

# 2015 ANNUAL REPORT

— For the Fiscal Year July 1, 2014 to June 30, 2015 —

## 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](http://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. Mulky  
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  
schoot 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

## President

As I've said to many people around the world, while AAPG provides excellent and cutting-edge geoscience, I believe our most important product is our community. We have a fabulous global community of smart, talented, interesting geoscientists who are for the most part really, really nice. I'm very grateful to have met and gotten to know so many of these people. I'm especially grateful for this year's EC (John Hogg, president-elect; David Dolph, HoD chair; John Kaldi, VP Regions; Steve Brachman, VP Sections and Richard Ball, secretary), for their talent, hard work, ideas, humor, and caring. I have also come to appreciate even more our dedicated and hard working staff, lead by David Curtiss (executive director) and David Lange (deputy executive director). AAPG is very fortunate to have so many talented and dedicated volunteers and staff members who make being a part of this community a fabulous experience.

Some of the things that have kept the EC and our AAPG staff busy over the past year are highlighted below.

### Implementation of Three-Year Business Plan

Reviewing progress on how the three-year business plan is being implemented, including how programs and services are being evaluated in terms of cost versus benefit.

### Modified Campaign Policy

AAPG candidates for office are no longer requested to attend Section and Region meetings, and travel budgets for candidates have been eliminated. Instead, candidate biographies and videos will be available on AAPG's website so that members can become familiar with the various candidates and their views. This change reduces the time commitment required of candidates and also eliminates travel expenses for candidates.

### Formation of Ad Hoc Governance Committee

It's been more than 50 years since AAPG's current governance structure was established and a lot has happened to the world and to AAPG since then. The world

has grown much smaller as a consequence of jet travel and the Internet among other things. AAPG has grown much larger and has a more diverse membership. Perhaps our governance is just fine and no major recommendations will result, but it was felt a "check-up" was warranted. The committee has three representatives from each of our governing bodies: the EC, the HoD and the AC. Colette Trohan, our parliamentarian, has facilitated committee meetings and assisted them as they conduct this analysis.

### House of Delegates Interactions

As a result of discussions within the EC, we requested the HoD Constitution and Bylaws committee give consideration to several issues of importance to AAPG that we felt might be appropriate for the HoD to evaluate. As a result, the Constitution and Bylaws committee brought forth three amendments to be voted upon by the HoD at their May 31 meeting in Denver. One amendment concerned the election for AAPG Elected Editor and did not pass. Another amendment dealt with shortening the timeframe and consequently the time commitment for officer candidates, and the third amendment dealt with the formation of Technical Interest Groups and Special Interest Groups. These two amendments passed.

### Cooperative Efforts with Sister Societies: First AAPG-SEG Joint ICE

As part of our efforts to do more things jointly with our sister societies, the first joint AAPG-SEG International Conference and Exhibition was held in Melbourne Sept. 13-16. AAPG was the operator for the Melbourne ICE meeting. The next joint AAPG-SEG ICE will be operated by SEG and is being held in Barcelona in the first half of 2016.

The past year has been challenging for our industry and consequently for our Association. When I took office, oil prices were at record highs and soon proceeded to drop significantly. And we see the impact of this price crash everywhere we turn. Colleagues have lost jobs, corporate restructuring has upset our collective balance, and the industry's overall attitude is one of severe austerity, entrenchment, and caution. AAPG dues comprise only a small part of our income. AAPG relies

heavily on income from our various conferences, most importantly our Annual Convention and Exhibition and our International Conference and Exhibition, to pay for programs that are not revenue generating. This year's attendance at and sponsorships for these two important meetings did not meet expectations, and consequently did not bring in the income anticipated. Therefore even though our staff was diligent about cutting costs, we operated at a loss. It is likely we will continue to operate at a loss during this fiscal year. Fortunately we have a reserve that we can access to allow us to continue to provide excellent products and services, but just as companies are tightening their belts, so must AAPG. The next few years will continue to be challenging in multiple ways. The financial challenge is a big one, but there is also the challenge to make sure the products and services AAPG provides are exactly what our membership and our customers need so that we can continue to be the "go-to place" for geoscientists and energy companies worldwide. And this is a very big challenge given the changing dynamics of how people access information and interact and the increasingly competitive environment we operate in that not only includes other energy professional associations but also for-profits. Meeting these challenges will require change, and it is often difficult to adjust to change. I have strong confidence that our current EC under the leadership of John Hogg, and our future ECs, along with our staff, will successfully rise to the challenge.

AAPG, now more than ever, needs a strong, dedicated group of volunteers. I have always benefitted and gained greatly from my active involvement in AAPG: gained colleagues, gained friends, gained opportunities and learned a heck of a lot along the way. I encourage each of you to give of your time and energy to AAPG in whatever capacity is attractive to you. Your membership and your active involvement are critical both to the continued success of AAPG and to your continued professional and career growth.

My wish for you now is the same as always: good health, rewarding friendships, great prospects, successful wells, and robust employment opportunities, but most of all, may you feel the passion.

**Randi Martinsen, President**

## Statement of Income and Expenses

	General Fund FY 2013-14	General Fund FY 2014-15	Budget FY 2014-15
<b>Operating Income</b>			
Dues	\$ 2,509,606	\$ 2,447,308	\$ 2,738,504
BULLETIN Subscriptions	249,946	239,675	234,000
Advertising Income	1,934,629	1,920,911	1,866,048
Sales of Publications	1,077,247	884,706	1,031,193
Interest and Dividends	371,243	538,548	250,000
Investment Income from NAPE	736,964	702,232	710,000
Investment Income - Other	1,327,080	1,335,680	1,430,000
Education and Misc. Service Fees	4,766,196	3,169,495	4,415,994
Conferences and Meetings	10,310,623	6,958,295	7,975,269
Page Contributions	10,306	3,253	5,400
Gain (Loss) on Datapages	(9,203)	(205,841)	23,884
Gain (Loss) on International Pavilion	(79,439)	(97,785)	-
Grant Income	1,192,772	1,057,446	1,240,504
Miscellaneous	358,603	327,644	55,927
<b>TOTAL OPERATING INCOME:</b>	<b>24,756,573</b>	<b>19,281,567</b>	<b>21,976,723</b>
<b>Operating Expenses</b>			
Salaries	5,010,034	5,479,300	5,830,251
Employee Benefits	2,019,027	2,547,352	2,414,058
Publishing Cost of BULLETIN	311,399	125,256	288,000
Publishing Cost of EXPLORER	228,379	276,867	266,807
Cost of Special Publications Sold	319,140	233,503	286,428
General Office Expense	790,915	1,152,205	904,667
Postage and Shipping	577,497	556,251	579,591
Building Expense	320,873	317,983	354,690
Professional Fees	1,917,873	2,215,249	1,868,753
Staff Travel	410,438	417,969	474,563
Professional Travel	1,246,573	1,274,729	1,481,015
Conferences and Meetings	8,345,817	5,498,666	6,266,786
Depreciation	202,910	160,179	210,459
AGI Dues	64,832	63,344	70,000
Meeting Presence/Display	363	14,138	8,500
Miscellaneous Grants and Awards	290,808	206,037	577,685
Miscellaneous	426,899	417,084	238,612
<b>TOTAL OPERATING EXPENSES:</b>	<b>22,483,777</b>	<b>20,956,112</b>	<b>22,120,865</b>
<b>Income (loss) from Operations</b>	<b>\$ 2,272,796</b>	<b>\$ (1,674,545)</b>	<b>\$ (144,142)</b>
<b>BALANCE SHEET SUMMARY</b>			
Assets	\$ 27,170,816	\$ 25,093,914	
Liabilities	8,714,361	8,667,921	
Fund Balance	18,456,455	16,425,993	
<b>Total Liabilities and fund Balance</b>	<b>\$ 27,170,816</b>	<b>\$ 25,093,914</b>	

The figures reflected above in the FY 2014–2015 are preliminary, as the audit, and the audit of all the required affiliates and subsidiaries had not been completed at the time this statement went to print.

## Treasurer

Fiscal Year 2015 was projected to be a slightly challenging year for the Association, but the deteriorating economic conditions in the oil and gas industry hit our Association harder than expected during the year.

Our income from advertising, sales of publications, educational and convention activities were all down compared to the prior year. With regards to the meeting activity, in FY 2014 we greatly benefited

from the strong results at both our ACE (Houston) and ICE (Cartagena), and although the ACE (Denver) and ICE (Istanbul) were great events, they did not produce as much revenue as we enjoyed from 2014.

We continue to benefit from our investments in cooperative partner events, including the NAPE meeting and our interest in the Offshore Technology Conference and IPTC. Although the NAPE

event was down a little, the OTC and other events were up a bit as well. We are working to ensure AAPG's presence and participation in these partner events strengthens and grows.

We continue to challenge ourselves and the staff to be good stewards of our members' resources while still striving to deliver a high level of member benefits. To fulfill the mission of the Association, the budgeted expense was just over \$22.1 Million for 2015. As a result of the cost saving efforts, corresponding reduction of costs from our revenue streams and delaying purchases, our overall expenses for the year were under budget by nearly \$1.2 million, coming in at \$21 million.

Despite the fact we were favorable to budget on expenses by such a large amount, we were significantly under budget on revenue for the year, which resulted in a net loss from operations of \$1.67 million. The Budget Committee and Executive Committee are actively working to determine which programs and activities we will continue to conduct or support in these challenging economic times. Despite the economic constraints that are facing our Association, with increased uncertainty surrounding the oil and gas industry, we believe we need to continue to not only focus on cost savings, but also investing in those programs that provide value to our members and promote our profession. For example, publications and the Datapages electronic archives are current investments that we anticipate will pay dividends for years to come.

We are actively working to properly position the investment portfolio to assist us with weathering the current storm and to plan for economic uncertainties. Interest and dividend income was a real bright spot in FY 2015, significantly up compared to the prior year.

Looking forward, we enjoyed a successful ICE meeting in Melbourne despite the challenging economic environment, and are working to complete the financial figures right now. We are anxious to see how that meeting turns out financially, and expect we will have an outstanding experience at the ACE in Calgary in June 2016 as well.

There was a retirement initiative implemented during the last half of 2015, with special recognition of the long service of many of our staff. The reorganization that will follow is expected to deliver the current and future services with a reduction in headquarters expense. These and other decisions we have taken should help prepare the Association for our second century.

We hope that better economic times are ahead for our industry and profession, although at the time of this writing, that seems optimistic near term. We will vigilantly watch the financial results of our activities in order to prudently bring the greatest professional benefits at the best possible value to our members.

**Jim Tucker**

## Editor

The Editor oversees all technical publications of AAPG, including the *AAPG Bulletin*, Special Publications, and GIS/Spatial Publications, which are all peer-reviewed, and Search and Discovery, which is not peer-reviewed.

### **AAPG Bulletin**

The *AAPG Bulletin* publishes papers on the geology and associated technology of hydrocarbon exploration, development and production and other energy mineral resources. Since 1917 it has occupied an important place in the scientific literature of petroleum geoscience. As of December 2014 all 40,958 members of the AAPG received the *Bulletin* either digitally, or on paper along with 600 institutional subscriptions. As a highly selective peer-reviewed journal it attracts papers from leading petroleum geology and engineering researchers. The *AAPG Bulletin* is well regarded by researchers and has a journal Impact Factor of 1.83, up from 1.79 in 2013. The *AAPG Bulletin* enjoys one of the highest rates of downloads among the collection of journals in the GeoScienceWorld, an aggregation of 41 high-impact, peer-reviewed earth science journals to which many research and academic institutions worldwide subscribe. Downloads of *Bulletin* papers through GeoScienceWorld and our own Datapages archive provide another means to disseminate our science to the academic and corporate community beyond our membership. Royalties from downloads and other permissions usage are an important source of revenue for AAPG totaling over \$240,000 in 2014.

Submissions to the *AAPG Bulletin* have been rising for the last three years. The 241 manuscripts submitted to the *AAPG Bulletin* in 2014 exceeded the 232 received in 2013 and is the highest number of submissions since record keeping began in 1990. Of the manuscripts received in 2014, 131 were accepted for publication with revisions and 69 were rejected (30 percent). Because submissions are high we have had the

flexibility to be more selective about the papers that we are publishing. We continue to receive a significant number of manuscripts written by authors for whom English is a second language. These submissions add greatly to the geographic diversity of our science, but require the volunteers and staff to help the authors to communicate their science. To help these authors with their written English, in 2014 the *AAPG Bulletin* began working with Chatworth, a translation company that for a small fee will work with authors to improve their writing. In 2014 the *Bulletin* published two special issues – the August issue honoring J. Fred Read, edited by Langhorne (Taury) Smith, and the November issue on faulting and fracturing in shale and self-sourced reservoirs, edited by David Ferrill, Alan Morris, Peter Hennings, and David Haddad.

In calendar year 2014, 98 (100 including Discussion and Replies) papers were published, including 38 (38%) non-geographical, topical studies, with the balance describing petroleum-related research and applications with regional examples. Of studies having a regional aspect, 25% addressed subjects from areas in the United States, 11% from the Asia/Pacific area, 1% from Africa, 7% from the Middle East, 9% from Europe, 6% from Latin America and 3% from Canada. Associate editors are selected based on their previous experience as reviewers and authors to provide the Editorial Board with the expertise (both geographic and discipline specific) that it needs to fairly evaluate the merits of the manuscripts that we receive. Most of the papers published were rated as major articles. The Editorial Board has revised the descriptions of the parts of the *Bulletin* to better delineate shorter, topical contributions in science, technology and exploration (Geological Notes, Geohorizons, and E&P Notes, respectively) with the aim of attracting more contributions in these categories. These contributions will receive expedited editorial handling to fast-track them to publication.

The median number of days required to review and act on manuscripts from submittal to decision rendered in 2014 decreased to 92 days from 94 days in 2013. Providing rapid but thoughtful and constructive reviews is the essential contribution of the *AAPG Bulletin* peer-review and scientific editorial process. The *AAPG Bulletin* typically requests three reviewers to read manuscripts. The quality of the review is vital, and reviewers are busy, unpaid volunteers. Although the median review time is less than 92 days, the incidence of longer review times for reviewers who render an opinion remains

unacceptably large. Increasingly manuscripts may be rejected after initial screening by senior editors; many of these papers successfully enter review later.

### **AAPG/SEG Co-Published Journal: Interpretation**

The first full year of *Interpretation* (2014), published jointly with the Society of Exploration Geophysicists (SEG). The quarterly journal is dedicated to the integrated aspects of geophysical interpretation. This journal also incorporates an editorial board appointed by each society. Response from authors continues to be strong, and a total of 126 papers were published in the 2014 issues.

### **AAPG Publications 2014 Releases**

Three books and eight CDs were published in 2014, and six collections of publications were added to the AAPG/Datapages Archives.

### **BOOKS RELEASED IN 2014**

1. Memoir 106 – Petroleum Systems of the Tethyan Region (edited by Lisa Marlow, Christopher C. G. Kendall, and Lyndon A. Yose)
2. Memoir 107 – Pinedale Field: Case Study of a Giant Tight Gas Sandstone Reservoir (edited by Mark W. Longman, Stephen R. Kneller, Thomas S. Meyer, and Mark A. Chapin)
3. Memoir 109 – A Color Guide to the Petrography of Sandstones, Siltstones, Shales and Associated Rocks, by Dana S. Ulmer-Scholle, Peter A. Scholle, Juergen Schieber and Robert J. Raine

### **PUBLICATIONS ON CD RELEASED IN 2014**

1. Transactions of the Gulf Coast Association of Geological Societies (GCAGS), 1951 to 2013 DVD Update
2. Publications of the Indonesian Petroleum Association (IPA), 1972 to 2013 DVD Update
3. Publications of the Utah Geological Association, 1946 to 2010 on DVD (77 Spec Pubs)
4. Memoir 78, Giant Oil and Gas Fields of the Decade (1990-1999), by Michel T. Halbouty; Bonus material Database updated to 2004 by M.K. Horn on CD (18 chapters including a table of 877 giant fields is included, as well as Horn's additional data)
5. Publications of the Grand Junction Geological Society (18 spec pubs) on CD, 1960 to 2012

6. AAPG Computer Applications 2, Geologic Log Analysis Using Computer Methods, 1994 on CD
7. AAPG Computer Applications 4, Geographic Information Systems in Petroleum Exploration and Development, 2000 on CD

#### **COLLECTIONS ADDED TO THE ARCHIVES IN 2014**

1. 2013 Unconventional Resource Technology Conference Proceedings (over 250 papers)
2. The Oil Fields of Russia and the Russian Petroleum Industry, 1906 (16 chapters and two appendices)
3. 2014 Unconventional Resource Technology Conference Proceedings (over 250 papers)
4. Bulletin of South Texas Geological Society
5. SEPM *PALAIOS* Volumes 24-28
6. Alaska Geological Society pubs

The new Books Editorial Board, chaired by William DeMig, has started working with AAPG staff on recruiting new publications from AAPG meetings, and a member of the board will be assigned to each new book to advise editors. A total of 17 books were recruited or in production processes during 2014. An ahead-of-print capability for book chapters will be implemented in November 2015.

#### **DEO-GIS Highlights**

1. April (2014) – First launch of Datapages Exploration Objects (DEO) database, with more than 35,000 maps and standard web viewer
2. June (2014) – Development of REST API to allow limited GeoPortal activities and to facilitate other background technologies
3. October (2014) – launch of v.2 DEO, with the addition of 10,001 seismic lines and sections (including more than 4,000 maps/lines for Africa)
4. October (2014) – release of v.2 web viewer
5. December (2014) – ended the year with six paid corporate subscribers after seven months of operations

#### **Spatial Publications Highlights**

Open Files are submitted from external sources, managed by Datapages, peer reviewed by the AAPG GIS Publications Committee, produced by the AAPG Foundation/OSU Consortium and funded by the Boone Pickens Digital Geology Fund of the AAPG Foundation.

1. The Wilcox Group & Carrizo Sand in East-Central TX (2014)
2. Geologic Highway Map of Texas (started in 2014; ongoing)
3. Geological Atlas of the Rocky Mountain Region (started 2014; ongoing)

#### **Search and Discovery Highlights**

Search and Discovery continues to show significant posting numbers with an increase of 34% new articles posted over last calendar year. During 2014 there were 799 individual articles posted, 20 abstract sets, and 5 audio-visual presentations with a total of 3,579 PDFs added to the collection. Usage included 797,427 visits with an average of 2,185 visits per day. Most articles are acquired from presenters who gave talks or presented posters at AAPG ACE, ICE and the Section and Region meetings. Other resources are Geoscience Technology Workshops, forums and Hedberg presentations, with select CSPG extended abstracts. We also received, edited, and posted unsolicited manuscripts and talks from Tulsa Geological Society meetings.

In addition, Search and Discovery developed mobile applications (apps) of program schedules and abstract text for eight AAPG meetings during 2014: ACE, ICE, Europe Region (Barcelona), Southwest Section (Midland), Pacific Section (Bakersfield), Rocky Mountain Section (Denver), Eastern Section (London, ON, Canada) and GCAGS (Lafayette). There were close to 5,000 downloads of the app developed in both Apple and Google formats.

Search and Discovery issues the quarterly *Search and Discovery Digest*, available only to AAPG members, and reaches the

general public via our column in the monthly emailed *Datapages Update*. We continued to sponsor the AAPG/AAPG Foundation Imperial Barrel Award (IBA) by tracking progress of the contest on the Search and Discovery site and presenting IBA jackets to the first place winners at the AAPG annual meeting. Anadarko remains our largest corporate sponsor with additional corporate entities providing advertising support throughout the year.

#### **Charles H. Taylor Fellowship**

The Charles H. Taylor Fellowship, established in 2013, has the status of a special committee. Its role is to advise and assist the Elected Editor with emphasis on journal publications. The fellowship is named for Charles H. Taylor, the first editor for the association.

The Charles H. Taylor Fellowship held their third annual meeting in Houston on February 9. The meeting is described in an article ran in the March *AAPG EXPLORER*. The primary objective of this annual meeting was to select books and papers for AAPG's Pratt (Best Paper), Sproule (Best Paper by an author under 35 years old), and Dott (Best Book) Awards. The attendees also heard reports on aspects of AAPG's publications and discussed ways to improve the process of reviewing and soliciting papers for publication.

The day was capped off with a formal dinner, during which new Fellows were officially inducted. Barry Katz received a special award for his tireless efforts as reviewer and senior associate editor. David Awwiller and Mark Rudnicki presented the third annual Taylor Fellowship Award Lecture titled "Organic matter-hosted pore system, Marcellus Formation (Devonian), Pennsylvania." Kitty Milliken (who could not attend), Rudnicki, Awwiller and Tongwei Zhang were the winners of the 2014 Pratt Award.

**Michael L. Sweet, Editor**

## AAPG Foundation

### Fiscal Year ending June 30, 2015

The AAPG Foundation was established to support programs that benefit the geologic profession and the public. Founded in 1967 as an Oklahoma Trust, and incorporated as a §501(c)(3) organization in 1968, the Foundation's 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.

This report will provide an update on the preliminary financial activities for the past fiscal year, which ended on June 30, 2015.

### Financial Overview

The Foundation's financial audit had not yet been completed at the time of this reporting, thus the financial information is preliminary.

For fiscal year 2015, the Foundation operating revenue amounted to \$1.01M, compared to last year for the same period of \$1.00M. Revenues came primarily from building rent, interest, dividends, capital gains and oil and gas royalties. Operating expenses totaled \$1.23M compared to the previous year of \$1.32M.

The Foundation's investment portfolio is conservatively invested and well diversified and includes public and private equity mutual funds, fixed income mutual funds, international investments and real estate. Last year the Foundation's investment portfolio showed a slight decline of -1.6%, with a portfolio value of \$47.1M as of June 30, 2015 compared to \$47.9M on June 30, 2014, and \$42.3M on June 30, 2013.

### Contributions

Contributions to the Foundation this past fiscal year amounted to \$1.35M. Contributions to the Foundation for FY 2014 were \$1.35M.

Approximately 6.2% of AAPG members in the U.S. and 4.1% of members overall contributed to the Foundation this past fiscal year, compared to last year's 7% of U.S. members and 4.5% of total members the year before. Not surprisingly, 74% of the donors and 72% of total contributions are from AAPG members.

The Trustee Associates support has been and continues to be a critical and important factor in the growth and development of the Foundation. Out of the total contribution dollars received by

the Foundation in FY 2015, \$598K or 60% came from Trustee Associates.

The Military Veterans Scholarship Program reached the initial fundraising threshold of \$500K required to launch the program. In spring of 2015, the program was launched and over 30 applications were received. A total of \$20K was awarded in scholarships to 10 deserving recipients. This program was created to promote educational advancement and career opportunities in the geosciences for U.S. veterans.

### Program Support

The Foundation continues to provide funding for many programs that support its mission of funding programs that benefit the geologic profession and the public.

During the past year, the Foundation awards and grants amounted to \$1.40M, and continued to support many of the important geological programs it has supported previously including: (in \$thousands)

• Grants-In-Aid	\$ 281
• Imperial Barrel Award	\$ 228
• Weeks Memorial Fund	\$ 218
• Bulletin Fund	\$ 127
• Distinguished Lecture	\$ 104
• L. Austin Weeks Undergraduate	\$ 75
• Visiting Geoscientists Fund	\$ 25
• Military Veterans Scholarship	\$ 20

Proposals approved by the AAPG Foundation Trustees funded through the Weeks Memorial Fund or General Fund:

- Friends of Dinosaur Ridge – Discovery Center
- Houston Museum of Natural Science – Science Education programming
- Society of Exploration Geophysicists – Geoscientist Without Borders
- University of Colorado- Interactive Geology Project
- The National Academy of Sciences – Unconventional Hydrocarbon Roundtable
- University of Texas Foundation – GeoForce Texas
- STEMdelivered - Workshop
- YMCA Threeth Quarry Project
- AAPG Bulletin

The Grants-In-Aid program continues to grow with 121 Named/Memorial grants. The Grants-in-Aid program supports graduate and post-graduate students in their studies related to earth science aspects of the petroleum energy industry, including exploration and development of hydrocarbons and economic sedimentary

minerals and relevant applications of environmental geology. Student recipients were invited to submit their abstracts for publication in the *AAPG Bulletin* and on the Search and Discovery website.

Biographies of all Named and Memorial Grants continue to be listed on the Foundation's Web site at <http://foundation.aapg.org/gia/names.cfm>.

### Governance

The Board of Trustees consisted of Jim Gibbs (chairman), John Amoruso (vice chairman), Ray Thomasson (Secretary), Bill Gipson (treasurer), Lee Backsen, and Paul Strunk.

At the annual meeting of the Members of the Corporation in Denver, Colorado on June 1, 2015, David Worthington was elected as a Trustee to fill the vacancy left by Bill Gipson's resignation. Peter MacKenzie and Jerry Namy were elected as members of the Corporation for staggered terms.

### Membership

Trustee Associate Officers are Stewart Henry (chair), David Hawk (vice chair) and Larry Jones (secretary-treasurer). The AAPG Foundation Trustee Associates membership totaled 271 as of June 30, 2015.

The 2015 Annual Trustee Associates meeting was held in Colorado Springs, Colorado in September 2015. Four new Trustee Associate members were welcomed to the group, and five passed away. The Trustee Associates support has been and continues to be a critical and important factor in the growth and development of the Foundation. Each Trustee Associate's support is essential to the growth and future of AAPG Foundation programs. We thank each of you for your dedication and commitment.

### Foundation Awards

The L. Austin Weeks Memorial Medal was established in 2008, and is the Foundation's highest award given in recognition for extraordinary philanthropy and service directed to advance the mission of the Foundation. The premier award honors the late L. Austin Weeks, whose philanthropic legacy set an exemplary standard. This year, the award went to David W. Worthington. Worthington was honored at the AAPG

Annual Convention and Exhibition (ACE) Opening Session in Denver, Colorado in June 2015.

William L. Fisher was the 17<sup>th</sup> recipient of the Chairman's Award for his support to the Foundation. Fisher accepted his award at the AAPG Foundation Chairman's Reception at the AAPG Annual Convention and Exhibition (ACE) in Denver, Colorado in June 2015.

The AAPG Foundation Trustees named Paul Strunk as the 2015 Trustee Associates Service Award recipients. The award was presented at the September 2015 Trustee Associates Annual Meeting in Colorado Springs, Colorado. The Trustee Associates Service Award is presented to individuals or corporations who have distinguished themselves in beneficial long-term service to the AAPG Foundation.

The Board of Trustees extends a heartfelt thank you to each contributor for the continued support of the Foundation's vision and mission. Together we can build a better foundation for the geosciences.

**James A. Gibbs**  
**AAPG Foundation Trustee Chairman**



### Division of Professional Affairs

This year the AAPG Division of Professional Affairs' theme is "Culture of Greatness." As I said at the start of my term, this may sound arrogant – but I think it is important to recognize and promote the culture of professionalism and discovery that has provided cheap energy for mankind for more than 100 years.

We have a great council this year and I appreciate the "make-it-happen" attitude. This year we focused on providing education and building web content. We also worked to make sure DPA had a presence in AAPG meetings. DPA President-Elect Mike Canich did a great job coordinating and scheduling DPA activities in Section meetings and in AAPG's annual ACE and ICE.

The annual DPA mid-year meeting was held in Tulsa last fall. The key component of the meeting was a review of our strategic/business plan. Our discussions focused on DPA's culture – leadership, professionalism, ethics, certification, networking, education and communication of best business practices.

As a result the DPA council recommended several new programs for membership. The first is to search out active AAPG members and ask them to join with an invitation from three DPA members. The second program is to attract young professionals to join DPA. Greg Herbertson and Don Burdick are co-chairs for membership, and recently they sent an "invitation to join" letter to eligible YPs. The third program is a reception to be held around the country for DPA members and potential YPs culture – it is called "Pass the Baton." Membership numbers are relatively flat this year at approximately 2,600, so we need support by all members in recruiting.

Another key discussion item this year is how to make DPA more viable outside of the United States. The status of certification was discussed especially how it relates to geoscientist worldwide. The general consensus is DPA needs to brand its business and professional expertise to non-U.S. professionals.

As part of our program to extend our geographic reach we held several AAPG DPA Playmaker programs, guided by Charles Sternbach as chair of DPA forums and meetings. We had a great program in Midland with Mike Party as chair. Almost

300 attendees attended this meeting due to the excellent program. Outside of the United States we held good Playmaker programs in London on March 2 and in Calgary on March 31. The price of oil hit us pretty hard and we had lower than expected turnout on both of the meetings outside the United States; however, those who attended loved the product and we were able to record the Calgary Playmaker for review.

Also in late February we held our annual Reserves Forum in Houston. Eleazar J. Benedetto-Padron and his volunteers worked hard to develop a good program. Registrations were down but we still had 80 attendees present and 26 attended a following class by John Etherington.

This year our education program is primarily focused on the ACE 2015 meeting in Denver. Mark Gallagher and Bob Shoup are co-chairs this year of the DPA Education Committee and they worked with Bob Goolsby in Denver to develop three good programs on ethics, professionalism, and geosteering.

Regarding governmental affairs, the DPA held several discussions through the year about the support and funding of the AAPG Geoscience and Energy Policy Office. There was general consensus that it was good to educate congressional staffs on resource issues but we would like to be more effective and need better communication. We will review our support at ACE 2015.

With the downturn this year, DPA is following several paths to provide support for our members and Young Professionals. We are developing a two-fold strategy: (1) short-term "triage" support, and (2) longer term career management. For short-term support we are developing a toolbox that everyone should prepare in the event of a layoff. The toolbox contains items such as personal contacts, updated resume, and other private information such as agreements. Longer-term support is primarily developing a personal strategy for our careers. We will use the DPA website to distribute much of this information.

Another important program this year is work on our website rebuild. Dianna Phu is the DPA point person on this program and we are told the new website will be finished this summer. At that point we will be better able to serve our members.

In addition we made several recommendations this year on bylaw changes primarily to make DPA certification more compatible in the event

of potential reciprocity with state licensing. Mike Canich and Rick Erickson did most of the work on the bylaws.

It is the "Culture of Greatness" of our collective professions that initiated the resource plays in the past decade. I think this is no accident. I believe it is the "culture" in our profession to be inquisitive, aggressive and searching that led to resource plays and will lead to future discoveries. I want to thank all of the DPA leadership and staff for their resourceful support and work this year. I want to especially thank Val Schulz for her work on Honors and Awards, and Sarah Stanley for all of her work as editor of the *Correlator*. It is a privilege to serve and work with such a group of great geoscientists.

Finally, I end my report with a list of the top 10 reasons to be a member of DPA. I think this list is important to keep in mind as it defines our culture.

**Rick Fritz, President**

### Top 10 Reasons to Be a Member of DPA

10. Professional resources culture – DPA is the largest division with AAPG and has many resources at its disposal including the human resources provided by Divisions Manager Norma Briggs. Norma can help with any information on professional development and governmental affairs.

9. Governmental affairs culture – the AAPG Geoscience and Energy Policy Office was developed and strongly supported by DPA members. It has been successful in developing relationships with Congressmen and education for Congressional professional staffs. The Geoscience and Energy Policy Office also keeps AAPG members informed on government affairs and trends that can impact our business including international applications.

8. Access to professional publications, newsletter, and website. The purpose of the DPA *Correlator* is to provide current information and issues on professional activities for all DPA members. In addition the DPA has published a few key publications in particular the popular *Heritage of the Petroleum Geologist*, which is regularly provided to students and young professionals.



7. Continuing education culture – DPA offers Professional Development Hours (PDHs) through short courses usually held at the AAPG annual meeting or at Section/Region meeting. Examples of DPA short courses are Black Belt Ethics and Geosteering.

6. Conferences culture – DPA is providing new opportunities for professional development in the form of the Playmaker conferences. The primary purpose of Playmaker forums is to bring leaders from industry to present their ideas, successes and even failures in developing new plays. A secondary purpose of Playmaker is to provide training for professionals in prospect generation and presentations.

5. Career development culture – a key purpose of DPA is to provide mentors to help guide professionals in their careers. Support is provided by a community of top professionals with knowledge and opportunities for development. This is a great area for young professionals to plug into DPA.

4. Networking culture – one of the most important aspects of DPA is the opportunity to make and build business contacts. Many DPA members are active explorers and we have a heritage of success in business.

3. Ethics culture – Professional values are an important aspect of DPA certification and it is important for DPA to promote a “gold standard” for ethics within our industry. The DPA offers short courses and online training for ethics.

2. Certification culture – the original purpose of DPA was certification for petroleum professionals. Unlike government certification DPA provides peer certification. This is an important distinction. Whereas government certification is primarily for control

and taxation of professionals, DPA exists to support and promote its members.

1. Leadership! All of the above is about leadership. Since DPA was formed many of AAPG past presidents were DPA members. Many of AAPG’s leadership positions are held by DPA members.

## Energy Minerals Division

The purpose of Energy Mineral Division (EMD) is to advance the science of geology as it relates to unconventional energy and alternative energy resources.

Unconventional Resources Group	Alternative Resources Group
Coalbed Methane Gas Hydrates Tight Gas Sands Shale Gas & Liquids Bitumen & Heavy Oil (Oil Sands) Oil Shale	Coal Uranium (Nuclear Minerals and Rare Earth Elements) Geothermal Energy <b>Supporting Committees</b> Energy Economics & Technology Publications

We are arranged in two groups and two supporting committees:

During the past year, EMD has experienced a downturn in membership of approximately 16.6% of the previous year’s paid membership. Most of the decrease was seen in the student and young professionals (–448, or –8.93%), with a less decline in associate (–197, or –3.92%) and Active (–184, or –3.66%) members. One identified hindrance has been that the EMD website’s home pages have not been updated, although we hope that these revisions will be forthcoming in the new fiscal year. This is a vital part of our division – and is the one doorway that all the technical information on “Unconventional Energy Resources” is made available to the world – (one through the public and one for EMD members only, <http://emd.aapg.org>). Another issue, which has been raised a number of times, is the proposal to change the division name to truly reflect the types of commodities we are dealing with – the unconventional energy and alternative energy resources.

### Achievements

The EMD co-hosted a very successful symposium on oil sands and heavy oil with the Canadian Society of Petroleum Geologists, the AAPG Canada Region and the AAPG (with a net profit to AAPG of approximately \$40,000). Over 300 people attended and participated in this event, which was held October 2014, in Calgary, Canada. The title of the symposium was “Oil Sands & Heavy Oil Symposium: A Local to Global Multidisciplinary Collaboration,” and it covered the whole gamut of world-resource/reserves, reservoir characterization and development, new technologies, environmental

concerns, social licence, and aboriginal liaisons. Representatives of AAPG EMD have attended and participated in URTeC; the Eastern Section AAPG 42nd annual meeting; the Bakken/Three Forks Geoscience Technology Workshop; and the AAPG ICE in Australia and the AAPG ACE in Denver.

EMD is continually looking for new AAPG publications to help sponsor, if needed. Requests for financial assistance can be made to the EMD by sending a letter to the president or vice-president, who will bring it to the EMD EC for consideration. At present, we are not supporting any technical publications on these topics for AAPG.

The Denver ACE was a major success, with large support from EMD. EMD hosted one field trip, one short course and a large number of sessions (both poster and oral) at the convention. Fran Hein, president of EMD, presented the EMD luncheon talk, “Oil Sands: Big Challenges, Big Rewards.” Initial planning is under way for the Calgary ACE in 2016, with EMD co-chair Sharleen Overland assigned to the planning committee.

### The Future

EMD is planning to reach out to all AAPG members and make them aware of our existence through email blasts, website postings, and next year through social media, such as LinkedIn accounts. We hope that by engaging people at all levels and through all media we will continue to grow as a vital division that is building our unconventional energy strategy today and into the future.

**Frances J. Hein, President**

## Europe Region

The last 12 months have been another successful year for AAPG in the Europe Region. This period has also been a challenging time for our industry as a whole, the consequences of which have been well documented. The Region has risen to these new circumstances, and the London office is to be congratulated on delivering an uninterrupted flow of services and events to our members during such a time of change.

The year can be summarized by the following highlights:

- The Region hosted the second ICE in the Europe Region in three years, this time in Istanbul, hosted jointly with the Middle East Region.
- The team from Royal Holloway, University of London, representing the Europe Region, won the global AAPG/AAPG Foundation Imperial Barrel Award (IBA) competition at the 2015 ACE in Denver.
- The contribution of the Region's members to both the AAPG and the global geoscience community in the fields of exploration, education and the media were recognized at the annual AAPG awards program.
- We held a very successful regional conference in Lisbon, a new location for AAPG events, which I am sure we will return to in the future.
- Two APPEX meetings and two GTWs were held in the Region – and attendances at all events held up well despite the challenging times for the industry.
- The Europe Region IBA competition continued to extend the AAPG footprint with new university teams from across the Region competing for the first time.
- Regional membership continues to grow – with the initiative to transfer to full membership utilizing personalized messaging from the president already showing positive results.
- The range and number of geoscience topics and events continued to broaden and expand in more locations throughout the Region.
- The Region continued to modernize and globalize its procedures and events with an increasing number of Student Chapters and more Young Professionals serving the organization as officers.

Throughout the year I have continuously canvassed the views of our members and encouraged all members of the Regional

Council to do the same as we strive to deliver the products and services that our membership requests while balancing this goal with those of the larger organization. Our two guiding principles continue to be the delivery of great geoscience to our members while safeguarding the future health of AAPG with a clear focus on recruitment and there are clear indications of success in both of these areas.

During the year the region held two geoscience technical workshops (GTWs) in Sicily and England. The former focused on fractured reservoirs and included two excellent field trips that were both filled to capacity. The latter was a well-received core workshop held in collaboration with the British Geological Survey, which also hosted the event at their core facilities in Keyworth, England. We are planning further core based GTWs and events in collaboration with affiliated societies such as the PESGB in response to feedback from our members in the Region. The global APPEX meeting in London is now a well-established event in the oil industry calendar as evidence by the numbers attending in this challenging year and we also held a further regional APPEX meeting coinciding with the ICE at Istanbul. Our mission to deliver great geoscience was further augmented by two very successful Distinguished Lecturer tours by Ken Miller and Pat Corbett, who between them visited 18 cities across the region.

Our activity plan for the next year will continue to focus on geoscience delivery and respond to feedback from the membership on the subjects to be covered and nature of delivery. Future GTWs in Italy and Bucharest are planned, in addition to core workshops in Warsaw, Stavanger, and the United Kingdom; we also plan to instigate a series of global "Basin Mastery" short courses in conjunction with the PESGB, which will host the events in their facility south of London. We will support the 3P Arctic conference in Stavanger, hold the annual global APPEX meeting in London and co-host an APPEX meeting focused on Africa with the Africa Region in Nice, France. These activities will be in addition to our annual Region conference and exhibition in Eastern Europe, possibly Belgrade, our self-funded IBA competition and our expanding Distinguished Lecturer (DL) and Visiting Geoscientist (VG) programs.

Our focus on the recruitment of the petroleum geoscientists of the future has led to a significant increase in the number

of student chapters in our region and our provision of over 32,000 euros to support student awards and events throughout the region. We plan an equally successful self-funding IBA regional final in Prague next year, an extension of our DL program and a revitalized VG program, as these act as some of our most effective recruiting tools. The global initiative to encourage associate members to transfer to full membership, although launched during an industry downturn, already has proven successful and I have been delighted to sponsor an increasing flow of associates to full membership.

I am continually impressed by the commitment of our members and volunteer officers and was delighted to see that this was recognized by the global AAPG leadership with the award of Distinguished Service awards to two members from the Europe Region, Gabor Tari, and Peter Wigley. The continued contribution of Region members to excellence in geoscience was demonstrated by the Norman Foster Explorer Award being bestowed on Hans Ronnevik from Norway; the Grover Murray Award for Education being awarded to Paul Wright from the United Kingdom; and the Geoscience in the Media Award being received by Professor Iain Stewart, also of the United Kingdom.

Unfortunately, this otherwise excellent year for the Region ended in great sadness with the news of the passing of our much-valued friend and colleague, Vlasta Dvorakova. Vlasta was a stalwart of the AAPG, and Europe Region in particular. The expansion of the AAPG across Eastern Europe has much to do with the energy and commitment of Vlasta over the years. Vlasta's commitment to the geoscientists of the future was never better demonstrated by her support of the Europe Region IBA finals, which has been hosted in Prague in the country of her birth for many years now. The award for winning the Europe Region finals will now be named in her honor. I am confident that this has the backing of all members in the Region and it will serve as a fitting tribute to a very special person we all feel privileged to have known.

Our goals for the future are clear:

- We will continue to improve and expand the dialogue with our members and evergreen the value proposition of AAPG membership.
- We will deliver great geoscience and expand our services in response to

demands from our membership and use the full range of methods and means at our disposal to do so.

- We will support all moves to make the organization more modern and efficient.
- We will continue our recruitment drive to ensure the future health of the global AAPG organization.

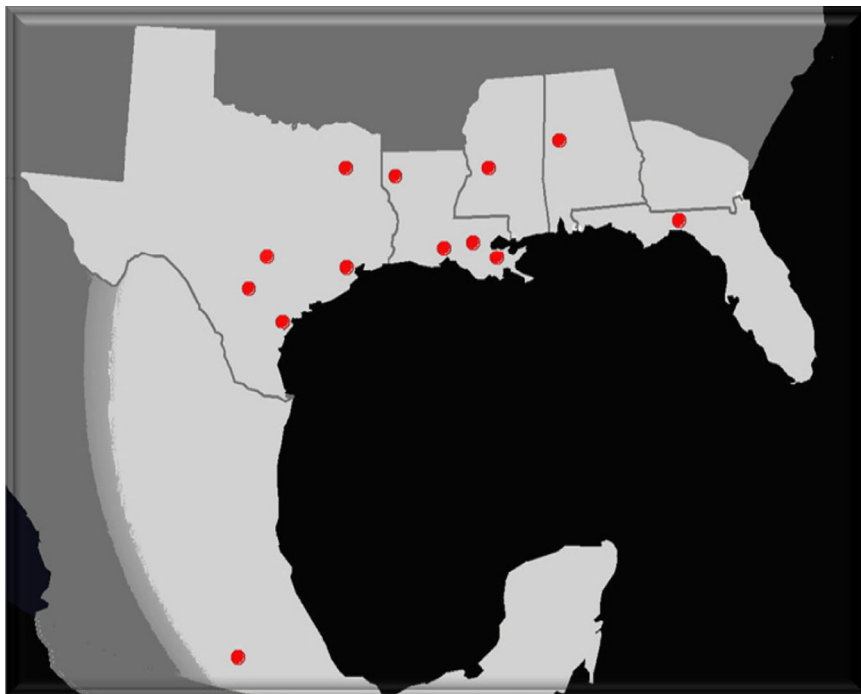
**Keith Gerdes**

## Gulf Coast Section

The Section consists of 13 affiliated member societies. This year the theme is "United we learn, united we explore."

Member societies include: Asociación Mexicana de Geólogos Petroleros, Alabama, Austin, Baton Rouge, Corpus Christi, East Texas, Houston, Lafayette, Mississippi, New Orleans, Shreveport, South Texas and Southeastern.

We are looking into the possibility of forming a one-membership application to allow members the opportunity to join multiple Gulf Coast Association of Geological Societies (GCAGS) without filling out many applications.



<http://www.gcags.org/About%20GCAGS/Benefits.of.GCAGS.html>  
<http://www.gcags.org/>

### GCAGS Activities

Each year, GCAGS awards approximately \$20,000 in student research grants. Each year, GCAGS awards two faculty research grants totaling \$10,000. GCAGS supports the development of the AAPG/AAPG Foundation IBA Program, Young Professionals, and Student Chapters. Each fall, the GCAGS holds its annual convention and publishes an extensive volume of its *Transactions* and *GCAGS Journal*. Future Annual Convention locations include 2015: Houston; 2016: Corpus Christi; 2017: San Antonio.

### Best Practices

Convention Operations Manual, President's Manual, Continuity Committee, Annual publication of the *GCAGS Transactions* and *GCAGS Journal*, student and faculty grants, long-standing board members – executive director, GCAGS treasurer, Continuity Committee chair, contracted convention service providers – GEM and Delta Azimuth, great website!

### GCAGS Web Page Features

President's welcome letter, link to letter specifying GCAGS member Benefits, member society news and events:

<http://www.gcags.org/About%20GCAGS/Letter.from.the.President.html>

### Member Benefits

(1) Annual Convention and Exhibition, (2) Society Representation, (3) AAPG Advisory Council representation, (4) student and faculty grants, (5) scholarship fund \$195,500, (6) Student Chapter leadership, (7) advertising, (8) Imperial Barrel Award, (9) Honors and Awards, (10) Teacher of the Year Award, (11) *GCAGS Transactions*, (12) *GCAGS Journal*, (13) [www.gcags.org](http://www.gcags.org/), and (14) Social Media

### Annual Convention

The 65th annual GCAGS Convention 2015 was held September 20-22 at the George R. Brown Convention Center, Houston. The meeting's theme was "Discovery, Technology, Leadership, Education." Houston leads the way with headquarters for many companies and universities focused on technology and exploration.

The GCAGS 2015 Annual Convention Committee worked to engage the powerhouse known as the SEG/AAPG Student Expo. Both events occurred in contiguous convention space with a day of overlap. GCAGS seasoned professionals rubbed elbow with about 800 bachelor's, master's and doctorate degree geoscientists looking to enter our industry.

Many students could attend the entire convention at a special rate (\$35). Through special funding, students could attend for only one day to fully participate on the Tuesday overlapping the two events.

The Technical Program was strong with approximately 100 oral presentations, 86 Poster presentations (67 student and 19 professionals), three special forums, seven field trips and nine short courses.

Technical sessions covered two days and included the session titles:

- Gulf Mega-Regional Seismic Interpretation
- U.S. Gulf Deepwater Fields I
- Salt Tectonics – Gulf of Mexico and the World
- Caribbean And Colombia Exploration
- Extracting Hydrocarbons From Source Rocks
- U.S. Gulf Deepwater Fields II
- Geophysical Problem-Solving Technology
- Global 3D Seismic Studies (GCSSEPM)
- Mexico Exploration and Opportunities
- Rock Samples and Reservoir Analysis.
- Advanced Studies of Petroleum Systems
- Onshore Gulf of Mexico Exploration.
- Groundwater Environmental Case Studies
- Onshore Gulf of Mexico Exploration II
- Environmental and Coastal Geology.
- Chemostratigraphy and Paleontology
- Seismic Attributes and Geophysical Technology
- New Ideas In Mapping and Exploration



### Special Forums

- Education and Leadership Forum (Charles Sternbach). Forum description: The Gulf of Mexico (GOM) is one of the richest hydrocarbon provinces in the world, a “fertile crescent” of resources, technology and ingenuity. Globally recognized experts on the GOM presented foundational and timely talks of great interest to experienced and young professionals alike. Topics included: New rules in Mexico, turbidite reservoirs, regional structure, deepwater depositional systems, story of success and new work flows in the Eagle Ford shale and carbonate reservoirs.
- Geologists as Leaders In Finance, Banking and A&D, chairs Steve Brachman and Jeff Lund.
- Scott Tinker, Tom Tinker and Nathan Tinker: Geo Generations, 60 Years in the “Patch” and Counting, Panel Discussion (Charles Sternbach, moderator).

### GCAGS Luncheon

- All Convention Luncheon, Monday Sept. 21, 2015: “Chevron’s Key Discoveries and Developments in the Deepwater Gulf of Mexico, a Story of Steady Growth,” speaker: Steve Thurston, vice president, Chevron North America Exploration and Production Company.

- DPA Luncheon, Tuesday, Sept. 22, 2015: “How to Survive and Thrive in Good Times and Bad,” speaker: Charles Goodson, CEO of PetroQuest.
- GCSSEPM Luncheon, Tuesday, Sept. 22, 2015: “Model the Rock! Using Diagenesis Simulation for Rock Property Prediction,” speaker Rob H. Lander, Geocosm.

### Field Trips

- Trip #1: Upper Cambrian Microbial Carbonate Mounds in Central Texas.
- Trip #2: Eagle Ford Unconventional Reservoir Field Seminar.
- Trip #3: Geology of Canyon Lake Gorge.
- Trip #4: Spindletop Oil Field – Gladys City Boomtown Museum.
- Trip #5: Galveston and the Brazos Delta as Reservoir Analogs.
- Trip #6: Hands-On Geophysical Data Acquisition – Characterizing Shallow Gulf Coast Sediments. Using Cuttings, Well Logs, and Seismic Surveys.
- Trip #7: Field Work on Active Faults in Houston.

### Short Courses

- Gulf of Mexico Primer: Regional Overview of the U.S. Deep Water Gulf of Mexico
- Geosteering for Young Professionals

- Core Workshop: Woodbine Sand and Eagle Ford Shale
  - Rocks in Your Head (for teachers)
  - Introduction to Regional and Play Based Exploration
  - Introduction of Reservoir Fluid PVT Analysis for Geologists
  - AAPG Imperial Barrel Award Competition Training (students only)
  - A User’s Guide to Exploration and Production Biostratigraphy
  - Handheld X-Ray Fluorescence (XRF) Chemostratigraphy: Theory and Application to Mudrock Drill Core and Cuttings
- Future GCAGS conventions are planned for Corpus Christi, Texas, Sept. 17-20, 2016, and San Antonio, Texas, Oct. 14-17, 2017.

### Imperial Barrel Award

The GCAGS held the section’s 2015 Imperial Barrel Award competition on Friday, April 17 at the Schlumberger SIS facility in Houston. Eleven teams took part in the competition. The University of New Orleans placed first, University of Louisiana, Lafayette placed second, University of Texas at Austin and Stephen F. Austin State University tied for third. The GCAGS is extremely proud of the students



**The GCAGS Leadership Team, April 10, 2015, Houston mid-year meeting**

from New Orleans (Christopher M. Johnson, Elijah Adedeji, John Kramer, Joseph Frank, Joshua Flathers) and their faculty advisor, Dr. Royhan Gani.

### Financial Status

GCAGS is in fine financial condition. Successful past annual conventions, secondary income from publication sales and investments, and a likely strongly positive revenue convention in Houston this year provide a bit of a cushion. The GCAGS anticipates a continuation of the support for existing programs to students, faculties, schools and affiliated societies.

### Governance

The GCAGS leadership team consists of representatives from each of the 13 affiliated societies, nine committees, two members of the AAPG Advisory Council, past, current and future general chairs for the annual meetings, vice president, past president, treasurer, secretary and treasurer for the annual convention, AAPG headquarters staff liaison, and an executive director. GCAGS meets twice a year for a mid-year and annual meeting (at the convention).

**Charles A. Sternbach, President**

## Mid-Continent Section

The officers of the Mid-Continent Section have focused their efforts on producing events that are relevant to the AAPG members who reside or explore in our geographic area. We also focus on using the money raised through the events and donations to help fund student scholarships or other education related items.

### Events

Pass The Baton Event (10/7/2014): Held in Tulsa and co-sponsored with the Tulsa Geological Society and the DPA, the event brought together more than 50 geologists to talk about careers paths and options, with a focus on helping younger geologists.

Biennial Field Conference (10/17-19/2014): Hosted by the Ardmore Geological Society and held in Ardmore, Oklahoma, with a focus on the geology of the Southern Oklahoma Aulacogen.

Imperial Barrel Award Competition (3/28/2015): Held at the Devon Tower in Oklahoma City. Winners are 1st Place – University of Oklahoma; 2nd Place – Oklahoma State University; 3rd Place – University of Nebraska.

Biennial Section Meeting (10/4-6/2015): Held in Tulsa, with the theme “The Art Of Discovery.”

### Financial Disbursements

Tulsa Geological Science Center – \$6,500  
Panhandle Geological Society for matching scholarships – \$2,000  
Oklahoma City Geological Society for matching scholarships – \$9,000  
Nebraska Geological Society for matching scholarships – \$2,000  
Teacher of The Year awards – \$3,000

### Officers

President – Donald Burdick  
Vice-President – Hugh “Dub” Peace  
Secretary – Doug Davis  
Treasurer – Sarah Flynn

**Donald G. Burdick**

## Rocky Mountain Section

The Rocky Mountain Section of AAPG represents members of AAPG through the 12-state area of the Rocky Mountains. There are 11 affiliated societies within this area.

### Officers

President: Sue G. Cluff  
President-Elect: Catherine Campbell  
Secretary/Treasurer: Andy Hennes  
Secretary/Treasurer-elect: Julia LeMaster  
Past President: C. Elmo Brown

### Annual Meetings

The Rocky Mountain Section did not hold a Section meeting this year, as the Rocky Mountain Association of Geologists hosted the ACE meeting in Denver, May 31-June 3, 2015. The schedule for future annual meetings includes:

- The Rocky Mountain Section and Pacific Section will co-host the 2016 meeting on Oct. 2-5 in Las Vegas, Nevada. The RMS affiliates hosting are the Nevada Petroleum and Geothermal Society and the Idaho Association of Professional Geologists.
- The Montana Geological Society will host the 2017 meeting in Billings, Montana, June 25-27.
- The 2018 AAPG ACE meeting will be in Salt Lake City, hosted by the Utah Geological Association, so there will be no RMS Section meeting that year.

- The Wyoming Geological Association will host the 2019 meeting.

### Awards

At the 2014 Rocky Mountain Section meeting a number of awards were presented:

- Lehi Hintze received the Robert J. Weimer Lifetime Contribution Award (posthumously).
  - Ed Dolly received the RMS-AAPG Distinguished Service Award.
  - Robert Schalla and Eric Johnson received the Rocky Mountain Landmark Publication co-editors.
  - The A.I. Levorsen Award for best oral presentation of 2013 was awarded to Robert L. Baskin.
  - Robert Bereskin was awarded the Steve Champlin Memorial Award for best poster in 2013.
  - Elena Finley and Steve Sonnenberg won the Runge Award for best student presentation.
- Annual awards presented at the 2015 ACE were:
- Don Cardinal received the Robert J. Weimer Lifetime Contribution Award.
  - Steve Schamel was recognized for Distinguished Service to the RMS-AAPG.
  - Leigh Price (posthumously) and Julie LeFever received the Landmark Publication Award.

### New Award

We have started a new award this year, Outstanding Young Professional, to recognize the YPs who have made significant contributions. Our first awardee is Cassandra Sendziak.

**Teacher of the Year** – This year the Rocky Mountain Section chose Jaqueline Bath of Highlands Ranch, Colo., as our teacher of the year. She also was chosen as the AAPG Foundation Teacher of the Year.

### Foundation

Last year (through September) the RMS-AAPG Foundation granted just under \$30,000 to various events and functions relating to the affiliated societies of the section. These grants supported AAPG Distinguished Lecturers, field trips, publications, AAPG student chapters, and K-12 teacher and student activities. Grants for popular geology projects like displays at the natural history museum in Albuquerque, New Mexico, and the state geologic map of Idaho were also given.

## Outreach

The Rocky Mountain Section has decided to continue visits to various affiliates so that we can keep communication between RMS and the affiliates open and foster better participation of members throughout the section. The section also continues to support our student chapters (currently there are 14) and the AAPG/AAPG Foundation Imperial Barrel Award competitions.

**Suzanne G. Cluff**

## Southwest Section

The Southwest Section (SWS) had another great year in 2014-2015, despite falling oil prices for almost half of it.

Once again the Bill Hailey Memorial Short Course was held in Abilene and Fort Worth in January, with more than 300 SWS members attending between the two locations. This is an annual course offered free to all SWS members, including students attending universities in the SWS. It is hosted in two locations to make it easily accessible to a large portion of the Section membership. This year the course was "Carbonate Depositional Systems," presented by Art Saller.

The SWS has had two annual meetings since the last annual report:

- In May 2014, WTGS hosted a very successful 2014 meeting in Midland, Texas.

- In April 2015 the NTGS hosted the 2015 annual meeting in Wichita Falls, Texas.

Low oil prices greatly impacted the 2015 meeting's attendance, sponsorships and exhibitors. But even with the low attendance, the meeting was upbeat and had excellent technical presentations and some very enjoyable social events. Over 10% of the attendees were students with several contributing oral and posters presentations. With the support of loyal sponsors, exhibitors, oral and poster presenters and especially attendees, the meeting was a success for the SWS and NTGS.

In 2015 the SWS awarded scholarships to six students attending universities in the Section. The SWS also made grant money available for student presenters at the SWS annual meeting the last two years. We feel this has encouraged more participation by students at these meetings. The SWS is very proud of our 12 active AAPG student chapters.

The SWS hosted the SWS IBA competition at Brookhaven College in Dallas on March 28, 2015. Teams from seven universities registered and five competed, with the University of Texas-El Paso taking first place.

The YP groups in the SWS, especially Dallas, Fort Worth and Midland, Texas, appear to be doing well. The SWS was very fortunate to have YPs make up almost 25 percent of our various committees' positions in 2014-15.

The SWS continues to explore ways to further involve students and YPs in the activities of the SWS.

SWS Awards presented at 2014 annual meeting were

Monroe G. Cheney Science Award – Dave Feavel  
John Emery Adams Distinguished Service Award – Charlotte Klenk  
SWS Special Commendation Award – Sam Samford  
Distinguished Educator Award – John Wickham (UT-Arlington)  
A.L. "Al" Cox Best Poster Award – Jonathon Bogacz  
A.I. Levorsen Memorial Award – Thomas Ewing

SWS Awards presented at 2015 annual meeting were

Monroe G. Cheney Science Award – Gregg Norman  
John Emery Adams Distinguished Service Award – Darrell Mauldin  
Distinguished Educator Award – Joe Satterfield (ASU)  
A.L. "Al" Cox Best Poster Award – Richard C. Geesaman  
A.I. Levorsen Memorial Award – Timothy R. McGinley

I want to thank the board and all of the committee members for making this another great year for the Southwest Section.

**Jeff Ritchie, President**

## Astrogeology Committee

*The Astrogeology Committee provides AAPG members a forum for ideas on astrogeology and its relationships to terrestrial geology, energy and other issues. Efforts include organizing symposia at various meetings, recommending speakers for distinguished lectures, encouraging poster sessions on astrogeology at earth science meetings and acting as liaison with groups having similar interests, such as NASA, ESA and other international space entities. The Committee encourages digital and/or paper publications on astrogeology and related subjects. All who are interested in astrogeology, planetary science, and their application to energy, environmental, and other resources are invited to join the Astrogeology Committee.*

### Relevance

The Astrogeology Committee supports the development of space resources. Comet composition provides a starting point for understanding the origin and evolution of Earth's oceans. 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.

### Major Goal in 2015-2016

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 \$10-17 billion industry per year, with 8%-15% annual growth rates. SpaceX is developing the Falcon 9 and Dragon launch systems with Orbital Sciences contributing equipment and services. Lockheed-Martin and other firms are expanding launch capabilities.

### Other Activities

1. Arranging symposia at AAPG conventions that emphasize astrogeology and exploration for energy resources.
  - Bruce L. Cutright and William A. Ambrose co-chaired the astrogeology session "New Views of

the Solar System" at the 2015 ACE in Denver. Topics included terraforming and human exploration of Mars, advanced technology for research of the interior of the Moon, and organic geochemistry of the asteroids and comets. Attendance for most presentations at the session exceeded 150 persons.

2. 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. Matt Duncan, Astrogeology Committee student liaison, and Committee Co-Vice Chair Darwin Boardman lead these efforts.
3. Bruce Cutright and Co-Chair James F. Reilly II are spearheading efforts to illustrate potential benefits and issues in space exploration for the AAPG membership with a space-policy paper titled "Why Should the AAPG be Interested in Space Exploration?" Issues explored in this paper include how space exploration is related to our profession of finding, developing, and supplying energy and mineral resources to the world marketplace, as well as developing economic incentives for space exploration and development of space resources.

### Astrogeology Committee Membership and Leadership

Jim Reilly and William Ambrose served as co-chairs. Darwin Boardman and Doug Peters served as co-vice chairs. Harry Mueller served as the vice chair for 2015 ACE in Denver, with Doug Peters as facilitator. Matt Duncan is student liaison, Ronald Hart is AAPG staff liaison officer and Laura Zahm is committee manager. Richard Ball is AAPG EC liaison.

### Website:

The Astrogeology Committee's website includes our 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 Janet Brister at AAPG who designed, created and updates the

website: <http://www.aapg.org/committees/astrogeology/index.cfm>.

**William A. Ambrose and  
James F. Reilly II, Co-Chairs**

Committee members: William A. Ambrose (co-chair) David B. Buthman, James L. Conca, Bruce Lee Cutright, David Eugene Eby, Stacey Coleen Evans, Sean Sandifer Gulick, Ronald L. Hart, Arthur H. Johnson, David T. King, Jr., Heather L. LaReau, Martin L. Messmer, Karl Steven Osvald, James F. Reilly II (co-chair), Kadira Analisa Singh, Linda Raine Sternbach, Kenneth Lee Wright, and Laura Cutright Zahm

## House of Delegates Constitution and Bylaws

The Constitution and Bylaws Committee completed a review of six proposed bylaws amendments that it received from the AAPG Executive Committee. After much discussion the amendments were modified, as deemed appropriate, and approved by the committee.

The proposed changes were distributed to members of the House in early March and published in the April edition of the Delegates Voice. The proposals were presented to the House at its annual meeting on May 31, 2015, and the results of the vote are summarized here.

### ARTICLE II: SECTION 11 – Election of Officers

Purpose: The ability of the Executive Committee to approve a single candidate for election to the post of Editor.

Motion failed

### ARTICLE II: SECTION 12 – Vacancies

Purpose: The ability of the Executive Committee to approve a candidate to fill a vacancy occurring in the office of Editor.

Motion passed

### ARTICLE II: Section 11 – Election of Officers

Purpose: Reduction of the election timetable by 4.5 months in order that it takes place between mid-November and mid-May, within one fiscal year.

Motion passed



## **ARTICLE II: Section 15 – Limitations on Nomination and Honors and Awards**

Purpose: Correcting references to Article II, Section 14, sub-section (a)  
Motion passed

## **ARTICLE VI: SECTION 1 – United States Sections and International Regions**

Purpose: Modification of Region names to those in common use, and changing the name of the Mexican, Central American and South American Region to Latin America and the Caribbean Region.

Motion passed

## **ARTICLE VI: SECTION 3 – Technical Interest Groups and Special Interest Groups**

Reason: Additional section to allow the establishment of Special Interest Groups (SIGs) and Technical Interest Groups (TIGs)

Motion passed

I would like to express my thanks to the members of the Constitution and Bylaws Committee for their rapid review and input to the proposed changes as they evolved through the year.

I also would like to thank the members of the Executive Committee and other interested parties for their thoughtful opinions and support.

**Dave Cook, Chair**

## **Ethics**

*The Ethics Committee is charged with investigating and prosecution of charges of misconduct by AAPG members who are in violation of the AAPG Code of Ethics. Charges of misconduct in violation of the code of ethics (Article IV) of the AAPG Constitution must first be submitted in writing to the Executive Director at Association headquarters with a statement of the evidence on which the charges are based. The Executive Director submits the charges to the Ethics Committee of the Association which is a standing committee and which consists of five (5) members of the Division of Professional Affairs. The AAPG Executive Committee appoints the members of the committee for staggered three (3) year terms.*

*The Ethics Committee may conduct an investigation to reasonably and thoroughly investigate the charges. If in the judgment of the Ethics Committee and after consultation with AAPG legal*

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

*The Ethics Committee is also charged with locating and designating a Distinguished Lecturer on Ethics with that person being part of the AAPG's Distinguished Lecturer Program. The Committee shall biennially place in nomination one (1) or more persons who would be willing to provide lectures on the topic of professional ethics and select, by a simple majority committee vote, one (1) person to serve in that capacity.*

The Ethics Committee did not have any formal complaints of ethics violations brought before it as of April 2015. Donald Clarke wrapped up his tour as the Ethics Lecturer on May 31, 2015. Planning is under way for the Distinguished Lecturer for the July 2015-June 2017 tour. Please check the AAPG Distinguished Lecturer Web page for the current lecturer.

I want to thank the 2014-2015 committee members Mike Fogarty, Norman Hyne, Clint Moore, and Bob Countryman. A special thank you goes to John Kaldi (EC liaison), Jim McGay (committee manager) and David Curtiss (staff liaison).

**Kay Pitts, Chair**

Committee members: Robert Loren Countryman, David Curtiss, David A. Dolph, Norman John Hyne, Peter Mark Lloyd, James S. McGay, Kay L. Pitts (chair), and Vaughn Grant Thompson (vice chair),

## **Geophysical Integration**

*The function of the Committee on Geophysical Integration 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 in seeking authors for technical papers for the Bulletin demonstrating the importance of geophysical integration. The Geophysical Integration Committee also recommends candidates for editor for the Geophysical Corner published in the 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 inter-society cooperation with other geophysical societies, such as SEG, EAGE and AGU.*

*To accomplish these goals, the GIC is organized into three sub-committees:*

- 1. AAPG/SEG Joint Sessions*
- 2. Publications*
- 3. Symposia and Workshops*

In the past few years, the Geophysical Integration Committee has done tremendous work for many joint activities between AAPG and SEG, in which the birth of Interpretation, a peer-reviewed journal for advancing the practice of subsurface interpretation is a great example. Here are some highlights of the 2014-2015 activities of the Committee:

- 1. Created theme 9 for 2014 AAPG ACE in Houston on Geophysical Methods for Exploration and Production. This theme focused on established innovative technologies and techniques used in geophysical interpretation, data acquisition, and data processing. Session topics covered the multi-faceted aspects of global conventional and unconventional oil and gas exploration. The Committee reviewed all the submitted abstracts and organized/chaired technical sessions on geophysical related topics for 2014 ACE in Houston.*
- 2. In order to help the geologist understand the seismic data and the physics behind, we organized a geophysical short course pre-convention in 2014 AAPG ACE on "Seismic Interpretation Pitfalls Caused by Fresnel Effects, Anisotropic Effects, and/or Velocity Effects, and How They Influence Seismic Imaging in Time and Depth" presented by Leon Thomsen (Delta Geophysics, Houston) and J. Bee Bednar (Panorama Technologies, Houston). This short course attracted a good number of people to attend.*  
<http://archives.aapg.org/houston2014/shortcourses.cfm>

3. The committee members joined with SEG Earth Model Committee to organize a SEG IQ Earth Forum 2014 for three days on "Effective Interpretation for Conventional and Unconventional Reservoirs" <http://www.seg.org/events/upcoming-seg-meetings/iqearth-galveston14>
4. Huyen Bui, Chair of GIC attended AAPG Leadership Days 2014, Snowbird, Utah, from Aug. 8-10, 2014.
5. For the AAPG Meeting 2015 in Denver, GIC helped to review the abstracts in Geophysics Theme.

In 2015 the annual meeting of Geophysical Integration Committee (GIC), in Denver during AAPG ACE Convention, the Committee members, AAPG EC liaison (Steve Brachman) and AAPG staff liaison (Ron Hart) reviewed all the activities and achievements of GIC in the past year and proposed some 2015-16 activities and new business as following:

1. Join-Organized the SEG Earth Model Forum 2015 (from GIC's Bob Hardage, Robert Benson, Huyen Bui) in Vail, Colorado, Aug. 2-5, 2015 on "Rendering Rock Properties for Qualitative and Quantitative Interpretation" [www.seg.org/meetings/vail15](http://www.seg.org/meetings/vail15)
2. Organizing a special section on "Unconventional Exploration and Production: Achievements and Remaining Challenges" for *Interpretation* journal (Issue May 2016). The organizers are Huyen Bui (AAPG GIC), Thomas Klopff (AAPG GIC), Hongliu Zeng (AAPG GIC), Robert Wiener (AAPG GIC), Dario Grana (SEG) and Rodney Johnston (SEG) <http://www.seg.org/resources/publications/interpretation/specialsections/2015/2015-unconventional>

In addition to that, the GIC members (such as Linda Sternbach, Hongliu Zeng, Santinder Chopra, Huyen Bui and Malleswara Yenugu) also are involved in organizing the other special sections in the Interpretation journal.

3. The Committee also discussed and proposed Theme 9 for GEOPHYSICS - Integration of Geosciences and Engineering for Exploration and Production Success for the upcoming AAPG ACE 2016 in Calgary, Canada. GIC also discussed and agreed on AAPG-SEG joint workshop on "Unconventional Resources Characterization."
4. The key members, who will lead the GIC sub-committees, are (a) AAPG/SEG Joint Sessions (Bob Hardage, Robert Wiener, Steve Getz, Huyen Bui); (b) Publications (Hongliu Zeng, Santinder Chopra, Huyen Bui, Malleswara Yenugu); and (c) Symposia

and Workshops (Steve Getz, Santinder Chopra, Huyen Bui).

5. The GIC was very glad when Randy Ray, a former chair of GIC, was awarded Distinguished Member by AAPG's HoD at AAPG 2015 in Denver. His great contribution has helped the integration of AAPG and SEG and for the startup of AAPG-SEG *Interpretation* journal. Hongliu Zeng, a GIC member will be a Deputy EIC for Interpretation journal. Randy Ray, Hongliu, Huyen Bui are in editorial board of Interpretation journal.

Besides the key members listed officially on the AAPG website, Geophysical Integration Committee has many other members, who always have innovative ideas and make great contributions for GIC successes. With the support from AAPG, GIC always keeps up the good work to ensure integration is the key component in geoscience for the coming years.

### **Huyen Bui, Chair**

Committee members: Huyen Bui (chair), Steven H. Brachman, Santinder Chopra, Steven Lawrence Getz, Bob A. Hardage, Ronald L. Hart, John E. Jordan, Jr., Thomas Robert Klopff, Robert Arnold Wiener, and Hongliu Zeng

## **GIS Publications**

*The GIS Publications Committee and Datapages, under the leadership of the Elected Editor and geoscience director, solicit and evaluate proposals for publications, recommend standards for format and quality, and ensure quality and rigor through peer review. They*

*1. Improve quality of GIS publications by soliciting many proposals and increasing selectivity from among these.*

*2. Manage expectations for acquiring and publishing GIS material. Develop and implement standards for quality and for technical review.*

*3. Create a global network of GIS committee members and collaborators from industry, academia and geological surveys.*

*4. Partner with the print-focused Publications Committee to produce joint print and GIS projects whenever practical.*

*5. Contribute to the management of consortium funds by providing two AAPG GIS Committee representatives to sit on the OSU-AAPG Consortium Advisory Board; high-grade Datapages and GIS Publications Committee project funding proposals and liaise with the OSU*

*consortium cartography department to ensure production of high quality and timely results.*

## **Accomplishments**

### **Committee Focus**

- Soliciting/peer review/publish externally funded GIS projects
- Peer reviewing/publish projects funded by the OSU-AAPG Foundation GIS/Geosciences consortium.
- Support AAPG Datapages Exploration Objects (DEO-GIS) portal initiative.

### **OSU-AAPG Foundation GIS/Geosciences**

#### **Consortium**

A main focus of the GIS Committee has been to solicit and review projects funded by the consortium. The captured and peer reviewed projects are published to the GIS open-file library and to the GIS-UDRIL/DEO-GIS (subscription) libraries.

Significant operational improvements were realized by the OSU cartography department, leading to a marked increase in productivity and output quality.

However, publishing to the GIS open-file library in a timely manner remains a challenge due to staffing limitations at Datapages.

Completed, published to GIS Open-File library:

- Carter, K.M., 2015, Pennsylvania Digital Oil and Gas Mapping.
- Gosnold, W., 2015, Global Heat Flow database of the IHFC.

- Robertson Tellus Sedimentary Basins of the World, 2015 – updated dataset.

Capture completed, peer review in progress:

- Avari, K.L., 2015, Geology and Maturity of the Devonian Appalachian Shales.

- St. John, B., 2015, Geology of Ethiopia.

Capture in progress, peer reviews planned 2015-16:

- Higley, D., 2015-2016, RMAG "Red Book" Stratigraphic Atlas.
- Ross, M., Bally, B. and Bishop, R.A., 2015-2016, Shell North America Source Rock Atlas.
- Minch, J., 2015-2016, AAPG Geological highway map series (four maps).

### **AAPG Datapages DEO-GIS Portal**

AAPG Datapages successfully rolled out the DEO-GIS portal to industry in 2014. The GIS Publications Committee will provide industry-aligned technical and content guidance to the DEO-GIS team going forward, and aims to ensure all pertinent GIS open-file project data can be discovered via the portal.

## Path Forward

### Challenges

This year has been a time of change for the committee. Long time committee chair, Bret Fossum, has stepped down from being chair. Bret Fossum still serves on the committee, providing a valuable resource to the committee. There is a new committee chair, James McDonald, taking over as committee chair in the middle of the fiscal year. On the OSU side, April Chipman, GIS specialist, left OSU in January 2015. A new GIS specialist, Clay Barrett, was hired by OSU in May 2015. All of these changes provide challenges to the operation and productivity of the committee.

### Summary

Going forward, with the structure and protocols now established to publish serious GIS-based geographic, geothematic and global framework projects, the committee will continue to solicit high-impact projects, with a focus on developing joint publishing opportunities with the USGS, EMD, DEG, and print publications. The committee will also support the new initiative for the establishment and publication of the AAPG "Journal of Data," a publishing umbrella that will encompass not only GIS products but also any digital data deemed important and significant to the advancement of petroleum geosciences.

Lastly, members of the committee are to be commended for their dedication, professionalism and commitment to AAPG, and the development and integration of GIS technology in petroleum geosciences.

### James McDonald, chair

Committee members: Mohd. Zukhairi Bin Abd. Latef, Daniel Scott Beaty, Donald Dean Clarke (committee manager), James Sophocles Cokinos, Joseph William Cross, Andrew Cutts, Bret J. Fossum, Jingyao Gong, Ronald L. Hart (staff liaison), Scott Jean Hills, Kevin C. King, Samuel H. Limerick, Domenico Lodola, Andrea M. Loveland, Gayle H. McColloch Jr., James McDonald (chair), Oliver Nicholas Morris, Ian Norton, Joseph Andrew Ontko Jr., Karl Osvald, Michael L. Sweet (EC liaison), Scott Allen Tiller, Peter Wigley and Gareth Williams.

## Grants-in-Aid

*The purpose of the AAPG Foundation Grants-in-Aid program is to foster*

*research in the geosciences by providing support to graduate students in the earth sciences whose research has application to the search for and development of petroleum and energy-minerals resources, and to related environmental geology issues. A comprehensive and rigorous application and review process identifies the most deserving applicants who are eligible. This year, the maximum grant was \$3,000. The number and total dollar amount of grants is constrained by funding made available by the AAPG Foundation in the form of restricted and named grants and regular funding.*

*The 2015 application class completes the 59th year of the AAPG Foundation Grants-in-Aid program. The program is one of the most competitive and prestigious funding programs in the earth sciences.*

### Awards Summary

2015 was another year of "up," with nearly all metrics exceeding the numbers from 2014. The Committee received 457 applications, up from the 373 applications received in 2014. Applicants from 46 countries were represented this year, up from 43 in 2014.

Restricted and named grants were again awarded this year to the top scoring, eligible applicants. A total of \$239,000 was granted, up from \$207,750 awarded last year. One hundred twenty-one monetary awards, or 26% of the application pool, were made to the top scoring eligible applicants, up from 91 awards in 2014. The average grant was \$1,975.

Forty-five percent of the applications received in 2015 were non-US citizens, up from 39% in 2014. Seventy-four percent of the applicants are attending schools within the United States. However, 85% of this year's awards were made to applicants attending US schools and only 15% to non-US schools. We will continue to pursue avenues to increase the international visibility of the program.

### Funding

Of the total \$239,000 funds available for awards in 2015, \$106,600 was provided by the Foundation Grants-in-Aid Fund and \$132,400 was from AAPG Foundation "Named Grants" honoring institutions and distinguished AAPG members.

The 2015 grant awards were announced at the AAPG Annual Convention in Denver and are available on the AAPG website at <http://foundation.aapg.org/students/graduate/current.cfm>. Abstracts of the funded research of students who received

grants in 2015 will be published in electronic form in AAPG Search and Discovery. Publication of the abstracts increases the visibility of the Grants-in-Aid Program, provides prestige and publicity to award recipients, and informs the membership of student research being supported by the Foundation.

### Committee

For the 2014-2015 program year, the Committee was comprised of over 55 members with representation from around the world. We aim to broaden the demographics of the Committee through international recruiting.

Many people deserve recognition for their role in making the Grants-in-Aid Program a success in 2014-2015: the AAPG Foundation and individual donors for their generous financial contributions; Committee members, for thoughtful review of applications and their suggestions for improving the program; and the AAPG Foundation staff who are responsible for administration of the Grants-in-Aid Program. April Stuart and Tamra Campbell are valuable members of the AAPG Foundation to the Grants-in-Aid team. We wish to thank you all for your contributions and your dedication continues to uphold the excellence of the AAPG Foundation Grants-in-Aid program.

### Andy Klein, chair Mike Unger, vice chair

Committee members: Nadeem Ahmad, Adebayo Akinpelu, Ameera Al Mustafa, Jeff Allen, Aus Al-Tawil, George Ardies, Cesar Ardiles, Ralph Baird, Kevin Barnes, Neil Barnes, Tandis Bigdoli\*, Matthew Buoniconti, Bob Corwin, Denise Cox, Tom Cronin, Andrew Cullen, Olusanmi Emmanuel\*, Femi Esan, Lee Fairchild, Anne Fix, Victoria French, Ray Garber, Tony Grindrod, George Grover, Alexander Gumen, Josh Hickman, Denise Hodder, Bill Houston, Jean Hsieh, Michelle Judson\*, Kevin Keogh, Ben Kilhams, Alexander Kitchka, Andy Klein, Larry Knox, Henry Legarre, Pete Mackenzie, Adam McArthur\*, Kevin Meyer, Nikki Morris, Michael Nix, Victor Ogunmola\*, Andrei Panaiotu, Mary Parke, April Parsons, Eric Potter, Mihaela Ryer, Sourav Saha, Ken Schwartz, David Sivils, Pam Stephens, James Turner, Mike Unger, Grant Wach, Johnnie Wanger, Rhonda Welch\*, Julia Wellner, Richard Whittington, Malleswar Yenugu\*, and Chris Zahm.

\*New Member



## Group Insurance

*The Committee on Group Insurance's function 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 over 50 years and will continue to do so into the future.

Including AAPG, the following societies are also 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).

Association Group Insurance Administrators (AGIA) of Carpinteria, California, is the general administrators for most of our programs. Other plan administrators include Coverdell & Company, Rutherford International, FSD Insurance Services, HealthPlan Services and Worldwide Benefits Services. F. Michael Strunk of Creekmore Livingston Inc. (CLI), Punta Gorda, Fla., is the broker of record for the GeoCare Program. New York Life Insurance Co., Transamerica (Monumental Life) Insurance Co., Aetna Insurance Co., and Liberty Mutual Insurance Co. underwrite the various plans.

The specific programs offered by GeoCare have changed greatly over the past few years, primarily owing to the Patient Protection and Affordability Act of 2010 (PPACA), which resulted in the closure of a number of our health-related programs, and the startup of GeoCare Benefits Insurance Exchange (a private medical insurance exchange). In addition, a number of new programs have been recently added and our websites have undergone significant updates to make them more useful to our members.

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) ID theft assistance. Additional programs are being investigated for possible addition in the future.

As a result of the enactment of "PPACA," GeoCare had to exit from health insurance coverage for group policy organizations as of January 1, 2014, resulting in our comprehensive health care, health savings account qualified insurance, and catastrophic major medical programs being closed. The GeoCare Members' Private Medical Insurance Exchange was begun as an alternative (becoming effective January 1, 2014) to provide the coverage and excellent personalized service our members are accustomed to receiving from GeoCare. The GeoCare Private Exchange has experienced steady growth since start up and, as of June 30, 2015, there are now 389 member policies in force with a Total Annual Premium in excess of \$2.8 million.

GeoCare offers a limited term life plan and a disability plan at no cost to new members. The term life plan includes the issuance of \$30,000 of coverage to new members under the age of 50 who are residents of the United States, at no cost to them for one year. The disability insurance program has a new member benefit of \$600 per month for two years for members under the age of 50. New members are automatically covered at no cost to them for the first six months of membership. After the initial period, new members may renew or increase their coverage at the regular rates offered to all members.

The GeoCare international program was developed to meet the needs of expatriate members who are living or working overseas. Members who are eligible include 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 June 30, 2015, there are now 857 Personal Line policies in force with a premium value in excess of \$1,759,554. These plans are underwritten by the Liberty Mutual Insurance Company and continue to be very popular with our members.

As of June 30, 2015, GeoCare member plan certificates in force total 11,108 with a total annual premium of \$7,884,920. With the addition of SPE, the total certificates in force are 19,148, with a total annual premium of \$11,483,583.

The changes brought on by recent federal legislative action have presented many challenges to the medical programs for our members, the program's managers and our underwriters. While additional changes may occur in the future, the overriding promise of the GeoCare Insurance Program is to provide the best benefits possible for our members. Complete information on all of the insurance plans provided can be found on the AAPG website under Services/GeoCare Insurance or at [www.geocarebenefits.com](http://www.geocarebenefits.com) and [www.speinsurance.com](http://www.speinsurance.com).

### **Robert L. Countryman, Chair**

Committee members: Jim Brown (AAPG), Robert Countryman (AAPG), Jane Crouch (AAPL), Terry Hollrah (AAPG), Jim McGray (AAPG), Burt Nelson (SPE), Diane Pressel (SEG) and James W. Tucker (AAPG EC Liaison)

## Imperial Barrel

Interest in the AAPG/AAPG Foundation Imperial Barrel Award competition continues to increase, and the quality of the teams taking part is steadily improving. The number of teams participating this year increased from 123 to 137, representing 36 countries. It is estimated that in excess of 1,000 students worldwide participated in, and learned from, the program. All Sections and Regions were represented at the global competition at ACE in Denver. There was \$620,000 raised in sponsorship, which is \$130,000 less than last year – a direct result of the economic situation now facing the industry. Seventeen of our major (>\$5,000) sponsors did not contribute and there were only three new major contributors. Despite making changes to

achieve significant cost reductions, some Sections and Regions failed to cover the expenses associated with their semi-finals. Ten companies provided software in support of the program and a number of others provided facilities in which to conduct the semi-final competitions.

The committee is addressing the financial viability of the IBA program in consideration of the current economic climate. Some Regions reduced expenses associated with the semi-finals by conducting all or part of their competitions remotely, and this might need to be expanded in the future. The sponsorship subcommittee is working with the AAPG Foundation to set up an endowment fund to provide a steady income to support running the IBA program. We also are discussing the continuation of multi-year commitments with our major corporate sponsors.

The IBA Committee consists of 15 members who each had responsibility for at least one major function within education, student support, data sets, software, sponsorship, website, and judging. Our secretary, Kristen Wooden, has agreed to take over as chair of the committee when we retire at the end of the fiscal year. We plan to bring another co-chair onto the committee for the 2016-2019 term. Charlie Hamilton, Mike Mahaffie, and Ken Nemeth are retiring from the committee, and we thank them for many years hard work advancing the IBA. The committee held meetings via webex every month between September and May, and met face-to-face after the final competition at the end of May. Most of the discussions at the committee meetings focused on logistical issues, team member exceptions and potential changes to the rules and operational procedures. Supporting the committee are now 21 IBA coordinators, each responsible for the smooth running of the Section and Region competitions and identifying sponsorship opportunities. We held regular meetings with the coordinators to deal with local issues within the Sections and Regions.

Eight data sets were used this year. We continue to look for new data sets to update the collection and because universities cannot be given data that they have used in previous competitions. The Australian Department of Mines and Petroleum has provided access to data from which we will be making new data sets for the 2016 competition, and an additional data set has been offered from industry.

AAPG Datapages again provided teams with access to its online database of

information and literature, and it presented the winning team with unique IBA blazers after the awards ceremony. An online play-based exploration training package was developed by Shell and provided to IBA teams. Webinar videos and other training materials covering geoscience skills needed for the IBA are now being developed through association with leading providers of training for professional geoscientists.

Following an annual review by the committee, a few minor changes will be made to the rules and operational procedures (R&OP) and the judging guidelines for implementation prior to the 2016 competition.

The IBA is having significant impact in attracting talented students into petroleum geoscience and growing AAPG student chapters. We are proud to have several former participants now among the IBA committee and coordinators, and we thank the committee, coordinators, AAPG staff, and many others for their dedication and commitment to this extremely important educational program.

**Dave Cook, co-chair**  
**Chuck Caughey, co-chair**

## North American Commission on Stratigraphic Nomenclature

*The North American Commission on Stratigraphic Nomenclature (NACSN) has four goals: (1) develop statements of stratigraphic principles, (2) recommend procedures application to classification and nomenclature of stratigraphic and related units, (3) review problems in classifying and naming stratigraphic and related units, and (4) formulate expressions of judgment on these matters.*

The Commission held its annual meeting at the Geological Society of America Annual Meeting in Vancouver, B.C., Oct. 20, 2014.

### Notable Accomplishments

1. A draft of the amendment to the Codes on Intrusive Complexes was distributed and approved for publication in the journal, *Stratigraphy*.
2. The archive of commission records from 2003-2013 is now published in *Stratigraphy* as Note 66 (v. 11, no. 2, p. 143-157).

3. The International Commission on Stratigraphy will host two sessions at the 2015 Strati2015 meetings: an industry-oriented session on sequence stratigraphy and basin modeling, and celebrate the 150th anniversary of Oppel Fossil Zones.
4. Status of the proposed addition to the geologic time scale of the Anthropocene is pending until guidelines are outlined regarding what is needed to define a stratigraphic unit.
5. The commission concluded that it was premature to codify sequence stratigraphic terminology, and that the previously published report in *Newsletters on Stratigraphy* (Vol. 44/3, 173-245 – Sequence Stratigraphy: Methodology and Nomenclature) was a useful summary: <http://users.unimi.it/issc/webapp/staticattachs/Catuneanu%20et%20al%202011-sequence.pdf>
6. The website of NACSN has been moved to the Micropaleontology Press: <http://www.nacstrat.org/>. Rick Fluegemann will serve as chair in 2015-16 and Frank Brunton is vice chair.

**Robert W. Scott and Donald Owen,**  
**AAPG Representatives**

AAPG reps and terms: Robert Scott (2012-2015) chairman (2012-2013); Donald E. Owen (2011-2014); Art Donovan (2011-2014). New reps needed.

## Preservation of Geoscience Data

*The mission of the AAPG Committee on Preservation of Geoscience Data is to promote collection, preservation, and utilization of samples and cores as well as those data directly attributable to this rock material to include core analysis, sample descriptions, and stratigraphic assignment. Specifically inclusive, would be photographs, petrographic data and descriptions, photomicrographs, porosity, permeability and other rock data all of which could be digitized and stored in compact storage facilities. A priority is placed on identifying established repositories and constructing automated linkages between potential users and the data listings of these archives. The Committee will encourage and support both the AAPG membership and any other individual or appropriate organization in accomplishing this mission.*

## Annual Committee Meeting

The annual committee meeting was held on Tuesday, April 8, 2014, at the AAPG ACE event in Houston. The meeting was reasonably well attended with nine attendees in person and two via telephone. Beverly DeJarnett announced she was standing down as chairman and Steve Allen and Sara Ramdeen were welcomed as new co-chairs of the committee. Steve Allen thanked Beverly for all her past hard work and hoped she would remain in the committee in the future.

Beverly Molyneux from AAPG made a presentation on the AAPG-WIKI project. Website <http://wiki.aapg.org>

Considerable discussion took place related to the 2017 AAPG centennial celebration and what the Preservation of Geoscience Data Committee could do as an activity for the celebration. Suggestions included a possible core display or a theme session, perhaps a core poster session.

Lee Allison presented information relating to "Global Cyber Infrastructure and Data Management." He referenced Kirsten Leonard at Lamont-Dougherty and the Elsevier-led project. Also a data-at-risk - IEDA – Nimbus Data Rescue Project at <http://iedadata.org>.

He also mentioned the National Geothermal Data System an open-source system of extensive geothermal and geological data for all 50 states (<http://geothermaldata.org>) and the NSF Cyber Infrastructure and NSF Earthcube (<http://www.nsf.gov/geo/earthcube/>).

Other systems include onegeology.org, which provides Web services and global map data sharing in 117 countries, with the goal of building a global virtual geological survey. Individual states can serve maps into the OneGeology system (<http://www.onegeology.org/>).

The Office of Science and Technology Policy (OSTP) deals with "big data," public access, interoperable climate data initiative, big earth data and a directive on improving management of scientific collections (<https://www.whitehouse.gov/administration/eop/ostp>).

Lee suggested there was a need to have AAPG interacting in the NSF Earthcube project. He also mentioned the idea of a Research Coordination Network (RCN). Possible NSF funding might be available (<http://www.nsf.gov/pubs/2013/nsf13520/nsf13520.htm>). Also, the Council of Data Facilities is a new organization that is currently accepting charter members.

Betty Adrian, US Geological Survey, joined the meeting by phone and discussed the

National Geological and Geophysical Data Preservation Program (NGGDPP). She discussed the program budget, grants to individual states and the program website, <http://datapreservation.usgs.gov/>

The Program's FY2013 budget provided approximately \$600,000 to the states; in 2014 there will be over \$800,000 available for the states. Data provided to the program from states is presented in the SciBase catalog, which also contains the national Paleontological database and the historic USGS data. She is always looking for case stories about data or core and sample rescue or valuable usage of these types of data for natural resource assessment.

The USGS data collection and preservation is becoming more involved with NSF Earthcube program. The USGS classifies most geological and geophysical collections as "working collections, rather than "permanent collections," therefore they are not required to comply with some of the new federal directives, but they are trying to comply as much as possible to satisfy OSTP requirements. That is that collections must become available and accessible to the public and to researchers when funded by federal programs. They are also trying to abide by policies and procedures used by the Smithsonian Institution when taking collections from "working" status to "permanent" status. Also, metadata is a very high priority for all data sets.

Bill Harrison gave a brief review of the data collecting, archiving and preservation at the Michigan Geological Survey at Western Michigan University. Sarah Ramdeen also joined the meeting by phone. She is a doctorate student studying how researchers find data for their research, also how data and samples are made available to researchers. First start is to look in state geological surveys to see how data and samples are repositied and made available for research.

Discussion was made as to the "purpose" of the AAPG Preservation of Geoscience Data Committee. Patrick Gooding is working on revising the committee mission statement with input from various sources. He also is revising the committee brochure.

Bill Harrison mentioned a technique that is being used at the Michigan Geological Survey to rapidly search scanned paper records for key words or research interest. It requires that the scanned documents be processed through optical character recognition (OCR) software. That document can then be searched using the "advanced search" option in Adobe Acrobat Professional. The results of the

search will provide the selected search term and a few words adjacent and the file name of the containing document and the page numbers of the specific occurrences. Large numbers of pages can be searched in a relatively short time to identify the specific instances of occurrence in the searched documents.

Additional discussion also was held as to how to best get the message about the committee out to a wider audience – especially other AAPG members. Discussion included a possible webinar on data preservation. The question was raised about how data preservation was handled in industry and in government.

It was suggested that AAPG Foundation might be approached for some "special need" activity related to data or sample rescue on a one-time basis. It was also suggested that contact be developed with Kirsten Leonard, who is coordinating a coalition of NSF-sponsored projects of sample and data repositories spanning academic, state and federal institutions.

Discussion also was initiated about the 2017 AAPG Centennial activities and how the committee could sponsor some significant event. Request was for some ideas on themes, venues, or other activities that would showcase core, sample and data preservation and its value to the science and the field in general.

Since the meeting in April there has been a degree of background work. The current committee was clarified and all members notified of their current status and tenure. Some new members from industry were also recruited. It was also decided that, in addition to the core display for the 2017 convention, that the committee would also put on an exhibition showing the changes in data management over the years with examples of the various technologies employed to deal with a transition from paper to digital and volumes from kilobytes to terabytes.

Attempts to arrange interim meetings have been frustrating but it was agreed that we would form two sub-committees headed by Sara Ramdeen and Steve Allen to be responsible for the displays in 2017.

**Steve Allen, co-chair**  
**Sara Ramdeen, co-chair**

Committee Co-chairs: Steve Allen and Sara Ramdeen

Past Chair: Beverly DeJarnett

Committee Members: Steve Allen (co-chair), M. Lee Allison, Richard Ball (EC liaison), Wayne Cross, Patrick Gooding, William Harrison, Ron Hart (staff liaison),

Larry Knauer, David Orchard, John Steinmetz, and Laura Zahm (committee manager)

## PROWESS

*The mission of the PROWESS Committee is to increase participation and advancement of women in Earth sciences and the energy industry, with an emphasis on education, outreach, support, leadership development and ultimately retention. The PROWESS Committee will interact with women in Earth Science, their male peers and employers, educational institutions and professional societies to accomplish this mission.*

### Committee Activity

#### PROWESS Events at Denver ACE

**Team Leads:** Barbara Tillotson, Lee Avary, Jessica Moore, Carol McGowen, Denise Cox

- PROWESS Short Course (Sponsored by Chevron and ConocoPhillips): The Integral Role of Petroleum Economics in Oil and Gas Field Development; 27 registrants (19 professionals, eight students; roughly 50/50 men/women). Instructor Jenny Spalding (Aramco Services Company) provided an overview of the petroleum industry and upstream economics, beginning with the geoscientist's role in evaluating in E&P, estimating prospect resources, and estimating chances of success. Also discussed were field development scenarios and cash flow models, development of various capital budgeting economic indices to evaluate and rank various prospective field projects, production and reservoir management for producing fields, and international contract arrangements and emerging trends. Terry Engelder, Pennsylvania State University, gave a luncheon talk on "The Impact of Women on Structural Geology – A 200-Year Perspective." Short course participants received a flash drive containing course notes, exercises and other resource materials.
- AAPG/AWG/SEG Reception (Sponsored by Schlumberger): The second annual networking reception at ACE was well attended with over 100 registrants. The theme was "Connections." Shannon Borchardt from Schlumberger welcomed everyone and introduced the three sponsoring organizations. Registrants were asked to put a colored sticker on their name badge to represent

whether they were a "career seeker" or a "career connector." Several people asked if they could have both stickers, as they were at a point in their career where they had experience but were also seeking a new position.

- History of Petroleum Geology Session Presentation: Robbie Gries co-chaired the session and talked about PROWESS as well as the "Pioneering AAPG Women Geoscientists" project. Robbie also gave a talk titled "Women Sitting Wells: A Forgotten History." Dorothy Aylesbury McCoy was the first woman to join AAPG, and was hired to sit wells during World War I.
- KiddieCorp Childcare: The decision was made not to have the onsite child care this year at ACE, due to under-subscription.

#### PROWESS Events at Melbourne ICE

- Women in Geoscience Forum (sponsored by Russell Reynolds Assoc.): Following on the success of the PROWESS-AWG-SEG networking receptions at ACE the last two years, PROWESS and the Petroleum Exploration Society of Australia (PESA) co-hosted a forum in September 2015. A panel of women leaders in the energy industry spoke to forum attendees on the status of women in the industry and shared learning points for others.

#### Pioneer Women in Petroleum Geology Subcommittee:

**Team Leads:** Amanda Haddad and Robbie Gries

- The committee has been collecting biographical information about pioneering women petroleum geologists. The first 100 women AAPG members of have been researched by a subcommittee of nine members. Robbie Gries has interviewed a few of these pioneer women and heard their stories first hand. Also, relatives and former colleagues have been contacted for stories, photos, and diaries. Local societies, AAPG Sections, and alma maters have also been contacted for information and materials. The committee meets quarterly via teleconference to give status updates on the progress of their biography research as well as share helpful research tools they have discovered. An FTP site has been created as a repository for the biographies as they are completed. The stories of these women will be showcased at the AAPG 100<sup>th</sup> Anniversary ACE 2017, and later in a

book. A timeline display is being developed to place the 100 pioneer women AAPG members in the context of world and industry events.

- Three articles based on the PROWESS Pioneer Women sub-committee research were published in the *EXPLORER*: Helen Laura Foster (September 2014); "The Flying Florences," Florence Weber (nee Robinson) and Florence Collins (nee Rucker) (November 2014); and Anny Coury (June 2015).

#### Social Media and Website Subcommittee:

**Team Leads:** Marian Kramer and Denise Cox

- The social media and website subcommittee has worked with the headquarters web team to migrate content to the new web platform. Also, messages promoting PROWESS events at Denver ACE were created by the subcommittee. Articles of interest to professional women in industry were regularly posted to the Resources section of the PROWESS website.

#### Mentoring Subcommittee:

**Team Lead:** Tracey Edwards

- The mentoring subcommittee, created to identify opportunities for mentoring, explore mentor training and work with other committees such as the YP committee, is exploring the feasibility of e-mentoring.

#### Honoring Vlasta Dvorakova

The committee was saddened by the death of longtime PROWESS committee member and former Europe Region President Vlastimila "Vlasta" Dvorakova on June 12, 2015.

**Katharine Lee Avary, co-chair**  
**Barbara Tillotson, co-chair**

Committee members: Jeffrey Brooks Aldrich, Edith C. Allison, Astrid E. Arts, Katharine Lee Avary (co-chair), Sheila A. Bruce, Tania C. Campbell, Amber Conner, Denise M. Cox, Robbie Rice Gries, Autumn Haagsma, Amanda G. Haddad, Eve Iversen, Alicia Kahn, Amanda Lynne Kern, Marian E. Kramer, Linda S. Kyle, Rosemary Laidacker, Heather L. LaReau, Carol Cain McGowen, Alison Jean Meininger, Jessica Moore, Jessica Pierson Moore, Maryam Nasizadeh, Amy Kathryn Noack, Elizabeth S. Petrie, Hilary Elizabeth Strong Petrizzo, Kumkum B. Ray, Margaret Zoe Smott, Marie-Stella Sonuga, Vanja



M. Stevanovic, Shannon Cheree Stover, Edna Cecilia Sullivan, Barbara A. Tillotson (co-chair), Jennifer Tomblin, Eryn T. Torres, Kathleen Poole Urbis, Ann M. Vasko, Katerina Yared, and Laura Cutright Zahm

## Public Outreach

*The function of the Public Outreach Committee (POC) is to develop means of informing the public about geology in general and petroleum geology in particular, and to report successful outreach projects to AAPG's affiliated societies. To fulfill those roles, the committee must represent a broad range of technical expertise from representative industry and academic organizations around the world. The POC expects to add members in the coming fiscal year to represent all Sections, Regions and divisions, as well as YPs and Students, so that the committee represents the organization as a whole.*

1. A diverse set of outreach resources has been posted on the Public Outreach website. These include PowerPoint presentations developed by the National Energy Education Development (NEED) Project, which are targeted at secondary school students and the general public. They cover all forms of energy, as well as energy efficiency and transportation. Other links lead to resources and information provided by the American Petroleum Institute and the American Geosciences Institute.
2. Information about the website resources was broadly distributed at the AAPG ACE in Denver, through personal contacts and with handouts made available in the AAPG booth area.
3. We cooperated with AAPG Director David Curtiss on a "Director's Corner" printed in the AAPG *EXPLORER* that highlighted outreach resources and encouraged AAPG members to access and use these to educate friends, family, and community members.
4. Preliminary recommendations have been made to AAPG headquarters for initiating cooperative programs with the NEED Project, the American Petroleum Institute and the American Geosciences Institute with specific focus on outreach materials sharing and dissemination.
5. We received a quote from the American Association for the Advancement of Science for a

communication-skills training workshop, "Communicating Science: Tools for Scientists and Engineers." *"The AAAS Communicating Science workshops developed by the Center for Public Engagement with Science and Technology are specifically designed to address the needs of scientists and engineers in communicating scientific information to those outside their immediate field."* A half-day workshop was quoted for \$2,500, and a full-day workshop was quoted for \$5,000. This chair has requested that the quote be evaluated by the AAPG Executive Committee.

### **Rebecca L. Dodge and James R. Steidtmann, Co-Chairs**

Committee members: David Bieber, Denise Cox, Rebecca Lee Dodge (co-chair), Gretchen Gillis, Randi Martinsen, James R. Steidtmann (co-chair), and Laura Zahm.

## Reservoir Development

*The function of the Committee on Reservoir Development is to promote and support the importance of cost-effective and integrated development of oil and gas reservoirs and fields by working with the Research Committee, Education Committee, Publications Committee, and with other professional societies such as SPE, SPWLA, SEG, and EAGE. Projects could lead to the proposal and development of technical sessions, workshops and short courses at meetings and conferences, in preparing proposals for Hedberg Conferences and special publications. Other efforts should involve seeking authors for technical papers for the Bulletin, especially contributions to E&P Notes, demonstrating the significance of the design of integrated reservoir and field wide development strategies. Specific projects should be; to sponsor an Archie Conference once every two years; and to work with the Digital Geoscience Committee in developing a catalog of reservoir and field analogs in digital format.*

### **Highlights**

#### **Achieved**

- Appoint chair, revisit mandate, and re-establish committee objectives (Timeline: February 10-18, 2015)

### **In Progress**

- Appoint members and grow critical mass (Timeline: Ongoing, Q2-Q3, 2015)
- Establish intra-committee communication framework and networking modalities (Timeline: Ongoing, Q2-Q3, 2015)

### **Planned**

- Establish intra-committee communication framework and networking modalities (Timeline: Q3 2015 – Q2, 2016)
- Establish committee group-think, grow collaborative partnerships and re-commence contributions, technical and otherwise (Timeline: Q3 2015 – Q2 2016)
- Interim progress report – committee level reporting year (Timeline: Mid 2015-2016)
- Annual conference 2016 and committee meeting (Timeline: ACE 2016, Calgary meeting)

### **Major Activities**

The committee was dormant with no activities and members from July 1, 2014 to February 9, 2015. Sochi Iwuoha of Total E&P was appointed the new committee chair on February 10, 2015. The committee currently consists of three members (including the chair) and is currently working together with executive and staff liaisons.

### **Anticipated Actions In The Interim**

#### **Continue Mobilization of Committee Membership**

- Strategies include but are not limited to
- Cold contacting a list of potential candidates based on previously known committee members, previous inquiries received from interested potential members and in addition following up on new requests.
  - Flash publication with an invitation for new members – a draft invite was already prepared in Q2, 2015, but getting this to make publication is yet to be achieved to date. Need to ensure request is forwarded to the right contact in charge of Explorer advertisements and notifications.
  - Word of mouth – through existing networks of current committee members and by exploiting already existing professional industry connections during individual and corporate participation in workshops and

conferences. For example, Sochi Iwuoha chaired two sessions during the 2015 Heavy Oil Symposium at Edmonton, Canada, and currently is on the international Executive Committee of the 2016 Pan-American Mature Fields Congress scheduled to hold in Veracruz, Mexico. Continuing to spread the word about AAPG and in particular the Reservoir Development Committee (RDC) during industry events is expected to facilitate interest in the RDC and potentially yield fruits of members inspired to contribute and help foster innovation in oil and gas resource development under the auspices of AAPG's RDC.

- Establishing user-friendly and flexible communication and networking strategies within the committee to enhance knowledge sharing and participation. The RDC MyAAPG site has now been setup with functionalities testing currently on-going to ensure ease of access and operability, especially for new RDC members.

#### Seek out Collaborative Opportunities

With other AAPG committees (Research/Education/Publications) as well as other professional societies with a view to contributing to current discussions and knowledge management of issues surrounding reservoir development, notably within the AAPG community and in the global oil and gas industry.

#### Monitor Progress

A preliminary review of milestones achieved during the forth-coming year is planned during the year to review results of strategy implementation and in addition set the pace for a committee meeting to be held during the 2016 Annual Convention and Exhibition in Calgary, Canada.

#### Grow, Grow, Grow and Impact!

#### Additional Comments and/or Suggestions

It is a great delight to see the revival of the RDC after several years of dormancy. At a time when the need for conversations on synergies in the energy industry on ways to best maximize reservoir potential and (in extension) the bottomline cannot be over-emphasized, the activities of the RDC can be expected to significantly contribute to challenging the status quo and shaping strategies for sustainable cost

effective development of oil and gas reservoirs.

#### Sochi C. Iwuoha, chair

Committee members: Carlos Mauricio Mauricio Casanova Angarita, James Blankenship, Steven H. Brachman, Aaron Escamilla, Sochi Chiwuike Iwuoha (chair), and Seyed Shariatipour

## Visiting Geoscientist

*The function of the Committee on Visiting Geoscientist Program is to provide college and university students worldwide a balanced picture of geosciences in the petroleum, energy minerals, and environmental industries; provide information about careers in the geosciences; present a positive image of a geoscience professional; and encourage geoscience career options for young scientists of high caliber. These goals will be achieved through direct student contact during college and university visits by active geoscientists. To maintain active status as a VG, each committee member must complete at least one visit per fiscal year. This program is funded through the generosity of the Visiting Geoscientists, their companies, the AAPG Foundation and AAPG.*

The best news for 2014-2015 was the record number of students reached with the program this year – almost 6,000! And a record number of visits, 159! And a record number of countries and states visited!

The Committee has expanded to include Coordinators for each Region and for each Section. These are

Africa Coordinators:  
David Blanchard and Samuel Akande

Asia Pacific Coordinators:  
Herman Darman and Peter Baillie  
Canada Coordinators: John Hogg (temporarily); Frank Ryan and Monika Mojelski

Europe Coordinators: Noelle Joy Purcell and Vlasta Dvorakova (†)

Latin America & Caribbean Coordinator:  
Miguel de Armas

Middle East Coordinator: Sa'ïd Hajri  
Pacific Section Coordinator: Michelle Judson

Rocky Mountains Section Coordinator:  
Laura Mauro Johnson

Southwest Section Coordinator:  
David Entzminger

Gulf Coast Section Coordinator:

Mary Broussard

Mid-Continent Section Coordinator:

Doug Davis

Eastern Section Coordinator: Ione Taylor

Other committee members include

Michael D. Campbell, Charles A.

Caughey, Denise M. Cox, Emily Amber

Fisher, Plamen Nikolov Ganey, and

John Hogg.

Building on an existing group of 47 seasoned Visiting Geoscientists, we recruited 106 new VGs, including 35 Young Professionals.

We increased our number of international VGs from 17 to 90, and increased our domestic VGs from 30 to 69. Total number of VGs = 153. Sound good?

The worst news is that we have 336 student chapters globally and as well as many schools without chapters that would like to have a VG. We still do not have enough VGs in key areas of the world to give universities a chance to have at least one visit every two years. So more recruiting will be done in 2015-2016.

An Ad Hoc Committee was formed within the VG program to develop a PowerPoint presentation about "Surviving a Downturn." Dallas Dunlap chaired the committee, which included Brian Brister, Richard Ball, Lesli Wood, Steve Brachman, Meredith Faber, Herman Darman, and Michelle Judson. Their final product was finished in a record three months and has been distributed to the Visiting Geoscientists. It also is soon to be on the AAPG website.

The Committee also has initiated work on the VGP website, and particularly the addition of maps to the VGP website. Nemeth used models developed by himself in Europe and Herman Darman in Asia Pacific showing the value of maps illustrating where the VGs are located, where they have visited and where student chapters exist.

We also stressed the need to sort through VG topics by subject and Nemeth had compiled a detailed spreadsheet with the help of students from Eotvos University to assist headquarters in getting this done.

Another improvement for the site will be the addition of a link for VGs to use to acquire materials for their talks. Improvements suggested for the website include links between the VGP site and the Student Focus sites.

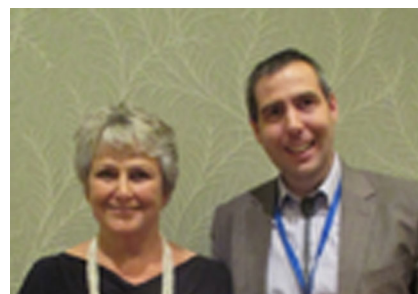
Andras Nemeth and others have been promoting special events where students

from several universities come together and hear a VG and sometimes have a short course and a field trip. These events have occurred in Eastern Europe and Latin America this year. We also promoted to organize site visits (drilling rigs, seismic) for students in the frames of VGP.

We also attempted to count visits taken by industry professionals who do not want to be listed as VG but regularly visit their alma mater or other universities to provide a realistic picture of the oil

industry to geosciences students. Such visits have been taken by many AAPG members for a long time. A new category "flash visit" was established to recognize these visits.

Our annual Committee meeting was held on July 2 in Denver, with record number (30-plus) of participants, and new ideas arose about further expansion of the VGP. T-shirts, USB keys with material for VGs and freebies for students were distributed to the participants by Mike Mlynek.



**Robbie Gries and Andras Nemeth, co-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 Croneis  
1968 — Maurice Ewing  
1969 — Ira H. Cram, Sr.  
1970 — Frank R. Clark  
1971 — Frank A. Morgan  
1972 — Morgan J. Davis, Sr.  
1973 — Gordon I. Atwater  
1974 — G. Moses Knebel  
1975 — Dean A. McGee  
1976 — W. Dow Hamm  
1977 — Michel T. Halbouty  
1978 — Kenneth H. Crandall  
1979 — William Hirst Curry, Jr.  
1980 — Kenneth K. Landes  
1981 — Mason L. Hill  
1982 — Daniel A. Busch  
1983 — Grover E. Murray  
1984 — Robert J. Weimer  
1985 — J. Ben Carsey  
1986 — Merrill W. Haas  
1987 — James E. Wilson  
1988 — Rufus J. LeBlanc, Sr.  
1989 — Hugh Neumann Frenzel  
1990 — John T. Galey  
1991 — John E. Kilkenny  
1992 — Sherman A. Wengert  
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

### 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. Amoruso  
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

### 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.*

#### 2015 Recipients

Abdulrahman Alsharahan  
William J. Barrett  
Wallace G. Dow  
David H. Hawk

John C. Lorenz  
Kay L. Pitts  
Scott W. Tinker

Mahmoud Abdul-Baqi, 2003  
Adekunle A. Adesida, 2012  
Adebayo O. Akinpelu, 2010  
Ibrahim A. Al-Jallal, 2012  
John Armentrout, 2014  
John J. Amoruso, 1987  
Albert W. Bally, 1986  
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  
A. T. "Toby" Carleton, 2000  
Paul A. Catacosinos, 2000  
Donald D. Clarke, 2014  
Stewart Chuber, 2004  
James M. Coleman, 2002  
Robert L. Countryman, 2011  
Robert D. Cowdery, 1987  
Brenda K. Cunningham, 2001  
Edward K. David, 2005  
Herbert G. Davis, 1986  
Gerard J. Demaison, 1995  
Edward D. Dolly, 2007  
Marlan W. Downey, 2000  
Bernard C. Duval, 1995\*  
George Eynon, 2008  
William L. Fisher, 1990  
Peter T. Flawn, 1983  
Lawrence W. Funkhouser, 1984  
Lee C. Gerhard, 1997  
James A. Gibbs, 1995  
Ned (E. E.) Gilbert, 2001  
Robert N. Ginsburg, 1991  
William E. Gipson, 1991  
Kenneth W. Glennie, 2003  
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  
James Austin Hartman, 1992  
John D. Haun, 1984  
Christopher P. M. Heath, 2005  
Martin D. Hewitt, 2014

\*Distinguished Achievement Awardee

G. Warfield "Skip" Hobbs, 2005  
 John R. Hogg, 2010  
 Terry L. Hollrah, 2006  
 Myron K. Horn, 1997  
 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\*  
 Desheng Li, 1994\*  
 Robert G. Lindblom, 1999  
 Peter M. Lloyd, 2008  
 Ernest A. Mancini, 2008  
 Anibal R. Martinez, 1983\*  
 James S. McGray, 2014  
 Marcio Rocha Mello, 1998\*  
 Daniel F. Merriam, 1996  
 Richard F. Meyer, 1987  
 Robert M. Mitchum, Jr., 2000  
 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  
 R. Randy Ray, 2011  
 Peter R. Rose, 2002  
 Wolfgang Schlager, 1999\*  
 Harrison Hagan Schmitt, 2006  
 Nahum Schneidermann, 1994  
 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  
 Paul M. Strunk, 1999  
 M. Ray Thomasson, 2003  
 Jack C. Threet, 2008  
 Bernard P. Tissot, 1987  
 Harrison Lee Townes, 1997  
 Peter R. Vail, 1991  
 Arthur M. Van Tyne, 1996  
 Steven L. Veal, 2011  
 Koenraad Weber, 2004\*  
 Robert J. Weimer, 1982  
 Larry D. Woodfork, 1990  
 Pinar O. Yilmaz, 2010  
 Donald L. Ziegler, 1986

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

Abdulla Al-Naim, 2013  
 John Emery Adams, 1966  
 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  
 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  
 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  
 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  
 Roy T. Hazzard, 1959  
 John C. Hazzard, 1973  
 Kenneth C. Heald, 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  
 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. Kottlowski, 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

\*Distinguished Achievement Awardee

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. Megill, 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. 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  
 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  
 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 Amoroso,  
                   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

## 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

## Michel T. Halbouty Memorial Human Needs Award

*The Michel T. Halbouty Memorial Human Needs Award was given 1972–2004 as 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  
 2005 — No Recipient  
 2006 — No Recipient

\*Special Commendation Awardee

## 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.       | Bill St. John                   | Charles R. (Chuck) Noll       |
| 1972 — Howard R. Gould             | Larry D. Woodfork               | M. Ray Thomasson              |
| 1973 — John D. Haun                | 1988 — James M. Forgotson, Jr.  | Peter A. Ziegler*             |
| Leslie Bowling                     | Gerald Manfred Friedman         | 1996 — Pablo Cruz-Helu*       |
| 1974 — John T. Galey               | Robert R. Johnston              | Ashton F. Embry               |
| 1975 — Jules Braunstein            | Robert R. Jordan                | George Eynon                  |
| Robert J. Weimer                   | John R. Kerns                   | Jeffrey C. Greenawalt         |
| 1976 — James R. Jackson, Jr.       | Jack P. Martin                  | Gary E. Henry                 |
| 1977 — George V. Cohee             | John A. Masters                 | Gustavas Warfield Hobbs IV    |
| Samuel P. Ellison, Jr.             | 1989 — George R. Bole           | Maria Antonieta Lorente*      |
| 1978 — Robert H. Dott, Sr.         | Martha Lou Broussard            | Rafael Sanchez-Montes de Oca* |
| Frank Gouin                        | Clemont H. Bruce                | Peter R. Rose                 |
| 1979 — George Copernicus Grow, Jr. | David G. Campbell               | Roger M. Slatt                |
| Thomas C. Hiestand                 | Lee C. Gerhard                  | Carlos Maria Urien*           |
| John C. Maher                      | Scott J. Lysinger               | 1997 — Lee T. Billingsley     |
| 1980 — John E. Galley              | William H. Matthews III         | Stewart Chuber                |
| John W. Shelton                    | 1990 — James A. Helwig          | Walter P. Grün*               |
| 1981 — Bernold M. Hanson           | Michael E. "Mike" Hriskevich    | Terry L. Hollrah              |
| Frank E. Kottlowski                | Lewis S. "Stan" Pittman         | Frank Horvath*                |
| Ralph L. Miller                    | William H. Roberts III          | John George Kaldi*            |
| Marion Orville Turner              | Edward C. Roy, Jr.              | Susan M. Morrice              |
| 1982 — Donald W. Axford            | Nahum Schneidermann             | Emiliano Mutti*               |
| Garth W. Caylor                    | Richard Steinmetz               | David G. Roberts*             |
| William L. Fisher                  | 1991 — Dudley W. Bolyard        | Dan L. Smith                  |
| Herbert G. Davis                   | Robbie Rice Gries               | Anthony Tankard               |
| Robert L. Fuchs                    | George C. Hardin, Jr.           | 1998 — Kevin T. Biddle        |
| Robert J. Gutru                    | Jerome J. C. Ingels             | Patrick J. F. Gratton         |
| Richard F. Meyer                   | Edward D. Pittman               | C. Dennis Irwin, Jr.          |
| 1983 — Don R. Boyd                 | Robert M. Sneider               | David A. L. Jenkins           |
| Fred A. Dix, Jr.                   | Don F. Tobin                    | Brian D. Keith                |
| James O. Lewis                     | 1992 — Edward A. Beaumont       | Hans H. Krause                |
| D. Keith Murray                    | Steven H. Harris                | Celso Fernando Lucchesi*      |
| George B. Pichel                   | Christopher P. M. Heath         | Raul Mosmann*                 |
| Donald L. Ziegler                  | Robert G. Lindblom              | F. Pierce Pratt               |
| 1984 — Dudley Harold Cardwell      | James A. Peterson               | Edward G. Purdy*              |
| Robert H. Dott, Jr.                | Phillip E. Playford*            | 1999 — Abdulla H. Al-Naim*    |
| John P. Lockridge                  | 1993 — Paul A. Catacosinos      | Jean Dercourt*                |
| Eric A. Rudd                       | John C. "Jack" Dunlap           | Richard Hardman*              |
| Grant Steele                       | Mateu Esteban*                  | Ed W. Heath                   |
| 1985 — Thomas D. Barber            | Gay L. Hermann Larré            | James A. Noel                 |
| Norman H. Foster                   | Hugh M. Looney                  | Roy D. Nurmi                  |
| George S. Galbraith                | Lucien Montadert*               | Douglas Gene Patchen          |
| James A. Hartman                   | Wolfgang Schlager*              | Edward B. Picou, Jr.          |
| James S. MacDonald                 | George D. Severson              | Stephen A. Sonnenberg         |
| William R. Moran                   | Paul M. Strunk                  | 2000 — Edward D. Dolly        |
| Anthony Reso                       | Thomas L. Wright                | Peter M. Lloyd*               |
| 1986 — Allan P. Bennisson          | 1994 — Charles S. Hutchison*    | J. Michael Party              |
| Louis C. Bortz                     | Murray Johnstone*               | Robert T. Sellars, Jr.        |
| Charles F. Dodge III               | R. Pranjana Koesoemadinata*     | Robert C. Shoup               |
| Myron K. Horn                      | Susan Longacre                  | Dietrich Welte*               |
| Roscoe E. Shutt                    | Edward McFarlan, Jr.            | Pinar Oya Yilmaz              |
| 1987 — A. T. "Toby" Carleton       | G. A. S. Nayoan*                | 2001 — Elizabeth B. Campen    |
| James A. Gibbs                     | Khalid Ngah*                    | Chuck Caughey                 |
| John W. Harbaugh                   | James P. Rogers                 | Ian Derek Collins             |
| Daniel F. Merriam                  | John D. Sistrunk, Jr.           | Robert L. Countryman          |
|                                    | Carl J. Smith                   | Ben D. Hare                   |
|                                    | Arthur M. Van Tyne              | Jean R. Lemmon                |
|                                    | 1995 — Richard S. Bishop        | Tom Mairs                     |
|                                    | Brenda K. Cunningham            | Wolfgang E. Schollnberger     |
|                                    | Edward K. David                 | 2002 — Thomas S. Ahlbrandt    |
|                                    | Samuel Arthur Friedman          | Jeffrey Aldrich               |
|                                    | Kenneth Jinghwa Hsu*            | Donald D. Clarke              |
|                                    | Susan M. Landon A. John Martin* | John R. Hogg                  |

\*Special Commendation Awardee



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. Mummary  
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  
Adedoja R. Ojelabi

Victor H. Vega  
Mark L. Wilson

2013 — Eugene L. Ames III  
Mark J. Gallagher  
Frances J. Hein  
Joseph J. Lambiasi  
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  
Gábor C. Tari  
Peter Wigley

## 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

## Harrison Schmitt Award

*The Harrison Schmitt Award recognizes individuals or organizations that, 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. Megill (for showing petroleum geologists how to express their ideas and cope with their science through the use of petroleum economics)
- 1998 — Fred A. Dix, Jr. (for dedicated leadership of the AAPG from 1973 to 1996)
- 1999 — Isaac J. Crumbly (for leadership in creating a technical workforce for the nation's energy industry)
- 1999 — Sarah G. Stanley (for leadership in the development of public centers for workstation training)
- 2000 — Arthur R. Green (for visionary work to develop integrated geoscience and commitment to deliver these products to the geoscience community)
- 2000 — William T. Smith (for outstanding achievement as a working petroleum geologist and oil industry executive)
- 2001 — Kenneth Dale Owen and David L. Rice (for their efforts in restoring the 19th century New Harmony scientific community in Indiana)
- 2001 — Richard Warren (for his commitment to the oil industry while facing personal affliction with fortitude)
- 2001 — J. C. "Jay" Gallagher (posthumously) (for the successful evolution of the International Pavilion)
- 2002 — Emmanuel Tamesis (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
- 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).)
- 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. Fouch
- 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 — Alex S. Broun  
 Jerome J. Cuzella  
 Donald S. Van Nieuwenhuise  
 2014 — John B. Curtis  
 2015 — Logan MacMillan  
 Timothy M. Ryan

## 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

## 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

## 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. Murriss  
 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  
 Garry D. Karner  
 1999 — John W. Robinson  
 Peter J. McCabe  
 2000 — Karla E. Tucker  
 Paul M. "Mitch" Harris  
 Richard C. Nolen-Hoeksema  
 2001 — Robert G. Loucks  
 2002 — John S. Bridge  
 Robert S. Tye  
 2003 — Roger J. Barnaby  
 Stephen C. Ruppel  
 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

## 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. Wengerd  
1950 — F. M. Swain  
Frank Reedy, Jr.  
1951 — Walter B. Spangler  
Jahn J. Peterson  
1952 — Raymond Siever  
1953 — Donald F. Towse  
1954 — Charles C. Bates  
1955 — Paul V. Smith, Jr.  
1956 — J. Law  
Robert H. Dott, Jr.  
1957 — Robert H. Parker  
1958 — John C. Ludwick  
William R. Walton  
1959 — John M. Andrichuk  
1960 — Robert L. Folk  
1961 — Richard W. Fetzner  
1962 — J. G. C. M. Fuller  
1963 — P. G. Temple  
L. J. 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 Suárez Soruco  
Herman J. A. Welsink  
1998 — Martin P. A. Jackson  
David G. Roberts  
Sigmund Snelson  
1999 — Ronald C. Surdam  
2000 — Ben E. Law  
Gregory F. Ulmishek  
Vyacheslav I. Slavin  
2001 — John F. Jordan  
Richard A. Schatzinger  
2002 — Marcio R. Mello  
Barry J. Katz  
2003 — Marlan W. Downey  
William A. Morgan  
Jack C. 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 Román Ramos  
2012 — M. Pöppelreiter  
C. Garcia-Carballido  
M. A. Kraaijveld  
2013 — K. McClay  
J. H. Shaw  
J. Suppe  
2014 — John A. Breyer  
2015 — Dengliang Gao

## J. C. "Cam" Sproule Memorial Award

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

1974 — Aston F. Embry III  
1975 — Clifton F. "Cliff" Jordan, Jr.  
1976 — Paul Hoffman  
1977 — W. R. Moore  
1978 — Myron W. Payne  
1979 — Peter A. Scholle  
1980 — Richard S. Bishop  
1981 — Tim T. Schowalter  
1982 — Douglas W. Waples  
1983 — Marc B. Edwards  
1984 — Judith Totman Parrish  
1985 — Martin P. A. Jackson  
Steven J. Seni  
1986 — Martha O. Withjack  
Daryl Jill D. Pollock  
1987 — Stephan Alan Graham  
Loretta Ann Williams  
1988 — Shankar Mitra  
1989 — David W. Houseknecht  
1990 — Richard John Hubbard  
1991 — Donald A. Medwedeff  
1992 — Paul Weimer  
1993 — Bradford E. Prather  
1994 — Bradford E. Prather  
1995 — Robert D. Walters

1996 — Isabel Patricia Montañez  
 1997 — Laurel B. Alexander  
     Peter B. Flemings  
 1998 — Scott W. Tinker  
 1999 — Andrew David Hindle  
 2000 — Sebastián Galeazzi  
 2001 — Antony Reynolds  
 2002 — Lesli J. Wood  
 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  
 2015 — Mark R. P. Tingay

## SEG/AAPG Best Paper in Interpretation Journal Award

2015 — Bruce S. Hart

## 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 Vilorio  
 2015 — Konstantin Sobornov

## 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 — Clemon H. Bruce  
 1984 — Thomas J. Schull  
 1985 — Ralph S. Kerr  
 1986 — Lisa M. Pratt  
 1987 — James Francis Dolan  
 1988 — Jon F. Blickwede, Sr.  
 1989 — Ian E. Hutcheon  
 1990 — Martin P. A. Jackson  
 1991 — Michael D. Lewan  
 1992 — John Richard Underhill  
 1993 — P. Joe Hamilton  
 1994 — Steven G. Henry  
 1995 — Kenneth J. Thies  
 1996 — James P. DiSiena  
 1997 — Mark B. Allen

1998 — Joachim E. Amthor  
 1999 — Martha Oliver Withjack  
 2000 — Wafik Beydoun  
 2002 — Henry W. Posamentier  
 2003 — Mark Cooper  
     Richard G. Harris  
 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

## George C. Matson Memorial Award Top 10 Oral Presenters at the 2014 Annual Meeting in Houston, TX

### Peter Hennings

Anita E. Csoma

### Henry Posamentier

Simon Lang  
 Elrad Isakov  
 Steve Jenkins  
 Nurymbet Kalzhekov

### Jeremy Jameson

### Ted Urbancic

Gisela Viegas Fernandes  
 Adam M. Baig

### Andrew Bishop

Malcolm Ross  
 Steve Bergman

### David Haberlah

Duncan Pirrie  
 Garth Howell  
 Michael Owen  
 Ashley Donaldson  
 Eric Goergen,  
 Leonardo Salazar  
 Siavash Rastaghi  
 Alan Butcher

### Kitty Milliken

Tingwei (Lucy) Ko  
 Maxwell Pommer  
 Kathleen Marsaglia

### Rachel Wood

Cees van der Land  
 Rink van Dijke  
 Zeyun Jiang  
 Patrick Corbett

### Stephen Kaczmarek

Shawn Fullmer  
 Franciszek Hasiuk

### Shawn Fullmer

Sean Guidry

Jonas Gournay  
Emily Bowlin  
Gary Ottinger  
Abdulla Al Neyadi  
Bo Gao  
Ewart Edwards

**Robert Loucks**

Harry D. Rowe  
Gregory Frebourg

## Jules Braunstein Memorial Award

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

1984 — Dale S. Sawyer  
1985 — Richardson B. Allen  
Jeffrey Feehan  
Jeff Gernand  
Miguel Giraut  
Bruce H. Nickelsen  
1986 — John R. Suter  
Henry R. Berryhill  
1987 — Alan Ronald Daly  
Janell Diane Edman  
1988 — John C. Lorenz  
Sharon J. Finley  
David I. Norman  
1989 — Alan C. Kendall  
Gill M. Harwood  
1990 — L. M. "Mike" Grace  
Paul Edwin Potter  
R. Gordon Pirie  
1991 — Kate S. Weissenburger  
1992 — Erik R. Lundin  
1993 — Jesús Maguregui Solaguren  
1994 — Rob B. Leslie  
1995 — John R. Sutter  
Kevin M. Bohacs  
1996 — Cynthia L. Blankenship  
Douglas A. Stauber  
David S. Epps  
Chuck Guderjahn  
John D. Oldroyd  
1997 — James C. Niemann  
1998 — Hege Mait Nordgård Bolas  
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

### Jules Braunstein Memorial Award Top 10 Poster Presentations at the 2013 Annual Meeting in Houston, TX

Rosanne McKernan  
Julian Mecklenburgh  
Ernest Rutter  
Kevin Taylor  
Steven J. Covey-Crump

Yuanjia Han  
Nicolaj Mahlstedt  
Brian Horsfield

Christian Strohmer  
Fadhil Sadooni  
Judith A. McKenzie  
Tomaso R. Bontognali  
Crisogono Vasconcelos

Joel Legg  
Rona J. Donahoe  
Richard Martens

Giulio Casini  
David W. Hunt,  
Erik Monsen

Alex J. MacNeil

Crina Miclaus  
Juergen Schieber

Andrea Ortiz Karpf  
David M. Hodgson  
William D. McCaffrey

Andreas W. Laake  
Joseph C. Fiduk,  
Bradley C. Wallet

Abdulaziz Al-Balushi  
Martin Neumaier  
Alastair J. Fraser  
Christopher A-L Jackson

## 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**

#### Gulf Coast Section

1966 — **B. J. Sloane, Jr.**

1967 — **Hunter Yarborough, Jr.**

1968 — **John D. Myers**

1969 — **James K. Rogers**

1970 — **John J. Amoruso**

1971 — **Hunter Yarborough, Jr.**

1972 — **Robert R. Berg**

1973 — **James M. Coleman**  
L. D. Wright

1974 — **Donald H. Kupfer**

1975 — **John D. Myers**

1976 — **Arthur R. Troell**  
J. D. Robinson

1977 — **David K. Davies**  
William R. Almon

1978 — **Charles T. Siemers**

1979 — **Robert R. Berg**

1980 — **Ernest A. Mancini**

1981 — **Edward C. Roy, Jr.**  
Mark Eidelbach  
Nancy Trumbly

1982 — **Thomas E. Ewing**  
S. Christopher Caran

1983 — **John W. Cagle**  
M. Ali Khan

1984 — **Gary L. Kinsland**

1985 — **William E. Galloway**

1986 — **Shirley P. Dutton**

1987 — **Shirley P. Dutton**  
Robert J. Finley  
Karen L. Herrington

1988 — **Ian Lerche**  
John J. O'Brien

1989 — **Peter J. Hutchinson**

1990 — **Michael P. Prescott**

1991 — **Andrew J. Davidoff**

1992 — **Harry H. Roberts**  
Douglas J. Cook  
Mark K. Sheedlo

1993 — **Wayne Carew**  
Glenn L. Krum  
Paul F. Ostendorf

1994 — **John A. Rhodes**

1995 — **Mary J. Broussard**  
Brian E. Lock

1996 — **David J. Hall**

1997 — **Brad A. Robison**  
Roco Detomo, Jr.  
R. David Garner  
Arie Speksnijder  
Michael J. Styzen

1998 — **Thomas E. Ewing**

1999 — **William C. Dawson**  
William R. Almon

2000 — **Fuping Zhu**  
Richard L. Gibson, Jr.  
Joel S. Watkins  
Sung H. Yuh

2001 — **Kevin B. Hill**

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  
Nhon (Vince) Nguyen  
Abayomi Aina  
Mauro R. Becker  
Marcelo Cristian Torrez Canaviri

#### 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

#### **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. Ponak**  
 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**

#### **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

#### 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. Pausé**  
 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

## 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 — José Alejandro Luquez  
 2005 — Marek Kacewicz  
 2006 — Dale A. Leckie  
 2007 — No Conference

2008 — Charles Kerans  
 2009 — Pedro V. Zalán  
 Maria do Carmo G. Severino  
 João Alberto B. Oliveira  
 Luciano P. Magnavita  
 Webster U. Mohriak  
 Rogério 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

## 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 — Rémi Eschard  
 Olivier Lerat  
 Didier Granjeon  
 Brigitte Doligez  
 Guy Desaubliaux  
 François Lafont  
 1998 — Stanley T. Paxton  
 Gary C. Stone  
 Barbara L. Faulkner  
 1999 — Joseph M. Finneran  
 Yatindranath Keith Bally  
 2000 — Richard Hillis  
 2001 — No Recipient  
 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  
Misaël 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 — Bodo Katz  
David Sibley  
Adam J. Vonk
- 2013 — Jamie O. Castillo  
Victor Castro  
Alfredo Ramirez  
Carlos Mora  
Johana Paola Blanco Martinez  
Claudia Ceballos
- 2014 — Grant Ellis

## AAPG House of Delegates Awards

### Honorary Member of the House

George Bole  
Donald Clarke

### Distinguished Member of the House

Mark Allen Rainer  
Robert Randolph Ray  
Deborah King Sacrey

### House Long Service Award

Robert Loren Countryman  
Brian D. Keith  
Sigrunn Johnsen  
Robert D. Cowdery

### Recognition of Service Award

Thomas Carl Anderson  
David A. Dolph

### Delegates Receiving the 15-Year Certificate of Service HoD

David G. Campbell  
Martin Macdermott Cassidy  
James R. Howell  
James Van Richards  
Bruce R. Swartz

### Delegates Receiving the Nine-Year Certificate of Service HoD

Thomas Carl Anderson  
Ross Alan Clark  
Stephen A. Hines  
Linda Raine Sternbach  
Christopher Stephen Swezey  
William Martin Whiting  
Steven Paul Zody

## 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

## 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

## 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 \$2,500 for the teacher's use in the classroom, and the teacher also receives \$2,500 cash, plus an expense paid trip to the next AAPG Annual Meeting to receive the award.*

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

## AAPG Division of Professional Affairs

### Life Member

Charles Sternbach

### Distinguished Service

Marty Hewitt  
Linda Sternbach

### Heritage Award

Robbie Gries

### DPA Past President's Award

Valary Schulz

### Certificates of Merit

Terry O'Hare  
Flavio J. Feijo

### Recognition of Distinction

Stephen A. Sonnenberg

### DPA Best Paper — AAPG ICE 2013

Raymond Woodward and Dan Scott

## AAPG Energy Minerals Division (EMD)

### Honorary Membership

Brian Cardott

### Distinguished Service Award

Frank Waller  
Peter Warwick

### Past President's Award

Jeremy Boak

**Certificate of Merit**

Neil Fishman

Paul Basinski

Joan Spaw

**Frank Kottowski Memorial Award  
(Best Paper 2013)**

Mark Millard and Murray J. Dighans

**President's Certificate for Excellence  
in Presentation (Oral  
Presentation 2013)**

Amgad Younes

Mohammed Al Duhailan and

Stephen A. Sonnenberg

**Loyd Carlson Memorial Award (Best  
Poster 2013)**

Patrick W. Niemeyer and John C. Hohman

Jonathon F. Syrek, Jason Mintz, José Silva,  
and Dawn Hayes

Nick A. Zajac and Per K. Pedersen

**President's Certificate for Excellence  
in Presentation (Poster  
Presentation 2013)**

John C. Hohman and Ellie D. Chuparova

**AAPG Division of  
Environmental  
Geosciences (DEG)****Public Outreach**

Kristin Marie Carter

**DEG Research Award**

Dibyendu Sarkar

**Certificate of Merit**

E. Charlotte Sullivan

N. Anne Fix

William Ambrose

Donald Van Nieuwenhuise

Jean-Philippe Nicot

Michael Jacobs

**Best Poster Presentation**

David E. Tabet

Thomas C. Chidsey, Jr.

**DEG Best Paper**

Alan S. Kornacki and

Mark A. McCaffrey

**Past President's Award**

Douglas E. Wyatt, Jr.

# 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 Gulley*	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



<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>President-Elect</b>	<b>Secretary</b>
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. Forgotsen, 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

<b>Term</b>	<b>President</b>	<b>Sections Vice President</b>	<b>Regions Vice President</b>	<b>President-Elect</b>
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 Martinson	Steve Brachman	John Kaldi	John Hogg
2015–16	John R. Hogg	Steve Brachman	Peter M. Lloyd	Paul W. Britt

<b>Term</b>	<b>Treasurer</b>	<b>Editor</b>	<b>Chairman, House of Delegates</b>
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. McGhay	Stephen E. Laubach	David H. Hawk
2011–12	Denise M. Cox	James S. McGhay	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. Shoup

## Energy Minerals Division Executive Committees

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

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

Term	President	Vice President	President-Elect	Secretary	Treasurer
1998–99	Lawrence L. Brady	Jack C. Pashin	Thomas E. Ewing	Brian J. Cardott	James C. Hower
1999–00	Thomas E. Ewing	Andrew R. Scott	Ronald L. Grubbs	Brian J. Cardott	Michael A. Wiley*
2000–01	Ronald L. Grubbs	Brian J. Cardott	Andrew R. Scott	Alexander R. Papp	Michael A. Wiley

\*Deceased

<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>President-Elect</b>	<b>Secretary</b>	<b>Treasurer</b>
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. Walles	Amy E. Sullivan	Neil S. Fishman
2009-10	Frank E. Walles	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

## Division of Professional Affairs Executive Committees

<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>Secretary -Treasurer</b>
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

<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>President-Elect</b>	<b>Secretary</b>	<b>Treasurer</b>
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

<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>President-Elect</b>	<b>Secretary</b>	<b>Treasurer</b>	<b>Past President</b>
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

<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>President-Elect</b>	<b>Secretary</b>	<b>Treasurer</b>	<b>Past President</b>
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

## Division of Environmental Geosciences Executive Committees

<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>Committee Member</b>	<b>Secretary-Treasurer</b>	<b>Editor</b>
1992–93	Bernold M. Hanson*	Susan C. Kiser	Thomas W. Rollins	William G. Murray	Richard F. Meyer
<b>Term</b>	<b>President</b>	<b>Vice President</b>	<b>President-Elect</b>	<b>Secretary-Treasurer</b>	<b>Editor</b>
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 Dingle	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

\*Deceased



# Annual Convention Locations and General Chairmen

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



## International Conference Locations and General Chairmen

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

## 2015 Fifty-Year Members

List is not comprehensive. It includes only those who attained 50-year membership in 2015.

Paul S. Ache, Jr.  
 Eitan Aizenberg  
 Thomas Bertram Anderson  
 Harold Robert Beaver  
 John Lewis Bedwell  
 Robert Edward Bell  
 James Baxter Bennett  
 Bruce Davey Benson  
 George Robert Bole  
 James Richard Boles  
 G. Martin Booth III  
 Lawrence L. Brady  
 Martha Lou Broussard  
 Alfred E. Calverley  
 Hernani Aquini Fernandes Chaves  
 Alan Raymond Clark  
 Andy Murray Coffey  
 Shimon S. Cohen  
 Ronald L. Coleman  
 Charles Sidney Cook  
 Charles Jude Corona  
 Alexander Davidson  
 James Raymond Davis  
 Edward D. Dolly  
 James Parham Evans III  
 Sherwood Moneer Gagliano  
 Forrest Allan Garb  
 Michael Frederick Geiger  
 Ashton Blanchard Geren, Jr.  
 Ronald M. Gieger  
 Lowell Eugene Gladish

Alfred Thomas Graham, Jr.  
 Robert Olvin Gross  
 Samuel Cole Guy  
 Richard Frederick Hardman  
 Eugene B. Harris  
 Charles Barry Hauf  
 James Anthony Helwig  
 John Francis Henry  
 Jay Geiger Henthorne, Jr.  
 David Leslie Hillard  
 Byron E. Hummon, Jr.  
 La Verne Doyle Hunter  
 Frank Thompson Ingram  
 Wayne Carter Isphording  
 Jacky Harlan Jackson  
 James Thomas Johnson  
 Kenneth Ross King  
 James Rowland Landrem  
 William H. Lang, Jr.  
 Timothy Campbell Lauer  
 Gary William Lauman  
 Charles Ronald Lee  
 James David Libiez  
 Larry D. Littlefield  
 Laurence O. Luebke  
 Matthew Charles Lutz  
 Conrad Eugene Maher  
 John Roger McCoy  
 Robert Eugene McKee  
 Richard L. Meinert  
 Don Raymond Miller  
 Jim Patrick Miller  
 Robert Eugene Miller  
 Malcolm H. Mossman

Carl D. Musgrove  
 David Naylor  
 William Donahue Neville  
 Joseph Cornelius Ogden  
 Assad Panah  
 Ben M. Patterson, Jr.  
 James Lancaster Payne  
 Lewis Stan Pittman  
 Ray Eugene Plumb, Jr.  
 Kenneth Wayne Priest  
 William F. Ripley  
 Philip Lloyd Ryall  
 Richard Houston Sams  
 Antonio Segovia  
 F. Carlton Sheffield  
 Houston Leale Slate  
 Alvin Harold Smith  
 Henry Irwin Snider  
 Donald E. Soholt  
 James Richard Steidtman  
 Raymond W. Stephens, Jr.  
 John Bennett Syptak  
 Carroll Morgan Thomas  
 John (Jack) B. Thomas  
 Jon Louis Thompson  
 Bruce Owen Tohill  
 Elsworth Tonn  
 Clarence Graham Tyner  
 Joe Earl Vaughan  
 Carl Frank Vondra  
 James S. Wilson  
 Sherwood Willing Wise, Jr.  
 Mac Bruce Woodward  
 William V. York

# 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 May 31, 2015

## **ARTICLE I. MEMBERSHIP**

### **SECTION 1. Membership**

Membership in this Association shall consist of the following classifications:

- (a) Members
- (b) Students
- (c) Associates

### **SECTION 2. Definition of Term "Member"**

Unless otherwise expressly provided in these Bylaws, the term "member" shall refer only to Members, as that term is used in classification "a" of Section 1 of this Article 1. Only members may hold office, vote in Association affairs, sponsor membership applications, or refer to themselves as members of the Association.

### **SECTION 3. Members**

Any person engaged in the practice or teaching of geology may apply for membership as a Member, provided the applicant holds a Bachelor's, Master's, or Doctor's Degree in geological science, including, but not limited to, geology, geophysics, earth science, geological engineering or environmental geoscience, from a college of acceptable academic standards and, in addition, has had a minimum of one (1) year of experience in the practice or teaching of geological science. The Executive Committee may waive degree requirements if in its judgment an applicant has adequate professional experience and has attained standing in the profession.

### **SECTION 4. Members Designated as Emeritus Members**

When Members in good standing in the Association, with all dues paid to date, become sixty-five (65) years of age and have been members of the Association (regardless of classification) for a total of thirty (30) years including time spent in military service, those members shall be designated Emeritus Members of this Association upon advising the Executive Director of the Association of their sixty-fifth (65th) birthday, and by requesting such designation. Thereafter the Emeritus Members shall pay fifty percent (50%) of the amount of dues for Members and shall be entitled to all privileges and advantages of membership as a Member in this Association.

### **SECTION 5. Members Designated as Honorary Members**

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

### **SECTION 6. Students**

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

### **SECTION 7. Associates**

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

### **SECTION 8. Election to Membership**

Every candidate for admission as a Member shall submit a formal application on an application form authorized by the Executive Committee, signed by the applicant, and endorsed by one (1) member in good standing stating the applicant's training and experience and such other facts as the Executive Committee shall from time to time prescribe. The Executive Committee shall be the sole judge of the eligibility of the

applicant for membership and the adequacy of the applicant's qualifications; provided, however, that the Executive Committee may not waive the endorsement or professional experience requirements set out in this Article I for applicants for admission as Members. If the Executive Committee after due consideration, judges that the applicant's qualifications meet the requirements of the Constitution and these Bylaws, the committee shall cause to be published in the Bulletin or by other suitable means, the applicant's name and the names of the sponsors. If, after sixty (60) days have elapsed since such publication, no reason is presented why the applicant should not be admitted, the applicant shall be deemed eligible to Member or Associate membership, as the case may be, and shall be notified of election to membership.

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

#### **SECTION 9. Resignation**

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

#### **SECTION 10. Loss of Membership Rights**

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

#### **SECTION 11. Reinstatement**

Any person who has ceased to be a member of whatever classification who has resigned or who has forfeited membership for nonpayment of dues may be reinstated by unanimous vote of the Executive Committee upon fulfillment of such requirements as may be established by the Executive Committee. Any person who has been expelled from membership for ethical reasons may be reinstated as provided for in Article XI, Section 7 of these Bylaws.

### **ARTICLE II. OFFICERS, EXECUTIVE-DIRECTOR, AND ASSOCIATION POSITIONS**

#### **SECTION 1. Designation**

The officers of this Association shall be the following:

- (a) President
- (b) Vice President, Sections
- (c) Vice President, Regions
- (d) President-Elect
- (e) Secretary
- (f) Treasurer
- (g) Editor

#### **SECTION 2. President**

The President shall be the chief executive officer of this Association. The President shall be spokesman for the

Association on all matters pertaining to the public; shall appoint the members of all committees within the limits prescribed in the Constitution and Bylaws; shall appoint delegates to cooperating organizations to represent the Association; and shall serve as chair of the Executive Committee. Sections elected pursuant to the provisions of Section 12 of this Article II shall be presumed for the purposes of this Section 3 to have been elected on the date of his or her predecessor's election.

#### **SECTION 3. Vice President, Sections**

The Vice President, Sections, when elected earlier than the Vice President, Regions, shall perform the duties of the President in the absence or inability of the President to serve. The Vice President, Sections, when elected earlier than the Vice President, Regions, shall assume the office of President in case of a vacancy for any cause in that office; and shall perform such duties as may be assigned by the President. 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. A Vice President, Sections elected pursuant to the provisions of Section 12 of this Article II shall be presumed for the purposes of this Section 3 to have been elected on the date of his or her predecessor's election.

#### **SECTION 4. Vice President, Regions**

The Vice President, Regions, when elected earlier than the Vice President, Sections, shall perform the duties of the President in the absence or inability of the President to serve. The Vice President, Regions, when elected earlier than the Vice President, Sections, shall assume the office of President in case of a vacancy for any cause in that office; and shall perform such duties as may be assigned by the President. The Vice President, Regions shall, with his or her other duties, concern himself or herself with the activities of the Association in respect to International Regions. A Vice President, Regions elected pursuant to the provisions of Section 12 of this Article II shall be presumed for the purposes of this Section 4 to have been elected on the date of his or her predecessor's election.

#### **SECTION 5. President-Elect**

The President-Elect shall serve for one (1) year as such and in the following year shall assume the office of President. The President-Elect shall have no administrative authority except as a member of the Executive Committee; shall become acquainted with all the details of the office of President, and generally become prepared to serve as President. The President-Elect shall be responsible for the preparation of the budget for the ensuing fiscal year for approval by the Executive Committee.

#### **SECTION 6. Secretary**

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

#### **SECTION 7. Treasurer**

The Treasurer shall supervise the receipt of all funds and, under the direction of the Executive Committee, be responsible for all disbursements of funds of the Association; shall serve

ex officio as a member of the Committee on Investments; shall give bond, the amount of which shall be determined by the Executive Committee, shall make the annual report as Treasurer, and perform such other duties as directed by the Executive Committee.

#### **SECTION 8. Editor**

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

#### **SECTION 9. Executive Director**

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

#### **SECTION 10. Terms of Office**

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

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

#### **SECTION 11. Election of Officers**

(a) These officers shall be elected from among the members of the Association by means of secret ballot in the following manner: not later than November 15 of each year the Advisory Council shall annually recommend two (2) or more candidates each for the office of President-Elect, biennially recommend two (2) or more candidates each for offices of Vice President, Sections; Vice President, Regions; Secretary; and Treasurer; and triennially recommend two (2) or more candidates for the office of Editor to stand for election during the following fiscal year, and, if elected, to serve during the second succeeding fiscal year. The Executive Committee shall approve the candidates recommended in the order (if the Advisory Council recommends candidates in a particular order) and for the office recommended by the Advisory Council unless the Executive

Committee, by the affirmative vote of not less than five of its members in each instance, alters the order in which candidates are recommended or changes the office for which a particular candidate is recommended; provided, however, that no person shall be a candidate who declines such candidacy. The Executive Committee shall annually approve two (2) candidates each for the office of President-Elect, biennially approve two (2) candidates each for the offices of Vice President, Sections; Vice President, Regions; Secretary; and Treasurer; and triennially approve two (2) candidates for the office of Editor. Candidates shall be announced to Members via email on or before December 1. Additional nominations may be made by written petition or by email of fifty (50) or more members in good standing received by the Executive Director at Association headquarters not later than January 31. A candidate or nominee for the office of Vice President, Sections must reside within the United States and be a member of a Section at the date of his or her approval by the Executive Committee as a candidate for such office as described in this Section 11 or when otherwise initially becoming a candidate or nominee for such office. A candidate or nominee for the office of Vice President, Regions must reside outside of the United States and be a member of a Region at the date of his or her approval by the Executive Committee as a candidate for such office as described in this Section 11 or when otherwise initially becoming a candidate or nominee for such office. 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. The Executive Committee shall then prepare a printed, electronic, or other suitable ballot, listing the candidates for each office, and one (1) ballot shall be mailed, electronically distributed, or distributed by other suitable means to each member on or before April 1. Such ballots may consist of any combination of printed, electronic, and other suitable ballots. Marked ballots returned to and received by the Association after May 15 shall not be counted. The ballot committee shall count the ballots promptly after May 15 and report the results to the President. A majority of all votes cast for an office is necessary for election. In case of a tie vote the Executive Committee shall cast one (1) additional deciding vote.

(b) In the event that there are more than two (2) candidates for any office, whether through petition or other means as provided for in these Bylaws, then the candidate elected to that office shall be determined as provided in this subsection (b). The ballots for offices having more than two (2) candidates shall provide for the candidates to be voted upon by the voters in order of preference; i.e., first choice, second choice, etc. The candidate receiving a majority of the first choice votes shall be elected to that office. If no candidate receives a majority of the first choice votes cast, then the candidate that received the least number of first choice votes shall be dropped from consideration, and the second choices of those voters whose first choice was the dropped candidate shall be deemed those voters' first choice. Upon a tabulation of the votes according to the provisions of the previous sentence, a candidate with a majority of first choice votes shall be elected; if no candidate yet has a majority, the candidate remaining with the least number of first choice votes shall be dropped from consideration, and the process described above shall again be applied in another tabulation of the votes to determine if a candidate has received a majority of the first choice votes. The process provided in this subsection (b) shall be re-applied until a candidate receives a majority of the first choice votes cast. In the process described in this subsection (b) the first choice of any voter in any tabulation shall be deemed to be the candidate chosen highest by that



voter after removing from that voter's selections the candidate or candidates who have been dropped from consideration prior to the pertinent tabulation.

#### **SECTION 12. Vacancies**

(a) 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 were more than one unsuccessful candidate for that office in said election, the candidate to fill the vacancy will be selected in accordance with the election process in Article II, Section 11, subsection (b), of these Bylaws. Should the unsuccessful candidate or candidates be unwilling or unable to fill such vacancy, the Executive Committee may fill such vacancy.

(b) A vacancy occurring in the office of President-Elect, Vice President, Sections, or Vice President, Regions shall be filled by mail, electronic mail, or other suitable ballot by membership, through a special election called by the Executive Committee. Any such ballot may consist of any combination of mail, electronic mail, or other suitable means.

(c) A vacancy occurring in the office of Editor shall be filled by a candidate nominated by the Advisory Council, upon the advice of the editorial board, and approved by the Executive Committee.

#### **SECTION 13. Release of Election Results**

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

#### **SECTION 14. Limitations on Association Positions**

(a) No member of any classification may hold more than one of the following offices at any one time;

Association President;  
Association Vice President, Sections;  
Association Vice President, Regions;  
Association President-Elect;  
Association Secretary;  
Association Treasurer;  
Association Editor;  
Chair, House of Delegates;  
Chair-Elect, House of Delegates;  
Secretary-Editor, House of Delegates;  
Immediate Past Chair, House of Delegates  
President of any Division;

Advisory Council member elected by any United States Section; and Advisory Council member elected by any International Region.

(b) No past president of the Association may within three (3) years after expiration of his or her term of office as such hold any of the offices listed in subsection 14(a) above.

#### **SECTION 15. Limitations on Nomination and Honors and Awards**

a) Members serving in any of the Association positions described in Section 14, sub-section (a), of this Article II, shall not be eligible to be nominated for any of the offices described in Section 14, sub-section (a), of this Article II, or selected for an

honor or award by the Executive Committee of the Association, except for an honor or award that has been determined by an impartial convention judging process. This limitation continues for one year immediately following the end of such service.

b) Candidates for the Association positions described in Section 14, sub-section (a), of this Article II, may not be nominated for any other Section 14, sub-section (a) position, while a candidate for a Section 14, sub-section (a) position, and may not be selected to receive any honor or award by any Association body, division or committee, 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 III. EXECUTIVE COMMITTEE**

#### **SECTION 1. Executive Authority**

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

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

#### **SECTION 2. Jurisdiction**

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

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

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

#### **SECTION 3. Meetings**

(a) The Executive Committee shall meet immediately before the annual meeting of the House of Delegates and at such other times during the year and at such places as designated by such Executive Committee and at the call of the President. Robert's Rules of Order shall apply at all meetings, except as the same may be inconsistent with any procedure authorized by this Section 3. A quorum shall consist of four (4) members. No proxy votes shall be allowed and no alternates may be appointed for absent members.

(b) A member of the Executive Committee may participate in a regular or special meeting by, or the meeting may be conducted through the use of, any means of communication

allowed under the Colorado Revised Nonprofit Corporations Act.

(c) Any action required or permitted to be taken at a meeting of the Executive Committee may be taken without a meeting to the full extent allowed by the Colorado Revised Nonprofit Corporations Act.

(d) 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, purpose of the meeting. Notice may be given in any manner permitted by the Colorado Revised Nonprofit Corporations Act, and shall be effective as provided by such Act. Members of the Executive Committee may waive notice as provided under the Colorado Revised Nonprofit Corporations Act.

#### **SECTION 4. Indemnification and Relief from Liability**

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

#### **SECTION 5. Amendment of Certificate of Incorporation**

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

### **ARTICLE IV. HOUSE OF DELEGATES**

#### **SECTION 1. Jurisdiction**

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

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

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

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

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

Delegates shall be selected by popular vote of American Association of Petroleum Geologists members in elections conducted annually by United States Affiliated Societies and International Regions. Voting shall be restricted to those Association members claiming the Affiliated Society or Region as their home society or region. Association members residing in the United States and not members of any United States Affiliated Society may be assigned for the purpose of voting in elections for Delegates to the nearest United States Affiliated Society upon request to that society, without enjoying any of the membership privileges. When the three-year term of office of a

Delegate from a United States Affiliated Society expires prior to an annual meeting of the House of Delegates referred to in Section 6 of this Article IV and the society has not elected a Delegate to fill the next three-year term by sixty (60) days before that annual meeting, the president of the United States Section in which the society is located shall prior to that annual meeting appoint a Delegate to serve that next three-year term. All Association members residing outside of the United States shall be assigned to the International Regions in which they reside and shall vote in that Region in elections for Delegates unless claiming a United States Affiliated Society or another Region as their home society or region. All members of an International Region shall be entitled to vote in all elections for all Delegates from that Region. Each International Region shall elect, in an election or elections in which all members of such region shall be entitled to vote, not less than one (1) Delegate from among the Association members of each Affiliated Society within that International Region. Additional Delegates, if any, to which a Region may be entitled shall be elected as determined by the Region; provided, that all Association members assigned to an International Region shall be entitled to vote in all elections of Delegates from that International Region. Any Association member may be a candidate for Delegate from the United States Affiliated Society or International Region in which the member votes upon the member's timely written request. Delegates shall be elected for three (3)-year terms and may succeed themselves; provided, however, that any Delegate elected as an officer of the House of Delegates during the third year of the Delegate's three-year term shall automatically be a voting At-Large Member of the House of Delegates for the one year such person serves as such officer. Terms of office shall begin on July 1 following their election. Vacancies in office, or alternates for Delegates unable to attend meetings of the House of Delegates may be filled or obtained from among the candidates not receiving a sufficient number of votes for election, and in order of the total number of votes received. In the event alternates for Delegates are not available from the candidates described above, then the members of a United States Affiliated Society or an International Region who are Association members may appoint alternate Delegates for said meeting. The names of these appointed alternate Delegates must be received in writing by the Headquarters office of the Association at least fifteen (15) days prior to the meeting of the House of Delegates for which they are appointed.

#### **SECTION 4. At-Large Members**

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

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

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

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

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

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

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

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

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

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

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

### **SECTION 6. Meetings of House of Delegates**

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

### **SECTION 7. Accreditation of Delegates**

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

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

### **SECTION 8. Officers of House of Delegates**

(a) The officers of the House of Delegates shall be a 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. The term of office shall be one year commencing July 1 following election of officers. The Chair-Elect shall assume the office of Chair of the House of Delegates the year following his or her term of office as Chair-Elect.

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

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

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

## **ARTICLE V. ADVISORY COUNCIL**

### **SECTION 1. Jurisdiction**

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

### **SECTION 2. Ethics and Discipline**

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

### **SECTION 3. Long-Range Planning**

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

### **SECTION 4. Constitution Review**

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

### **SECTION 5. Nominations**

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

### **SECTION 6. Honors and Awards**

The Advisory Council shall recommend recipients for all honors and awards when so directed by the Executive Committee.

### **SECTION 7. Additional Duties**

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

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

### **SECTION 8. Composition and Terms of Office**

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

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

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

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

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

#### **SECTION 9. Meetings**

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

#### **SECTION 10. Presiding Officer**

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

#### **SECTION 11. Observers at Advisory Council Meetings**

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

- (a) The Executive Director;
- (b) The President;

(c) The Chair of the House of Delegates;

(d) The chief elected officer of each Technical Division that has less than seven hundred and fifty (750) Association members, provided, that the Technical Division would otherwise qualify to elect a member of the Advisory Council were its membership not less than seven hundred and fifty (750) Association members; and

(e) The elected representative from any United States Section or International Region that has less than seven hundred and fifty (750) Association members, provided, that the United States Section or International Region would otherwise qualify to elect a member of the Advisory Council were its membership not less than seven hundred and fifty (750) Association members. Observers are not Advisory Council members, may not vote, and will not attend executive sessions of the Advisory Council unless authorized to do so by a vote of the Advisory Council.

#### **SECTION 12. Alternates at Advisory Council Meetings for Absent Members**

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

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

##### **SECTION 1. United States Sections and International Regions**

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

United States Sections shall be the:

- (a) Eastern Section;
- (b) Mid-Continent Section;
- (c) Southwestern Section;
- (d) Gulf Coast Section;
- (e) Rocky Mountain Section; and
- (f) Pacific Section;

International Regions shall be the:

- (a) Canada Region;
- (b) Latin America and the Caribbean Region;
- (c) Europe Region;
- (d) Africa Region;
- (e) Asia Pacific Region; and
- (f) Middle East Region.

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

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

## **SECTION 2. Technical Divisions**

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

## **SECTION 3. Technical Interest Groups and Special Interest Groups**

Technical Interest Groups (TIGs) and Special Interest Groups (SIGs) may be established, provided that the members interested perfect a purpose, and make application to the Executive Committee. The Executive Committee shall have the authority to establish, maintain, and dissolve these Groups of the Association.

# **ARTICLE VII. AFFILIATED SOCIETIES AND ASSOCIATED SOCIETIES**

## **SECTION 1. Affiliated Societies**

This Association may affiliate with duly organized groups or societies which serve the needs of members of the Association in geographically defined areas and which by objects, aims, constitutions, bylaws, or practice are functioning in harmony

with the objects and aims of the Association, subject, however, to the recommendations of the Executive Committee and to the affirmative vote of the House of Delegates. Affiliated Societies within the United States (referred to in these Bylaws as "United States Affiliated Societies") and International Regions shall be eligible to elect Delegates to the House of Delegates of the Association.

## **SECTION 2. Associated Societies**

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

# **ARTICLE VIII. COMMITTEES**

## **SECTION 1. Standing Committees**

Except as provided in Article XI of these Bylaws, the Executive Committee of this Association, acting on Advisory Council recommendations, shall have the authority to establish, maintain, and dissolve standing committees of the Association. In like manner, the charge to each standing committee may be modified. A list of standing committees, the charge to each committee, and the names of the chairs or co-chairs, vice-chairs, and committee members of each shall be published annually. In addition, the Executive Committee may appoint a committee manager for a standing committee who shall liaise between the committee and the Executive Committee. A committee manager for a standing committee may, but need not, be a member of such committee. The Executive Committee shall report to the House of Delegates at its annual meeting as to the establishment or dissolution of any standing committees since the last meeting of the House of Delegates.

## **SECTION 2. Appointments and Tenure**

Except as provided in Article XI of these Bylaws, the President shall appoint all committee 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 Executive Committee shall determine the number of members of each standing committee. The Executive Committee may remove any committee chair, co-chair, vice chair, or other member or committee manager with or without cause. The term of office of a member of a standing committee, unless otherwise provided in these Bylaws, shall be three (3) years beginning July 1. Appointments of chairs, co-chairs, vice-chairs, and committee managers shall be for one (1) year beginning July 1. Members of standing committees (other than chairs, co-chairs, and vice chairs) shall serve in rotating terms. One-third (1/3) of the members of each standing committee (other than the chairs, co-chairs, and vice chairs), unless otherwise provided, shall be appointed each year. No chair, co-chair, vice chair, or committee manager of a standing committee may serve as such for more than three consecutive years and no co-chair shall have served as chair at any time during the preceding year. Each chair, co-chair, and vice chair of a committee shall be a member of such committee by virtue of his or her office. Committee members shall be Association members of any classification.



### **SECTION 3. Special Committees and Delegations**

In addition to the standing committees, the President may appoint, annually, such special committees and delegations as the Executive Committee may authorize. Members of special committees shall be appointed for a term of one (1) year only and the President shall designate the chairs.

### **SECTION 4. Association Representatives to Non-Association Committees**

An Association member of any classification appointed by the Association to represent the Association as a member of a committee, board, or organization which is not part of the Association shall, subject to the provisions of the last sentence of this section, serve as such on such committee, board, or organization for not more than one (1) term, but in no event for more than five (5) years. The five (5) year limit in the preceding sentence on service during a term may be extended for not more than two extensions of one (1) year each if each extension is approved by the unanimous vote of all of the members of the Executive Committee. 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 IX. FOUNDATION**

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

### **ARTICLE X. CERTIFICATION**

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

### **ARTICLE XI. GRIEVANCE PROCEEDINGS**

#### **SECTION 1. Adoption and Publication of Implementing Procedures**

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

#### **SECTION 2. Investigation Procedure**

Charges of misconduct in violation of Article IV of the Constitution shall first be submitted in writing to the Executive

Director at Association headquarters with a statement of the evidence on which the charges are based. The Executive Director shall submit the charges to the Ethics Committee of the Association which shall be a standing committee and which shall consist of five (5) members of the technical division of the Association charged with conducting the program or programs of certification of members in professional categories and who shall be appointed by the Executive Committee of the Association for staggered three (3) year terms as members of the Ethics Committee. The provisions of Article VIII of these Bylaws shall not apply to the Ethics Committee. The Ethics Committee shall be charged with the investigation and prosecution of such charges, and may conduct such investigation as the Ethics Committee deems necessary to reasonably and thoroughly investigate the charges. If in the judgment of the Ethics Committee and after consultation with AAPG legal counsel, the evidence supports further action by the Association on the charges, the committee shall prepare and file with the Advisory Council at Association headquarters formal charges against the accused member. Upon such filing the Chair of the Advisory Council shall appoint a Hearing Body from the Advisory Council members, in accordance with Section 3 of this Article XI, and the Ethics Committee shall appoint one of its members as the prosecutor. Notwithstanding anything to the contrary contained in these Bylaws and except for proceedings pursuant to the provisions of Section 8 of this Article, disposition of the charges on any terms or conditions agreed to by all of the Ethics Committee, the Chair of the Advisory Council, and the accused member, and approved by the Executive Committee of the Association (regardless of whether such terms or conditions are listed in phrases (a), (b), (c), or (d) of Section 4 of this Article XI) may be made at any time prior to the conclusion of the proceedings provided for in this Article XI and upon such disposition all proceedings under this Article XI concerning the charges of misconduct against the accused member shall cease. The existence of allegations against any member, and the basis and content thereof, is confidential.

#### **SECTION 3. Hearing Procedure**

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

days prior to the date of the hearing, waive personal appearance and request the Hearing Body to adjudge the matter on the basis of a written statement of the member's defense accompanying such letter.

#### **SECTION 4. Decision of Hearing Body**

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

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

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

#### **SECTION 5. Appeals Procedure**

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

#### **SECTION 6. Resignation**

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

#### **SECTION 7. Expulsion**

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

#### **SECTION 8. Alternative Procedure**

Any member (a) who pleads guilty to a misdemeanor involving moral turpitude or to any felony, (b) who admits to the violation of any governmental statute, regulation, rule, or code of ethics relating to the practice of geology, or (c) who the Executive Committee determines falsely stated qualifications for membership in an application for Association membership may be expelled from membership in the Association upon a majority vote of all members of the Executive Committee of the Association.

Any member who does not plead guilty to but is convicted of a misdemeanor involving moral turpitude or of any felony or who is found by a governmental body to have violated any governmental statute, regulation, rule, or code of ethics relating to the practice of geology may be suspended from membership in the Association upon a majority vote of all members of the Executive Committee of the Association. If such a conviction or

finding is reversed on appeal, the member shall be reinstated to membership. If such a conviction or finding is not appealed or is upheld on final appeal, the member may be expelled from membership in the Association upon a majority vote of all members of the Executive Committee of the Association. If such a conviction or finding is the subject of an executive pardon, the member shall be reinstated to membership upon a majority vote of all members of the Executive Committee of the Association.

In the event that (a) expulsion of a member so pleading guilty or so admitting violation is proposed, (b) expulsion of a member for so falsely stating qualifications is proposed, or (c) suspension or expulsion of a member so convicted or so found is proposed, a date shall be set for a hearing thereon and for consideration by the Executive Committee of such proposed suspension or expulsion. The member shall be given notice in writing of the date and place for the hearing, mailed to the member by registered mail to the member's last-known mailing address not less than thirty (30) days before said date, accompanied by, as applicable, 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 for membership, and a copy of this section. At the hearing the member may appear before the Executive Committee with legal counsel, may submit oral or written statements to the Executive Committee, may present written evidence to the Executive Committee, and may present witnesses to testify on the member's behalf before the Executive Committee. The Executive Committee shall have the right to cross-examine the member and any witnesses presented by the member on the member's behalf. At the member's option, the member may, by registered letter addressed to the President of the Association at Association headquarters, postmarked not less than ten (10) days prior to the date of the hearing, request the Executive Committee to consider the matter on the basis of a written statement by the member accompanying such a letter without the personal appearance of the member before the Executive Committee. The Executive Committee, if such oral or written statements, written evidence, or testimony of witnesses are presented, shall consider said statements, evidence, and testimony prior to voting on the suspension or expulsion of the member.

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

#### **SECTION 9. Authority**

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

#### **SECTION 10. Definition**

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

## **SECTION 11. Publication of Grievance Matters**

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

## **ARTICLE XII. MEETINGS**

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

## **ARTICLE XIII. DUES**

### **SECTION 1. Fiscal Year**

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

### **SECTION 2. Dues Benefit**

The payment of annual dues for any fiscal year entitles the Member (including a Member designated as an Emeritus Member), Student, or Associate to receive without further charge a copy of the Bulletin and the Explorer of the Association for that year.

### **SECTION 3. Dues Schedule and Billing**

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

Member—Up to \$125

Member designated an Emeritus Member—Up to \$62.50

Member designated an Honorary Member—None

Student—Up to \$10

Associate—Up to \$125

The above schedule shall be subject to the following provisos:

(a) That dues are not refundable;

(b) That members having previously obtained exemption under the former Life Member category shall not be required to pay dues;

(c) Students will be reclassified as Associates twenty-four (24) months after termination of academic enrollment.

(d) There shall be three levels of annual dues for Members and Associates which shall be based on gross annual personal income in United States dollars. The levels are: 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, however, that in no event shall annual dues based on any level of annual income be less than \$20.00. A Member or an Associate whose annual income is in Level 2 or Level 3 may, at his or her option, pay dues which 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.

(e) Except as required to initiate the various dues levels as set out in subsection (d) above, that the annual change in dues for Members and Associates cannot exceed twenty percent (20%), and that this annual change is noncumulative.

Written notification by mail, electronic mail, or other suitable means shall be provided to each Member, (including each Member designated as an Emeritus Member or an Honorary Member), Student, and Associate before July 1 of each year, stating the amount of annual dues owed.

### **SECTION 4. Arrears and Suspension**

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

### **SECTION 5. Forfeit of Membership**

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

## **ARTICLE XIV. AMENDMENTS**

### **SECTION 1. Proposal of Amendments**

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

(a) Resolution by the Executive Committee;

(b) Resolution of the House of Delegates;

(c) Written proposal signed by fifty (50) members of the Association.

(d) Resolution by a majority vote of the Officers of the House of Delegates and the Chair of the Constitution and Bylaws Committee of the House of Delegates.

### **SECTION 2. Amending Procedure**

(a) Upon receipt of such proposals, they shall be referred to the Chair of the House of Delegates, who shall then forward them to (a) the Executive Committee and (b) to the Constitution and Bylaws Committee of the House of Delegates for review and a report to be presented to the members of the House of Delegates, in accordance with its Rules & Procedures.

(b) Amendments proposed by resolution of the Executive Committee, by resolution of a majority vote of the Officers of the House of Delegates and the Chair of the Constitution and Bylaws Committee of the House of Delegates, or by fifty (50) members of the Association shall within thirty (30) days of their receipt by the Chair of the House of Delegates be distributed to the Executive Committee, the members of the House of Delegates, the Constitution and Bylaws committee of the House of Delegates, the Advisory Council, and any committee or member(s) of the Association designated by the Executive Committee to receive them.

(c) Each of the bodies and members receiving proposed amendments pursuant to Section 2, paragraph (a) above, may submit comments to the Constitution and Bylaws committee of the House of Delegates not less than thirty (30) days prior to the annual meeting of the House of Delegates at which the proposed amendment is to be considered. The Chair of the House of Delegates shall cause all such comments to be sent with the proposed amendment to the members of the House of Delegates prior to such annual meeting.

(d) Each of the bodies and members to receive proposed amendments under Section 2, paragraph (b) above, may submit comments concerning amendments proposed by resolution of the House of Delegates to the Constitution and Bylaws committee of the House of Delegates not later than the next October 31st following the adoption of the resolution. The

Chair of the House of Delegates shall cause all such comments to be sent with the proposed amendment to the members of the House of Delegates as provided in its Rules and Procedures.

**SECTION 3. Publication of Amendments**

The Executive Committee shall cause proposed amendments to be published in the Bulletin or by other suitable means at

least ninety (90) days prior to the annual meeting of the House of Delegates.

**SECTION 4. Consideration of Amendments**

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