society sessions and AAPG's presence in the exhibit halls were an opportunity for membership outreach with academia, government, and industry professionals interested in subsurface geoscience and energy.



Membership

AAPG president-elect Mike Party introduced the Membership Initiative Delivering AAPG Sustainability (MIDAS). It is a cooperative effort with the House of Delegates (HOD), the branch of AAPG governance charged with membership, to work with Corporate Advisory Board, Divisions, Sections and YP's to contact current and dropped members to renew their membership.

House of Delegates

Recognizing that one of the barriers to AAPG membership is the sponsorship requirement and acknowledging that the Division of Professional affairs provides an avenue to verify the ethical and professional character of members, the HOD passed an amendment to the bylaws to eliminate the requirement for sponsorship. The HOD also addressed a code of conduct issue that is of high importance to all professional societies and passed the Disciplinary Code amendment to AAPG's bylaws. Both amendments should have a positive effect on AAPG's membership.

Climate Change

The EC formed an Ad Hoc Committee of climate and paleo-climate scientists to address the topic of climate change. Although no official action was taken on a statement brought forth by the Ad Hoc Committee, it began a dialogue for AAPG to discuss an issue of importance to AAPG's membership, industry, and academia.

Science and Technology – Relevant Energy Content

When we meet at AAPG conferences, AAPG is fulfilling its mission and at its best: technical content with a business focus bringing together a diverse audience of

attendees from academia, government and industry.

Geologic Events Oversight Committee

On the recommendation of the Geologic Events Oversight Committee, the EC approved the formation of a Global ACE Organizing Committee. This restructuring changes the ACE operating model from a location-based, affiliated society organizing committee to global committee independent of location. These changes are consistent with industry trends and recommendations from AAPG's Corporate Advisory Board to hold events in locations with large energy industry populations to maximize access to AAPG science and technology. ACE 2020 will be in Houston, Texas and in 2021 in Denver, Colorado.

The ACE restructuring also prompted a review and change in the ACE Surplus Sharing Policy. Beginning with ACE 2020, funds will be calculated based on net financial surplus and distributed proportional to geographic attendance to all AAPG sections and regions. The

section and region leadership will be responsible for further distribution of ACE funds to the AAPG affiliated societies. The new policy makes a stronger technical and financial connection between AAPG and all its sections and regions irrespective of event location.

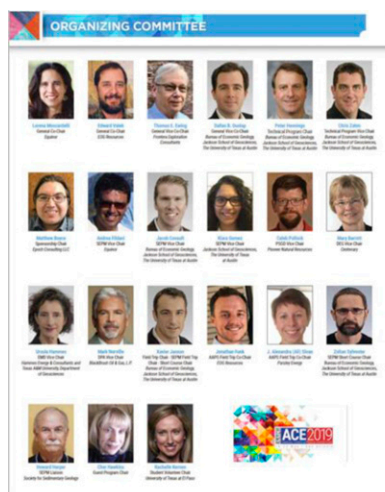
ACE 2019

AAPG's Annual Convention and Exhibition was held in San Antonio and cohosted by the South Texas Geologic Society and the Austin Geological Society. Lorena Moscardelli, Equinor and Eddie Valek, EOG Resources, general cochairs, along with general vice cochairs Tom Ewing, Frontera Exploration and Dallas Dunlap, the Bureau of Economic Geology, and the entire Global Organizing Committee, delivered a dynamic and engaging conference and exhibition including 9 short courses, 11 fields trips, the International Pavilion, and U-Pitch.

New themes included Deep Integration of Data and Disciplines; Business, Finance, and the Regulatory Framework; and Energy Sustainability and the Environment. The blend of traditional and new themes brought an attendance and vitality to ACE that was enthusiastically noted by many. The Imperial Barrel Award competition, Student Career Seminar, and The Big Crew Change Session provided additional opportunities for mentoring, member engagement, and career networking.

ICE 2019

General chair Femi Esan assisted by general vice cochairs Sa'id Al Hajri, Saudi Aramco and Nosa Omorodion, Schlumberger, and Neil Hodgson, Spectrum organized an outstanding conference and exhibition for ICE



2019 in Cape Town, South Africa. Plenary sessions, panels, and special sessions on Global Energy Supply and Demand, Africa Successes, Next Age Technology, Business and the Regulatory Environment, and the Value of Diversity augmented the technical sessions for the five themes, three short courses, and two field trips. Student and Young Professional workshops and activities provided additional opportunities to network and meet AAPG leaders. ICE 2020 will be in Madrid, Spain.

International Pavilion

The International Pavilion is an integral part of AAPG's events and an important part of AAPG global presence. The IP, LLC was dissolved and now operates as a successful part of ACE, ICE, and other AAPG events.

U-Pitch

U-Pitch continues to grow as an entrepreneurial showcase for the innovated ideas and technology in the energy industry. U-Pitch, launched with ACE, now has a strong presence on the exhibits floor at ICE and URTEC and is expanding to section and region events.

New Events

AAPG launched two new events and participated in one new joint society event during the 2018-2019 year. The events addressed the technical and business aspects of the energy mix, the digital transformation, and will be offered again.

Energy Opportunities Conference, Cartagena, Colombia. The AAPG Latin America and Caribbean Region, led by Victor Vega, Shell organized a conference of quality technical, business, and innovation sessions with a high-level and diverse slate of speakers. The country snapshots – technical reviews highlighting investment options throughout the region – along with the facilitated Business-to-Business sessions truly allowed attendees to explore Energy Opportunities. Energy Opportunities will be run in Mexico City, 2020.

Energy Transitions Forum, Amsterdam, The Netherlands. The concept for the forum originated with the AAPG Europe Region leadership and was realized under the leadership of Max Brouwers, Shell. The forum covered four themes: the future of energy, sustainability, digitalization, and skills and new ways of working. Interactive panel-audience Q&A, in-depth exploration

of topics through café sessions, TED-style talks, and an IBM Design Thinking work session made for an engaging forum. The forum was successfully run again in Edinburgh, October 2019.

AAPG-SEG-SPE Energy in Data Conference, Austin, Texas, June 17-19, 2019. Managed by the Society of Exploration Geophysicists, the conference addressed the digital transformation in the petroleum industry, rethinking workflows, and how companies will conduct business from exploration to production to delivery. The conference will be offered again in 2021.

Outside Operated Events

AAPG continues to contribute to and benefit from established multi-partner events NAPE, OTC, and URTEC. AAPG and its partners launched regional events for both NAPE and URTEC to meet market demand and address the technical and business needs of our members.

Programs

The association greatly appreciates the dedication of our volunteers and the continued support of the AAPG Foundation for the education and outreach programs.

Programs face strategic decisions related to the in-person visits versus online distribution of content and engagement with AAPG's global membership. The Imperial Barrel Award program has evaluated section and region virtual competitions to manage costs and the Visiting Geoscientist Program has introduced online webinars to maximize its global reach.

Distinguished Lecturer. This year, the AAPG Foundation Distinguished Lecturer program recorded videos of the six lecturers and made them widely available through AAPG's media. Lecturers made in-person visits that focused on larger audiences and connections with AAPG's sections, regions, and sister societies. The strategic change in the DL program heightens the importance of local technical and non-technical visits by AAPG Visiting Geoscientists to maintain connections with students and universities.

Podcasts. Personal interviews with the Distinguished Lecturers captured as "Digging Deeper" video recordings helped test the market for AAPG podcasts. Podcasts are an avenue for AAPG to deliver content and engage

with members, especially the younger demographic. They are also a potential source for fee-based revenue or advertising income.

Publications

One of AAPG's greatest assets is its technical content. The manner in which scientists are accessing content and how scientific organizations are rebundling content for publication is rapidly evolving. Content continues to move from hard copy into digital and print-on-demand space.

Bulletin and Special Publications. The EC approved incorporating AAPG memoir content into special issues of the *Bulletin*. The move provides a solution to hard copy publication costs and offers authors more timely exposure to the *Bulletin* and its high impact factor. Hard copy publications will continue to be considered based on topic and sponsorship. Two special publication books were released in FY2018-2019: *Memoir 115 Rift-Related Coarse-Grained Submarine Fan Reservoirs* and *Memoir 117 Petroleum Basins and Hydrocarbon Potential of the Andes of Peru and Bolivia*.

Datapages. The Datapages Board is keeping abreast of new technology to move AAPG's unstructured published content onto a platform that allows structuring and database aggregation that can be utilized in machine learning. Re-bundling of content opens new avenues for AAPG content to provide new revenue streams. The EC supported a proposal from the Datapages Board to evaluate technology platforms for improved delivery of the *Bulletin* and AAPG content.

Geoscience World. AAPG, through its seat on the GeoScienceWorld Board, is monitoring trends in open access publishing. GeoScience World is moving forward with an open access journal with a high impact factor as a place for papers with mandatory open access requirements. As a resource for earth science journals including the *AAPG Bulletin*, Geoscience World is an additional avenue to drive traffic back to AAPG for membership.

The Business of AAPG – Fiscal Stewardship

The 2018-2019 fiscal year ended with a stronger global presence, new ways to connect with multiple generations of geoscientists, and a balanced budget. It is imperative the association continue to



evaluate operations and partnerships to remain responsive to geoscientists and the rapidly evolving energy industry.

Budget and Investment portfolio

The Association had positive financial results this year due to favorable variances from the membership dues increase, Datapages revenue, and better than anticipated income from outside multipartner events. AAPG continues to operate prioritized programs within the constraints of the budget with a lean, dedicated staff responsive to the membership. The investment portfolio performed well and ended the year with better than budgeted results. The investment portfolio is now ably managed by Vanguard with oversight by AAPG's Investment Committee.

Defined Benefits Program

The termination of the Defined Benefit Plan, recommended by the Pension Committee and approved by the 2017-2018 EC, removed a long-standing liability for AAPG. The program termination was completed in 2018 in accordance with IRS regulations with funds set aside in the investment portfolio below projected cost.

Respect the Past, Live in the Present, Plan for the Future

On behalf of the 2018-2019 Executive Committee, we recognize with respect all the past AAPG members, volunteers, and leaders whose wisdom and tenacity have shepherded AAPG to this point.

It has been a privilege to serve the AAPG with the 2018-2019 Executive

Committee: president-elect Mike Party, vice president regions Dave Cook, vice president sections Jeff Aldrich, secretary Laura Johnson, treasurer Richard Ball, editor Barry Katz, and HoD chair Bill Houston – their insights, dedication and good humor made the year productive and rewarding.

A sincere note of gratitude to AAPG's executive director David Curtiss and deputy executive director David Lange along with the entire AAPG staff for their support – they are the continuity that sustains the Association.

Finally, I am thankful for all the AAPG members – you are the heart and soul of AAPG.

Onward!

Denise M. Cox
AAPG President 2018-2019

Treasurer

Despite the continuing challenges as a result of the downturn of the energy industry from 2015, fiscal year 2019 reflected the first financial relief for the organization since 2014. The new economic environment continues to impact meeting attendance, sponsorship and exhibitors which support the geosciences resulting in a lower. Despite these trends, AAPG's programs and events performed fairly well during the year. Our continued focus to optimize our operations allowed for AAPG to finish favorable to budget for the year. This was the first time in a number of years that we were able to end the year with an overall surplus.

Revenues from dues were a refreshing relief as the rate of recent decline in our

membership slowed. Interest and dividends were also a very nice result as our portfolio, managed by the AAPG Investment Committee, performed well in the stock market. Subscriptions to the *Bulletin*, revenue from educational activities and sales of publications have declined. The publications and subscriptions look to face increased pressure as the tastes and preferences of consumers change and mergers and acquisitions concentrate the available customers.

AAPG continues to benefit from our cooperative partner events, including the NAPE Expo and our interests in the Offshore Technology Conference (OTC). The NAPE event was up slightly as was the OTC in fiscal year 2019. AAPG's presence and participation in these partner events remains an important aspect of our activities and sources of revenue.

We continue to challenge ourselves and headquarters staff to be good stewards of our members' resources while delivering a high level of member benefits. Despite cost saving and expense reduction efforts, overall expenses for the year were higher from the prior year but were lower than budget.

The AAPG Budget Review Committee and Executive Committee are continuing to evaluate AAPG's programs and activities to determine which activities should continue to be supported in these challenging economic times. The business uncertainties facing the oil and gas industry will continue to put pressure on our pool of available resources. We will continue to not only focus on cost savings, but also invest in programs that provide value to our members and promote our profession. Our Tulsa headquarters staff continues to review ways to reduce costs and improve efficiencies in operations as doing more with less remains a byproduct of the continued industry downturn.

The Investment Committee is working to ensure that AAPG's investment portfolio is properly positioned to help the Association deal with future economic uncertainties. The growth in the Association's investment portfolio during the year provided a larger financial reserve.

Looking forward to FY 2020, your Executive Committee expects a favorable financial year. We will continue to be prudent with our members assets while AAPG continues to serve its members and the geoscience community.

Richard Ball

Statement of Income and Expenses

	General Fund FY 2017-18	General Fund FY 2018-19	Budget FY 2018-19
Operating Income			
Dues	\$1,794,398	\$2,078,847	\$1,530,390
BULLETIN Subscriptions	239,165	193,946	256,782
Advertising Income	790,896	698,109	824,965
Sales of Publications	935,708	785,616	1,060,356
Interest and Dividends	367,510	592,623	250,000
Investment Income - Other	780,172	718,457	525,000
Investment Income from NAPE	526,164	589,481	825,000
Education and Misc. Service Fees	2,582,926	2,139,266	2,795,824
Conferences and Meetings	6,796,351	7,393,507	7,473,633
Page Contributions	1,168	72	1,503
Gain (Loss) on Datapages	35,744	238,572	169
Gain (Loss) on International Pavilion	(50,493)	2,218	-
Grant Income	672,691	726,316	751,901
Miscellaneous	63,541	181,952	130,001
TOTAL OPERATING INCOME:	15,535,941	16,338,982	16,425,524
Operating Expenses			
Salaries	3,881,727	4,099,307	4,234,218
Employee Benefits	1,791,549	1,383,223	1,684,381
Publishing Cost of BULLETIN	241,807	300,869	188,063
Publishing Cost of EXPLORER	138,905	96,678	125,000
Cost of Special Publications Sold	159,847	111,141	103,063
General Office	742,443	657,115	820,792
Postage and Shipping	267,202	267,150	287,178
Building and Occupancy	268,517	360,892	281,873
Professional Fees	1,551,246	1,731,947	1,448,151
Staff Travel	263,340	320,870	245,547
Professional Travel	581,949	726,936	1,012,336
Conferences and Meetings	5,194,457	5,404,268	5,114,157
Depreciation	153,067	192,396	131,699
Dues & Support - Am. Geol. Institute	26,844	20,133	27,784
Meeting Presence / Display	714	-	5,887
Miscellaneous	774,011	443,406	644,776
Miscellaneous Grants and Awards	90,648	87,873	89,195
TOTAL OPERATING EXPENSES:	16,128,273	16,204,204	16,444,100
Income (loss) from Operations	\$(592,332)	\$134,778	\$(18,576)
BALANCE SHEET SUMMARY			
Assets	\$20,054,135	\$22,322,074	
Liabilities	7,960,057	9,068,000	
Fund Balance	12,094,078	13,254,074	
Total Liabilities and fund Balance	\$20,054,135	\$22,322,074	

Editor

The *AAPG Bulletin* remains strong with 283 new submittals in 2018 along with 428 revised submissions. The disposition of these initial submissions is summarized in Figure 1. Approximately half of the submissions were rejected in present form, indicating that the science is of interest but there are significant flaws with the manuscript that can be corrected. Slightly more than 25% of the submissions were accepted pending revision, suggesting only relatively minor revisions are required prior to final acceptance and publication. Just under a quarter of the manuscripts were rejected. Rejections fall into multiple categories: the science was

deemed poor, the writing quality was such that a review could not be completed, the manuscript is nonunique or may be plagiarized (this could include self-plagiarism), or the manuscript was submitted from a sanctioned country.

These manuscripts were received from 38 countries. The United States accounted for approximately 25% of the submissions. China accounted for 43% of the submissions. The remaining 36 countries account for about one-third of the submissions. A further review indicates that slightly more than 70% of the submissions are submitted by authors with English as a second-language, which places stress

on the publication processes at multiple levels. One manuscript required seven revisions prior to its final acceptance.

The total number of submissions required the editorial team to contact 1590 potential reviewers. Of these 643 individual reviewers were engaged and 176 of these reviewers provided multiple reviews. The top reviewers, with more than five reviews, are presented in Table 1. The countries contributing to the greatest number of completed reviews were the United States (254), China (222), and the United Kingdom (39). The remaining reviews were from 33 other countries.

The *Bulletin* included one special issue documenting some of the contributions to the AAPG Hedberg Research Conference on "The Future of Basin and Petroleum System Modeling" (BPSM), held in Santa Barbara, California, April 3–8, 2016.

In 2018 the *Bulletin* added pages and ended its practice of publishing the organization's honorees and annual report to make more space for technical contributions.

The Wallace E. Pratt Memorial Award for the best *AAPG Bulletin* article was awarded to Kurt William Rudolph and Franklin James Goulding for "Benchmarking exploration predictions and performance using 20+ yr of drilling results: One company's experience." The J. C. "Cam" Sproule Memorial Award for best paper to a younger author was awarded to Yuanjia Han, Brian Horsfield, Richard Wirth, Nicolaj Mahlstedt, and Sylain Bernard for "Oil retention and porosity evolution in organic-rich shales." The Robert H. Dott, Sr. Memorial Award was not awarded.

In 2018 we published two memoirs: *Rift-related coarse-grained submarine*

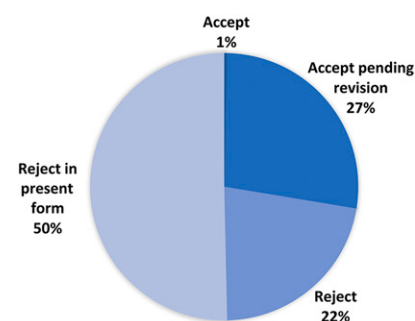


Figure 1. The disposition of 2018 initial submissions.

Table 1. Top reviewers for 2018.

Reviewer	Number of Review
Friedemann Baur	7
Wenya Lyu	7
Yuanjia Han	6
Boqin Sun	6
Ian Ball	5
Zhonghong Chen	5
Sedat Inan	5
Stephen E. Laubach	5
Jessica E. Little	5
Keyu Liu	5
Michael Sweet	5
Guochang Wang	5

fan reservoirs; the Brae Play, South Viking Graben, North Sea edited by Colin C. Turner and Bryan T. Cronin and *Petroleum basins and hydrocarbon potential of the Andes of Peru and Bolivia* edited by G. Zamora, K. R. McClay, and V. A. Ramos.

This being my last report to the Association, I must thank the authors, all the Tulsa staff once again, especially Paula Sillman, the members of the Editorial Board, and the reviewers, and my

wife Terry who donated my time to the Association.

Barry J. Katz, Editor

Advisory Council

Simply put, the work of the Advisory Council is to recommend officer candidates and Honors and Awards nominees to the Executive Committee for their consideration and approval, to deliberate strategic directions, and to bring the diverse and talented group of Advisory Councilors together on special projects or deliberations helpful to plan the future of AAPG.

Several council members have commented that this is the most diverse group among all of AAPG's committees. Representatives serve from every section, region, division, and the House of Delegates.

Ground rules this year included respect for each other; positive environment; celebration of a wonderfully talented group with many perspectives; opportunity for all members to be heard; focus on bringing solutions not problems (where possible); and personal responsibility for the group to become the change we seek. Our dedication: "We are entrusted by our

members to work in this moment as a team to further AAPG's scientific and professional goals to make our society, profession, industry and world a better place within a responsible business framework."

Members

Charles Sternbach, chair, 2018-2019
Paul W. Britt, past chair, 2017-2018
John R. Hogg, past chair, 2016-2017
Wayne Camp, EMD president 2018-2019
Mary Barrett DEG president 2018-2019
Mark Gallagher, DPA president 2018-2019
David J. Entzminger, HoD past chair 2018-2019

Section Councilors

Craig Eckert, Eastern Section 2016-2019
Deborah Sacrey, Gulf Coast Section 2017-2020
Bill Whiting, Gulf Coast Section 2017-2020
Joseph R. Davis, Southwest Section 2017-2020
Joel A. Alberts, Mid-Continent Section 2017-2020
Anne Draucker, Pacific Section 2018-2021
Natasha Rigg, Rocky Mountain Section 2018-2021



International Region Councilors

Nosa Omorodion, Africa Region 2016-2019

Ryan Lemiski, Canada Region 2017-2020

Mark Tingay, Asia/Pacific Region 2017-2020

Víctor Vega, Latin America & Caribbean Region 2017-2020

Salim Al-Mahrouqi, Middle East Region 2017-2020

Nick Lagrillere Europe Region 2018-2021

Honors/Awards Committee

Chair: Joe Davis

Vice-Chair: Ryan Lemiski

Officer Nominations Committee

Chair: Craig Eckert

Vice-Chair: John Hogg

And observers.

Thanks to Honors and Awards chair Joe Davis and vice-chair Ryan Lemiski and to Officer Nomination chair Craig Eckert and vice-chair John Hogg. These committees worked proactively, respectfully, and collaboratively to recruit and recognize an outstanding slate of globally diverse officer candidates and awardees.

Thanks to President Denise Cox for hosting a concurrent Young Professionals (YP) Summit on October 19-20, 2018. By careful planning, the Advisory Council and YP summit coordinated to bring current and future leaders together. In addition, YP attendees received a copy of the DPA/AAPG publication *Heritage of Petroleum Geologists*. This book

features inspirational stories from 101 amazing men and women in the energy profession.

As part of the Advisory Council efforts this year, I include this report by Strategy and Long-Term Planning committee chair Nick Lagrilliere and the following committee members: Joel Alberts, Paul Britt, Joe Davis, Anne Draucker, Craig Eckert, John Hogg, Ryan Lemiski, and Natasha Rigg

Following the Advisory Council meeting in October, the revitalized committee set out to define its vision, mission, and goals. The committee held a grounding session in which external (Shell scenarios, BP Energy Outlook, EIA Annual Energy Outlook, etc.) and internal (AAPG Strategic Plan 2012, AAPG Ad Hoc Committee on Governance 2015, AAPG Strategic assessment 2017) perspectives were used to define its vision as "Providing the foundation for long-range planning and strategy in AAPG." The committee set out on its mission to

- identify opportunities for business growth, investigate new business areas (geothermal, environmental, energy minerals, etc.);
- investigate technological developments (artificial intelligence, machine learning, etc.);
- evaluate whether there are high-impact low-cost programs to be developed and low-impact high-cost programs to be retired;
- ensure that AAPG deploys lean and cost-effective processes; and
- work towards longer term goals of reflecting on changes to AAPG governance, define the Association's

future by reviewing review, and updating the AAPG strategic plan.

The committee identified a number of near-term goals, which were mostly delivered by the 2019 annual convention in San Antonio. An analysis was conducted and a number of recommendations developed to ensure that the honors and awards nominations reflect the current diversity and the Association. Progress was made towards defining actions required to develop a leadership pipeline and succession planning. An initial analysis of programs found that past efforts to retire low-impact high-cost programs has been successful. A proposal to eliminate the sponsorship requirement for qualified members was carried by the Advisory Council and subsequently proposed by the Constitution and Bylaws Committee to the House of Delegates which then voted in favor. In collaboration with the International Regions Committee, the competitive environment in the Regions was analyzed.

The focus is now shifting to the midterm goal of reviewing and updating the AAPG strategic plan for which a new committee working group will be formed, which will aim to collaborate broadly with the Divisions, Sections, Regions, Corporate Advisory Board, etc. We will strive to further develop Region specific business plans framed in the local competitive landscape. The aim is to also provide the strategic framework for future proofed programs and activities that are underpinned by sound financial performance. Current efforts regarding honors and awards, nominations, leadership pipeline and succession planning will be also be continued. In the long term, the committee envisages



its focus shifting towards the intense competition from other societies that consistently outperform AAPG and looking at potential structural solutions to address the situation.

I would like to take this opportunity to thank the committee members for delivering quality analyses and reports, maturing concrete proposals and engaging discussions...with room for plenty of laughter along the way. Special thanks to Vicki Beighle, Vern Stefanic, and the staff in Tulsa for their continued dedicated support. Finally, my appreciation to the other members of the Advisory Council and in particular chair Charles Sternbach for taking a keen interest and being actively involved in the key discussions.

Nick Lagrilliere

Chair, Strategy & Long-Term Planning Committee

**Europe Region Advisory Councilor
AAPG Advisory Council**

**C. A. Sternbach, Advisory Council
chair (2018-2019)**

House of Delegates

Although the House of Delegates (HOD) chair-elect has one year to get up to speed, the one year spent as chair of the House goes by extraordinarily quickly! In addition to steering the activities of the House, the chair is a voting member of the Executive Committee and serves as an observer on the Advisory Council (and a voting member of the AC as past- chair of the House).

The biggest challenge for the chair is to pursue a manageable agenda over the course of the year. This is especially true for any proposals involving rules and procedures or the constitution and bylaws. Oftentimes proposals involve simple housekeeping, while others require extended debate to evaluate significant change. Every effort is also made to craft an annual meeting agenda that is manageable. At +/-4 hours in San Antonio, this is within but at the fringe of productive limits.

In San Antonio significant proposals were passed by super majority (>2/3 of voting members voting for):

- Amendment to the bylaws passed clarifying our elected delegate terms of office (see updated Constitution and Bylaws (C&BL), Article VI; 1.C.5)
- Amendment to the bylaws passed removing the requirement for endorsement by a sponsor for membership (see updated C&BL, Article III; 1.A.2.a)
- Amendment to the bylaws passed strengthening our professional conduct and discipline policy (see updated C&BL, Appendix B; section 1)
- Amendment to the HOD Rules and Procedures passed by inserting a new section IV on Professional Conduct and Discipline defining (A) professional conduct and (B) violations of professional conduct. In addition, (C), (D), and (E) stipulated procedures to follow should complaints/accusations of violations against a Member be lodged (see updated Rules and Procedures Section IV).

You can find the updated versions of the relevant documents at:

- <https://www.aapg.org/Portals/0/docs/aapg-constitution-bylaws.pdf?v=51919>
- <https://www.aapg.org/about/aapg/overview/committees/hod/articleid/777/a-rules-and-procedures>

At the end of the meeting 130+ delegates participated in an electronic survey regarding various elements of the House structure and business. The results of this survey can be found in the July 2019 issues of the *Delegates Voice*, including commentary from chair-elect John Kaldi.

The elected House leadership team for 2019-2020 includes:

John Kaldi, chair john.kaldi@adelaide.edu.au

Steve Brachman, chair-elect
sbrachman@wapitienergy.com

Jennifer Gamrod, secretary/editor
jennifer.gamrod@okstate.edu

In the interest of establishing priorities and managing the 2018-2019 agenda, some topics for debate were deferred to 2019-2020, including

- The AAPG annual dues cap in the bylaws
- A change in the role/scope of the EC position of Editor
- Delegate selection methods for the Sections and Regions
- Modifying the selection process for HoD awards
- Modifying or sunseting some HoD committees

These issues, along with others, will be prioritized by the 2019-2020 leadership team.

William Houston

**House of Delegates Chair
2018-2019**

Report of the Foundation

The AAPG Foundation was established to support programs that benefit the geologic profession and the general public. Our purpose is to encourage a better understanding and advancement of the geosciences and to establish programs and fund projects that support the education, training and career enhancement for earth scientists.

My report will provide an update on the Foundation's activities and preliminary financial results for the past fiscal year which ended on June 30, 2019. Please be aware the Foundation is currently in the midst of its annual financial audit, and the financial information presented here is unaudited and is subject to change.

Contributions and Program Support

Contributions to the Foundation this past fiscal year (July 1, 2018– June 30, 2019) were \$551K, and awards and grants amounted to \$1.17M. Contributions to the Foundation for FY 2018 were significantly higher, predominately due to a bequest from the estate of Frank Adler in the amount of \$530,639.

As is typical, 80% of total contributions are from AAPG members. Eighty-five percent of the contributions were from individuals with 15% coming from corporations.

The Trustee Associates support has been and continues to be a critical and important factor in the growth and development of the Foundation.

During the past year, the Foundation continued to support many of the important geological programs it has supported previously including: (in \$ thousands)

• Grants-In-Aid	\$ 286
• Imperial Barrel Award	\$ 172
• Bulletin Fund	\$ 141
• L. Austin Weeks Undergraduate	\$ 84

• Visiting Geoscientists Fund	\$ 44
• Distinguished Lecture	\$ 31
• Deana & Paul Strunk Military Veterans	\$ 20

In addition, the AAPG Foundation Trustees approved proposals for funding for the following:

- Interactive Geology Program, University of Colorado
- YMCA Threet Quarry Project
- Geoscientist without Borders
- Newly Released Publications
- Teacher of the Year Award
- The Halbouty Lecture
- The Inspirational Geoscience Award
- AGI Earth Science Week Poster
- Holland Award of Excellence
- AGI Earth Science Week
- AAPG Honors and Awards
- Foundation Awards
- Houston Museum of Natural Science Educational Programming
- Friends of Dinosaur Ridge

The U.S. Military Veterans Scholarship Program was renamed the Deana and Paul Strunk Military Veterans Scholarship Program. The MVSP committee awarded \$20K to 10 veterans from across the country. You can learn more about the veteran scholarship recipients by visiting <http://foundation.aapg.org/programs/mvsp-recipients.cfm>.

AAPG Foundation Investment Portfolio

The investment portfolio is conservatively invested and well diversified. The portfolio includes public and private equity investments, fixed income mutual funds, international investments and real estate. Last fiscal year, the Foundation's investment portfolio showed a modest decrease net of withdrawals with an ending balance of \$48.4M as of June 30, 2019. This

compares to \$48.5M as of June 30, 2018, \$47.9M as of June 30, 2017, \$45.0M on June 30, 2016, and \$46.5M on June 30, 2015. The Foundation continued to utilize a 4% spending rate on endowed funds in support of programs.

Governance

The Board of Trustees at the end of June 2019 consisted of Jim Gibbs (chairman), Larry Jones (vice chairman), Mike Wisda (secretary), Lee Backsen (treasurer), Jim McGray, and Valary Schultz.

Paul Weimer was elected to serve on the Regular Member of the Members of the Corporation at the meeting in San Antonio.

Trustee Associates Membership

The AAPG Foundation would like to thank the Trustee Associates officers Larry Jones (chair), Martin Shields (vice chair) and Bill Monroe (secretary-treasurer) for their service.

There are currently 285 Trustee Associates members.

Other Highlights

- John F. Bookout received the L. Austin Weeks Memorial Medal for 2019.
- John H. Silcox was awarded the Chairman's Award for 2019.

The Trustee Associates' support has been and continues to be a critical and important factor in the growth and development of the Foundation. Your support is essential to the growth and future of AAPG Foundation programs. We thank each of you for your dedication and commitment.

**James Gibbs, Chairman
Board of Trustees**

Reports of the Divisions

Energy Minerals Division

The primary mission of Energy Minerals Division (EMD) is to serve AAPG members by promoting the geological sciences related to any geological energy resources other than conventional oil and gas. Membership is free to all AAPG members. The EMD currently has 10 active commodity committees, listed alphabetically: bitumen/heavy oil, coal, coalbed methane, critical minerals, gas hydrates, geothermal, oil shale, shale gas & liquids, tight gas sands, and uranium. Each commodity committee is chaired by representatives from industry, government, and academia, serving two-year terms. The president's goals for fiscal 2018-2019 were (1) member engagement, (2) servant leadership, and (3) intersociety cooperation.

Major Accomplishments

- Adopted quarterly leadership meetings to improve communication
- Updated our bylaws that was approved by our members
- Instituted a quarterly newsletter to improve member engagement
- Instituted monthly News & Articles contributions for our website blog
- Published the 2017 biennial unconventional resources review article in the *Natural Resources Research Journal* (Springer)
- Published a two-part series in the *AAPG EXPLORER* on the history of EMD in celebration of our 40th anniversary in 2017
- Completed the annual commodity reports that are available on the EMD website
- Assisted in organizing the technical sessions for the 2019 ACE and ICE
- Organized Unconventional Reservoir technical session for CSPG October 2019 Gussoo Conference (Banff)
- Organized Mudstone Diagenesis workshop for SEPM International Sedimentary Geosciences Congress April 2020 meeting (Flagstaff)
- Filled vacancies for four section councilors and two region councilors (one vacancy remains)
- Added new Publications Committee chairs, a new Critical Minerals technical committee, and a Young Professional liaison position

New Proposals

- Researching possibility of preparing map content from EMD annual reports as

searchable "Exploration Objects™" with AAPG Datapages. Little progress has been made while Datapages is exploring potential format revision.

- EMD proposed technical session on the Niobrara shale for March 2019 GSA joint section meeting did not attract enough abstracts to form a separate session. The GSA Energy Geology Division interested in continuing working with EMD to recommend topics of interest for future technical sessions.

Future Recommendations

- To publish EMD annual reports with AAPG Search and Discovery to expand readership
- To revise EMD Procedures Manual to conform with new bylaws
- To review and update current Commodity Committee structure
- To explore ways to update the EMD website and other forms of member communication
- To improve communication with EMD Councilors to help assist in planning EMD-themed workshops and other meetings
- To work with the GEVO and ACE Organization Committees to recommend EMD related topics and assist in organizing future ACE and ICE meetings
- To explore options to become more involved with planning URTEC and SEPM meetings

Wayne Camp, Energy Minerals Division President, 2018-2019

Division of Environmental Geosciences

In 1992 the HoD approved the creation of the Division of Environmental Geosciences (DEG) under the leadership of Bruno Hanson. Hanson's vision was that the petroleum industry would continually demonstrate both environmental stewardship and leadership. Our goals and objectives are as follows.

- Educate the membership of AAPG and the general public about important issues that affect petroleum energy minerals exploration and production.

- Communicate to the general public and government agencies the Association's commitment to protect the environment while developing the world's natural resources in a responsible manner.
- Support and encourage research into the effects of petroleum/energy minerals exploration and production on the environment, and make available to concerned agencies, companies, and individuals the results of these studies and recommendations.
- Apply the expertise developed in the petroleum/energy minerals industries and hydrogeology to resolve environmental problems.
- Promote environmental stewardship within the petroleum/energy minerals industries.
- Establish a liaison between and among AAPG and other professional societies for the purposes of constructive dialogue and defining mutually obtainable goals.
- Provide relevant educational opportunities and services for professional development of the AAPG membership through seminars and conferences in environmental geosciences, hydrogeology, and related fields.

Division of Environmental Geosciences Officers, 2018-2019

Mary Barrett (president), Stephen Testa (immediate past president), Francois Marechal (president-elect), Dan Jackson (vice president), Olga Popova (editor), Skyler Smith (secretary-treasurer).

Membership Trends

The DEG membership dues are \$25/year. Similar to AAPG, DEG has lost members over the years, but division membership grew in 2018 and 2019. In May of 2018, the total DEG membership was 865. As of April 1, 2019, our membership stood at 949.

Publications

The DEG's Editor is Olga Popova. She oversees the division's *Environmental Geosciences* journal (a quarterly publication) and the *Spheres of Influence* newsletter (December 2018 issue). The *EG* journal published two peer-reviewed articles each quarter (June, September,

December and March). This year, Autumn Haagsma (chair, CCUS ad hoc committee) and Olga Popova coordinated efforts to publish an *EG* special edition on carbon capture, underground storage and re-use based on the related sessions at ACE 2019.

Events

The largest planning and execution for AAPG events by DEG are the ACE meetings. For both the ACE 2018 and ACE 2019 meetings, the DEG president was on the ACE organizing committee to assist the environment-related themes. Environmental presentations included oral and poster sessions on carbon capture, storage and re-use, induced seismicity, sustainability, water and other environmental topics. The DEG organized a special session on environmental impact and sustainability, and its keynote speaker was Iain Stewart who discussed "Communicating Contested Geoscience to the Public: 'Matters of Fact' vs. 'Matters of Concern.'" The DEG organized the joint DEG-EMD luncheon this year (every other year responsibility). Our speaker was Eirik Waerness, chief economist of Equinor, who spoke on "Global Energy Transition—An Uncertain Outcome Driven by Developments in Policy, Technology and Behavior." The DEG helped sponsor the PROWESS event held on Saturday evening.

Almost all AAPG 2018-2019 sectional meetings in the United States had at least one session that involved environmental topics. It reflects the local leaderships' desire to promote environmental stewardship. This was also true for the ICE 2018 meeting and in ICE 2019 planning. The DEG helped by promoting these events' activities and abstract submission mainly, although we assisted in ICE 2019 planning at the invitation of its organizing committee. As a DEG officer, Mary Barrett attended the 2017 Mid-Continent meeting, the 2017 and 2018 GCAGS meetings, the 2018 Eastern Section meeting, and the ACE 2018 and 2019 meetings. I additionally attended the 2018 UrTec meeting, the 2018 SPE national meeting, and the 2018 GSA national meeting.

Awards and Honors, 2018-2019

- DEG Research Award: Jens Blotevogel
- DEG Teaching Award: Javed Ali Kalhoro
- DEG Corporate Award for Excellence in Env. Stewardship: Apache Corporation

- DEG Past-President's Award: Stephen Testa
- DEG Best Poster Award (ACE 2018): Reinaldo Sabbagh
- DEG Best Paper Award (ACE 2018): Andrew Hollenbach

Mary L. Barrett, Division of Environmental Geosciences President 2018-2019

Division of Professional Affairs

The Division of Professional Affairs' (DPA) charge is to strengthen the professional status of geoscientists and to require high standards of competence among practicing geoscientists while communicating the affairs of the Division and the profession to geoscientists. We also communicate to the general public and to government agencies. The Association's constant concern is to protect the public by restricting the practice of petroleum geology to those known to be qualified and believed to be competent and reliable. The DPA communicates to the general public and to governmental agencies pertinent information on legislative and administrative decisions affecting the regulation of petroleum resource exploration and development. In addition, the DPA maintains and administers certification requirements through a Board of Certification. We also encourage high professional standards in the training of geoscience majors in university departments.

Membership

The DPA membership is declining like the other divisions and active membership in AAPG as a result of demographic changes in the oil and gas industry. Our older members, the ones most likely to be DPA members, are retiring and do not see a need to maintain their AAPG membership and therefore their DPA membership. There is also a decreased need for the number of geoscientists than in the past because of the move to unconventional resource plays and the continued workflow efficiencies within the business cycle. Our ranks have decreased at an average annual rate of 5.75% resulting in a loss of more than one-fifth of the DPA membership over the last 4 years. This has gotten the attention of the AAPG executive board and the DPA executive

board and has become the primary challenge of the AAPG and the DPA.

Activities

The DPA has been busy in the first half of 2019. This month marks the beginning of the 2019-2020 fiscal year of the Division of Professional Affairs and my term as president of the DPA. I would like to acknowledge the accomplishments of Mark Gallagher's presidency and the people that made it happen. The DPA's charge is deepening and expanding geoscience professionalism. We achieve this directive in many ways; one being the strengthening of our business acumen. This was the object of Mark's focus as president of the DPA. It started with the "Money Makers Business Forum" in Oklahoma City last April and followed up with the four DPA sponsored sessions at this year's Annual Convention and Exhibition in San Antonio. They were the Discovery Thinking Forum, Opportunity Valuation, and Deals and Investment Decisions and Financing. Although some of these topics are often disassociated from geology, they are what allows us to pursue our geologic passion. If you desire to be an oil and gas entrepreneur (or it has been thrust upon you) these sessions offered important information and personal perspectives about how to be successful, aka make money, in that business. After all, most of the wells drilled are by these entrepreneurs. Finally, a big thank you to Deb Sacrey who was speaker at the well-attended DPA luncheon. Despite being served turkey meatloaf from a tube, she gave an exceptional presentation about her varied career highlighting the ups and downs of her life in the oil patch—reinvention.

Leadership

I would like to say thank you to the outgoing executive board members: Mark Gallagher (president), Meredith Faber (vice president) and Peggy Williams (secretary). The new incoming DPA Board consists of Steve Goolsby (vice president), Margo Liss (secretary) and Meredith Faber (president-elect). Mike Rains will be continuing as the editor of the DPA quarterly publication *The Correlator*. We continue to appreciate Diane Keim, our AAPG Staff liaison. I look forward to working with the incoming board and Diane on another exciting year.

Awards

Deborah Sacrey – Life Member
David Wavrek – Heritage Award

Cheryl Desforges – President’s Award
Distinguished Service – Tim Rynott
Jonathan Brady – Recognition of
Distinction
Mark Norville – Recognition of Distinction
Thomas Wyche – Certificates of Merit
Margo Liss – Certificates of Merit

Future

This year we will be focusing on ethics and how they are the core of professionalism. The entire AAPG and the DPA are also focused on increasing membership among the young professionals that are

currently employed in the oil and gas industry.

***John Jordan, Division of
Environmental Geosciences
President, 2019-2020***

Reports of the Regions and Sections

Africa Region

2018-2019 Activities

Events

The 2018-2019 year for the Africa Region (AR) was rich and packed with several activities catering to the needs of geoscientists in various spheres—from the student community to young professionals, academicians, and upstream industry professionals. The highlight for the year was the return of AAPG ICE to Cape Town, South Africa. The event held beginning November 4, 2018, at the Cape Town International Convention Centre had 1,000 professionals in attendance and boasted 44 technical sessions, 5 panel sessions, a keynote luncheon, several short courses, and a YP Program.

Immediately following this was AAPG's participation in Nigerian sister society, NAPE annual conference in November 2019. AAPG was ably represented by AAPG president Denise Cox and Africa Region president Femi Esan. The conference highlights were

- NAPE/AAPG/EAGE joint panel session themed "Enhancing exploration activities in the current global outlook: New Plays and New Approaches"
- Joint NAPE/AAPG YP Leadership forum—Denise Cox, key speaker
- NAPE/AAPG student sessions led by the YP: Basin evaluation competition, CV writing and career mentoring and poolside student networking session with upstream industry practitioners
- Women in Geosciences session—Denise Cox, key speaker
- AAPG exhibition booth—manned by AR programs manager and leadership team present.

Students

The Africa Region student programs and the IBA have increasing renown, with the 2019 AAPG IBA having 23 student teams register for the competition. The competition hosted in Lagos in March 2019, saw the student team of Ain Shams University emerge in first position. This team went on to receive an award for innovation at the 2019 ACE in San Antonio.

Africa Region continues to grow its VGP Program, covering most chapters in Nigeria, South Africa, and Egypt. With the Region harnessing the zeal of upstream professionals to participate in the program,

2018 had 1,556 students benefit from the program.

The Africa Region rolled out a pilot student initiative tagged the African Undergraduate Geoscience Student competition, AUGSC. It was held to foster the collaboration and synergy between the academia and industry and promote student membership drive and student chapters growth besides developing and improving technical excellence and skills amongst geoscience students. The pioneer program held in Lagos in May 2019 and involved 25 AAPG student chapters.

Young Professionals

The YP mentoring initiative was set-up between AAPG AR and EAGE Nigeria to foster interaction and mentoring between young professionals and upstream industry professionals. It is an ongoing annual initiative that has seen 11 mentors sign up for participation. The mentoring activities are being refined to encourage virtual communication so as not to be limited by distance.

Five YP online monthly seminars have been held in partnership between AAPG and NAPE since October 2018. The program is ongoing and features accomplished industry professionals. The platform allows for physical and virtual participation of YP.

National visits

Following the 2018 ICE in Cape Town, AAPG president Denise Cox was involved in a brief tour to selected countries in southern Africa. She visited the National Enterprise of Hydrocarbon, ENH, Mozambique, the National Petroleum Corporation of Namibia, and NAMCOR on behalf of AAPG in November 2018, with proposals for partnership.

Awards

A distinguished service award was received by K. B Trivedi – Africa Region Delegate. Tunbosun Afolayan received the Young Professionals Exemplary Service Award at the 2019 ACE in San Antonio.

2019 Proposals

Delegate Elections

Proposed for 2019-2020 is the AAPG Africa Region delegate election, which

was due by October 2019. There are six elective positions available for the delegates and one position for Advisory Council member.

Events

The Region is preparing to hold two GTW workshops in 2019 and 2020. The Eastern Mediterranean Mega-Basins GTW was to be held September 6-7 in Alexandria, Egypt. Work is in progress on a GTW in Mozambique in 2020.

Canada Region

2018-2019 Canada Region Officers

The Canada Region Officers for 2018-2019 were the following: president: Maren Blair; vice president / treasurer: Anne Hargreaves; secretary /foreman: Peter Bauman; and Advisory Council member: Ryan Lemiski

Canada Region Events

The Canadian Society of Petroleum Geologists (CSPG, International Division) and the AAPG Canada Region cohosted a series of 10 talks over the winter and spring months including topics such as induced seismicity, deep-water frontier basins, and geology of the Scottish Highlands, to name just a few.

AAPG President Visit

AAPG president Denise Cox visited the Canada Region in January 2019. Aspects of her visit included a joint networking social held with CSPG and a luncheon talk delivered to members of the AAPG/CSPG. Denise also spent time with the University of Calgary and Mount Royal University student chapters. A leadership dinner was held with the leadership groups of the AAPG Canada Region and the CSPG to help better understand the relationships between affiliated societies.

IBA Competition

This year the Canada Region had only two teams entered from its pool of Canadian universities into the IBA competition. As per the rules of the IBA competition, there were not enough teams to hold a regional semifinal competition, so the Canada Region was

paired with the Pacific Section from the United States (whom also did not have the requisite number of teams). Teams from both the Canada Region (University of Calgary and McMaster University) and the Pacific Section (University of Alaska Anchorage and San Diego State University) participated in the virtually held semifinal competition. The winning team from that competition advancing to the global finals was San Diego State University.

Student Chapters

There are approximately eight active student chapters in Canada. Unfortunately, reports were not received from all chapters this year. However, the University of Ottawa/Carleton University held several events including two technical talks, a geological field trip to the Niagara region of Ontario co-organized with McMaster University's AAPG student chapter. The University of Calgary participated in the Distinguished Lecturer Program as well as hosted a visit from AAPG president Denise Cox.

Young Professionals

Due to budgeting constraints the Young Professionals had a limited program this year—participating jointly in an intersociety networking social event with such organizations as SPE, YPE, YPCA, YPC, CSPG, and CSEG during the holiday season. The YP also co-hosted a technical talk with the CSPG Young Professionals on “A Modern Approach to Wellsite Geology” presented by Nick Mason of Chinook Consulting.

Visiting Geoscientist Program

Visits took place to several schools in the Canada Region including the University of Saskatchewan, Mount Royal University (Calgary), and the University of Alberta. Several webinars also took place with some significant turnouts.

Elections

Canada Region elections were recently held and the Canada Region Officers for 2019-2020 will be the following: president: Peter Bauman, vice president/treasurer: Robynn Dicks, secretary/foreman: Natasha Morrison, Advisory Council member: Ryan Lemiski, and past president: Maren Blair.

Future Recommendations

The Canada Region is working on securing more external industry funding

to allow us to expand our programming within Canada. The Canada Region will continue to evaluate the most effective way to deliver programming to its members in a highly competitive professional society environment.

**Maren Blair, Canada Region
President 2017-2019**

Eastern Section

2018 Eastern Section AAPG Annual Meeting

The Eastern Section's (ES) annual meeting was held October 7– 11 in Pittsburgh, Pennsylvania. The meeting was jointly held by ESAAPG and the Eastern Region of SPE. Chris Willan (ESAAPG) and Neil Boyer (SPE) were general co-chairs

- The conference netted \$184,605. Profits were split as follows: SPE – 50%, ESAAPG – 25%, PAPG and PGS – 12.5% each
- Total attendees: 523 (AAPG and SPE).
- 36 oral presentations (AAPG only)
- 32 posters divided into seven sessions (AAPG only)
- Nearly 30 sponsors – raised approximately \$125,000
- 36 exhibits sold at approximately \$16,000 total.
- One short course
- Two field trips
- The Student Expo was held prior to the Opening Session/Honors and Awards Ceremony, 46 students and 7 companies participated in the event.

The 2018-2019 Eastern Section Officers

The following slate of officers took office at the end of the annual meeting:

- President – Drew Waggener
- Vice President – Scott Gorham
- Secretary – Brian Panetta
- Treasurer – Donna Willette
- Past President – Patrick Gooding
- Advisory Council Representative – Dan Billman

Eastern Section Executive Committee Mid-Year Retreat and Monthly Conference Calls

- The Executive Committee had a work session in Columbus March 22-23 to discuss important issues for the ES
- The ES has also started having semi-regular monthly conference calls to keep initiatives moving.

AAPG Advisory Council Representative Election

Craig Eckert completed his three-year term as AC from the Eastern Section on June 30. Thanks to Craig for his many years of service to the Eastern Section, which will continue in other committee roles. Dan Billman began his term as AC on July 1 and is already engaged with us and AAPG.

Proposals and Initiatives

Bylaw Changes

At the ES Council meeting at ACE in San Antonio, the ES passed revisions to the Section Constitution and Bylaws to bring them up to date, mostly associated with the Executive Committee election process and officer responsibilities. As part of that, we retired the Archivist position and established a website and social media coordinator position. The new position will be handling updates on the website directly and pushing out information on social media, primarily LinkedIn and Twitter.

Student and Educational Support

- Also, at the San Antonio meeting on May 19th, the Council focused on ways to increase support for students and education.
- We approved “Catch-up” contributions to our two AAPG Foundation Grant-in-Aid programs, the Richard Beardsley and the Eastern Section Named Grants. After these contributions, both will be funded to a sustained annual grant level of \$2000 each and the plan is to fund them to a sustained \$3000 annual grant level over the next 5 years.
- Increases in student travel grants, poster awards, and Teacher of the Year (TOTY) awards were also approved.
- Establishing an ES-managed TOTY program.

Website Changes

The ES website was overhauled over the last six months and the site is faster and more accessible. In addition to general information, the site is functional for handling our event needs, including meeting information, receiving abstracts, and handling attendee, sponsorships, and exhibitor registrations. www.esaapg.org

Recommendations

Increase Communication with Affiliate Societies

- Recruiting officer candidates.
- Increasing usage of ES website for meeting announcements, annual

meeting information and registration, archiving, and other uses.

- Discussing the IBA program and ongoing support.
- Identifying candidates for awards nominations, both for ES and AAPG.
- Increasing awareness of the TOTY program and develop ways to get more nominees into the process.
- Finding members, chairs, and co-chairs for the various committees.
- Bolstering the Earth Science Outreach Program.
- Acknowledging student chapters and connecting to alumni (Visiting Geoscientist Program)

Drew Waggener, AAPG Eastern Section President 2018-2019

Pacific Section

Fiscal Year 2018-2019 was a busy year for Pacific Section. We continue to reimburse up to \$500/society for Distinguished Lecturers and are excited about the expanded availability that the video series brings. Last fall we hosted the West Coast Student Expo at California State University, Northridge and our Student Chapter Leadership Summit in Bakersfield. Both events are a great opportunity for the students and the Section to promote AAPG and share the benefits of being a member. Pacific Section merged with Canada for IBA. Cynthia Huggins did a wonderful job coordinating the merged two programs this year. San Diego State University won first place and competed in San Antonio. Karla Tucker, PSAAPG Scholarship Coordinator, joined the AAPG Foundation National committee. Laura Branch, 2019 AAPG National TOTY, teaches in Orcutt, California. She submitted her own application to the AAPG Foundation National TOTY website. She was not familiar with PSAAPG, or the local society Coast Geological Society. This is an opportunity for us to reach out to more teachers and schools.

In April we held our annual convention in Long Beach at California State University, Long Beach. Rick Behl, (now past) president pulled double duty as the general chair for the meeting. This was our first meeting in Long Beach, since the last ACE meeting in 2012. The new venue and format worked out extremely well. The meeting was "all-inclusive" with registration covering two field trips, technical and posters sessions, two mixers, and the All-Convention Awards Dinner. It was a field-based conference with a full technical day sandwiched between a field trip on Monday and Wednesday. Bob

Lindblom, Honors and Awards chair, put together a wonderful awards dinner on Tuesday evening. Courtney Marshall, technical chair, and her committee did a delightful job with the program, combining technical talks as well as invited speakers. We had 155 registrants (32 students and 10 exhibitors). Despite the lower headcount Larry Knauer, sponsor chair, still managed to raise a significant amount of funds, compared to past years. It is nice to have another format for our annual meeting. Most of our members only attend our annual convention, a very small fraction attends ACE.

Our treasurer and treasurer-elect duo Lisa Alpert and Simmie Chehal continue to do an amazing job keeping track of our finances and streamlining much of the organization. We do continue to struggle with declining/maintaining membership. We've created a new membership committee to help combat this issue. We understand that it is an issue that many sections and AAPG face. We are continually working on our website to make easier for members to renew online and find out pertinent information about upcoming events. We have gone to a digital newsletter, which has reduced our printing costs significantly and allows us more space for articles and pictures. Honorary Members receive a paper copy, in addition to members that request it. In 2019-2020 we will continue our mission to retain and recruit new members. We will also focus on what it means to belong to AAPG, PSAAPG, and our local societies. We look forward to a wonderful annual convention in beautiful Oxnard, California, April 5-8, 2019.

We'd like to thank the outgoing Executive Committee for all their hard work and time over the last year. We'd also like to welcome the new committee members. We have a lot of work to do and look forward to accomplishing great things in 2019-2020

Becca Schempp, Pacific Section President 2019-2020

Rick Behl, Pacific Section President 2018-2019

Rocky Mountain Section

Rocky Mountain Section held its annual meeting in Cheyenne, Wyoming on September 15-18. The Wyoming Geological Association hosted the meeting, "Back to the Rockies – An Epoch Adventure of Cretaceous Proportions." Meeting attendance totaled more than

400 for 2.5 days with 3 concurrent technical sessions, 4 poster sessions, 2 field trips, and 3 short courses. Awards presented at the meeting included the following:

- John Kerns with the Robert J. Weimer Lifetime Contribution Award,
 - David Hawk with the RMS-AAPG Distinguished Service Award,
 - Mary Carr with the Julie Lefever Memorial Award,
 - Douglas Sprinkel, Thomas Chidsey, Jr. and Paul Anderson with the John D. Haun Landmark Publication for the "Geology of Utah's Parks and Monuments," published by the Utah Geological Association
 - Sarah Friedman with Outstanding Young Professional Award, and
 - Michael Poser with the Teacher of the Year.
- Anna Phelps organized and ran the 2019 AAPG RMS IBA Competition that was held on March 16, 2019 at the CU Denver Global Energy Management Center in downtown Denver. The competition was sponsored by the AAPG Rocky Mountain Section, SM Energy, and World Oil. There were five participating teams: Brigham Young University - Idaho, Colorado School of Mines (1st place), University of Wyoming, New Mexico Tech (2nd place), and Utah State University (3rd place).

There are currently 14 active AAPG student chapters in the Rocky Mountains. Starting in October, Brianna Berg is the Student Chapter coordinator for the section.

The RMS Foundation provided grants of \$1000 each of the student chapters in the 2018-2019 school year and plans to provide the same level of grants for 2019-2020. The Foundation also award grants for \$5500 to the Utah Geological Association, Nevada Petroleum and Geotherm Society, North Dakota Geological Society, and Denver Earth Resources Library.

The Rocky Mountain Section covers the states of Arizona, Colorado, Idaho, Minnesota, Nevada, New Mexico, Montana, North Dakota, South Dakota, Utah, and Wyoming. Membership in AAPG is more than 2900. There are 11 affiliated societies in the Rocky Mountain Section:

- Albuquerque Geological Society in Albuquerque, New Mexico,
- Four Corners Geological Society in Durango, Colorado,
- Grand Junction Geological Society in Grand Junction, Colorado,
- Idaho Association of Professional Geologists in Boise, Idaho,
- Montana Geological Society in Billings, Montana,
- Nevada Petroleum and Geothermal Society in Reno, Nevada,

- New Mexico Geological Society, Socorro, New Mexico,
- North Dakota Geological Society, Bismarck, North Dakota,
- Rocky Mountain Association of Geologists in Denver, Colorado,
- Utah Geological Association, in Salt Lake City, Utah, and
- Wyoming Geological Association in Casper, Wyoming.

We are looking forward to the next section meeting on September 13-16, 2020, in Grand Junction, Colorado, titled "20/20 Vision" and hosted by the Grand Junction and Four Corners Geological Societies.

Lyn George, President 2018-2019

Southwest Section

Bill Hailey Memorial Short Course

This event was held at the University of Texas, Arlington on January 24, 2019, with 190 attendees. It was also held on January 25 in Abilene Texas and had 114 attendees. The speaker was John C. Lorenz and his presentation was titled "Applied Concepts in Naturally Fractured Reservoirs."

The 2020 Bill Hailey Memorial Short Course will be held January 9, 2020 in Arlington, Texas, and January 10, 2020, in Abilene, Texas. The presentation will be "Subaqueous mass failures: Processes, deposits and implications of their occurrence in exploration and production of energy resources" by Lesli J. Wood, Weimer Distinguished Chair and Professor, Geology and Geological Engineering, Colorado School of Mines Golden, Colorado.

Student Chapters

The Southwest Section is proud to welcome the following AAPG student chapters to our section.

Angelo State University
Baylor University
Midwestern State University
Southern Methodist University
Sul Ross State University
Texas Christian University
Texas Tech University
University of Texas, Arlington
University of Texas, Dallas
University of Texas, El Paso
University of Texas, Permian Basin
Wayland Baptist University
New Mexico State University

The Southwest Section will continued its support of the AAPG student chapters by holding the regional Imperial Barrel Award competition as well as awarding scholarships to deserving geology students.

Imperial Barrel Award

The 2019 Imperial Barrel Award competition was held at Brookhaven College Geo Technology Institute on March 30. There were six teams that participated: University of Texas, Arlington; Texas Christian University; Texas Tech University; University of Texas, Dallas; University of Texas, El Paso; and University of Texas, Permian Basin.

Here are the final standings:

First: Texas Christian University (\$1500)

Second: University of Texas, Dallas (\$1000)

Third: Texas Tech University (\$500)

Southwest Section Convention Statistics

Total attendance: 328

All Convention Lunch: 107 (Charles Sternbach, speaker)

Division of Professional Affairs Lunch and Ethics Talk: 62 (Millie Bradley, speaker)

Field Trip: 7 (led by Bo Henk)

Monday Night Social: 114 (held at Perot Museum)

Short Course: 75 (taught by David Orchard)

More Rock in your Head: 17

Posters on Display: 33

Technical Talks: 32 (Permian Basin focus, keynote Ray Hunt)

Potential profit: \$32,000

Southwest Section Scholarship Winners

John Brotherton, Texas Tech University
Md Golam Kibria, University of Texas, Arlington

Derek Scott, University of Texas, El Paso
Shay Ridi, New Mexico State University
Hanah Draper, University of Texas, El Paso

Cameron Ramsey, Texas Tech University
Julia Astromovich, University of Texas, El Paso

Amanda Labrado, University of Texas, El Paso

David Yates, Baylor University

Southwest Section Annual Meeting

The 2020 meeting will be held on June 24-26, 2020, at the Inn of the Mountain Gods in Ruidoso, New Mexico.

2019-2020 Officers

President: John Humphrey

President-Elect: Jessica Wold

Past President: Terence G. O'Hare

Vice President: William Rittase

Secretary: Calvin Nix

Treasurer: Logan Chatterton

Advisory Counselor: Joe Davis

Terence G. O'Hare, Southwest Section President 2018-2019

Reports of the Committees and Special Interest Groups

Astrogeology Committee

Primary Objective

The primary objective of the AAPG Astrogeology Committee is to present potential benefits and issues in space exploration for the AAPG membership and to look at the evolving role of energy professionals as we expand our activities beyond Earth's surface. Other objectives include organizing symposia at AAPG and professional meetings, recommending speakers for distinguished lectures, generating publications, organizing technical sessions and field trips, and acting as liaison with groups having similar interests such as NASA. All who are interested in astrogeology, planetary science, and their applications to energy and resource issues are invited to join the Astrogeology Committee.

Relevance

The Astrogeology Committee supports the development of space resources. The composition of comets and meteorites provide a starting point for understanding the origin and evolution of the solar system. Recent interest in mining rare earth elements and platinum group metals from asteroids and helium-3 on the Moon is facilitated by our understanding of the origin and economics of terrestrial ore deposits. In situ resource utilization, coupled with advanced space-transportation and energy systems, is a critical component in successful human exploration and occupation habitation of the Moon, beginning in the 2020s, and Mars, beginning in the 2030s.

Major Goal in 2019-2020

This goal is to establish partnerships with the private space industry to promote exploration and development of space energy resources. Institutional and private space-related products and services are estimated to include 120,000 full-time-equivalent positions, generating \$150 billion annually. Private space companies comprise a \$10 to \$17B industry per year with 8-15% annual growth rates. SpaceX has been developing the Falcon 9, Dragon cargo and crew capsules, and Falcon Heavy launch systems. Other prominent firms involved in resource development, human-habitation facilities and

transportation systems include Boeing, Lockheed Martin and Bigelow Aerospace, Deep Space Industries, and Planetary Resources. There are now 13 countries that have successfully launched probes into Earth orbit and beyond. Human expansion into space is an international focus of both public and private interests and the AAPG Astrogeology Committee seeks to establish a presence with these endeavors and demonstrate the benefits to our members.

Other Activities

- The Astrogeology Committee sponsored the technical session "New Discoveries in the Solar System: Implications for Energy and Mineral Resources" at the 2019 ACE in San Antonio, Texas. Diverse topics included proposed missions to the Moon as a stepping-stone to Mars, in situ resources and utilization for human settlement on Mars, the space economy and strategic minerals on Earth and the inner Solar System, new technological developments in planetary geophysical characterization, and seismic characterization of the Chicxulub impact. Attendance for these presentations exceeded 150 persons.
- A proposed technical session at ACE 2020 in Houston is in under the theme "Expanding Energy Frontiers on Earth, Moon and Mars." We appreciate the support of EMD president-elect Edith Wilson in arranging this session.
- Preparation for the 2020 ACE meeting in Houston for an all-day field trip to Houston Space Center on Saturday, June 6. The event is scheduled to be co-hosted by VIP Astrogeology Committee liaisons Harrison H. Schmitt (Apollo 17 astronaut) and James F. Reilly (director, USGS and Space Shuttle astronaut).
- Establishing a series of AAPG Astrogeology student chapters in conjunction with the AAPG student chapter. Their goal is to link interested students with professionals in the aerospace and planetary science community. Activities include technical meetings with guest speakers and astrogeology projects.

Astrogeology Committee Membership and Leadership

Douglas Cook and William Ambrose served as chair and vice chair, respectively, in the 2018-2019 year. Harrison Schmitt

and James Reilly served as astronaut/geologist (ret.) liaisons. New officers in the 2019-2020 year are William Ambrose and Bruce Cutright (co-chairs), Douglas Cook and Matthew Brzostowski (co-vice chairs), and Stephanie Nwoko (EC Liaison). Harrison Schmitt and James Reilly continue to serve as astronaut/geologist (ret.) liaisons.

Website

The Astrogeology Committee's website includes mission statement, goals, business plan, committee member information, calendar of events, convention activities, abstracts, presentations, calls for papers, and PowerPoint presentations. We appreciate the services of Bogdan Michka at AAPG who designed, created, and updates the website: <https://www.aapg.org/about/aapg/overview/committees/details/ArticleId/564/committee-astrogeology>.

William A. Ambrose, Douglas Cook, Bruce Cutright, and Matthew Brzostowski
AAPG Astrogeology Committee Leadership

Climate Change Ad Hoc

In the fall of 2018, and at the request of several AAPG members, the Executive Committee of the AAPG approved the formation of an ad hoc committee to address the issue of climate change and serve at the pleasure of the president, Denise Cox. The group took shape under the direction of the chair, Edith Wilson, and was populated with members representing the geographic, demographic, and career diversity of the Association. The committee included those recommended by members of the Advisory Council and the Sustainable Development Ad Hoc Committee. Committee members focused on creating a foundation for the AAPG to develop a policy and strategy on climate by first crafting a simple, scientifically focused and forward-looking statement on climate change. After multiple teleconferences and drafting sessions, the committee proposed a new climate change statement to the Executive Committee at their February 15, 2019, meeting in Houston as follows.

The AAPG

- recognizes the abundant and compelling evidence that human

activities are a key factor in current climate change, as referenced in the collective authoritative statements of the global National Academies of Science and the comprehensive analyses on climate science as presented by the Intergovernmental Panel on Climate Change.

- accepts that these scientific observations require concerted worldwide action to avoid the worst impacts of future climate change.
- supports national and international climate frameworks as important roadmaps towards meeting climate change commitments and accelerating the market-led and policy-driven transition to lower-carbon forms of energy.
- offers to empower the future by employing the surface and subsurface geological skills and talents of our members in areas such as carbon capture and storage, geothermal energy development, and critical minerals extraction, and to use creativity and innovation in the responsible and sustainable development of hydrocarbons, with the goal of reducing humanity's carbon footprint.
- accepts the immense challenges of the energy transition and welcomes the important role that AAPG scientists will play in delivering sustainable energy to the world.

The statement as proposed is currently being considered and revised by Executive Committee members. The 2018-2019 Climate Change Committee will sunset at the end of the AAPG fiscal year on June 30, 2019, but its members remain available as a resource on this issue to future AAPG members and leaders.

Edith Wilson, *(26), president and CEO, Rock Whisperer LLC, president-elect, EMD 2018-2019 and chair of the ad hoc Climate Change Committee

Mary Barrett (40), professor emeritus, Centenary College of Louisiana, and president, DEG 2018-2019

Paul Belanger (35), micropaleontologist, paleoceanographer and paleoclimatologist, retired Amoco/Arco/New Energy Colorado and OLLI Lecturer on Climate Change

Tony Doré (10), senior advisor to exploration management, Equinor

André Droxler (30), professor, Department of Earth, Environmental and Planetary Science, and Baker Institute Scholar, Rice University

Meredith Faber (16), geologist and vice president DPA 2018-2019

Malcolm Fawcett (1), chairman, Climate Change Group IPIECA

David Hone (ex officio), chief climate change adviser, Shell

Maria Mutti (33), professor of Sedimentary Geology and chair, Department of Geosciences, University of Potsdam

Iain Stewart (2), professor, Geoscience Communication and director, Sustainable Earth Institute, University of Plymouth

***(years of membership in the AAPG)**

Field Safety

In the past year, the AAPG Field Safety Committee has accomplished the following.

1. We have reached the point where field trip participants are proactively asking about the safety aspects of trips, indicating that our ongoing efforts in field safety education are improving awareness and generating a "pull" for the field safety process. Indeed, NOLS and REI are now offering a wilderness safety training course that covers almost exactly the curriculum of our field safety leadership course.
2. The peer-review process for field activity preparation is working well. Alicia Collins has been instrumental in making the system work. The peer review is intended to assist the trip leader in ensuring that significant risks have been considered and reasonable preparations have been made. The peer reviews are volunteers who have been trained in the AAPG field safety course. The review concentrates on key aspects of technical, logistical, and safety preparations.
3. A continuing challenge is communicating expectations for field-trip safety preparation to the field trip committee chairs for ACE meetings, because of the ever-changing roster of those serving in those positions. Continuing to work with AAPG HQ support staff to clarify and communicate expectations to local ACE

committees. At GSA, the field trip chair for their 2018 meeting took our field safety leadership course specifically to prepare for his duties.

4. Trained 10 people in one session of field safety leadership course offered as AAPG short course (on quite short notice, in March 2019). Trained eight people in one session of field safety leadership course in conjunction with GSA (November 2018). Attendees came from a variety of organizations: international, domestic, and national energy companies, consultants, academia (secondary, university), and a state geological survey. Completing preparations for a session at GSA in Phoenix, Arizona, in September 2019; this session will include a co-instructor from NAGT/GSA.
5. Bid farewell to Alice Stagner, welcomed back Steve Oliveri and Keith Shanley to the Field Safety Committee. Added two members as liaison to GSA and NAGT: Emily Finzel (University of Iowa) and Kurt Burmeister (University of Pacific). Working on recruiting more diverse representation on the committee.
6. Completed two new chapters on how people get hurt in the field and why people get hurt in the field along with revisions on three other chapters for the second edition of the popular book, *Field Safety in Uncontrolled Environments*.
7. Expanded collaboration with Geological Society of America on establishing a field safety interest group to share common approach and lessons among programs.
 - a. Held a town hall session at GSA national meeting in November 2018 (attended by approximately 35 people) on emergency response plans and establishing an ongoing method for sharing safety lessons.
 - b. Participated (by invitation) in AGU/AGI heads and chairs webinar on implementing effective field safety policies (recording available at <https://youtu.be/fldYrytop8c>).
 - c. Designed a system for collecting incident (illness, injury) data from field camps, in collaboration with the executive secretary of the National Association of Geoscience Teachers (NAGT)-USGS Cooperative Field Training Program; the system is being tested this summer by a handful of camps.
 - d. Working with GSA, NAGT, and USGS to convene a field education forum at GSA national meeting in September 2019 to share safety lessons.
 - e. Working with GSA and NAGT to set up a field safety workshop for field-

camp directors to be held in November 2019 at University of Iowa.

Kevin Bohacs

Geophysical Integration

The function of the Committee on Geophysical Integration (GIC) is to promote and support the integration of geophysical data with geological and reservoir data by working with the Research Committee, Education Committee, Publications Committee, and with other professional societies in proposing, designing and conducting technical sessions, workshops and short courses at meetings and conferences, in preparing proposals for Hedberg Conferences and special publications, and seeking authors for technical papers for the *AAPG Bulletin* demonstrating the importance of geophysical integration. Geophysical Integration Committee also recommends candidates for editor for the Geophysical Corner published in the *AAPG EXPLORER*, works with the Geoscience Data Preservation Committee and Education Committee in preparing a listing of public domain geophysical data to promote the preservation of geophysical data; and facilitates intersociety cooperation with other affiliated societies, such as SEG, SPE, EAGE, and AGU. To accomplish these goals, the GIC is organized into three subcommittees: (1) AAPG/SEG Joint Sessions, (2) Publications, and (3) Symposia and Workshops.

Currently, GIC has 11 key members listed officially on the AAPG website. In addition to that, it has many other extended members, who always have innovative ideas and make great contributions for GIC successes.

During the fiscal year of 2018-2019, GIC has done tremendous works mainly focusing on some activities as below.

1. Publications: As mentioned above, the GIC members play key roles in AAPG/SEG and Joint Journal *Interpretation* editorial board. We are involved in organizing at least four or five special sections to be published in the journal in and act as assistance editors, associate editors, or reviewers. <https://library.seg.org/page/inteo/interpretation-special-sections>. The GIC's members also help to review manuscripts for *AAPG Bulletin*.
2. OTC 2019 and upcoming OTC 2020: While organizing AAPG panel and technical sessions and reviewing the OTC abstracts, GIC members have

collaborated with the other societies such as SPE and SSEG to organize joint panel, invited and technical sessions for OTC that have been very well attended.

3. Collaboration with other sister professional societies. The GIC Committee members play key roles in AAPG/SEG/OTC and SPE.
 - Robert Wiener is the cochairman of the HGS's North America group (2014-2017), HGS vice president (2017-2018), and organized two talks from prominent SEG members.
 - Joe Davis is the AAPG Southwest advisory counselor
 - Hongliu Zeng is the Deputy EIC for *Interpretation* journal.
 - Hongliu Zeng, David Johnston, Donald Herron and Huyen Bui are on the editorial board of *Interpretation* journal.
 - Huyen Bui is a member of the SEG Earth Model Committee and vice chair of the AAPG subcommittee of the OTC Technical Program Committee.
 - Conor Ryan is the SPE Ireland chairman and SPE International EPC.

In order to shape the form of GIC's activities in the near future, GIC will continuously to focus on three main areas of publication, OTC and strengthen the collaboration with other sister societies through joint workshops and sessions. On the other hand, we will need to reach out to the universities and young professionals to recruit some new members and train them to be the next generation to keep GIC strongly moving forward in the next decades.

On behalf of the committee, I would like to express special thanks to AAPG for great support in the past year. I would like to thank all of the GIC members for their dedicated time and commitment to keep the GIC active with very good outcomes. I look forward to another successful year of GIC and AAPG.

Huyen Bui

Group Insurance

The function of the Committee on Group Insurance is to maintain a liaison with the broker and administrator of the Association's group insurance programs, to audit the broker's annual report and to supervise management of dividends that accrue. The committee reviews existing programs and requests new insurance plans to meet the changing needs of the membership.

The GeoCare Insurance Benefits Program has been providing a valued service to AAPG members for more 50

years and will continue to do so into the future.

Including AAPG, the following societies are members of the Group Plan: Society of Petroleum Engineers (SPE), American Association of Professional Landmen (AAPL), Association of Environmental and Engineering Geologists (AEG), American Institute of Professional Geologists (AIPG), Council of Petroleum Accounts Societies (COPAS), Environmental and Engineering Geophysical Society (EEGS), Geological Society of Washington (GSW), Society of Exploration Geophysicists (SEG), Society for Sedimentary Geology (SEPM), and the Society of Economic Geologists (SEG).

The GeoCare Program currently offers the following plans for the benefit of our membership: (1) GeoCare benefits insurance exchange (a private medical insurance exchange); (2) life plans (term life, first to die life, guaranteed term life, 10-year level term life and high limit accidental death and dismemberment); (3) disability income plan; (4) supplemental insurance plans (cancer expense plan, dental plan, in-hospital plan, long term care plan and the Medicare supplement plan); (5) property and casualty insurance plans (auto and motorcycle, home, and personal liability umbrella coverage); (6) annuities; (7) best benefits discount medical plan; (8) GeoCare international program; and (9) identity theft assistance. additional programs are being investigated for possible addition in the future.

Association Group Insurance Administrators (AGIA) serves the committee as the general administrator for most of our programs as well as our broker.

The continued weak business climate in the industry has negatively impacted the GeoCare Program with reductions in renewals and new certificates issued. The recent Department of Labor ruling permitting association health plans was overturned by a court ruling as being not permitted under The Patient Protection and Affordability Act of 2010 (PPACA). Plans to initiate a new medical plan were put on hold.

GeoCare has moved to an opt-in process for their introductory programs to new members (under the age of 50 who are United States residents), which includes the one year \$30,000 term life plan (at no cost for their first year) and the disability income plan (at no cost for their first six months), which provides \$600/month for 24 months. After the introductory period, new members may choose to extend either plan at prevailing rates.

The GeoCare International Program was developed to meet the needs of expatriate members who are living or working

overseas including United States members working and/or residing overseas, those residing outside the country in which they have citizenship or a passport, and key local nationals living in countries other than the United States or Canada.

The personal lines plans include insurance for a member's automobile, home, motorcycle, and/or condominium, as well as a personal liability umbrella coverage, which provides protection for members in the event of a claim for damages exceeding the limits of an existing policy.

As of the end of June 2019, the GeoCare program had 9430 certificates (including no-cost intro policies) in force with a total annual premium of \$5,527,349.

Past and future changes in the insurance marketplace create many challenges to the GeoCare program. However, the GeoCare insurance program continues to provide the best benefits available for our members. Complete information on all of the insurance plans provided can be found on the AAPG web site under Services/GeoCare Insurance or at www.geocarebenefits.com.

Robert L. Countryman, Chair

History of Petroleum Geology

The History of Petroleum Geology (HoPG) group held a meeting in San Antonio, Texas in May 2019. There were nine great talks presented at the Sunday Session, with topics ranging from historical AAPG membership to paleogeography to the history of exploration in Svalbard. The attendance in the talks ranged from 60 to 125 people. Twelve abstracts were submitted and nine were accepted. LinkedIn was used to advertise session.

A potential theme for the 2020 is "Hindsight in Petroleum Geology." The following potential talks were proposed.

- Denise Stone – Kenyan basin. Laura Johnson sent contact for Denise
 - Robbie Gries – women keeping companies alive during WW2
 - Nancy House -SEG, Elizabeth Stiles kept SEG going during WW2
 - Denise Cox – Historical people that have influenced career
- Ideas for advertising the HoPG 2020 session.
- Even people in HoD didn't know there was a Sunday session
 - Vern Stefanic will help out with advertising session within AAPG
 - Blurbs about the talks can be placed on Facebook, Twitter, LinkedIn
 - We could create a Daily Smart Brief (a la SEG) or tag onto SEG's Daily Smart

Brief – Nancy House could be a contact for this

- We could mention in the HoPG special session that the HoPG SIG exists and is open for membership and include info on how to get involved.

Also discussed at the meeting was a request for papers of historical highlights in the AAPG *EXPLORER* and for the AAPG Rocky Mountain Section meeting to be held in Cheyenne, Wyoming on September 15-18, 2019.

The following are updates on creation of HoPG special interest group (SIG).

- There was no problem getting SIG application approved. HoPG is now a SIG.
 - HoPG is well respected because Sunday Session is well attended, Historical Highlights have given us publicity, HoPG is an active group and history is important.
 - The mission of HoPG as seen from AAPG's eyes is to capture parts of our history that are important to remember and for looking to the future.
 - Conversion to SIG is important because of
 - Better engagement outside AAPG to grow group
 - SIGs have higher status in AAPG than committees
 - Sunday Session will remain
 - Committees are top down whereas SIGs are more grassroots
 - No longer governed by bylaws – no annual report, don't have to be appointed to be a member
 - No immediate change to website will be undertaken but the website is under constant review with three people in charge of 10,000 pages. The current remodel will likely mimic the new AAPG Foundation website that has gotten good reviews.
 - We will strive to build content for website with AAPG staff member Bogdan Michka
 - Easy to find on Google
 - "Join" button
 - Blog
 - SIG membership
 - List of activities (with descriptions)
 - Links to sister organizations
 - Links to LinkedIn, Facebook and Twitter
 - Group pictures
 - Past meeting notes and minutes
 - Memorial website
 - List of recommended books by HoPG members
 - Links to podcasts
- A discussion was held regarding the HoPG blog. The URL for this site is <http://www.aapg.org/about/aapg/overview/committees/details/articleid/577/committee-history-of-petroleum-geology>

Ideas for content are upcoming events like sessions in ACE/ICE, PHI symposia, etc.; summaries of our books and presentations; and reviews and references to books, presentations, and the like by others.

The best use and design of the committee's LinkedIn profile would include the following.

- Using LinkedIn posts instead which seem to reach more people and doesn't require AAPG staff support.
- Get Bogdan to change the LinkedIn page from "committee" to "group".
- Shorten the "About this Group" section.
- Change banner picture to a group picture.
- Add member highlights that include short bios.
- Instructions will be developed on how to post on HoPG LinkedIn page.
- Someone will be approached about writing a post about the "Anomalies" book.

The following new business was addressed.

- A Memorial website. AAPG doesn't have the bandwidth to help but it will be investigated whether memorials could be posed on the history portion of the SEG Wiki and a link placed on the HoPG website. The option of posting memorials to the existing AAPG Wiki will be explored.
- AAPG is now doing podcasts – interviews with members and posting them. Distinguished Lectures are no on iTunes and online. The SIG will keep an eye out for more information and how to do its own podcasts and get them posted by AAPG.
- There is a huge push by AAPG to go global and increase international membership. The HoPG could reach out to YPs and professionals in the International AAPG groups to contribute to Historical Highlights and ACE talks. Contacts for each continent could be established with each contact reaching out to members on that continent.
- Potential fundraising by using the Amazon Smile donation option will be explored.

Erika Davis

Imperial Barrel Award

The 2019 Imperial Barrel Award (IBA) competition went off without a hitch for the 13th year in a row. This year the program attracted 124 approved teams comprised of 691 students and faculty advisors. Of these teams, 19 were from

universities that had never participated in IBA from the Africa, Asia Pacific, Europe, Latin America and Caribbean, and Middle East regions. Eleven teams earned the privilege of representing their region or section at the Global Finals held in San Antonio on May 18. In addition to the top three awards, the committee added two additional categories that highlighted teams who excelled in creativity and innovation, or teamwork. We had our first all-female team win an award at the global finals – Sultan Qaboos University from the Middle East Region. Also, Ain Shams University from the Africa Region won the first IBA award for their region in 13 years of competition. Winners are listed on the IBA website at www.iba.aapg.org.

To provide more training material to the participants, the committee and AAPG IT department collaborated on updating the resources page on the IBA website. Fred Schroeder made the largest contribution to the training material. Schroeder recorded a lecture series that is posted on the IBA website and provided live webinars that consisted of three lectures, given at two times to enable multiple time zones to participate. These live sessions reached more than 300 participants, in addition to the views that the recorded series received. The IBA Committee is dedicated to further improve this new resource by adding subtitles to all of the videos the help students that have English as a second, third, etc., language.

Sponsorship for 2019 was close to \$475,000 from a broad range of companies and societies, resulting in a small surplus. All but two Regions and Sections were able to cover their costs, some Regions and Sections had large surpluses. For 2020 we will be asking all Sections and Regions to reduce their costs to 80% of their 2019 spend. Cost reduction ideas that will be implemented in the 2020 IBA include (1) holding semifinal competitions at least seven weeks prior to global finals to save on travel costs; (2) consideration of virtual competitions for Region, sub-Region, and Section competitions; and (3) seeking out competition venues at E&P companies to save costs for facility use.

The IBA Committee is working on enhancing the experience for all participants. We've made changes to the automatically generated email received upon registration. The most significant addition is adding a cap on the number of teams within a Section or Region. We've discussed the representation of international schools at the global finals. Currently, six international schools earn the opportunity to compete against six schools

from the United States. The level of competition the teams face varies across the Sections and Regions. We are thinking of ways to "level the playing field," and will propose changes to the global finals structure, if well-reasoned and necessary.

We have many new faces on the committee compared to two years ago, each of them bringing passion and energy to the IBA. Former committee chair Kristen Wooden left the IBA in a position to succeed. The new committee co-chairs Afton Van Zandt and Karl Bloor have picked up where Kristen left off, and are heading into a second year with a strong committee ready to kick off the 2020 competition. Karl and Afton would like to thank the volunteers on the committee, coordinators, judges, faculty advisors, mentors, AAPG, and AAPG Foundation for enabling this tremendous experiential learning program. Finally, the IBA committee would like to thank the sponsors who make the IBA program possible. Sponsorship of IBA gives students an opportunity to work with well and seismic data, and to build the necessary skills to succeed in the oil and gas industry. You can catch the 2020 global finals on June 6, during the AAPG Annual Convention and Exhibition in Houston.

Karl Bloor and Afton Van Zandt

Investment

The AAPG Investment Committee reviewed the investments from inception to June 30, 2019. The new manager Vanguard took charge on November 13, 2018, with AAPG's initial investment of \$9,348,202. On June 30, 2019 the net asset value of the portfolio was \$10,081,728, a gain from inception of 7.8%. The gain year to date is 15.7% and the internal rate of return from inception is 13.9%. Currently the portfolio is invested two-thirds in domestic equities and one-third international equities. The Investment Committee decided to continue with this policy. Currently we have some \$3,156,000 in a money market fund, which has been held separately to cover various obligations such as employee pension obligations. All the obligations have been settled so we are now going to transfer \$2,000,000 to Vanguard over a phase in period to increase our equity holdings. The balance will be held in money market funds outside of Vanguard. At the beginning of June 30, 2018 the net asset value was \$16,304,797. Some \$3,000,000 was used to cover the pension obligations.

The Investment Committee has been reorganized with John Brock as chair and Bryant Fulk as vice-chair from the former committee and four additional members being the current and past presidents and the current and past treasurers.

John A. Brock

Preservation of Geoscience Data

The AAPG Preservation of Geoscience Data Committee last met in person at the Annual Convention and Exposition in San Antonio, Texas, on May 21, 2019. Nine people attended in person and two attended by phone call in.

Main goals and objectives for the committee that were discussed during the meeting and represent ongoing activity and communications during the year included the following.

1. Coordination with US Geological Survey National Geological and Geophysical Data Preservation Program. This program is managed by Lindsey Powers from the Denver office. It is a national program that provides funds to state geological surveys to manage and preserve geological and geophysical data and sample materials. They continue to support a major effort to developing digital resources as well as maintaining physical samples. They are currently promoting request for additional funding from Congress for data preservation.
2. Continue to compile a reference database of geoscience data and sample repositories throughout the United States with contact information and web page links. There should also be information as to the data, samples, cores, and other geoscience materials available at these repositories. Two such databases are now available and plan to be posted on the Committee's web site. One is a listing by state of the geoscience facilities in the United States that archive geoscience data and samples. It is in an Excel spreadsheet format and includes the state name, repository name, owner of the facility, physical address, website, contact person (email and phone number) and inventory of the collections in the USGS National Catalogue (National Geological and Geophysical Data Preservation Program - NGGDPP). This data set also includes a number of national/federal geoscience data repositories that house material from numerous states or the offshore

seabed. Harrison has shared a draft compilation with the committee and we plan to post on the Committee's web page when finalized.

A second spreadsheet prepared by Beverly DeJanett listing global geoscience repositories along with those in the United States. This database was prepared for the Deep Carbon Observatory and funded by the Alfred P. Sloan Foundation, but is being made available to the Committee as an additional source of information about geoscience data preservation.

3. Planning is underway to revise the Committee's brochure on preservation of geoscience data that was prepared years ago by vice-chair Patrick Gooding. Current idea is to have it as a digital document to save the cost of printing.
4. Discussions and possible recommendations for digital archiving of geoscience specimens, cores and samples. Several examples of core photography were discussed and their evaluation is ongoing. Preparation of a description of some of the technology and possible best practices manual is in progress. Developing a relationship with other initiatives such as Open Earth Initiative and Earth Cubed are being investigated.
5. The Committee is working to reach out to other professional organizations and build bridges relating to geoscience

data preservation. The committee will support a data preservation session at the 2019 annual GSA meeting in Phoenix, Arizona. Committee member Denise Hills is involved with the GSA activities.

William B. Harrison III
Patrick Gooding

Publications Pipeline

We had another busy year continuing with our mission to serve as a pipeline between book donors and geoscience universities worldwide. During the fiscal year we held 11 formal meetings as well as multiple work sessions dedicated to sorting, inventorying, boxing, and palletizing used books, journals, atlases, and maps that have been donated to the Publication Pipeline Committee by individuals and institutions. We completed three major shipments amounting to 28 pallets (a total of 19 tons) to South Africa and Senegal, and have been since April 2019 preparing a large shipment of 20 pallets for Tanzania.

The first major shipment consisted of 14 pallets containing the AAPG Foundation library. It was delivered to the University of the Western Cape in South Africa in November 2018, in time to be recognized at the International Conference and

Exhibition by past AAPG president Denise Cox. This shipment was funded by AAPG and was greatly facilitated in South Africa by PetroSA.

The second shipment of 10 pallets arrived in Dakar, Senegal in June and was delivered to the Institut National du Pétrole et du Gaz (INPG). This was followed a few weeks later by a third shipment consisting of four pallets for the University of Cheikh Anta Diop and INPG. These donations were made possible through the generous assistance and financial support of Africa Fortesa Corporation under the direction of executive chairman Rogers Beall.

In preparation for these shipments to Senegal, earlier in May we received at our Houston warehouse several distinguished visitors (see photo) including Youhanidou Wane Ba, commercial specialist, Embassy of the United States in Dakar; Aguiouba BA, director general of the National Institute of Petroleum and Gas; Ousmane Ndiaye, permanent secretary of COS PetroGaz (president's office) and chairman of the INPG; Cheikh Tidiane Ndiaye, director general for Fortesa international Sénégal; Joseph Medou, director of exploration, PetroSen; and Rogers Beall, executive chairman, Africa Fortessa Corporation.

The committee is currently preparing a shipment of 20 pallets for the University of Dodoma in Tanzania, under the generous sponsorship of Equinor. This donation contains near-complete collections of the *AAPG Bulletin* and *GSA Bulletin* as well as other journals and books including surplus AAPG publications.

We continue to receive a steady stream of donations from retiring geoscientists and various institutions including the Oklahoma Geological Survey. Our biggest challenge continues to be finding worthy recipients of these collections and, most importantly, corporate financial support to cover shipping costs. Possible future recipients include universities in Egypt, Uganda, and Kenya. We are currently exploring ways of finding potential sponsors and of recognizing present and past contributors.

Our most important assets are our active members, volunteers who dedicate several hours every month working on committee-related activities. Our current active roster consists of the following individuals: Jose Guzman (chair), Martin Cassidy (cochair), Bruce Cain (treasurer), Chuck Caughey (secretary), Gerrit Wind, Dan Pratt, Peter Sadler, Katy Foltz, Jon Blickwede, David





Blanchard, and Alyssa Cain. We always welcome new members who wish to dedicate some of their free time to this worldwide mission.

Jose Guzman, Chair
Martin Cassidy, Co-Chair

Student Chapters

This year the Student Chapter Committee has had the pleasure of working to advance the geological curiosity and knowledge of students around the world. There are currently 157 active student chapters, 103 international, and 54 domestic within 6 regions and 6 sections of AAPG.

The committee with the financial help of our generous sponsors (Exxon, Shell, and Schlumberger) hosted the ACE Student Chapter reception on Monday May 20. At the reception the Most Outstanding Student Chapters (small, international, domestic, and new), Student Chapter YouTube Video, Best Student Poster and Oral presenters, and the James A. Hartman Award were given. The list of recipients is below.

James A Hartman Award: Fred Schroeder
 YouTube Awards: First – Escuela Superior Politecnica Del Litoral
 Second – University of Brawijaya
 Third – Universidad Nacional de Ingenieria

Outstanding Student Chapters: New – Industrial University of Tyumen, Russia
 Small – University of Aberdeen, Scotland
 International – Suez University, Egypt
 Domestic – University of Oklahoma

The Student Chapter committee also hosted the Student Chapter and YP Leadership conference in conjunction with YP this year in Houston. We were able to have representatives from all sections and regions except Pacific and Asia – due to a short visa timeline. Overall the feedback from the conference was very positive. Students and liaisons/ coordinators were able to share and collaborate on ways to encourage participation in their sections and regions. Students also had the opportunity to share with the committee and Denise Cox, president of AAPG during the conference, their vision of sustainability in their specific regions. This international perspective allowed students to network with their peers from around the world as well as get candid one-on-one time with YPs and the executive committee, which they all found invaluable. The feedback we got the most from students is they want more opportunities to interact with current AAPG members and to be able to engage with geologist that have experience in an industry that they are so eager to join.

Speaking for both myself and my co-chair, Scott Douglas, I want to say the following. We wouldn't have had the successful year we did without the

support of the executive committee and we are forever grateful to have had the opportunity to host the leadership conference. We learned more than we could have dreamed from the students that attended. We encourage the executive committee to keep the Leadership Conference as one of their priorities. We can honestly say that the future of AAPG and geology is incredibly bright if we keep bringing outstanding students together and nurturing their careers.

Sarah Allen, Co-chair
Scott Douglas, Co-chair

Super Basin Initiative

This is a report of the Super Basin Ad Hoc committee, activities for FY 2019. During this time, eight super basin themed events were held with participation by more than 3,000 attendees. This report includes additional context and background. This committee has a steering committee of 25 individuals with global perspectives.

Every 15-20 years AAPG holds Pratt conferences designed to take stock of industry knowledge and plan for future strategic directions. The first conference convened in 1984 "Future Petroleum Provinces of the World." The second conference in 2000, "Petroleum Provinces of the Twenty First Century,"

focused on mainly new areas. In 2018-2020, at the dawn of AAPG's second century, an energy renaissance in abundant and affordable energy has reset our thinking. A mood of optimism has replaced fear of shortage and "peak oil" decline. While we continue to explore new frontiers, industry has returned to the world's richest petroleum bearing basins with an all-out effort to optimize extensive infrastructure using new technology. This is the advent of super basins and impetus for a new series of conferences.

While previous Pratt conferences produced Memoirs 40 and 76, super basins conferences are leaving a legacy of multimedia presentations that can be accessed globally through the AAPG website.

What is a super basin? A basin with 5 BBOE produced and yet to produce, many pays and plays, and substantial infrastructure (Super Basins, Bob Fryklund, Pete Stark, IHS market research paper, 2016). In contrast to rank frontier exploration, super basins are well-known basins where technology is the game changer. Super basins combine geoscience architecture, commerciality, infrastructure, and above-ground issues in a holistic review. While there are about 900 petroleum bearing basins around the world and 130 or so that qualify as super basins, comparing and contrasting the world's top 30 super basins enables anticipation of new resources by looking for opportunities in all basins.

Onshore basins with unconventional resources are benefitting from engineering breakthroughs in stimulation and recovery.

Offshore basins with conventional resources are being revitalized below salt and other barriers by enhanced seismic imaging. Geoscience plays a key role and AAPG members are leading the way.

What can we learn from super basins? Each has at least one active world class petroleum systems where petroleum modeling can be a powerful predictor of "yet to find resources." The prototype architecture consists of rich source rocks buried by a thick sedimentary section (commonly basin fill clinoforms), capped by a regional seal or series of seals, in a nonleaky setting. Thus, passive margins, rift and intracratonic basins hold two-thirds of world's giant fields. Super basins like California and Saudi Arabia have many structural traps but few stratigraphic traps. These types of observations are examples upon which exploration programs can be built. The goal of super basin forums is to reveal comparative insights for actionable intelligence.

The Permian Basin is the prototype onshore unconventional super basin. It possesses key geological fundamentals in abundance. In addition, the Permian Basin and other North American basins are a fertile crescent and cradle of technology. They possess critical factors for innovation: private mineral ownership, a strongly networked community, service company partnerships, and immediate rewards for risk taking. The Permian Basin offers hard-won lessons from more than a decade that include addressing needs for transport, water source and disposal, sand shortage, and gas/oil ratios (from source rock and well interference). Building on this experience, other basins can leapfrog

ahead. Where might other "Permian Basins" emerge?

Our industry is making great progress to improve energy, environment, economics and global security. We are rebalancing our energy portfolio by replacing clean burning natural gas for less efficient energy sources. Alternate energy innovation is occurring, but hydrocarbons have, are, and will play a dominant role in global prosperity for generations to come. The super basin renaissance, just like AAPG's second century, is just beginning.

Technology transfer

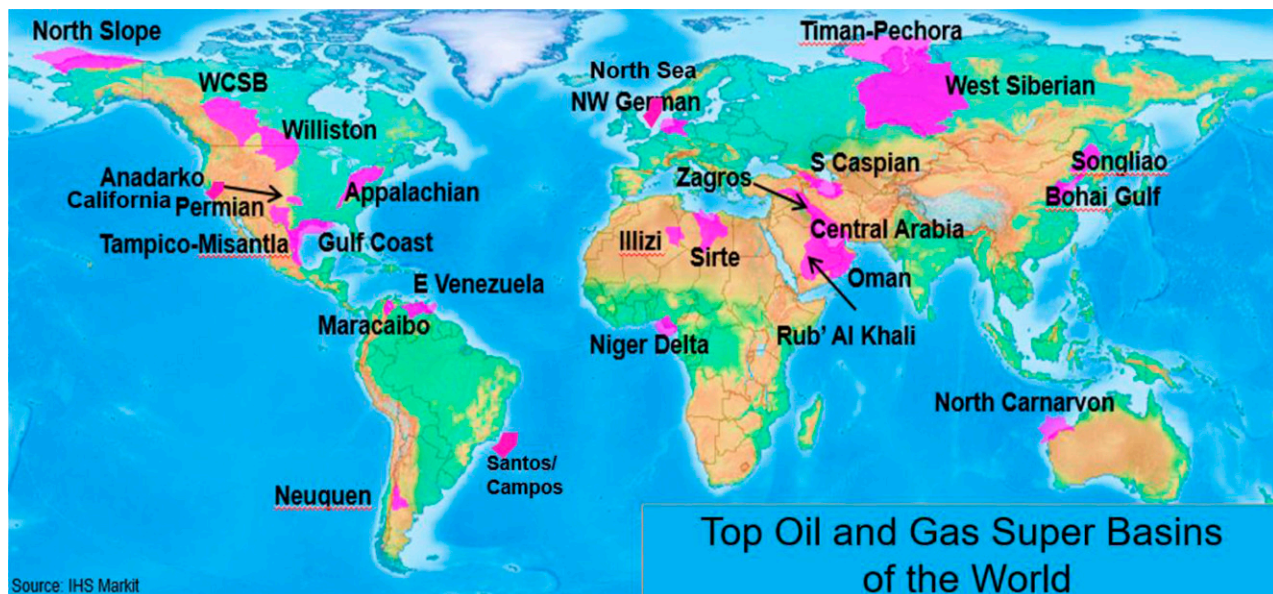
How is technology transferred from "centers of excellence"? Independents, major companies, service companies, and AAPG play important roles. AAPG has instituted a series of conferences, forums, and publications to assist geoscientists. In the last 14 months the speaker has participated in 10 events with 4,177 total attendees focused on super basin topics. The third Global Super Basins Leadership Conference is planned for February 11-13, 2020 in Houston Texas.

AAPG Bulletin Initiative

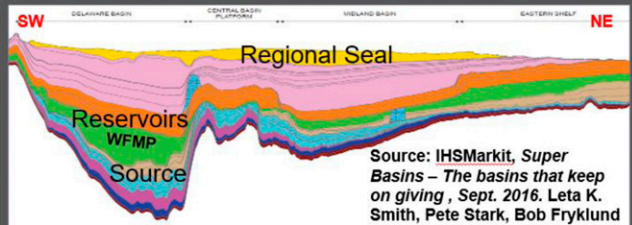
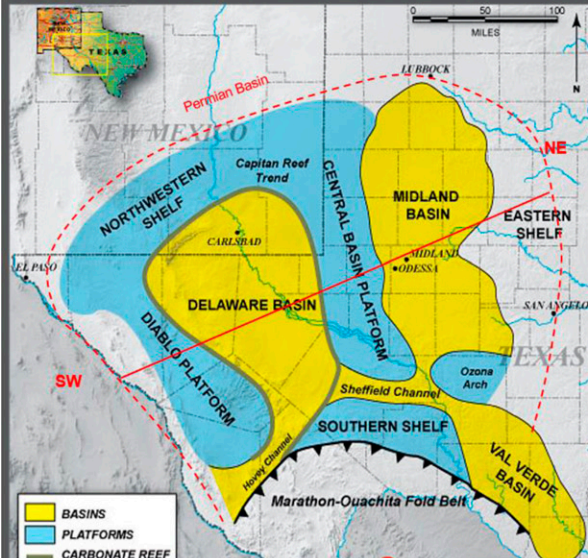
Global experts on the world's richest basins have been proactively recruited to submit articles to the AAPG Bulletin. Currently 8-10 papers are in the works for publication in future issues of the *AAPG Bulletin*.

Questions

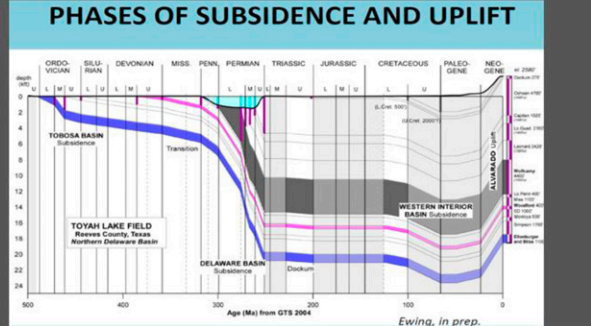
- What makes a super basin special and unique and what can we learn from them?



Permian Basin –“super basin” prototype architecture onshore, unconventional, geology and engineering



1) Four source zones; three low in pile; 2) Maturation due to Permian subsidence for most of basin; 3) Late salt seal reduces leakage;



- What are the critical geoscience elements that contribute to success?
- What is the exploration and production history, and what are the major plays with remaining potential—conventional, unconventional, and field growth.
- What are key innovations in each super basin, these include adoption of horizontal drilling, hydraulic stimulation, completion and drilling techniques, and seismic imaging that helped unlock the

potential and what is needed to grow it further?

- How do “above ground” issues like politics, access, mineral ownership, and geography influence realizing the full resource potential of each super basin?
- Will the basin be a regional or global disrupter?

Mission

To bring together experts on the world’s richest energy basins to study the

geoscience architecture, explore the technology, and to anticipate opportunities in basins that have unrealized potential. To build programs that pack the house, yield economic surplus to AAPG, and create a valuable legacy through written and multimedia archives (videos and presentations).

Ongoing plans for FY 2019-20

- Super Basin of Latin American basins session planned for ICE Buenos Aires on

The Next Wave: Super Basins 2020

Feb 11-13, Houston Texas

Super Basins 2018

Super Basins 2019

Thanks to 4,177
~~3500~~ Attendees!



August 30 (see article in the August 2019 *AAPG EXPLORER*).

- Global Super Basin Leadership Conference planned for Feb 11-13, 2020 at the Marriott Sugar Land (Houston, Texas). The event is planned to pack the house, to leave a legacy of presentations on many of the world's richest petroleum basins, and to yield a significant net profit to AAPG.
- To organize a session on Middle East Super Basins for GEO March 13-16 in Bahrain.
- To explore future programs with Sections and Regions on Super Basin themed events

- To continue joint efforts with the AAPG Elected Editor to bring forward super basin themed papers for the *AAPG Bulletin*.

C. A. Sternbach, chair of the Super Basin Ad Hoc Committee and past president AAPG 2017-2018

Event History and Plans For Super Basin

- **March 27-29, 2018 Inaugural AAPG Global Super Basin Leadership Conference (275)**
- May 21 2018 Super Basin Forum at AAPG (ACE) Salt Lake City, Utah (500)
- June 13 2018 EAGE: European Basins, North Sea and North Africa super basins (350)
- August 22, 2018 Conjugate Margins Conference, Halifax CA (200)
- Sept. 11 2018 HGS Africa Conf., Super Basins African Perspective (225)
- Oct. 3, 2018 INGEPET, Lima Peru, Super Basins Latin America Basins (800)
- Oct 30, 2018 Houston, Super Basin Center's of Excellence: Exxon, Chevron, BP and Anadarko, Global Women's Forum, (800)
- Nov. 7, AAPG (ICE) Africa and Middle East Basins, Cape Town South Africa (100)
- **January 22-24, 2019, AAPG, Permian Super Basin, Houston, TX (290)**
- Feb 5, 2019, UT Energy Week, Panel discussion, presentation on Super Basin Initiative (200)
- March 3-5 2019 Hedberg on Petroleum Systems, Houston TX (187) April 8, 2019 SW Section 100th Anniversary Meeting DGS, Dallas TX (250) **Running TOTAL 4,177 Attendees**
- August 27-30, 2019 AAPG (ICE), Buenos Aires, Argentina, Latin American Super Basins
- **Feb 11-13, 2020 AAPG Global Super Basin Leadership Conference 3.0, Houston TX**
- March 16-19, 2020, GEO Bahrain, Middle East Basins
- Interest expressed for events in China, SE Asia, Australia

Young Professionals

This annual report of the Young Professionals Special Interest Group aims to provide a high-level overview of the activities that were organized during the 2018-2019 fiscal year. For further details, feel free to contact the SIG leadership committee chairs.

The 8th Young Professionals Leadership Summit was hosted in Houston, Texas, on October 19-20, 2018. Thirteen YP from around the world discussed the way forward for YP initiatives in AAPG. The meeting consisted of sessions where YP attendees reviewed and discussed the major focus areas of the YP SIG, including the AAPG value proposition to YP, communication, member recruitment and retention, and the future of YP within AAPG. The participants also discussed the decision by AAPG HQ to halt funding of the YPLS. During the two-day event, the YP also held a couple of joint sessions with the Student Chapter Leadership Summit that was happening concurrently, as well as attended a networking event and dinner with the advisory council.

At the Annual Convention and Exhibition in San Antonio on May 19-22, 2019, the Young Professionals organized a packed program. Sunday, the popular meet-and-greet drew a crowd of nearly 200 people prior to the opening ceremony and icebreaker reception. Later that evening, the YP networking reception drew more than 100 people for lively discussions with new and old friends.

Communication with the membership is another key task of the SIG leadership committee which we accomplish through our monthly YP Connect article in the *AAPG EXPLORER*, as well as by maintaining an active online presence on Facebook, LinkedIn, Twitter,

Instagram and the AAPG website. This year, the committee has focused on updating the membership on the SIG's major focus areas. YP Connect articles like "Developing new ideas to Improve AAPG's value proposition" directly address the many initiatives coming from the YP SIG to grow, engage, and retain members.

Last but not least, the committee has an important role as a conduit for sharing information between the Sections and Regions about the activities that are organized by the global network of YP chapters, as well as at Section, Region and local society events. YP Chapters have been extremely busy engaging their members and furthering the mission of the YP. Here is a taste of the activities that our groups have engaged in this fiscal year:

- Africa Region – Held several technical talks and technical workshops; oil and gas exploration and production industry forum; YP community service program; data analytics bootcamp; multiple networking events and mock job interviews.
- Asia/Pacific Region – Several technical talks; career talk/sharing with the University of Malaya; technical workshops and short courses with senior industry professionals. We welcomed Sankhadip Bhattacharya as co-lead for the YPs as of July 1, 2019 (replacing Wan Ching Low).
- Canada Region – Speaker series program in partnership with CSPG; Energy Business Forum in conjunction with the Canadian Energy Executive Association and seven additional young professional networks; multiple volunteer and social events.
- Europe Region – Multiple technical, social and sporting events, particularly within the highly active London chapter; Hague chapter opted to leave the AAPG mid-year; challenges with

advertising events with mailing list constraints; sponsorship initiatives have been creating a healthy financial situation since there was no AAPG YP funding.

- Latin America Region – held highly successful three-day LACR Student and YP Leadership Summit in Colombia; worked with LACR leadership to introduce the Ready to Work program for students and YPs with less than 2 years' experience; held multiple networking and technical events. Juan Carlos Quinto stepped down as YP vice-chair. His position was filled by Martin Oviedo from Peru.
- Middle East Region – Dinner for YP women in geoscience; Q&A for YP with AAPG president Denise Cox while she was visiting the Region.
- Eastern Section – Events were focused on the annual convention where most of the YP group for the Section will be in attendance; held networking event in Pittsburgh to see the local geology found within the city.
- Gulf Coast Section – No report submitted.
- Mid-Continent Section – Held one social networking event.
- Pacific Section – No report submitted.
- Rocky Mountain Section – No report submitted.
- Southwest Section – Multiple social networking events.

Moving forward, the YP SIG will continue to concentrate on the focus areas that were revisited and revised from the 8th annual YPLS, as well as to continue to meet the needs of our members in a challenged economic and membership retention environment.

Robynn Dicks and Ryan Lemiski
Young Professionals Special Interest Group Chairs

Association Awards

Sidney Powers Memorial Award

The Sidney Powers Memorial Award (AAPG's most distinguished 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 Crouse
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. Friedman
2001 — Robert M. Sneider
2002 — James L. Wilson
2003 — Peter R. Vail
2004 — Lawrence W. Funkhouser
2005 — Kenneth W. Glennie
2006 — Robert M. Mitchum, Jr.
2007 — Arnold H. Bouma
2008 — Fred F. Meissner
2009 — Marlan W. Downey
2010 — L. Frank Brown, Jr.
2011 — John W. Shelton
2012 — Koenraad J. Weber
2013 — Dietrich H. Welte
2014 — Ernest A. Mancini
2015 — Paul M. "Mitch" Harris
2016 — Paul E. Potter
2017 — Lawrence D. Meckel, Jr.
2018 — Michael C. Forrest
2019 — Kenneth E. Peters

Michel T. Halbouty Outstanding Leadership Award

Michel T. Halbouty Outstanding Leadership Award (AAPG's second most distinguished award, second to the Sidney Powers Memorial Award) is given each year by the Association in recognition of outstanding and exceptional leadership in the petroleum geosciences.

2007 — John J. Amoroso
2008 — James A. Gibbs
2009 — M. Ray Thomasson
2010 — Patrick J. F. Gratton
2011 — Daniel L. Smith
2012 — Robbie R. Gries
2013 — Stephen A. Sonnenberg
2014 — Peter R. Rose
2015 — Alfredo Eduardo Guzmán
2016 — Scott W. Tinker
2017 — Edward D. Dolly
2018 — Hans H. Krause
2019 — Bernard C. Duval

Honorary Member Award

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.

2019 Recipients

Kevin Bohacs
Larry L. Jones
Lawrence H. Wickstrom

Jeffrey B. Aldrich, 2018
Katharine "Lee" Avary, 2017
Mahmoud Abdul-Baqi, 2003
Adekunle A. Adesida, 2012
Adebayo O. Akinpelu, 2010
Ibrahim A. Al-Jallal, 2012
Hussain M. Alotaibi, 2016
Abdulahman Alsharahan, 2015
John Armentrout, 2014
Albert W. Bally, 1986
William J. Barrett, 2015
Edward A. (Ted) Beaumont, 2018
István Bérczi, 2014
Lee T. Billingsley, 2012
Richard S. Bishop, 2006
George R. Bole, 1999
Dudley W. Bolyard, 2012
Louis C. Bortz, 1988
James "Jim" Brooks, 1993*
John R. V. Brooks, 1997*
Martha Lou Broussard, 2004
David G. Campbell, 1995
Elizabeth B. Campen, 2009
Paul A. Catacosinos, 2000
Donald D. Clarke, 2014
Stewart Chuber, 2004
James M. Coleman, 2002
David R. Cook, 2017
Robert L. Countryman, 2011
Robert D. Cowdery, 1987
Brenda K. Cunningham, 2001
Edward K. David, 2005
Gerard J. Demaison, 1995
Rebecca Lee Dodge, 2016
Edward D. Dolly, 2007
Wallace G. Dow, 2015
Bernard C. Duval, 1995*
George Eynon, 2008
William L. Fisher, 1990
Peter T. Flawn, 1983
Michael Forrest, 2016
Lawrence W. Funkhouser, 1984
Lee C. Gerhard, 1997
James A. Gibbs, 1995
Ned (E. E.) Gilbert, 2001
Gretchen M. Gillis, 2018
Robert N. Ginsburg, 1991
William E. Gipson, 1991
Kenneth W. Glennie, 2003

*Distinguished Achievement Awardee

Steven M. Goolsby, 2017
 Claus Heinrich Graf, 1996*
 Patrick J. F. Gratton, 2002
 Willard R. Green, 1998
 Robbie Rice Gries, 1998
 Walter P. Grün, 2003*
 Robert D. Gunn, 1983
 Jeanne E. Harris, 2013
 Paul M. Harris, 2012
 Frank W. Harrison, Jr., 1986
 John D. Haun, 1984
 David H. Hawk, 2015
 Christopher P. M. Heath, 2005
 Martin D. Hewitt, 2014
 G. Warfield "Skip" Hobbs, 2005
 John R. Hogg, 2010
 Terry L. Hollrah, 2006
 Robert R. Jordan, 1993
 John G. Kaldi, 2009
 Barry J. Katz, 2011
 John R. Kerns, 1993
 Hans H. Krause, 1998*
 Susan M. Landon, 2000
 Roberto A. Leigh, 1996*
 Donald W. Lewis, 2008
 Desheng Li, 1994*
 Robert G. Lindblom, 1999
 Peter M. Lloyd, 2008
 John C. Lorenz, 2015
 Jeffrey W. Lund, 2018
 Leslie B. Magoon, 2017
 Ernest A. Mancini, 2008
 Anibal R. Martinez, 1983*
 James S. McGhay, 2014
 Lawrence D. Meckel, 2016
 Marcio Rocha Mello, 1998*
 Daniel F. Merriam, 1996
 Richard F. Meyer, 1987
 Robert M. Mitchum, Jr., 2000
 Raul Mosmann, 2002
 D. Keith Murray, 1988
 J. Michael Party, 2009
 Douglas G. Patchen, 2004
 Alain Perrodon, 1995*
 Kenneth E. Peters, 2013
 M. Dane Picard, 1994
 George B. Pichel, 1991
 Edward B. Picou, Jr., 2002
 Lewis S. "Stan" Pittman, 2001
 Kay L. Pitts, 2015
 David G. Rensink, 2018
 W. C. "Rusty" Riese, 2017
 James P. Rogers, 2017
 Peter R. Rose, 2002
 Wolfgang Schlager, 1999*
 Harrison Hagan Schmitt, 2006
 Nahum Schneidemann, 1994
 Valary L. Schulz, 2016
 John W. Shelton, 1990
 Roger M. Slatt, 2003
 Carl J. Smith, 2001
 Daniel L. Smith, 2007
 Stephen A. Sonnenberg, 2008

Bill St. John, 1988
 Philip H. Stark, 2012
 Charles A. Sternbach, 2011
 Donald Sherwood Stone, 1994
 M. Ray Thomasson, 2003
 Jack C. Threet, 2008
 Scott W. Tinker, 2015
 Bernard P. Tissot, 1987
 Harrison Lee Townes, 1997
 Peter R. Vail, 1991
 Arthur M. Van Tyne, 1996
 Steven L. Veal, 2011
 Koenraad Weber, 2004*
 Paul Weimer, 2018
 Robert J. Weimer, 1982
 Larry D. Woodfork, 1990
 Pinar O. Yilmaz, 2010

Deceased Honorary Members with Year of Election or Year of Award

John Emery Adams, 1966
 Abdulla Al-Naim, 2013
 John J. Amoruso, 1987
 Gordon I. Atwater, 1969
 Fritz L. Aurin, 1960
 Andrew D. Baillie, 1990
 Thomas D. Barber, 1997
 Leonidas T. Barrow, 1959
 N. Wood Bass, 1961
 Ted L. Bear, 1988
 B. Warren Beebe, 1966
 Alfred H. Bell, 1962
 Allan Parnell Bennison, 1999
 Robert R. Berg, 1985
 D. L. Blackstone, Jr., 1990
 Richard R. Bloomer, 1987
 Arnold H. Bouma, 2007
 Leslie Bowling, 1975
 Don R. Boyd, 1989
 Carl C. Branson, 1973
 Jules Braunstein, 1980
 John M. Browning, 1985
 George S. Buchanan, 1965
 Daniel A. Busch, 1978
 H. P. Bybee, 1956
 M. R. Campbell, 1934
 Carlos Walter M. Campos, 1992
 Joe Cannon, 1994
 A. T. "Toby" Carleton, 2000
 Everett Carpenter, 1958
 J. Ben Carsey, 1966
 Arlo E. Childs, 1970
 H. Victor Church, 1987
 Frank R. Clark, 1958
 Leslie M. Clark, 1976
 Robey H. Clark, 1985
 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

Herbert G. Davis, 1986
 Morgan J. Davis, Sr., 1964
 Ralph E. Davis, 1960
 L. Courtney Decius, 1975
 C. E. Decker, 1927
 Ronald K. DeFord, 1965
 Wallace de Witt, Jr., 1999
 Thomas W. Dibblee, Jr., 1996
 E. L. DeGolyer, 1944
 Alex Deussen, 1953
 Parke A. Dickey, 1989
 Fred A. Dix, 1986
 Carroll E. Dobbin, 1957
 Charles F. Dodge III, 1999
 Robert H. Dott, Sr., 1962
 Marlan W. Downey, 2007
 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
 Gerald Manfred Friedman, 1990
 H. B. Fuqua, 1983
 John T. Galley, 1980
 John E. Galley, 1983
 G. C. Gester, 1949
 George R. Gibson, 1973
 August Goldstein, Jr., 1981
 H. B. Goodrich, 1929
 C. N. Gould, 1943
 Howard R. Gould, 1979
 Cecil H. Green, 1993
 George C. Grow Jr., 1988
 Eduardo J. Guzmán, 1972
 Michel T. Halbouty, 1969
 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
 Merrill W. Haas, 1979
 James Austin Hartman, 1992
 Roy T. Hazzard, 1959
 John C. Hazzard, 1973
 Kenneth C. Hald, 1957
 Hollis D. Hedberg, 1967
 Thomas A. Hendricks, 1971
 William B. Heroy, 1957
 William B. Heroy, Jr., 2001
 Mason L. Hill, 1966
 Melvin J. Hill, 1979
 R. T. Hill, 1926
 John M. Hills, 1980
 William J. Hilseweck, 1969
 Harold W. Hoots, 1974
 Myron K. Horn, 1997

*Distinguished Achievement Awardee

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
 James R. Jackson, Jr., 1982
 H. R. Johnson, 1953
 Percy E. (Peter) Kent, 1976
 John E. Kilkenny, 1972
 Robert E. King, 1970
 Robert E. Klabzuba, 1992
 Robert M. Kleinpell, 1973
 Hugh Douglas Klemme, 1991
 G. Moses Knebel, 1965
 Samuel H. Knight, 1959
 Edward Koester, 1971
 Frank E. Kottowski, 1985
 Hans G. Kugler, 1968
 F. H. Lahee, 1947
 Kenneth K. Landes, 1962
 A. C. Lawson, 1937
 Rufus J. LeBlanc, 1981
 M. M. Leighton, 1950
 A. I. Levorsen, 1957
 James O. Lewis, 1986
 Ray C. Lewis, 1993
 Theodore A. Link, 1962
 John P. Lockridge, 1987
 E. R. Lloyd, 1950
 John David Love, 1995
 Charles J. Mankin, 2000
 John A. Masters, 1996
 Leonard F. McCollum, 1974
 Charles J. Mankin, 2000
 John A. Masters, 1996
 Dean A. McGee, 1989
 Duncan A. McNaughton, 1988
 Robert E. McGill, 1993
 Maurice G. Mehl, 1961
 Fred F. Meissner, 2001
 Lee Hillard Meltzer, 1983
 W. C. Mendenhall, 1935
 Willis G. Meyer, 1984
 Harry A. Miller, 1985
 Ralph LeRoy Miller, 1988
 Marcus E. Milling, 1998
 H. D. Miser, 1948
 V. E. Monnett, 1955
 Raul Mosmann, 2002
 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
 William R. Muehlberger, 1995
 Grover E. Murray, 1970
 Roelof J. Murris, 1995*
 Jerry Bowers Newby, 1967
 Arne R. Nielsen, 1992
 Gordon B. Oakeshott, 1981
 W. W. Orcutt, 1926

Ezequiel Ordóñez, 1935
 Edgar W. Owen, 1960
 Ben H. Parker, 1966
 John M. Parker, 1987
 James A. Peterson, 1996
 Thomas Hughes Philpott, 1993
 Max G. Pitcher, 1994
 Wallace E. Pratt, 1957
 R. Randy Ray, 2011
 R. D. Reed, 1939
 Eugene F. "Bud" Reid, 1991
 John L. Rich, 1954
 David G. Roberts, 2001
 John W. Rold, 2006
 John T. Rouse, 1971
 David G. Roberts, 2001
 John W. Rold, 2006
 Edward C. Roy, Jr., 1993
 Eric A. Rudd, 1992*
 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
 Robert M. Sneider, 1994
 William C. Spooner, 1958
 Hans Stille, 1937
 Paul M. Strunk, 1999
 J. A. Taff, 1934
 Charles H. Taylor, 1961
 John A. Taylor, 1982
 Daniel J. Tearpock, 2013
 W. Taylor Thom, Jr., 1958
 Don F. Tobin, 1998
 Arthur C. Trowbridge, 1958
 Daniel Trumpy, 1964
 Edd R. Turner, 1982
 Marion O. Turner, 1984
 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
 James E. Wilson, Jr., 1977
 James Lee Wilson, 1987
 W. G. Woolnough, 1941
 W. E. Wrather, 1943
 Donald L. Ziegler, 1986
 Peter A. Ziegler, 2009

Norman H. Foster Outstanding Explorer Award

The Norman H. Foster Outstanding Explorer Award (formerly the Outstanding Explorer Award 2002–2011) 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
 2004 — Clayton H. Riddell
 2005 — John P. Lockridge
 2006 — Richard L. "Dick" Findley
 2007 — Dan B. Steward
 2008 — Dudley J. Hughes
 2009 — Michael J. Johnson
 2010 — John Amoruso,
 J. Denny Bartell Larry Bartell
 2011 — Douglas K. Strickland
 2012 — Dan A. Hughes
 2013 — William A. Zagorski
 2014 — Orion L. Skinner
 2015 — Hans Christen Rønnevik
 2016 — Richard K. Stoneburner
 2017 — Terry J. Mather
 2018 — Susan Morrice
 2019 — Chengzao Jia

Robert R. Berg Outstanding Research Award

2009 — Bradford E. Prather
 2010 — Martin P. A. Jackson
 2011 — Ole Jacob Martinsen
 2012 — Henry W. Posamentier
 2013 — Ronald A. Nelson
 J. Frederick Sarg
 2014 — Kevin M. Bohacs
 Robert G. Loucks
 2015 — Kitty L. Milliken
 Mark D. Zoback
 2016 — Michael D. Lewan
 Quinn R. Passey
 2017 — Julie A. LeFever
 2018 — Carlo Doglioni
 Mark G. Rowan
 2019 — Kurt Marfurt

Michel T. Halbouty Memorial Human Needs Award

The Michel T. Halbouty Memorial Human Needs Award was given 1972–2004 as

*Distinguished Achievement Awardee

AAPG's third highest Award to honor an individual for 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
 2004 — Hugh Davies

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 Schneidemann
 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
 Phillip E. Playford*
 1993 — Paul A. Catacosinos
 John C. "Jack" Dunlap
 Mateu Esteban*
 Gay L. Harmann Larre
 Hugh M. Looney
 Lucien Montadert*
 Wolfgang Schlager*
 George D. Severson
 Paul M. Strunk
 Thomas L. Wright
 1994 — Charles S. Hutchison*
 Murray Johnstone*
 R. Pratiatna Koesoemadinata*
 Susan Longacre
 Edward McFarlan, Jr.
 G. A. S. Nayoan*
 Khalid Ngah*
 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
 Kenneth Jinghwa Hsu*
 Susan M. Landon A. John Martin*
 Charles R. (Chuck) Noll
 M. Ray Thomasson
 Peter A. Ziegler*
 1996 — Pablo Cruz-Helu*
 Ashton F. Embry
 George Eynon
 Jeffrey C. Greenawalt
 Gary E. Henry
 Gustavas Warfield Hobbs IV
 Maria Antonieta Lorente*
 Rafael Sanchez-Montes de Oca*
 Peter R. Rose
 Roger M. Slatt
 Carlos Maria Urien*
 1997 — Lee T. Billingsley
 Stewart Chuber
 Walter P. Grun*
 Terry L. Hollrah
 Frank Horvath*
 John George Kaldi*
 Susan M. Morrice
 Emiliano Mutti*
 David G. Roberts*

*Special Commendation Awardee

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
 Celso Fernando Lucchesi*
 Raul Mosmann*
 F. Pierce Pratt
 Edward G. Purdy*
 1999 — Abdulla H. Al-Naim*
 Jean Dercourt*
 Richard Hardman*
 Ed W. Heath
 James A. Noel
 Roy D. Nurmi
 Douglas Gene Patchen
 Edward B. Picou, Jr.
 Stephen A. Sonnenberg
 2000 — Edward D. Dolly
 Peter M. Lloyd*
 J. Michael Party
 Robert T. Sellars, Jr.
 Robert C. Shoup
 Dietrich Welte*
 Pinar Oya Yilmaz
 2001 — Elizabeth B. Campen
 Chuck Caughey
 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
 2004 — Royce P. Carr
 Pete G. Gray
 Jeanne E. Harris
 Barry J. Katz
 Lowell K. Lischer
 Deborah K. Sacrey
 2005 — Adebaya Akinpelu
 Thomas C. Chidsey, Jr.
 Thomas E. Ewing
 Richard G. Green
 Gerald E. Harrington
 R. Randy Ray
 Charles Alan Sternbach
 Jack C. Threet
 Scott W. Tinker
 2006 — Martin D. Hewitt
 Neil F. Hurley
 John George Kaldi
 Larry C. Knauer
 Jeffrey W. Lund

2007 — Adekunle A. Adesida
 Alfredo E. Guzman
 Andrew Hurst
 John C. Lorenz
 Eric P. Mason
 Valary L. Schulz
 2008 — Katharine Lee Avary
 John (Jack) D. Edwards
 Barry A. Goldstein
 Douglas C. Peters
 2009 — Alistair R. Brown
 Larry L. Jones
 Mike J. Lakin
 Dalton F. Lackman
 Kenneth M. Mallon
 Randi S. Martinsen
 Robert C. Mummery
 John E. Ritter
 Stephen L. Shaw
 Jack H. West
 2010 — Martin M. Cassidy
 Rebecca L. Dodge
 Bob A. Hardage
 Dwight "Clint" Moore
 Terence G. O'Hare
 Craig W. Reynolds
 John W. Robinson
 2011 — Deborah E. Ajakaiye
 Herman Darman
 Rick L. Ericksen
 Gretchen M. Gillis
 Gina B. Godfrey
 Sigrunn Johnsen
 Walter C. "Rusty" Riese
 2012 — Edith C. Allison
 Susan M. Cunningham
 David A. Dolph
 Paul F. Hoffman
 Alain-Yves Huc
 William A. Morgan
 Adedola R. Ojelabi
 Victor H. Vega
 Mark L. Wilson
 2013 — Eugene L. Ames III
 Mark J. Gallagher
 Frances J. Hein
 Joseph J. Lambiase
 Stephen D. Levine
 Brian E. Lock
 Richard A. Lorentz, Jr.
 William C. Stephens
 Linda R. Sternbach
 Laura C. Zahm
 2014 — Hussain M. Al-Otaibi
 Donna S. Anderson
 William P. Bosworth
 Peter Burri
 Michael R. Canich Jr.
 David R. Cook
 Mark Cooper
 Bret J. Fossum
 Steven M. Goolsby
 2015 — Ronald F. Broadhead
 Ross A. Clark
 Denise M. Cox

John Dolson
 Meredith Faber
 William S. Houston
 Mark W. Longman
 John A. Minch
 James F. Reilly
 Gabor C. Tari
 Peter Wigley
 2016 — Abdulkader M. Afifi
 Sa'id Al-Hajri
 Paul J. English
 Peter Hennings
 Arthur H. Johnson
 Stephen E. Laubach
 Geir Lunde
 Terrilyn M. Olson
 Debra Purifoy Osborne
 2017 — Fowzia Hussain Abdullah
 Anwar M. Al-Beaiji
 Sylvia M. C. Anjos
 Mary Broussard
 Richard D. Fritz
 Creties D. Jenkins
 Kurt Neher
 Robert N. Ryan, Jr.
 Lawrence H. Wickstrom
 2018 — Peter William Baillie
 Richard Ball
 Steven Brachman
 Cynthia Huggins
 Jon R. Schwalbach
 Michael L. Sweet
 2019 — Ibrahim A. Alghamdi
 Marvin Brittenham
 Satinder Chopra
 John B. Curtis
 Evelyn Medvin
 Kenneth E. Nemeth
 Tim Rynott
 K. B. Trivedi
 John T. Williams

Grover E. Murray Memorial Distinguished Educator Award

The Grover E. Murray Memorial Distinguished Educator Award (formerly 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

2004 — Knut O. Bjorlykke
William E. Galloway
Andrew D. Miall
Edward C. Roy, Jr.

2005 — Aureal T. Cross
Fred Franke Meissner
Paul Weimer

2006 — G. Randy Keller
Brian E. Lock
Roger M. Slatt
John Edward Warme

2007 — Janok P. Bhattacharya
A. Eugene Fritsche
Stephan A. Graham

2008 — Robert S. Gray
S. George Pemberton

2009 — J. Frederick Read
Finn Surlyk

2010 — Wayne M. Ahr
Eric A. Erslev
Murray K. Gingras

2011 — Lawrence D. Meckel
Ronald J. Steel

2012 — Andrew Hurst
Howard D. Johnson

2013 — Carlton E. Brett
John R. Underhill

2014 — Joseph A. Cartwright
Gregor P. Eberli
Charles Kerans
Donald R. Lowe

2015 — Samuel O. Akande
Donald Wilkin Boyd
James O. Puckette
V. Paul Wright

2016 — Brenda L. Kirkland
Xiaomin Zhu

2017 — Norman J. Hyne
Cari L. Johnson

2018 — Frank Ettensohn
Philip Steven Simony

2019 — Michael Grammer
Kathleen Marsaglia

for a variety of reasons, do not qualify for other Association honors and awards. In 2011 the name of the award was changed from the Special Award to the Harrison Schmitt Award.

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. McGill (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 (for contributions to the education of geologists and for achievements in Philippine petroleum exploration)

2003 — Waverly Person (for contributions to the field of earthquake studies and establishment of the National Earthquake Information Center)

2004 — Dietrich H. Welte (for contributions in petroleum geochemistry and numerical modeling of petroleum systems)

2005 — John W. Gibson, Jr. (for his contribution to AAPG's legacy on ethics)

2006 — Jorge Ferrer (for efforts to improve international communications)
Roy H. Gabrielsen (for leadership of academic and industrial petroleum research)

2007 — Richard D. Fritz (for visionary leadership and stalwart management of AAPG's scientific and business activities)
Marcus E. Milling (posthumously) (for leading the American Geological Institute to national prominence in earth science education, public geoscience outreach and government relations.

2008 — Nikolai V. Lopatin (for recognizing his lifelong contribution to petroleum geochemistry and establishing some of the most important principles of petroleum maturation and migration)
Steven L. Veal (for contributing to the AAPG over the past two decades, including service to HoD, DEG, Conventions and the Executive Committee)

2009 — Alexi E. Kontorovich
Akif Ali Narimanov

2010 — Robert W. Allen
George P. Mitchell

2011 — Anthony Doré
Myron K. Horn

Harrison Schmitt Award

The Harrison Schmitt Award recognizes individuals or organizations that,

- 2012 — Jill Stevens
- 2013 — George B. Asquith
Martin G. Lockley
- 2014 — No Award
- 2015 — Anita Harris (For her contributions to geology and petroleum exploration through her work in conodont biostratigraphy and the development of the color alteration index (CAI).)
- 2016 — Gary Burchfeld (For flawlessly documenting AAPG and its members, volunteers, leaders, and honorees as they advance the science of geology, promote technology, and inspire high professional conduct)
- 2016 — William Aubrey Cobban (Bill Cobban was an exceptional field collector, geologist, paleontologist, biostratigrapher, mapmaker, mentor who made the biostratigraphy of the Western Interior marine Cretaceous clear and understandable)
- 2017 — Julia Gardner (Julia Anna Gardner was a remarkable and avid explorer, a brave warrior, and deeply humane human being whose expertise in multiple areas was profoundly utilized) Zhongjian Qiu (For pioneering work leading to numerous major oil and gas discoveries and outstanding leadership in petroleum exploration in China for over six decades)
- 2019 — E. Allen Merewether (for providing the stratigraphic framework for geologic and energy resources investigations of the Cretaceous in the western interior and Rocky Mountain regions)

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. Raynolds
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
- 2004 — John C. Dolson
- 2005 — John W. Hickenlooper
- 2006 — Edward C. Roy, Jr.
- 2007 — Peter T. Flawn
Lee C. Gerhard
Edward M. Warner
- 2008 — Ashton F. Embry
Douglas C. Rateliff
- 2009 — Owen R. Hopkins
- 2010 — Thomas C. Bergeon
Ahmed N. El Barkooky
William B. Harrison, III
Tako Koning
- 2011 — Mark J. Doelger
- 2012 — No Recipient
- 2013 — AlexS. Broun
Jerome J. Cuzella
Donald S. Van
Nieuwenhuise
- 2014 — John B. Curtis

- 2015 — Logan MacMillan
Timothy M. Ryan
- 2016 — Lawrence Anna
David F. Martineau
- 2017 — Friends of Dinosaur Ridge
W. Lynn Watney
- 2018 — Thomas C. Chidsey, Jr.
- 2019 — Timothy D. Elam

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 — William C. Gussow
Frank P. Sonnenberg
- 2001 — No Recipient
- 2002 — Craig Ferris
- 2003 — Rushdi Said
Robert M. Sanford
- 2004 — No Recipient
- 2005 — Philip W. Choquette
- 2006 — Frank Royse, Jr.
- 2007 — William H. Hunt
- 2008 — L. Frank Brown, Jr.
- 2009 — James D. Lowell
- 2010 — Thomas D. Barrow
- 2011 — J. Myles Bowen
John S. Wold
- 2012 — Tim T. Schowalter
- 2013 — Robert E. Fox
Paul R. Lamerson
- 2014 — Vincent Matthews III
Thomas L. Thompson
- 2015 — Ben Law
- 2016 — Lawrence A. McPeck
- 2017 — John Oty
- 2018 — Ian David Maycock
- 2019 — Janell Edman

Geosciences in the Media Award

Geosciences in the Media Award (formerly Journalism Award) is given each year to a person in recognition of notable journalistic achievement in any medium which contributes to public understanding of geology, energy resources, or the technology of oil and gas exploration. 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
 2004 — Halfdan Carstens
 Halka Chronic
 2005 — Bill Bryson
 2006 — Michael Crichton
 2007 — Michael J. Economides
 2008 — Tyler Priest
 2009 — No Recipient
 2010 — No Recipient
 2011 — Ronald C. Blakey
 Tom Zoellner
 2012 — Nick Eyles
 2013 — Kirk Johnson
 Ray Troll
 2014 — Harry Lynch
 Scott W. Tinker
 Scott D. Sampson
 2015 — Iain S. Stewart
 2016 — Ben Gadd
 Kirk Johnson Ian Miller
 2017 — Michael Collier
 2018 — Wayne Ranney
 2019 — Aaron Harber

Vlastimila (Vlasta) Dvořáková International Ambassador Service Award

*The Vlastimila (Vlasta) Dvořáková
International Ambassador Service Award*

*is given to members who have promoted
growth, awareness of AAPG
internationally, and created opportunities
for the Association to reach a wider
audience of geoscientists.*

2018 — David C. Blanchard
 Gilbert Erelumhe Odior
 2019 — Chuck Caughey

Young Professionals Exemplary Service Award

*Young Professionals Exemplary
Service Award is given to members
who have promoted growth,
awareness, and expanded
opportunities within the organization
for young professionals. The award
will help recognize the importance of
AAPG volunteers dedicating themselves
to helping inspire, retain and recruit future
geoscientists within the Association as
well as to the organization and profession
in general. Funding for the award is
provided by AAPG.*

2017 — Aisha A. Al-Bulushi
 Catherine E. Campbell
 Nick Lagrillière
 Ryan Lemiski
 2018 — Ola Adly Fakhry Mohamed
 Dwandari Ralanarko
 2019 — Olatunbosun Afolayan
 Low Wan Ching
 James Hunter Lockhart II

Wallace E. Pratt Memorial Award

*The Wallace E. Pratt Memorial Award
(formerly a category of the President's
Award) is to honor and reward the author (s)
of the best AAPG Bulletin article
published each calendar year. The cash
award is \$1500.*

1982 — Roelof J. Murris
 1983 — James K. Crouch
 1984 — William E. Galloway
 David K. Hobda
 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. Buffler

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
 Gary 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
 2004 — Donald S. Stone
 2005 — Hongliu Zeng
 Charles Kerans
 2006 — Keith W. Shanley
 Robert M. Cluff
 John W. Robinson
 2007 — Shankar Mitra
 Gerardo C. Figueroa
 Jesus H. Garcia
 Antonio M. Alvarado
 2008 — Graham R. Davies
 Langhorne B. Smith, Jr.
 2009 — Joe Cartwright
 Mads Huuse
 Andrew Aplin
 2010 — David R. Pyles
 2011 — William A. Ambrose
 Tucker F. Hentz
 Florence Bonnaffee
 Robert G. Loucks
 L. Frank Brown, Jr.
 Fred P. Wang
 Eric C. Potter
 2012 — Robert H. Lander
 Linda M. Bonnell
 2013 — Andrew C. Aplin
 Joe H. S. Macquaker
 2014 — Sonja Spasojevic
 Michael Gurnis
 2015 — Kitty L. Milliken
 Mark D. Rudnicki
 David B. Awwiller
 Tongwei Zhang
 2016 — Christopher A.-L.
 Jackson
 Daniel T. Carruthers

- Seshane N. Mahlo
Omieari Briggs
2017 — Keith Shanley
Robert M. Cluff
2018 — Benjamin Kneller
Mason Dykstra
Luke Fairweather
Juan Pablo Milano
2019 — Kurt W. Randolph
Frank J. Golding

Robert H. Dott, Sr. Memorial Award

The Robert H. Dott, Sr. Memorial Award (formerly the President's Award) is to honor and reward the author/ editor of the best Special Publication dealing with geology published by the Association. The cash award is \$500.

- 1945 — William E. Wallace
1946 — Horace G. Richards
1947 — Robert F. Walters
1948 — L. L. Sloss
W. M. Laird
1949 — Sherman A. Wengert
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. Perry
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 M. Woods
1996 — Leslie B. Magoon
Wallace G. Dow
1997 — Anthony Tankard
Ramiro Suarez 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. Threet
2004 — Alan R. Huffman
Glenn L. Bowers
2005 — Peter A. Scholle
Dana S. Ulmer-Scholle

- 2006 — G. Michael Grammer
Gregor P. Eberli
Paul M. (Mitch) Harris
2007 — Amos Salvador
2008 — P. M. (Mitch) Harris
L. J. (Jim) Weber
2009 — Tor H. Nilsen
Roger D. Shew
Gary S. Steffens
Joseph R. J. Studlick
2010 — Stephen P. Cumella
Keith W. Shanley
Wayne K. Camp
2011 — Claudio Bartolini
Juan Rogelio Roman Ramos
2012 — M. Poppelreiter
C. Garcia-Carballido
M. A. Kraaijeveld
2013 — K. McClay
J. H. Shaw
J. Suppe
2014 — John A. Breyer
2015 — Dengliang Gao
2016 — Lisa Marlow
Christopher C. G. Kendall
Lyndon A. Yose
2017 — Dana S. Ulmer-Scholle
Peter A. Scholle
Juergen Schieber
Robert J. Raine
2018 — Claudio Bartolini
Paul Mann

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 — Sebastian Galeazzi
2001 — Antony Reynolds
2002 — Lesli J. Wood
2003 — No recipient
2004 — Tobias H. D. Payenberg
2005 — No Recipient
2006 — No Recipient
2007 — No Recipient
2008 — Alejandro Escalona
2009 — David R. Pyles
2010 — David R. Pyles
2011 — David M. Dutton
Bruce D. Trudgill
2012 — Alexei V. Milkov
2013 — Peter E. K. Deveugle
Klaas Verwer
2014 — Joseph M. English
2015 — Mark R. P. Tingay
2016 — Robert J. Heller
John Vermeylen
2017 — Joseph M. English
Luke Ferreira
2018 — Jinyu Zhang
2019 — Yuanjia Han
Sylvain Bernard

SEG/AAPG Best Paper in Interpretation Journal Award

2015 — Bruce S. Hart
2016 — Dave Hale
Richard H. Groshong
2017 — Roderick Perez Altimar
Kurt J. Marfurt
2018 — Krzysztof M. (Chris) Wojcik
Irene S. Espejo
Adebukonla Kalejaiye
Otuka Umahi
2019 — Rui Zhang
Sergey Fomel

John W. Shelton Search and Discovery Award

The John W. Shelton Search and Discovery Award is given at the Annual Convention of the Association each year in

recognition of the best contribution to the "Search and Discovery" website in the past year. It is awarded for the outstanding contribution to Search and Discovery for originality of concepts and/or techniques, applicability to, and impact on, exploration for and/or development of hydrocarbon resources and/or energy-mineral resources, clarity in presentation, and quality and added value of illustrative material. The cash award is \$500.

2009 — Award established
2010 — Paul M. (Mitch) Harris
2011 — Dwight M. "Clint" Moore
Robert O. Brooks
2012 — Katherine Giles
2013 — Anne Grau
Robert H. Sterling
2014 — Neil K. Basu
Gervasio J. Barzola
Hector Bello
Paul R. Clarke
Oswaldo Vioria
2015 — Konstantin Sobornov
2016 — Ronald C. Blakey
2017 — Mike Blum
Kristy T. Milliken
John W. Snedden
William E. Galloway
2018 — Andrew Miall
2019 — Michael Grammer
Jim Karsten
Dennis R. Prezbindowski
Alejandra Santiago Torres
Benjamin Dattilo
Jonathan Havens

George C. Matson Memorial 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 — Clemont 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
2004 — Frank J. Peel
2005 — Marian J. Warren
2006 — Michael R. Hudec
2007 — Steven H. Brachman
2008 — Cathy L. Farmer
2009 — Mark Knackstedt
2010 — Barbara J. Tilley
2011 — Santinder Chopra
2012 — Lars Wensaas
2013 — Jonathan Allen
2014 — Stephen Holtkamp
2015 — Peter Hennings
2016 — Jeremy Jameson
2017 — Martin J. Kennedy
2018 — Paul G. Lillis
2019 — Ayrat Gizzatov

**George C. Matson Memorial Award Top 10
Oral Presenters at the 2018 Annual Meeting
in Salt Lake City, Utah.**

Scott Wilkins

Van Mount
Todd Butaud

Brian Lindsey
Haryanto Adiguna
Todd Fowler
Jonathon Syrek
Chelsea Fenn
Carlos Morris
Peter Gamwell
Jack Leedy
Byron McDonald

Rick Allis

Mark Gwynn

Jonathan Imber

Stuart Clarke
Stuart Egan
Susan Daniels
Richard England
Jim Henderson
Bob Holdsworth
Stuart Jones
Jack Lee
Ken McCaffrey
Julian Moore
David Selby
Stephan Stricker

David L. Kirschner

Eddie McAllister
Christine Davies
Xander Campman
Bart Duijndam
Junlun Li

Mark G. Rowan

Michael Albertson
Phil Gabbard
David K. Kosmitis

Richard Langford

Katherine Giles
Jessica A. Thompson
Mark G. Rowan

Travis Ramsay

Jie He

Rebekah Simon

Omar Khatib
David A. Budd
Markus B. Raschke

Jingqian Kang

Teunis Heyn
Jonathan Evenick
Swapan Sahoo
Gerhard Pfau
Gabriel Ritter
Benjamin Schupack

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 — Jesus 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 Bolås
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
- 2004 — Alan P. Byrnes
Martin K. Dubois
Evan K. Franseen
W. Lynn Watney
- 2005 — Mark Allen
Eric J-P. Blanc
Clare Davies
Adrian Heafford
Robert A. Scott
Stephen J. Vincent

- 2006 — Hege Marit Nordgård Bolås
Christian Hermanrud
Gunn Mari Grimsmo Teige
- 2007 — George W. Shurr
Thomas N. Haggard
Sarah A. Chadima
- 2008 — Jose I. Guzman
Rod Sloan
Shengyu Wu
Shaoqing Sun
- 2009 — Tim Dooley
Michael Hudec
Martin Jackson
- 2010 — Nikki Hemmesch
Nicholas B. Harris
- 2011 — Eddy Lee
R. Craig Shipp
Willem Hack
J. Larry Gibson
Fa Dawn
- 2012 — Roger M. Slatt
Younane Abousleiman
- 2013 — Simon Campbell
Stanislaw Mazur
Nicola Henshaw
Ahmed Salem
Adriano Sebastiao
Jane Saweka
Artur Oliveira
- 2014 — Satinder Chopra
Ritesh Sharma
- 2015 — Rosanne McKernan
Julian Mecklenburgh
Ernest Rutter
Kevin Taylor
Stephen J. Covey-Crump
- 2016 — Xuejun Wang
Lirong Dou
Yuguang Zhao
Demin Mao
Qunwei Zhang
Xiaodong Wei
- 2017 — Jenna M. DiMarzio
Svetoslav V. Georgiev
Holly Stein
Judith Hannah
- 2018 — Katie-Joe McDonough
Kenneth McDermott
Elisabeth Gillbard
Kyle Reuber
Jim Pindell
Brian W. Horn
- 2019 — Toti Larson
Benjamin P. Smith
Nicholas P. Ettinger

Jules Braunstein Memorial Award Top Poster Presentations at the 2018 Annual Meeting in Salt Lake City, Utah

Peter J. Webb
David Sagi
Kerri Wilson
Sam Cheyney
David Tierney

Tim Cullen
Richard Collier
Rob Gawthorpe

Kenneth E. Peters
Paul G. Lillis
Thomas D. Lorenson
John E. Zumberge

Nathan LaFontaine
Michael Hofmann
Tuan T. Le
Todd Hoffman

Aurelien G. Meyer
Lars Stemmerik
Peter Frykman

Malcolm E. Allan

Jefferson Nwoko
Mads Huuse
Ian Kane

Ryan Mustacato
Tracy D. Frank

Ronald N. McGinnis
David A. Ferrill
Gary R. Walter
Steve Johnson
Mary K. Todt

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. Nowacxewski**
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

2002 — **Albert S. Wylie, Jr.**
2003 — **Langhorne B. (Taury) Smith**
Richard Nyahay
2004 — **Langhorne B. (Taury) Smith**
Richard Nyahay
2005 — **J. Fred Read**
2006 — **Frank R. Ettensohn**
2007 — **Frank R. Ettensohn**
2008 — **Langhorne B. (Taury) Smith**
2009 — **Stephen T. Whitaker**
Bruce Schonert
Jon Brenizer
Bryan Clayton
2010 — **Christopher D. Laughrey**
Herman Lemmens
Tim Ruble

Alan R. Butcher
Greg Walker
Jaime Kostelnik
Wayne Knowles
2011 — **Anne Oudinot**
Karine Schepers
Nino Ripepi
2013 — **Hannes Leetaru**
Robert J. Finley
2014 — **Joseph P. Fagan, Jr.**
2015 — **Thomas M. (Marty) Parris**
2016 — **David R. Blood**
2017 — **Thomas (Marty) Parris**
Paul Hackley
Steve Greb
Cortland Eble
2018 — **Patrick Rutty**
2019 — **James M. McDonald**

Gulf Coast Section

1966 — **B. J. Sloane, Jr.**
1967 — **Hunter Yarborough, Jr.**
1968 — **John D. Myers**
1969 — **James K. Rogers**
1970 — **John J. Amoroso**
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**

2002 — **Steven T. Knapp**

2003 — **William A. Ambrose**
Juan Alvarado
Mario Aranda
L. F. Brown, Jr.
J. C. Flores
Khaled Fouad
Edgar Guevara
Ulises Hernandez
David C. Jennette
Gerardo Lopez
Eduardo Macias
Shinichi Sakurai
F. Sanchez
Daniel Velez
Tim Wawrzyniec

2004 — **Roger A. Young**
Robert D. LoPiccolo

2005 — No Recipient

2006 — **Mary L. Barrett**
John P. Goodson, Jr.

2007 — **Angela McDonnell**
Mike Hudec
Martin P. A. Jackson

2009 — **John B. Wagner**

2010 — **Robert Loucks**
Robert Reed
Stephen Ruppel
Ursula Hammes

2011 — No Recipient (meeting canceled)

2012 — **Michael R. Hudec**

2013 — **Jonathan P. Parker**
Claudia Montoya
Richard Uden
Oleg Yakovlev
Michael Murat

2014 — **John Snedden**
Ian O. Norton
Gail L. Christeson
Jason C. Sanford

2015 — **Elizabeth A. Watkins**
Julio Tamashiro
Nicholas Martin
Eldar Guliyev
Renato Leite
Nhom (Vince) Nguyen
Abayomi Aina
Mauro R. Becker
Marcelo Cristian Torrez
Canaviri

2016 — **Duncan Bate**
Cian O'Reilly
James Keay

Alex Fick
Alex Birch Hawkins
Dario Chisari
Jason Kegel
Brad Torry

2018 — **Arish Kumar**
Josselin Kherroubi
Florent Bringer
George Richard Kear
Robert Laronga
Juan Herrera

2019 — **James J. Willis**
Duncan S. McIntosh Jr.
Jesse W. Zwennes
Gregory J. Ferguson
James Pasley
Garrett M. Goettel

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

2003 — **Allen K. Chamberlain**

2005 — **Raymond P. Sorenson**

2007 — **Timothy R. Carr**
D. F. Merriam

2009 — **Shane Matson**

2011 — **Shane E. Matson**
Charles W. Wickstrom
Gregory B. Flournoy
Steve W. Tilley

2013 — **S. J. Mazzullo**
Brian W. Wilhite

2015 — **Buddy Price**

2017 — **Kirk Rottmann**
J. P. Dick

2019 — **Jenny Meng**
Yevhen Holubnyak

Jennifer Hollenbach
Francsizek Hasiuk

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. Ponck**
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**
2002 — **H. W. Swan**
2003 — **Morgan D. Sullivan**
2004 — **Michael S. Clarke**
Dale Julander
Tom Zalan
2005 — **Jacob A. Covault**
Stephen A. Graham
William R. Normack
2006 — No Recipient
2007 — No Recipient
2008 — **Scott T. Hector**
Mike Johns
Brian Cunningham
2009 — **Timothy R. McHargue**
Julian Clark
Andrea Fildani
Marjorie Levy
Brian Romans
Jacob Covault
Morgan Sullivan
Michael Pyrcz
Henry Posamentier
2010 — **Grant Garven**
Byeongju Jung
James R. Boles
2011 — **David W. Houseknecht**
Ken J. Bird
2012 — No Recipient
2013 — **Todd J. Green**
2014 — **Michael D. Henschel**
Benjamin Deschamps
Shinya Sato Gillian Robert
2015 — **Daniel E. Schwartz**
2016 — **Gregory Gordon**
Stuart Gordon
2017 — **Paul G. Lillis**
Michael D. Lewan
Richard G. Stanley
David L. LePain
Marwan A. Warles
2018 — **Yannick Wirtz**
Richard J. Behl
2019 — **Lisa Alpert**
Thorsten Becker
Meghan S. Miller
Amir Allam

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**
1994 — No Recipient
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
2001 — No Recipient
2002 — **David R. Pyles**
2003 — No Recipient
2004 — **Robert A. Lamarre**
Stephen K. Ruhl
2005 — **Glenn Ulrich**
Roland De Bruyn
Mark Finkelstein
2006 — **Geoff D. Thyne**
2007 — **Vincent G. Rigatti**
Tony LeFevre
Richard Newhort
Kimberly Kaiser
Scott Goodwin
Robert Parney
2008 — **Rex D. Cole**
Matthew J. Pranter
2009 — **No Recipient**
2010 — **Charles E. Bartberger**
Ira Pasternack
2011 — **John C. Lorenz**
Scott P. Cooper
2012 — **Timothy Nesheim**
Stephan Nordeng

2013 — **Robert L. Baskin**
2014 — **Mark A. Millard**
2015 — No Recipient
2016 — **Catherine Campbell**
Mark Toby
2017 — **Christopher R. Fielding**
Andrew J. Hutsky
Jesse T. Korus
2019 — **Jeffrey W. Bader**

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**
2002 — **Ron F. Broadhead**
2003 — **Russel K. Davies**
Jimmy D. Thomas
2004 — **Eugene Rankey**

2005 — **Daniel M. Jarvie**
 Ronald J. Hill
 Richard M. Pollastro

2006 — **Robert G. Loucks**
 Stephen C. Ruppel

2007 — **Alton A. Brown**

2008 — **Rick Turner**

2009 — **Lyn Canter**

2010 — **Martin Selznick**

2011 — **Paul H. Pause**

2012 — **Joel D. Walls**
 Brian Driskill
 Steven W. Sinclair

2013 — **Thomas Ewing**

2014 — **Timothy R. McGinley**

2015 — **William A. Ambrose**
 Tucker H. Hentz
 Logan Tussey

2016 — **Glenn Winters**

2017 — **Robert C. Trentham**

2018 — **Jens-Erik Lund Snee**
 Mark D. Zoback

2019 — **Travis Moreland**

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

2002 — Robert F. Marten
 James A. Keggin

2003 — Roy C. Davies
 Ron Boyd
 John Howell

2004 — Jose Alejandro Luquez

2005 — Marek Kacewicz

2006 — Dale A. Leckie

2007 — No Conference

2008 — Charles Kerans

2009 — Pedro V. Zalan
 Maria do Carmo G. Severino
 Joao Alberto B. Oliveira
 Luciano P. Magnavita
 Webster U. Mohriak
 Rogerio C. Gontijo
 Adriano R. Viana
 Peter Szatmari

2010 — Jennifer Scott
 John Guthrie
 Steve Crews
 Graeme Gordon
 Benn Hansen
 Niall McCormack
 Dean Griffin
 Laura Lawton
 Rod Graham
 Tim Grow
 Andy Pepper
 Caroline Burke

2011 — Jonny Hesthammer

2012 — John Tinnen

2013 — Irene Arango

2014 — Zamir Bega

2015 — Charlie Smith

2016 — Thomas Murphy

2017 — Nigel P. Mountney
 Luca Colombero
 Ni Yan
 Bill McCaffrey

2018 — Christopher Asuquo Jackson
 Michael N. Oti
 Ayonma Wilfred Mode
 Peter Laurence Osterloff
 S. George Pemberton

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 Stafleu

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 — R mi Eschard
 Olivier Lerat
 Didier Granjeon
 Brigitte Doligez
 Guy Desaubliaux
 Fran ois Lafont

1998 — Stanley T. Paxton
 Gary C. Stone
 Barbara L. Faulkner

1999 — Joseph M. Finneran
 Yatindranath Keith Bally

2000 — Richard Hillis

2001 — No Recipient

2002 — Philip D. Heppard
 Daniel Ebrom
 Michael Mueller

Leon Thomsen
 Toby Harrold

2003 — Tore M. Loseth
 Ole J. Martinsen
 Jan C. Rivenaes
 Kristian Soegaard
 John Thurmond

2004 — Richard H. Fillon
 Harry H. Roberts

2005 — Denis Marchal
 Jean-Marc Daniel
 Misael Alvear

2006 — Jonny Wu
 Ken McClay
 Paul Whitehouse

2008 — George Pemberton
 Murrays Gingras
 James MacEachern

2009 — Paul Markwick
 Mohamed Raddadi
 Lauren Raynham
 Steve Tomlinson
 Emma Edgecombe
 Dennis Rowland
 Robert Bailiff
 Amanda Galsworthy
 Neil Wrobel

2010 — Kathryn Hoffmeister
 Diane Kamola

2011 — Stan Abele
 Rocky Roden

2012 — BodoKatz
 David Sibley
 Adam J. Vork

2013 — Jamie O. Castillo
 Victor Castro
 Alfredo Ramirez
 Carlos Mora
 Johana Paola Blanco Martinez
 Claudia Ceballos

2014 — Grant Ellis

2015 — Angela G. Griffin
 Kyle J. Bland
 Brad Field
 Dominic P. Strogen
 Gareth Crutchley
 Mark J. Lawrence
 Richard Kellett

2016 — Daniel Emiliano Bola os
 Rodr guez
 Manuel Cruz-Castillo
 Adriana Acosta-Angeles

2017 — Anastasia Polymeni
 John Underhill
 Rachel Jamieson

2018 — Given Skosana

AAPG House of Delegates Awards

Honorary Member of the House

David G. Campbell
 Jim McGray

Distinguished Member of the House

Larry C. Knauer
Edward Beauregard Picou Jr.
Robert C. Shoup

Recognition of Service Award

William Houston
Maren Blair

Delegates Receiving the 15-Year Certificate of Service HoD

Stephen D. Levine
Bonnie L. Milne-Andrews
Terence G. O'Hare
John T. Williams

Delegates Receiving the Nine-Year Certificate of Service HoD

William Paul Bosworth
David Ernest Brown
David Richard Cook
Douglas Vincent Davis Jr.
Craig M. Dinger
Joseph Patrick Dugan Jr.
Mark J. Gallagher
Tarek Yousuf Ghazi
Gretchen M. Gillis
Travis A. Helms
Steven G. Kirkwood
Rafal Kudrewicz
Isabelle Le Nir
Robert E. Pledger
Michael A. Raines
Morten Rye-Larsen
Grant D. Wach

Foundation Weeks Medal Award

The L Austin Weeks Memorial Medal is given in recognition for extraordinary philanthropy and service directed to advance the mission of the AAPG Foundation. The Foundation award honors the late L. Austin Weeks, whose philanthropic legacy set an exemplary standard.

2008 — Marta S. Weeks
2009 — Boone Pickens
2010 — Lawrence W. Funkhouser
2011 — Jack C. Threet
2012 — William J. Barrett
2013 — Robert Gunn
2014 — James A. Hartman
2015 — David W. Worthington
2016 — William E. Gipson
2017 — Paul Strunk
2018 — John Amoroso
2019 — John F. Bookout Jr.

Foundation Chairman's Award

The AAPG Foundation Chairman's Award is given to recognize persons

who have made extraordinary contributions (monetary or service) to the AAPG Foundation, and also to call attention to the role and value of the Foundation.

1999 — Michel T. Halbouty
2000 — L. Austin Weeks
2001 — James E. Wilson
2002 — Merrill W. Haas
2003 — Hugh Looney
2004 — Lawrence W. Funkhouser
2005 — Fred A. Dix, Jr.
2006 — Robert W. Esser
2007 — Eugene F. Reid
2008 — Jack C. Threet
2009 — John W. Shelton
2010 — David Scott Holland
2011 — William E. Crain
2012 — Herbert G. Davis
2013 — Richard Baile
2014 — Charles Weiner
2015 — William L. Fisher
2016 — Donald A. O'Nesky
2017 — Frank Harrison, Jr.
2018 — Paul H. Dudley
2019 — John Silcox

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 submitted 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 \$3,000 for the teacher's use in the classroom, and the teacher also receives \$3,000 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
2002 — Kevin Leineweber
2003 — Amy J. John
2004 — Michael Fillipow
2005 — Marilyn Bachman
2006 — James G. Schulz
2007 — Ryan Henry
2008 — Mary Fitts
2009 — Ty Robinson
2010 — L. Stef Paramoure
2011 — Sharon Milito
2012 — Jonna Gentry

2013 — Chris Bolhuis
2014 — Heather McArdle
2015 — Jacqueline Bath
2016 — Karen Waterbury
2017 — Julie Mitchell
2018 — Deborah Morgan
2019 — Laura Branch

Inspirational Geoscience Educator Award

The Inspirational Geoscience Educator Award is given annually to a college or university professor who has demonstrated outstanding leadership in the field of geoscience education. The award is intended to encourage geoscience professors to stay current on industry trends and cutting edge technology to share with their undergraduate and graduate students, further enhancing the field of geoscience research.

2017 — Hendratta Ali
2018 — Lauren Birgenheier
2019 — Brett Carpenter

AAPG Division of Professional Affairs

Life Membership

Deborah Sacrey

Heritage Award

David Wavrek

Distinguished Service Award

Tim Rynott

Recognition of Distinction

Mark Norville
Jonathan Brady

DPA Past President's Award

Cheryl Desforges

Certificate of Merit

Thomas Wyche
Jason Hamilton

AAPG Energy Minerals Division (EMD)

Honorary Membership

Frank Walles

Distinguished Service Award

Sam Limerick

EMD Past President's Award

Doug Wyatt

Certificate of Merit

Steven Schamel
Ursula Hammes

**Frank Kottlowski Memorial Award
(Best Paper ACE 2018)**

T. Fender
C. Van Der Land
M. Rouainia
T. Wagner

**President's Certificate for Excellence
in Presentation (Oral Presentation
ACE 2018)**

C. Ross

**Lloyd Carlson Memorial Award (Best
Poster ACE 2018)**

S. Paxton
J. Birdwell
L. Burke
R. Dubiel
N. Gianoutsos
S. Kinney
J. Pitman
O. Pearson
K. Whidden

**President's Certificate for
Excellence in Presentation (Poster
Presentation ACE 2018)**

G. Hickman
M. Pranter
Z. Reza
A. Cullen

**AAPG Division of
Environmental
Geosciences
(DEG)****Best Poster (ACE 2018)**

R. Sabbagh

Teaching Award

J. Ali Kalhoro

Best Paper (ACE 2018)

A. Hollenbach

Research Award

J. Blotevogel

**Corporate Award for
Excellence in Environmental
Stewardship**

Apache Corporation (Houston)

Past President Award

Stephen M. Testa

**AAPG Petroleum
Structure and
Geomechanics Division
(PSGD) Best Papers 2017****Best Seminal Publication**

T. P. Harding and J. D. Lowell, 1979, Structural styles, their plate-tectonic habitats, and hydrocarbon traps in petroleum provinces, AAPG Bulletin, v. 63, p. 1016–1058.

Best Recent Publication

R. Marrett, J. F. W. Gale, L. Gomez and S. E. Laubach, 2018, Correlation analysis of fracture arrangement in space, Journal of Structural Geology, v.108, p. 16–33.

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*
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. Hilseweck*	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*

*Deceased

Term	President	Vice President	President-Elect	Secretary
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
2003-04	Stephen A. Sonnenberg	Erik P. Mason*	Patrick J. F. Gratton	Robert L. Countryman
2004-05	Patrick J. F. Gratton	Neil F. Hurley	Peter R. Rose	Robert L. Countryman
2005-06	Peter R. Rose	Steven L. Veal	Lee T. Billingsley	J. Michael Party
2006-07	Lee T. Billingsley	John C. Dolson	Willard R. Green	J. Michael Party

Term	President	Sections Vice President	Regions Vice President	President-Elect
2007-08	Willard "Will" R. Green	John M. Armentrout	John R. Hogg	Scott W. Tinker
2008-09	Scott W. Tinker	W. C. "Rusty" Riese	John R. Hogg	John C. Lorenz
2009-10	John C. Lorenz	W. C. "Rusty" Riese	Alfred E. Guzmán	David G. Rensink
2010-11	David G. Rensink	Marvin D. Brittenham	Alfred E. Guzmán	Paul Weimer
2011-12	Paul Weimer	Marvin D. Brittenham	Stuart D. Harker	Edward A. Beaumont
2012-13	Edward A. Beaumont	Thomas E. Ewing	Stuart D. Harker	Lee Krystinik
2013-14	Lee Krystinik	Thomas E. Ewing	John Kaldi	Randi Martinsen
2014-15	Randi Martinsen	Steve Brachman	John Kaldi	John Hogg
2015-16	John R. Hogg	Steve Brachman	Peter M. Lloyd	Paul W. Britt
2016-17	Paul W. Britt	Daniel E. Schwartz	Peter M. Lloyd	Charles Sternbach
2017-18	Charles Sternbach	Daniel E. Schwartz	David R. Cook	Denise Cox
2018-19	Denise Cox	Jeffrey Aldrich	David R. Cook	J. Michael Party

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*
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*

*Deceased

Term	Treasurer	Editor	Chairman, House of Delegates
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
2003–04	Paul Weimer	John C. Lorenz	George Eynon
2004–05	Dwight “Clint” Moore*	Ernest A. Mancini	Valary L. Schulz
2005–06	Dwight “Clint” Moore	Ernest A. Mancini	Don D. Clarke
2006–07	Randi S. Martinsen	Ernest A. Mancini	Larry L. Jones

Term	Secretary	Treasurer	Editor	Chairman, House of Delegates
2007–08	Edward “Ted” A. Beaumont	Randi S. Martinsen	Gretchen M. Gillis	Martin D. Hewitt
2008–09	Edward “Ted” A. Beaumont	Kay L. Pitts	Gretchen M. Gillis	George R. Bole
2009–10	William S. Houston	Kay L. Pitts	Gretchen M. Gillis	Stephen A. Sonnenberg
2010–11	William S. Houston	James S. McGay	Stephen E. Laubach	David H. Hawk
2011–12	Denise M. Cox	James S. McGay	Stephen E. Laubach	Jeffrey W. Lund
2012–13	Denise M. Cox	Deborah K. Sacrey	Stephen E. Laubach	R. Randy Ray*
2013–14	Richard W. Ball	Deborah K. Sacrey	Michael Sweet	Lawrence H. Wickstrom
2014–15	Richard W. Ball	Jim Tucker	Michael Sweet	David A. Dolph
2015–16	Heather L. Lareau	Jim Tucker	Michael Sweet	Robert C. Sho up
2016–17	Heather L. Lareau	Martin Hewitt	Barry Katz	Jim McGay
2017–18	Laura Johnson	Martin Hewitt	Barry Katz	David Entzminger
2018–19	Laura Johnson	Richard BALL	Barry Katz	Bill Houston

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*
2001–01	Ronald L. Grubbs	Brian J. Cardott	Andrew R. Scott	Alexander R. Papp	Michael A. Wiley

*Deceased

Term	President	Vice President	President-Elect	Secretary	Treasurer
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
2003-04	Chacko J. John	Peter D. Warwick	Brian J. Cardott	Elizabeth B. Campen	Michael A. Wiley
2004-05	Brian J. Cardott	Elizabeth B. Campen	Peter Warwick	Samuel H. Limerick	Michael A. Wiley
2005-06	Peter Warwick	Creties Jenkins	William A. Ambrose	Samuel H. Limerick	K. David Newell
2006-07	William A. Ambrose	Jack C. Pashin	Douglas G. Patchen	Elizabeth B. Campen	K. David Newell
2007-08	Douglas G. Patchen	Larry M. Knox	Creties Jenkins	Elizabeth B. Campen	Neil S. Fishman
2008-09	Creties D. Jenkins	Andrea A. Reynolds	Frank E. Wallis	Amy E. Sullivan	Neil S. Fishman
2009-10	Frank E. Wallis	Fran Hein	Michael D. Campbell	Amy E. Sullivan	Kent A. Bowker
2010-11	Michael D. Campbell	Genevieve B. Young	Stephen M. Testa	Frances J. Hein	Kent A. Bowker
2011-12	Stephen M. Testa	Dale A. Fritz	Andrea Reynolds	Frances J. Hein	David E. Tabet
2012-13	Andrea Reynolds	Robert A. Trevail	Jeremy Boak	Bruce Handley	David E. Tabet
2013-14	Jeremy Boak	James G. Clough	Frances J. Hein	Bruce Handley	Charles Morris Boyer II
2014-15	Frances J. Hein	Anne C. Draucker	Robert A. Trevail	Bruce T. Mitchell	Charles Morris Boyer II
2015-16	Robert A. Trevail	Paul C. Hackley	Anne C. Draucker	Bruce T. Mitchell	Steven Schamel
2016-17	Anne C. Draucker	Wayne K. Camp	Douglas E. Wyatt	Becky L. Kowalski	Steven Schamel

Term	President	Vice President	President-Elect	Secretary-Treasurer
2017-18	Douglas S. Wyatt	Miguel Nicho-Pacheco, Sr.	Wayne E. Camp	Becky L. Kowalski
2018-19	Wayne C. Camp	Robert Coskey	Edith Wilson	David Barnes

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 H. Trowbridge
1977-78	Lee H. Meltzer	Frank L. Constant	Arthur H. 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 R. 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	Robert C. Shoup	Deborah K. Sacrey	Dan J. Tearpock*	Royce P. Carr
2003-04	Robert C. Shoup	Rick L. Ericksen	J. Michael Party	Casey F. Clawson	Dan J. Tearpock	Tom Mairs
2004-05	J. Michael Party	Dan J. Tearpock	Deborah K. Sacrey	Casey F. Clawson	Jeffery C. Greenawalt	Robert C. Shoup
2005-06	Deborah K. Sacrey	Debra Rutan	Richard G. Green	Craig W. Reynolds	Jeffery C. Greenawalt	J. Michael Party
2006-07	Richard G. Green	Suzanne Cluff	Thomas E. Ewing	Craig W. Reynolds	Michael R. Canich, Jr.	Deborah K. Sacrey
2007-08	Thomas E. Ewing	Valary L. Schulz	Rick L. Ericksen	Debra Rutan	Michael R. Canich, Jr.	Richard G. Green
2008-09	Rick L. Ericksen	Daniel M. Reynolds	Paul W. Britt	Debra Rutan	Michael A. Fogarty	Thomas E. Ewing

*Deceased

Term	President	Vice President	President-Elect	Secretary	Treasurer	Past President
2009–10	Paul W. Britt	Michael Canich	Daniel J. Tearpock*	Paul H. Pausé	Michael A. Fogarty	Rick L. Ericksen
2010–11	Daniel J. Tearpock*	William T. Goff	Martin D. Hewitt	Paul H. Pausé	Daniel A. Billman	Paul Britt
2011–12	Martin D. Hewitt	Richard L. Nagy	Charles A. Sternbach	Mark J. Gallagher	Daniel A. Billman	Daniel J. Tearpock
2012–13	Charles A. Sternbach	Paul H. Pausé	Valary L. Schulz	Mark J. Gallagher	Debra P. Osborne	Martin D. Hewitt
2013–14	Valary L. Schulz	Mark J. Gallagher	Richard D. Fritz	Terence G. O'Hare	Debra P. Osborne	Charles A. Sternbach
2014–15	Richard D. Fritz	Gregory F. Hebertson	Michael R. Canich	Terence G. O'Hare	Connie L. Mongold	Valary L. Schulz
2015–16	Michael Canich	David Entzminger	Chandler Wilhelm	Debra P. Osborne	Connie Mongold	Richard D. Fritz
2016–17	Chandler Wilhelm	William Haskett	James H. Hill, Sr.	Debra P. Osborne	Steven M. Goolsby	Michael Canich
2017–18	James H. Hill, Sr.	Andrea Reynolds	Mark J. Gallagher	Margaret Williams	Steven M. Goolsby	Chandler Wilhelm
2018–19	Mark J. Gallagher	Meredith Faber	John Jordan	Margaret Williams	Douglas Davis	James H. Hill, Sr.

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. Rollins	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
2003–04	Rima Petrossian	Kenneth G. Johnson	Kenneth D. Vogel	Mary L. Barrett	Gerald R. Baum
2004–05	Kenneth D. Vogel	Charles Chris Steincamp	Steven P. Tischer	Mary L. Barrett	Gerald R. Baum
2005–06	Steven P. Tischer	Craig Dinger	Jane S. McColloch	Nancy S. Dorsey	Gerald R. Baum
2006–07	Jane S. McColloch	Michael A. Jacobs	Charles G. Groat	Nancy S. Dorsey	Gerald R. Baum
2007–08	Charles G. Groat	Hannes E. Leetaru	Rebecca Dodge	Nancy J. Fix	Gerald R. Baum
2008–09	Rebecca Dodge	Mary K. Harris	Michael A. Jacobs	N. J. (Anne) Fix	James W. Castle
2009–10	Michael A. Jacobs	Jeffrey G. Paine	Mary K. Harris	Douglas Carlson	James W. Castle
2010–11	Mary K. Harris	Robert Marie	Douglas C. Peters	Douglas Carlson	Kristin Carter
2011–12	Douglas C. Peters	Nancy J. (Anne) Fix	Tom J. Temples	M. Jane Ellis-McNaboe	Kristin Carter
2012–13	Tom J. Temples	Michael S. Hagan	Douglas E. Wyatt, Jr.	M. Jane Ellis-McNaboe	Kristin Carter
2013–14	Douglas Wyatt, Jr.	M. Jane Ellis-McNaboe	Jeffrey G. Paine	Steven P. Tischer	Kristen Carter
2014–15	Jeffrey G. Paine	Dirk A. Nieuwland	Jeffrey B. Aldrich	Steven P. Tischer	Kristen Carter
2015–16	Jeffrey B. Aldrich	Bruce D. Smith	Tim Murin	Sean Kimiagar	Michele L. Cooney
2016–17	Tim Murin	Kristin Carter	Stephen Testa	Sean Kimiagar	Michele L. Cooney
2017–18	Stephen Testa	Mark D. Lovell	Mary L. Barrett	Skyler Smith	Michele L. Cooney
2018–19	Mary L. Barrett	Dan W. Jackson	Francois C. Marechal	Skyler Smith	Olga H. Popova

*Deceased

Annual Convention Locations and General Chairmen

Year	City	General Chairman	Year	City	General Chairman
1916	Norman, Oklahoma	Charles H. Taylor	1968	Oklahoma City, Oklahoma	Edwin P. Kerr, Jr.
1917	Tulsa, Oklahoma	F. R. Rees	1969	Dallas, Texas	William J. Hilseweck
1918	Oklahoma City, Oklahoma	–	1970	Calgary, Canada	John M. Browning
1919	Dallas, Texas	–	1971	Houston, Texas	Edd R. Turner, Jr.
1920	Dallas, Texas	–	1972	Denver, Colorado	Robert J. Weimer
1921	Tulsa, Oklahoma	M. M. Valerius	1973	Anaheim, California	Arthur R. Weller
1922	Oklahoma City, Oklahoma	–	1974	San Antonio, Texas	M. O. Turner
1923	Shreveport, Louisiana	Ben K. Stroud	1975	Dallas, Texas	Robert J. Cordell
1924	Houston, Texas	Alexander Deussen	1976	New Orleans, Louisiana	M. Gordon Frey
1925	Wichita, Kansas	Marvin Lee	1977	Washington, D.C.	Richard F. Meyer
1926	Dallas, Texas	R. B. Whitehead	1978	Oklahoma City, Oklahoma	Lee R. Riley
1927	Tulsa, Oklahoma	M. M. Valerius	1979	Houston, Texas	Anthony Reso
1928	San Francisco, California	E. G. Gaylord	1980	Denver, Colorado	John P. Lockridge
1929	Fort Worth, Texas	J. Elmer Thomas	1981	San Francisco, California	Donald L. Ziegler
1930	New Orleans, Louisiana	W. W. Grimm	1982	Calgary, Canada	James MacDonald
1931	San Antonio, Texas	D. R. Semmes	1983	Dallas, Texas	Lewis S. (Stan) Pittman
1932	Oklahoma City, Oklahoma	Irving Perrine	1984	San Antonio, Texas	Edward C. Roy, Jr.
1933	Houston, Texas	Alexander Deussen	1985	New Orleans, Louisiana	George D. Severson
1934	Dallas, Texas	Clyde M. Bennett	1986	Atlanta, Georgia	Howard R. Cramer
1935	Wichita, Kansas	E. C. Moncrief	1987	Los Angeles, California	Eugene F. (Bud) Reid
1936	Tulsa, Oklahoma	Frank Rinker Clark	1988	Houston, Texas	Richard S. Bishop
1937	Los Angeles, California	Frank A. Morgan	1989	San Antonio, Texas	Don F. Tobin
1938	New Orleans, Louisiana	R. A. Steinmayer	1990	San Francisco, California	James R. Baroffio
1939	Oklahoma City, Oklahoma	R. W. Laughlin	1991	Dallas, Texas	Charles F. Dodge
1940	Chicago, Illinois	Verner Jones	1992	Calgary, Canada	George Eynon
1941	Houston, Texas	Alexander Deussen	1993	New Orleans, Louisiana	Bob Sabate
1942	Denver, Colorado	C. E. Dobbin	1994	Denver, Colorado	Robbie R. Gries
1943	Fort Worth, Texas	Karl A. Mygdal	1995	Houston, Texas	James O. Lewis, Jr.
1944	Dallas, Texas	Joseph M. Wilson	1996	San Diego, California	John A. Minch
1945	Tulsa, Oklahoma	Business meeting only held	1997	Dallas, Texas	Tom Mairs
1946	Chicago, Illinois	Theron Wasson	1998	Salt Lake City, Utah	M. Lee Allison
1947	Los Angeles, California	Harold W. Hoots	1999	San Antonio, Texas	Edward C. Roy, Jr.
1948	Denver, Colorado	Thomas S. Harrison	2000	New Orleans, Louisiana	Eric P. Mason
1949	St. Louis, Missouri	W. B. Wilson	2001	Denver, Colorado	Stephen A. Sonnenberg
1950	Chicago, Illinois	Lynn K. Lee	2002	Houston, Texas	Jeffrey W. Lund
1951	St. Louis, Missouri	Walter H. Spears	2003	Salt Lake City, Utah	Thomas C. Chidsey, Jr.
1952	Los Angeles, California	Howard C. Pyle	2004	Dallas, Texas	Terence G. O'Hare
1953	Houston, Texas	Carleton D. Speed, Jr.	2005	Calgary, Canada	John Hogg
1954	St. Louis, Missouri	Graham B. Moody	2006	Houston, Texas	Charles A. Sternbach
1955	New York, New York	G. Moses Knebel	2007	Long Beach, California	Dalton F. Lockman
1956	Chicago, Illinois	Morris M. Leighton	2008	San Antonio	Gene Ames III
1957	St. Louis, Missouri	Harold T. Morley	2009	Denver, Colorado	R. Randy Ray
1958	Los Angeles, California	Leo R. Newfarmer	2010	New Orleans, Louisiana	Tom Hudson
1959	Dallas, Texas	W. Dow Hamm	2011	Houston, Texas	Stephen Levine
1960	Atlantic City, New Jersey	Harry S. Ladd	2012	Long Beach, California	Kay Pitts
1961	Denver, Colorado	Laurence Brundall	2013	Pittsburgh, Pennsylvania	Michael Canich
1962	San Francisco, California	Gordon B. Oakeshott	2014	Houston, Texas	Steve Brachman
1963	Houston, Texas	William A. Thomas	2015	Denver, Colorado	John W. Robinson
1964	Toronto, Canada	William A. Roliff	2016	Calgary, Canada	Paul MacKay
1965	New Orleans, Louisiana	Gordon I. Atwater	2017	Houston, Texas	Dave Rensink
1966	St. Louis, Missouri	Clarence E. Brehm	2018	Salt Lake City, Utah	Michael Vanden Berg
1967	Los Angeles, California	John E. Kilkenny	2019	San Antonio, Texas	Lorena Moscardelli Edward Valek

International Conference Locations and General Chairmen

Year	City	General Chairman	Year	City	General Chairman
1984	Geneva, Switzerland	P.W.J. Wood	2003	Barcelona, Spain	Jorge Ferrer Modolell
1988	Nice, France	James A. Helwig	2004	Cancun, Mexico	Alfredo E. Guzman
1991	London, England	A. J. Martin	2005	Paris, France	Jean-Marie Masset
1992	Sydney, Australia	Murray H. Johnstone	2006	Perth, Australia	Agu Kantsler
1993	Caracas, Venezuela	Juan Chacin	2007	Athens, Greece	Geir Lunde (Joint Regional)
	The Hague Netherlands	Roelof J. Murris	2008	Cape Town, South Africa	Sipho Mkhize
1994	Kuala Lumpur, Malaysia	Khalid Ngah	2009	Rio de Janeiro, Brazil	Heraldo Lima
1995	Nice, France	Lucien Montadert	2010	Calgary, Canada	John Hogg
1996	Caracas, Venezuela	Jose P. Dominguez			David Dolph
1997	Vienna, Austria	Walter P. Grun	2011	Milan, Italy	Jonathan Craig
1998	Rio de Janeiro, Brazil	Joel Mendes Renno	2012	Singapore	Richard Lorentz
1999	Birmingham, England	R. F. P. Hardman	2013	Cartagena de Indias, Colombia	Victor Vega
2000	Bali, Indonesia	Gatot K. Wiroyudo	2014	Istanbul, Turkey	Volkan S. Ediger
2002	Cairo, Egypt	Mostafa El Ayouty	2015	Melbourne, Australia	Philip Loader
			2016	Cancun, Mexico	Jose A. Escalera Alcocer
			2017	London, England	Gabor Tari
					Ken McClay
			2018	Cape Town, South Africa	Femi Esan
			2019	Buenos Aires, Argentina	Carlos Colo

2019 Fifty-Year Members

List is not comprehensive. It includes only those who attained 50-year membership in 2019.

Michael Ala
 Stephen H. Allen
 David Harold Anspach
 Andre Louis Boutte
 Ernest Burroughs
 John Bennett Byrnes
 Claude P. Carrel
 Charles A. Caughey
 Richard L. Chambers
 Michael N. Chernoff
 Timothy Aureal Cross
 William Karley Dahleen

Stephen Bowes Evans
 Thomas Dee Fouch
 Harry J. Graff
 Kurt P. Grasmueck
 Alfredo Eduardo Guzman
 D. A. Hartman
 Nancy Ramsey Hasenmueller
 David Harold Hawk
 James Henry Henderson
 Thomas C. Klekamp
 Naresh Kumar
 William Chaffee Lefler Jr.
 Leroy Louis Manka
 John B. McNeely
 William D. Moore
 John Lee Moran

John Hartnell Newcomb
 Robert Charles Pace
 Max A. Perkins
 Clive Anthony Randle
 Wendel Reiser
 Stephen C. Ruppel
 Robert Thomas Ryder
 Eldon J. Schierling
 LeRoy (Lee) William Smith
 Thomas W. Swinehart
 David Michael Weinberg
 William Martin Whiting
 Larry D. Woodfork

AAPG Constitution and Bylaws

Constitution

As amended June 25, 2006

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 seven (7) elected officers, an Executive Committee, a House of Delegates, and an Advisory Council. The composition of each body, the manner 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, Electronic Mail or Other Suitable

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, electronic mail, or other suitable 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, electronic mail or other suitable means, 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, electronic mail or other suitable distribution, shall be sufficient to amend.

BYLAWS

As amended April 2, 2017

ARTICLE I – NAME

This association, which is a Colorado nonprofit corporation recognized by the IRS as an Internal Revenue Code section 501(c)(6) organization, shall be called "The American Association of Petroleum Geologists," also referred to as the Association, or AAPG.

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 – MEMBERS

SECTION 1. Membership Classifications

The three membership classifications shall be Members, students, and associates. All members shall be entitled to receive a copy of the *Bulletin* and *Explorer*. Except for headings, where the word "Member" is used in these bylaws with a capital letter, it shall refer to the specific membership category of Member. Where used without a capital letter, it shall be a generic use to refer to all those who hold any category of membership in AAPG. Headings shall refer to specific uses within that section.

A. Members

1. Persons applying to become Members of AAPG shall:

- a. Be engaged in the practice or teaching of geology;
- b. Hold a Bachelor's, Master's, or Ph.D. in geological science, (including, but not limited to, geology, geophysics, earth science, geological engineering or environmental geoscience) from a college or university of acceptable academic standards; and
- c. Have a minimum of one (1) year of experience in the practice or teaching of geological science. The executive committee may waive this degree requirement in favor of adequate professional experience and standing in the profession.

2. Members may hold office, vote in Association affairs, sponsor membership applications, and refer to themselves as Members of the Association.

a. All Member applicants shall submit an application form authorized by the executive committee that includes the endorsement of one Member in good standing, attesting to the applicant's training and experience. The executive committee shall determine all questions of eligibility, except that the executive committee may not waive the endorsement or professional experience requirements.

b. The executive committee shall publish the names of approved applicants along with the names of their sponsors. If no objections to the application are received within sixty days, the executive committee shall notify the applicant of his or her acceptance. Objections must include a full statement of the circumstances on which the objection is based and be signed by the Member raising the objection. The executive committee shall take the objection under consideration and make a final determination as to eligibility at its sole discretion.

3. Emeritus Members – Members may request emeritus status when they have reached the age of sixty-five (65), are in good standing, and have been members of any classification for thirty years, including time spent in military service. The request shall be sent to the executive director. Emeritus Members shall retain all privileges as Members, but shall pay 50% of the Member dues.

4. Honorary Members – Recipients of the Sidney Powers Memorial Medal Award and other members who have contributed distinguished service to the cause of petroleum geology may be granted honorary membership by the executive committee. Honorary members shall be granted all of the privileges of Members, and shall not be required to pay dues.

B. Students

Any student majoring in geology or in a field of study related to or generally associated with geology at a college or university of acceptable academic standards may apply for student membership. Student membership shall terminate twenty-four (24) months after termination of academic enrollment and student members will be reclassified as associates.

C. Associates

Any person not qualified for any other class of membership, who is a graduate of a college or university of acceptable academic standards and whose employment is associated with geological science, may apply to be an associate. The executive committee may waive this degree requirement in favor of adequate professional experience and standing in the profession.

SECTION 2. Dues

A. Dues shall be billed and payable in advance of the fiscal year in accordance with a schedule established by the executive committee. The fiscal year shall begin on July 1 and end on June 30. Written notification by mail, electronic mail, or other suitable means shall be provided to each Member, student and associate before July 1 of each year, stating the amount of annual dues owed. Dues shall not be refundable. Those previously designated as life members shall not be required to pay dues.

B. Dues may not exceed the following: Member - \$125.00

Emeritus Member - \$62.50

Student - \$10.00

Associate - \$125.00

C. Dues for Members and associates shall be billed in accordance to the following three levels of gross annual income:
Level 1 – Annual income greater than \$50,000;
Level 2 – Annual income greater than \$25,000 but not more than \$50,000; and

Level 3 – Annual income of \$25,000 or less.

Level 2 dues shall be one-half of Level 1 dues; Level 3 dues shall be one-fourth of Level 1 dues; provided that annual dues may not be less than \$20.00 for any level. A Member or an associate whose annual income is in Level 2 or Level 3 may pay dues that correspond with any higher level of annual income. The executive committee may provide for access to the Bulletin and the Explorer by different means for persons paying different levels of dues.

D. Dues for Members and associates may not be changed more than 20% in any given year.

SECTION 3. Membership Meetings

The Association shall hold at least one stated meeting of its members each year, at a time and place designated by the executive committee.

SECTION 4. Loss of Membership

A. Any member may resign at any time from the Association; such resignation shall be in writing and shall be accepted by the executive committee.

B. Any member whose dues are in arrears for more than sixty days but less than one year shall be suspended from membership. Any member whose dues are in arrears for more than one year shall forfeit membership.

C. Any member who resigns, who forfeits membership for non-payment of dues, or who is expelled for ethical reasons shall cease to have any rights in the Association and shall not incur further indebtedness to the Association.

D. Any person who has been removed from membership, except by expulsion, may be reinstated by unanimous vote of the executive committee, upon fulfillment of such requirements as may be established by the executive committee. A person who has been expelled may be reinstated as provided for in the AAPG Disciplinary Code.

ARTICLE IV - OFFICERS

SECTION 1. Officers

The officers of this Association shall be a president, president-elect, vice president – sections, vice president-regions, secretary, treasurer, and editor.

A. President

The president shall be the chief executive officer and spokesperson for the Association on all matters pertaining to the public; shall serve as chair of the executive committee, shall appoint the members of all committees in accordance with these bylaws; and shall appoint delegates to cooperating organizations to represent the Association.

B. President-elect

The president-elect shall serve as a member of the executive committee, shall present a budget for the ensuing year to the executive committee, and succeed to the office of president following the term as president-elect.

C. Vice president-sections

The vice president-sections shall, with his or her other duties, concern himself or herself with the activities of the Association in respect to United States sections.

D. Vice president-regions

The vice president-regions shall, with his or her other duties, concern himself or herself with the activities of the Association in respect to its international regions.

E. 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, 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.

F. 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; serve as an ex-officio member of the committee on investments; give bond, the amount of which shall be determined by the executive committee; make the annual report as treasurer; and perform such other duties as directed by the executive committee.

G. Editor

The editor shall have general supervision of and final authority in soliciting, accepting, and rejecting all material on technical subjects for publication; have policy oversight and responsibility for editorial content of all technical and peer-reviewed publications; submit an annual report of editorial activities to the executive committee; and, with the approval of the executive committee, appoint volunteer editors as deemed necessary.

SECTION 2. Terms of Office

A. Terms of office shall be from July 1 to June 30. No officer may serve a successive term.

B. The terms of office for the president-elect and president shall be for one year. The president-elect shall succeed to the office of president following the term as president-elect.

C. The vice president-sections, the vice president-regions, the secretary, and the treasurer shall serve two-year staggered terms. The terms of the vice president- sections and the treasurer shall begin in even numbered years and the terms of the vice president-regions and the secretary shall begin in odd numbered years.

D. The term of office for the editor shall be three years.

SECTION 3. Eligibility

A. No person may hold more than one of the following positions during the same term:

- Association officer;
- House of delegates officer;
- Immediate past chair of the house of delegates;
- Division president; and
- Elected advisory council member.

B. In addition, no person currently serving in the aforementioned positions may become a candidate during the term of office or for one year immediately following such term, and no past president may hold any of these positions for a period of three years following a term as president.

C. A candidate for the office of vice president-sections must reside within the United States and be a Member of a section.

D. A candidate for the office of vice president-regions must reside outside of the United States and be a Member of a region.

SECTION 4. Election

A. The advisory council shall annually recommend two or more candidates for each of the available offices, and shall report to the executive committee by November 15 of each year.

B. The executive committee shall approve the ballot, placing two candidates for each available office. To change the order of candidates or the office for which a candidate is nominated by the advisory council shall require the affirmative vote of at least five members of the executive committee. If the executive committee changes the office for which a candidate is nominated, such candidate shall be given the opportunity to decline such candidacy.

C. Candidates shall be announced to members via email on or before December 1. Additional nominations may be made by written petition or email of fifty (50) or more Members in good standing received by the executive director at Association headquarters not later than January 31.

D. The names of candidates shall be published in the *Explorer* or by other suitable means by January 1. Petition candidates will be announced no later than February 15.

E. The executive committee shall then prepare a ballot, which may be a printed, electronic, or other suitable ballot, listing the candidates for each office, which shall be distributed to each Member on or before April 1. Ballots must be returned by May 15. The ballot committee shall count the ballots promptly after May 15 and report the results to the president. A majority of all votes cast for an office shall be necessary for election. In case of a tie vote the executive committee shall cast one (1) additional deciding vote.

F. In there are more than two (2) candidates for any office, then the election shall be by preferential voting, and voters shall mark their preferences in order. If no candidate receives a majority after the first choice ballots have been counted, the ballots for the candidate with the least number of first place

votes shall then be allocated by the second choice. This process shall be repeated until one of the candidates receives a majority vote.

G. The vote totals for all elections conducted by this Association shall not be released except upon written approval of all candidates for that specific office. In such case, the results will be released to each of those candidates. Subsequent disclosure of the results shall also require the specific written approval of each candidate for that office.

SECTION 5. Vacancies

Vacancies shall be filled as follows:

1. A vacancy in the office of president shall be filled by the vice president whose term of office started earliest.

2. A vacancy in the office of president-elect, vice president-sections, or vice president-regions shall be filled by a special election called by the executive committee. Any such ballot may consist of any combination of mail, electronic mail, or other suitable means.

3. A vacancy occurring in the office of secretary, treasurer, or editor shall be filled by the unsuccessful candidate for that office in the most recent election. If there was more than one unsuccessful candidate for that office consenting to serve if elected, the vacancy will be filled by a special election, which may be by preferential balloting. If no candidates are willing to serve if elected, the executive committee may fill such vacancy.

SECTION 6. Officer Eligibility for Nominations and Awards

A. No officer may be selected for an honor or award by the executive committee during and for one year immediately following the term, except for an honor or award that has been determined by an impartial convention judging process.

B. No candidate for an officer or position may be selected for any honor or award given by any Association component during the period of their candidacy, unless the honor or award has been announced prior to the announcement of their candidacy, or determined by an impartial convention judging process.

ARTICLE V – EXECUTIVE COMMITTEE

SECTION 1. Composition

The executive committee shall be composed of the following:

- President
- President-elect
- Vice president-sections
- Vice president-regions
- Secretary
- Treasurer
- Editor
- Chair, house of delegates

SECTION 2. Authority

The executive committee shall serve as the Association board of directors, and shall have the general executive control and management of the affairs and funds of this Association. The executive committee shall also:

- Have sole responsibility for all matters regarding the external affairs of this Association;
- Designate the time and place of the annual meeting of the Association
- Supervise the election of officers and filling of vacancies;
- Determine the adequacy of applicant qualifications and classifications;

- Maintain a headquarters and staff;
- Accept, create, and administer the funds and accounts of this Association, appointing trustees to manage such funds;
- Establish such fiscal policies as may be appropriate;
- Serve as an appeal authority in all matters involving grievance proceedings and professional certification of members; and
- Perform such other administrative duties as required to accomplish the objects and purposes of this Association. Any responsibility and authority of the governance of this Association not otherwise specified in these governing documents shall be reserved to the executive committee.

SECTION 3. Executive Committee Meetings

A. The executive committee shall meet immediately before the annual meeting of the house of delegates, and at other times designated by the executive committee, and at the call of the president. A quorum shall consist of four (4) members.

B. Meetings may be held under any such conditions, including action without a meeting, as authorized under the Colorado Revised Nonprofit Corporations Act, provided that no proxy voting shall be allowed, nor shall alternates be allowed to participate in executive committee meetings.

C. Five (5) days notice of regular or special meetings of the executive committee shall be given, which shall include the date, time, place, and, if a special meeting, the purpose of the meeting. Notice shall be given, and may also be waived, in any manner permitted by the Colorado Revised Nonprofit Act.

D. The members of 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 as permitted under Internal Revenue Code section 501(c)(6) and any other pertinent federal income law or regulation, and to the full extent authorized by the Colorado Revised Nonprofit Act.

E. The executive committee shall have the authority, by a two-thirds vote, to amend the articles of incorporation of the Association.

SECTION 4. Executive Director

The executive director shall be the chief administrative official of the Association, shall have the authority to execute contracts on behalf of the Association, and shall have charge of the Association headquarters and staff personnel as authorized by the executive committee. The executive director shall be appointed by, and serve at the pleasure of, the executive committee and be under the personal direction of the president. The executive director may not be an officer of the Association or a member of the executive committee.

The executive director shall also:

- Implement the policies of the executive committee;
- Receive all official notices to the Association;
- Be responsible for the physical custody of all official documents held in repository at Association headquarters; and
- Assist in the work of all committees to ensure the effectiveness of the activities of this Association.

ARTICLE VI – HOUSE OF DELEGATES

SECTION 1. Composition

A. The house of delegates shall be composed of delegates representing the affiliated societies and international regions. Members of the executive committee, former chairs of the house of delegates, and past presidents of the Association more than three (3) years out of office shall be non-voting members,

but are not prohibited from serving as delegates if elected. Officers of the house of delegates shall be voting members of the house of delegates.

B. Officers

1. The officers of the house of delegates shall be a chair, a chair-elect and a secretary/editor. The house of delegates shall elect the chair-elect and the secretary/editor at its annual meeting from among the delegates who have served at least one year. The term of office shall be one year, commencing July 1.

1. The chair-elect shall assume the office of chair following the term as chair-elect.

2. A vacancy in the office of chair shall be filled for the remainder of that term by the chair-elect, followed by a term as chair. A vacancy in the office of chair-elect shall be filled by the secretary/editor. A vacancy in the office of secretary/editor shall be filled by appointment by the chair.

C. Delegates

1. All delegates must be Members in good standing. The house of delegates shall be the sole judge of the eligibility of its members to serve as delegates or officers of the house.

2. Each United States affiliated society shall be entitled to one delegate, plus one delegate for every additional seventy of its Members or major fraction thereof. Each international region shall be entitled to one delegate, plus one delegate for every additional seventy of its Members or major fraction thereof, provided that no international region shall have fewer than one delegate for each affiliated society within the region.

3. Delegates shall be elected by the Members of each society and region. Members may only vote in their home society or region. Association Members residing in the United States and not having a home society may be assigned, for the purpose of voting in delegate elections only, to the nearest United States affiliated society upon request to that society. Association Members residing outside of the United States shall be assigned to the international region 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.

4. The Members of each international region shall elect one or more delegates from among the Association Members of each affiliated society within that international region. Any Members who wish to become candidates for delegate shall file a written request with their affiliated society or international region.

5. Delegates shall be elected for three-year terms. Terms of office shall begin on July 1 following their election.

6. Vacancies in office may be filled, or alternate delegates may be assigned, from among the candidates not receiving a sufficient number of votes from the previous election, and in order of the total number of votes received. The Members from the affiliated society or international region may also appoint alternate delegates and fill any vacancies. The names of alternate delegates must be received in writing by the AAPG headquarters office at least fifteen days prior to the meeting of the house of delegates for which they have been appointed.

7. Should a term of a delegate from a society expire and a society fail to elect a new delegate sixty days before the annual meeting, the president of the section shall appoint a delegate to serve for that term.

SECTION 2. Meetings

The house of delegates shall meet at least once each year during the annual meeting of the Association. No proxy votes

shall be allowed. A quorum shall be a majority of all qualified delegates or alternates elected.

SECTION 3. Authority

All of the legislative function of this Association shall be vested in a house of delegates.

SECTION 4. Duties of Delegates

Delegates shall:

- Serve as representatives of the members in their society or international region;
- Familiarize themselves with the Association's governing documents;
- Acquaint themselves with the Association's current policies and programs;
- Keep their alternates and the leaders of their society and region informed of the Association's program of activities, especially with regard to cooperative participation and service;
- Process requests from the executive committee for information regarding eligibility of applicants for membership in the Association;
- Function as local certification committee members and process requests from the board of certification for information regarding applicants for certification by the Association;
- Actively solicit applications from eligible geologists for membership in this Association; and
- Recognize the obligation to attend all meetings of the house of delegates during their terms, and to perform their duties to the best of their ability.

ARTICLE VII – ADVISORY COUNCIL

SECTION 1. Composition

A. The advisory council shall be composed of one elected councilor from each section or region with up to 3,000 Members plus one elected councilor for each additional 3,000 Members or fraction thereof, the immediate past chair of the house of delegates, the immediate past president of AAPG, and the chief elected officer of each division. The president immediately prior to the immediate past president of AAPG may elect to serve on the advisory council for up to two years, but if service is declined or discontinued for any reason, service may not be resumed under this clause. The date of record for determining councilor membership shall be November 30 of each year.

B. Unless the immediate past president of AAPG elects to serve as chair, the council shall elect a chair from among the members of the advisory council. The chair shall appoint a recording secretary to take minutes of each meeting.

C. An alternate representative may be designated for an elected advisory council position, who shall be the councilor's immediate predecessor on the advisory council or, if such person is unwilling or unavailable, a current member of that region, section or division shall be designated by its president to serve as the representative for that advisory council meeting or to fill a vacancy.

SECTION 2. Election and Term of Office

A. Councilors shall be elected by ballot by the Members of their respective section or region. There shall be at least two candidates on the ballot for each position. Candidates may be nominated by the respective governing body or by petition of at

least fifty Members of the section or region. Petitions must be delivered to the section or region president at least thirty days prior to the start of the election.

B. The term of office for councilors shall be three years, commencing on July 1. Terms shall be staggered according to a schedule established by the executive committee.

SECTION 3. Duties

A. The advisory council shall:

- Serve as a long range planning body to review the Association's activities and recommend to the executive committee appropriate changes of programs and policies;
- Recommend candidates for Association officers;
- Recommend recipients for all honors and awards as directed by the executive committee;
- Review the relationships among the Association, sections, regions, divisions and other components and recommend adjustments to the executive committee as deemed necessary;
- Continually review the bylaws and recommend changes as deemed necessary; and
- Perform such other service to AAPG as directed by the executive committee.

B. Five members of the advisory council shall serve as the hearing body in grievance proceedings as provided in the disciplinary code.

SECTION 4. Meetings

The advisory council shall meet at least once each year during the annual meeting of the Association and at the call of the chair. The quorum shall be a majority of its members. The advisory council may also act by mail or electronic means as requested by the executive committee. Proxy voting shall not be allowed.

SECTION 5. Vacancies

Vacancies in councilor positions shall be filled by an election to be held within 120 days of said vacancy.

ARTICLE VIII – COMPONENT GROUPS AND AFFILIATIONS

SECTION 1. Organization

The establishment, composition and dissolution of sections and regions shall be the responsibility of the house of delegates upon recommendation by the executive committee. 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.

SECTION 2. Sections

A. Sections shall be established within the United States for the purpose of sponsoring technical meetings, publications, and other activities that further the objectives of the Association within the section. Sections shall be geographically organized. The members of sections may be individuals or federated affiliated geological societies.

B. The sections shall be titled:

- Eastern Section;
- Mid-Continent Section;
- Southwestern Section;
- Gulf Coast Section;
- Rocky Mountain Section; and
- Pacific Section;

SECTION 3. Regions

A. Regions shall be established outside the United States for the purpose of sponsoring technical meetings, publications, and other activities that further the objectives of the Association within the region. Regions shall be geographically organized. The members of regions may be individuals or federated affiliated geological societies.

B. The regions shall be titled:

- Canada Region;
- Latin America and the Caribbean Region;
- Europe Region;
- Africa Region;
- Asia Pacific Region; and
- Middle East Region.

SECTION 4. Technical Divisions

A. Technical divisions may be established by the house of delegates at its annual meeting upon recommendation of the executive committee. A two-thirds vote shall be required to establish or dissolve a technical division. Technical divisions may affiliate with other scientific societies with the approval of the executive committee, and may have their own governing documents provided that they do not conflict with the AAPG bylaws. The executive committee shall determine whether such conflict exists. The executive committee shall be empowered to make arrangements with the officers of the division for the conduct of the business of the division.

B. This Association may establish a technical division to conduct a program of voluntary certification of Members in such professional categories and the awarding of such titles, as approved by the executive committee. Each professional category of certification will be sponsored by a technical division, which need not be the technical division conducting the certification program. Implementing procedures, including the issuance of appropriate certificates, shall be adopted by the technical division conducting the certification program.

SECTION 5. Technical Interest Groups and Special Interest Groups

Technical Interest Groups (TIGs) and Special Interest Groups (SIGs) shall be established, maintained, and dissolved by the executive committee.

SECTION 6. Affiliated and Associated Societies.

This Association may affiliate or associate with societies and other groups whose purposes are complementary to AAPG. Such affiliation or association shall be approved by the house of delegates upon the recommendation of the executive committee.

ARTICLE IX – COMMITTEES

SECTION 1. Standing Committees

A. There shall be an ethics committee and any other committees established by the executive committee upon recommendation of the advisory council. The executive committee shall annually report to the house of delegates on the establishment or dissolution of any standing committees for that year. A list of standing committees, the charge to each committee, and the names of the chairs or co-chairs, vice-chairs, and committee members of each shall be published annually.

B. The president shall appoint all committee chairs, co-chairs, vice chairs, other committee members and committee

managers, and fill vacancies whenever they occur, except where otherwise specified in these bylaws. The committee manager may or may not be a member of the committee. The executive committee shall determine the number of members of each standing committee, its charges, and may appoint a manager to liaise with the executive committee.

C. Committee members shall serve three year staggered terms, commencing on July 1. Chairs, co-chairs, vice-chairs, and committee managers shall serve a one year term commencing on July 1, and may not serve as such for more than three consecutive years. No co-chair shall have served as chair at any time during the preceding year.

SECTION 2. Ethics Committee

There shall be an ethics committee composed of five members appointed by the executive committee for staggered three-year terms. Members of the ethics committee shall be members of the technical division of the Association charged with conducting the certification programs of members in professional categories. The ethics committee shall investigate ethical complaints and perform other such duties as described in the disciplinary code.

SECTION 3. Special Committees and Delegations

Special committees and delegations shall be authorized by the executive committee for a term of one year. The president shall appoint the members and chairs of special committees and delegations.

SECTION 4. Association Representatives to Non-Association Committees

The executive committee may appoint a member of any classification to serve as AAPG's representative on an outside committee, board or organization. Such service shall not extend for more than one term or more than five years, whichever is greater, except by the unanimous consent of the entire executive committee. No more than two extensions of one year each may be granted. Multiple full or partial terms of a member on any particular committee, board, or organization may be served by the member if not less than one (1) fiscal year of the Association elapses between each full or partial term served.

ARTICLE X. PARLIAMENTARY AUTHORITY

The rules contained in the eleventh edition of *Robert's Rules of Order Newly Revised* shall govern this Association in all cases to which they are applicable and in which they are not inconsistent with these bylaws and any special rules of order the Association may adopt.

ARTICLE XI. DISSOLUTION

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 1986. Any such assets not so disposed of shall be disposed of by a court of competent jurisdiction for the county in which the principal office of the Corporation is then located, exclusively for such purposes or to such organization or organizations as said court shall determine, which are organized and operated exclusively for such purposes. 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 XII. AMENDMENTS

SECTION 1. Proposal of Amendments

A. Amendments to Article I, Article II, the AAPG Code of Ethics or this section shall be subject to the following requirements:

1. Amendments may be proposed by the executive committee, the house of delegates, a special committee appointed by the president, or by petition of any fifty Members of AAPG. All proposed amendments shall be reviewed for legality by the executive committee with advice of counsel, and shall be published in the *Bulletin* or by other suitable means at least two months prior to the annual meeting of the house of delegates.

2. The house of delegates shall consider such amendments at its annual meeting, and a majority vote shall be required to send the ballot to the Members. If the house of delegates amends the proposal, the executive committee shall review the amended proposal for legality prior to such ballot being sent.

3. Ballots shall be sent to the Members no later than sixty days after the annual meeting of the house of delegates. A two thirds vote of the ballots received shall be required for amendment of Article I, Article II, or the AAPG Code of Ethics.

B. Amendments to all other articles of these bylaws or to the disciplinary code shall be subject to the following requirements:

1. Amendments may be proposed by the executive committee, the house of delegates, by petition of any fifty Members of AAPG, or by a majority vote of the officers of the house of delegates plus the chair of the bylaws committee. All proposed amendments shall be sent to the chair of the house of delegates, who shall forward them to the executive committee to be reviewed for legality with advice of counsel, and to the bylaws committee for review and report to the house.

2. Except for amendments proposed by house resolution, proposed amendments shall be sent within thirty days of receipt to the executive committee, members of the house of delegates, the bylaws committee, the advisory council, and any committee or member(s) of the Association designated by the executive committee to receive them. All of the aforementioned groups may submit comments to the bylaws committee chair up to thirty days prior to the meeting of the house at which the proposed amendment is to be considered.

3. For amendments proposed by house resolution, the executive committee, members of the house of delegates, the bylaws committee, the advisory council, and any committee or member(s) of the Association designated by the executive committee to receive them may submit comments to the bylaws committee until October 31 following the adoption of the house resolution.

4. Proposed amendments shall be published in the *Bulletin* or by other suitable means at least ninety days prior to the annual meeting of the house of delegates. All comments received by the aforementioned deadlines shall be sent with the proposed amendments to the members of the house of delegates.

5. A two-thirds vote of those present and voting in the house of delegates shall be required to amend these bylaws.

ARTICLE XIII – 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.

APPENDIX A

AAPG 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. All members, regardless of classification, shall be guided by high standards of business ethics, personal honor, and professional conduct.

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 AAPG bylaws and disciplinary code.

APPENDIX B

DISCIPLINARY CODE

SECTION 1. Executive Committee Authority and Responsibility

Subject to the provisions of the AAPG bylaws, the executive committee shall have primary authority over matters of professional conduct and discipline. Unless otherwise provided by these bylaws, 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. The executive committee shall adopt procedures governing the investigation, hearing, and disposition of charges of misconduct, and shall publish such procedures in the *Bulletin* or by other suitable means.

SECTION 2. Disciplinary Action

Members shall be subject to disciplinary action for: (a) violating the AAPG Code of Ethics, or (b) pleading guilty to a misdemeanor involving moral turpitude or to any felony, admitting to the violation of any governmental statute, regulation, rule, or code of ethics relating to the practice of geology, or who, as determined by the executive committee, falsely stated qualifications for membership.

SECTION 3. Violations of the AAPG Code of Ethics

A. For violations of the AAPG Code of Ethics, charges shall first be submitted in writing to the executive director at Association headquarters, and shall include a statement of the evidence on which the charges are based. The executive director shall submit the charges to the ethics committee. If in the judgment of the ethics committee and after consultation with AAPG legal counsel, the evidence supports further action by the Association, the committee shall prepare and file formal charges with the advisory council at Association headquarters.

B. For violations of the AAPG Code of Ethics, and upon the notification of member actions or the filing of formal charges, the chair of the advisory council shall appoint a hearing body composed of five members of the advisory council, including at least one past president of the Association. The ethics committee shall appoint one of its members as the prosecutor. Both the prosecutor and the accused member may challenge such appointments and require removal of up to two members of the hearing body. Such removed members shall be replaced with other members of the advisory council selected by the chair of the advisory council. The hearing body shall set the time, date, and place for a hearing on the charges. The accused member shall be given such written notice at least thirty days prior to such date, mailed to the member by registered mail to the member's last-known mailing address. The notice shall also include a copy of the formal charges, the disciplinary code and any other adopted disciplinary procedures.

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.

By registered letter addressed to the chair of the advisory council at Association headquarters and postmarked not less

than ten (10) days prior to the date of the hearing, the accused member may, at his or her own option, 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. Failure of the accused member to appear or to submit a waiver letter and a written defense shall not prevent the hearing body from rendering final judgment.

SECTION 4. Other Violations

A. For disciplinary action resulting from pleading guilty to a misdemeanor involving moral turpitude or to any felony; admission to the violation of any governmental statute, regulation, rule, or code of ethics relating to the practice of geology; or a false statement of qualifications for membership; the executive committee shall set the time, date, and place for a hearing on the charges. The accused member shall be given such written notice at least thirty days prior to such date, mailed to the member by registered mail to the member's last-known mailing address. The notice shall also include a copy of the formal charges, the disciplinary code and any other adopted disciplinary procedures. As applicable, the notice shall also be accompanied by a copy of a court document or other official document indicating such plea of guilty or admission of violation, a copy of the judgment or other document indicating such conviction or finding, and a copy of any applicable order of an appellate court or other appellate body, or a statement explaining such charge of falsely stating qualifications of membership.

The accused member may appear with legal counsel before the executive committee, present written evidence to the executive committee, present witnesses in the member's behalf, and submit oral or written statements in the member's behalf.

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 that the executive committee consider the matter on the basis of a written statement by the member accompanying such a letter without the personal appearance of the member. The executive committee shall consider such statements prior to voting on the suspension or expulsion of the member.

B. A member who does not plead guilty to but is convicted of the aforementioned offenses 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 by a majority vote of all members of the executive committee, following a trial at which the executive committee shall serve as the hearing body. 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.

SECTION 5. Disposition of Charges

A. 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. A finding sustaining the charges shall require a four-fifths vote. 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.

If the charges are sustained, 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.

B. Disposition of the charges on any terms or conditions may be made at any time prior to the conclusion of the proceedings, provided such disposition has been agreed to by all of the members of the ethics committee, the chair of the advisory council, the accused member, and the executive committee. The existence of allegations against any member and their basis and content shall be confidential.

SECTION 6. 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 7. 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 except by unanimous vote of all members of the executive committee of the Association.

SECTION 8. Expulsion

Persons expelled from the Association under these proceedings shall be ineligible for reinstatement to membership except by unanimous vote of all members of the executive committee of the Association.

SECTION 9. 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.