The American Association of Petroleum Geologists

The American Association of Petroleum Geologists was founded in 1917 during the infancy of the petroleum industry. Today the Association has approximately 30,000 members worldwide. Through its headquarters staff, AAPG provides many membership services and strives to facilitate advancement of knowledge in petroleum geology through publications and education programs.

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

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

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

- Advancing the science of geology, especially as it relates to petroleum, natural gas, other subsurface fluids, and mineral resources
- Promoting technology for exploring for, finding, and producing these materials in an economically and environmentally sound manner
- Fostering the spirit of scientific research throughout its membership
- Disseminating information relating to the geology and associated technology of petroleum, natural gas, other subsurface fluids, and mineral resources
- Inspiring and maintaining a high standard of professional conduct on the part of its members
- Providing the public with means of recognition of adequately trained and professionally responsible petroleum geologists
- Advancing the professional well-being of its members

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

Founders of AAPG

<table>
<thead>
<tr>
<th>William F. Absher</th>
<th>E. DeGolyer</th>
<th>L.L. Hutchison</th>
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<tbody>
<tr>
<td>Walter J. Allen</td>
<td>Alexander Deussen</td>
<td>C.E. Hyde</td>
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<td>J.M. Armstrong</td>
<td>W.E. Dodge</td>
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<td>F.L. Aurin</td>
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<td>R.F. Baker</td>
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<td>John G. Bartram</td>
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<td>Mowry Bates</td>
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<td>F. Julius Fohs</td>
<td>J. Whitney Lewis</td>
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<td>Harve Loomis</td>
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<td>D.L. Garrett</td>
<td>Hugh J. Mackay</td>
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<td>James P. Bowen</td>
<td>Robert E. Garrett</td>
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<td>H.B. Goodrich</td>
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<td>A. Stafford McCullough</td>
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<td>Dorsey Hager</td>
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<td>Huntsman Haworth</td>
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<td>J.V. Howell</td>
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<td>Richard Hughes</td>
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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.
President

FYE 2021 was an amazing year with so many new opportunities while sprinting along the razors edge of existence! At least that is what it felt like. Fiscal year 2020 to 2021 (FYE-21) should be called AAPG’s “Pandemic Year.”

As soon as the pandemic hit in early 2021, the AAPG leadership and staff did a lot of self-examination and planning for a new AAPG. Part of the early short-term strategy was to cut expenses to bring the budget down to essential services and those programs that are sponsored by corporate contributions or the AAPG Foundation. This was called “Plan A.” At the same time, we began working on longer-term strategies—Plan B. You have heard it said that “We are at our best when we prepare ourselves for the worst.” I would change that to say, “We are at our best when we prepare ourselves to avoid the worst!”

Vision involves patience. It takes time to try and understand the many pathways into the future. Although we continued to evolve our strategic vision in FYE-21, we initially focused on tactical solutions. A key issue for AAPG is that even without the pandemic impact most of key controls have been downbound for years—exploration activity, membership, sponsorship, exhibitors, advertisers, conferences, meetings, training, etc. While creating tactical plans for AAPG’s immediate survival, it became clear that we need far reaching solutions for the future of AAPG. Collaboration—strength in numbers, greater market share—were key aspects in our strategic thinking.

Lessons Learned

There were many lessons we had to learn the hard way in FYE-21 and many we already knew but had to revisit and revise. The following are a few key lessons—some are obvious, but all are important. Normally, these should go at the end of the report but it’s important for you the reader to hear them at the beginning. Think of it as eating dessert first:

Listen—During a crisis it’s easy to get distracted by all of the external geo-politics and opinions. Listen to staff and listen to the membership. During (and before) FYE-21 we started calling members to get their personal opinions. This was a great help as we began to address changes to the society.

Communicate—It is imperative to keep all factions within a society informed especially during a crisis. That is why the EC had regular meetings with all components of AAPG during FYE-21. Communication is not easy and it takes time, but it is critical to keep everyone informed and on the same page.

Strategy vs. Tactical—The board is a strategic body and can easily dive deep into tactical solutions when things are changing fast. The EC tried to focus on strategy during FYE-21 by asking various groups for help and asking members to be part of special committees. A little tactical is OK if it ties into strategy.

Relay on Staff—AAPG has a great staff led by David Curtiss and they must be allowed to make key decisions and recommendations. The staff understands the association business better than temporary volunteers. Alan Wegener understands the event business inside out, and Bryan Haws as controller can explain and provide information on finances.

Follow the Money—You don’t have to get down into the weeds to understand AAPG finances. As a volunteer pay attention to operational income and expenses on a year-by-year basis. Pay special attention to the programs providing the most revenue to the society.

Opportunities—It’s an easier path to start cutting the budget during hard times but a society cannot cut its way to success. Look for new large revenue programs that can significantly impact the association bottom line while still meeting AAPG’s mission. Especially look for those programs where AAPG can lend its name for a financial interest and also programs that take minimal staff time.

Virtual Isn’t All It’s Cracked-Up to Be—The ease of using virtual meetings is seductive due to its perceived low cost and reduced time commitment. We were able to be effective initially because we already knew many of the participants and did not have establish relationships. As time goes on, or new people join the group, this gets more and more difficult. This is why personal phone calls and face-to-face meetings are still important.

Keep Your Eye on the Ball—last but not least, make sure you constantly ask how a program is or will benefit the AAPG membership and all association professionals. This is sometimes ignored during a crisis but it’s the key to a successful association.

Ready, Get Set GO!

Work on FYE-21 started in earnest in March of 2020 as soon as the Executive Committee and staff began to understand the impact of the COVID-19 virus. It became apparent very quickly that conferences were going to be cut or eliminated. As we started making cuts to make budget, we also examined approximately 50 ways to increase revenue. David Curtiss, the directors, and staff were essential in this evaluation.

The FYE-21 AAPG Executive Committee held its first meeting on July 1, 2020. The meeting included Gretchen Gillis, president-elect; Bob Merrill, editor; Bob Shoup, vice-president Regions; Linda Sternbach, vice-president Sections; Denise Stone, treasurer; Stephanie Nwoko, secretary; and Steve Brachman, HoD chair. In addition, AAPG headquarters was led by David Curtiss, executive director; Alan Wegener, managing director of global business; Bryan Haws, director of corporate services and controller; and Susan Nash, director of innovation and emerging science/technology. As the Executive Committee and staff began the year, we could see the full impact of the COVID-19 pandemic on the AAPG budget and programs. The new Executive Committee and staff focused on three areas of immediate need: science, membership, and the budget.

Science

The reasons most professionals join AAPG is for access to science and to build relationships with other professionals. AAPG is very good at disseminating the work of our members and other professionals around the world. Of course, the main method of dissemination is the AAPG Bulletin, second is through our many conferences and forums, and third are special publications. In addition, there are the EXPLORER, website, Datapages, Search and Discovery, and educational programs. As a result of the pandemic, AAPG had to move much of its science and technology output online. The advantage of “virtual” is the society could disseminate science to more members, nonmembers and the public.
David Curtiss and staff had a daunting task of not only working virtually from home but also moving many of AAPG programs to virtual platforms within a few months. One of the first major virtual programs was the 2020 AAPG Annual Conference and Exhibition (ACE) scheduled in the spring of 2020. As a result of the pandemic, AAPG leadership decided to move the conference to a virtual meeting in the fall of that same year. The 2020 virtual ACE only registered one-third of average participants for a face-to-face Houston meeting and did not produce the large revenue that face-to-face meetings typically generate. One key take-away is that a full "virtual conference" with multiple live sessions is expensive and costs almost as much as a face-to-face meeting.

In FYE-21 improvements in science were led by AAPG Editor Bob Merrill. He brought a new management style as editor taking the responsibility of oversight of AAPG’s overall scientific output. His vision was “AAPG should be focused not only on the science presented in the AAPG Bulletin, but what the membership needs to advance them professionally.” In other words, “what technologies will propel them into the future”? During his term as editor, Merrill essentially became AAPG’s science officer. We worked with the Divisions, Committees, TIGs and SIGs to encourage and produce science for members. As a result, we were able to improve the AAPG Bulletin and EXPLORER as well as other programs. Working with Charles Sternbach and Claudio Bartolini, Merrill was able to develop special issues in the AAPG Bulletin on super basins. Other special AAPG Bulletin issues were planned during that time. These special AAPG Bulletin issues replace for the most part AAPG special publications. In FYE-21 the EC decided that only funded special publications would be brought to print.

In addition, AAPG began to develop more scientific programs on alternate energy and sustainability. Led by Mike Party, and chaired by Autumn Haagsma, AAPG held its first Carbon Capture, Utilization and Storage Conference in the second half of FYE-21.

**Membership**

The impact of lower commodity prices, global overproduction of oil and gas, and the following pandemic resulted in AAPG membership declining from 41,000 total members in 2014-2015 to less than 25,000 total members in FYE-21. The majority of AAPG members continue to work in petroleum or petroleum-related fields. There are a large number of members who want to maintain the focus on petroleum, ride the cycles and look to AAPG for depth and deliverability of science and networking. The reality is jobs drive membership. AAPG’s membership correlates directly with the number of jobs available in the petroleum industry or related careers (see graph). The majority of AAPG members are more than 45 years of age and many are still working in oil and gas. Petroleum jobs are generally tied to oil and gas prices, but they are particularly tied to exploration CAPEX. During FYE-21 and into FYE-22 the House of Delegates Membership Committee led by Bill Bosworth, John Casiano, and Kristie Ferguson along with Vicki Beighle at HQ developed a member outreach committee to contact dropped and suspended members. They also personally interviewed a number of members. A key improvement in FYE-21 was to contact suspended members after three months of not paying dues. In the past, AAPG waited until members were dropped (one year later) before they were personally contacted. As a result of the efforts by the HoD Membership Committee and the HQ staff we were able to flatten the trend of dropped Active members. At the beginning of FYE-21 AAPG had 11,959 active members, 7311 associate members and 4320 students. At the end of FYE-21, AAPG had 12,710 active members, 10030 associate members and 3980 students.

Starting in 2019 AAPG members and leadership adopted a strategic direction to support sustainable energy for science and technology and to increase membership. To that end, AAPG created the Sustainable Development Committee, and the Energy Minerals Division was asked to build new programs based on alternative energy such as geothermal and mining for rare earth minerals. When evaluating alternate energy resources and decarbonization opportunities, the AAPG leadership determined it is essential to acknowledge the job density and maturity of an industry when considering jobs and transitioning to other careers. One measure of job availability is from the Society of Petroleum Engineers-AAPG-Society of Exploration Geophysicists Members-in-Transition program (MiT), which AAPG joined in FYE-20 and expanded in FYE-21.
It provides a list of resources and potential jobs (https://toolkit.aapg.org/). During FYE-21 approximately 50 geoscience or geoscience-related jobs were identified through review of company and for-profit job websites. The MIT program provides a good measure and guide for future geoscience jobs and, hopefully, future members.

Post-pandemic the expectation will be for a leaner geoscience workforce even when the petroleum industry rebounds, and jobs will be more focused on technological enhancements and greener applications. Sustainable development of oil and gas is now a key focus with the companies belonging to AAPG Corporate Advisory Board (CAB).

Budget
At the beginning of FYE-21 the AAPG leadership focused on adjustments to the budget. In the previous year, AAPG had budgeted for a significant surplus. After the initial impact of the pandemic AAPG’s revenue dropped from nearly $17 MM to less than $13 MM in one budget cycle, and we sustained a loss of $1,172,194 in FYE-20. A review of the income-expense statement audit for FYE-21 shows operating income of $7,471,143 compared to operating income of $12,762,252 the previous year. Operating expenses for FYE-21 were $9,518,541 compared with operating expenses of $13,934,446 in the previous year. This resulted in a loss from operations of $2,047,398 for FYE-21.

The reality is that the bulk of AAPG income – about 65 percent – is derived from conferences and meetings. AAPG and sister society staffs are very efficient at running these programs but, all major meetings were canceled or postponed in FYE-21. These include key revenue-generating conferences like the Offshore Technology Conference, GEO in Bahrain, and, of course, AAPG’s annual meeting. In addition, many of the section and region meetings were canceled or postponed as well. AAPG member dues typically account for 15 percent of the budget and that income had dropped significantly from 2015.

AAPG has a backup emergency fund and through the good management of the AAPG Investment Committee and staff has a savings account roughly equal to AAPG’s current annual operating expense—greater than $10 MM. Of course, this portfolio is fully invested and fluctuates greatly with the changes in the stock market. In addition, the AAPG Foundation supports many programs, such as the Distinguished Lecturer, Visiting Geoscientist Program, Grants-in-Aid, etc.

The Foundation was asked to increase their support of these key programs in FYE-21. In addition, companies and vendors support many programs including AAPG annual meetings like the Annual Convention and Exhibition and the International Conference and Exhibition, the EXPLORER, the Imperial Barrel Award, etc., but that support is lessened as companies deal with their own budget crises.

As a result of significant budget cuts, AAPG started adapting through virtual events to survive financially and even grow in a virtual world. One benefit of this new model is that we are reaching both members and nonmembers around the world with online luncheons and webinars. One negative is it is hard to build professional relationships through virtual meetings.

Navigating the Future
AAPG made many adjustments to many programs in FYE-21. The path to “Plan B” was to cut expenses and move to fund essential service only. As a result, AAPG management cut staff by 25% in FYE-21 and cut numerous programs. For the preferred “Plan A,” the AAPG leadership began talking with sister societies about new relationships as we were all going through significant changes due to the pandemic and geo-economics regarding energy. AAPG also approached the Corporate Advisory Board and asked them for advice on membership, funding, etc. In addition, in FYE-21 AAPG leadership established Tactical Action Groups called “TAG Teams” to evaluate new relationships and opportunities. The first resulted in the joint SEG-AAPG annual meeting now called IMAGE—International Meeting for Applied Geoscience and Energy. This is an important step and will help the finances of both societies. The second, was a planned new relationship with SPE. In the last quarter of FYE-21 a TAG team carefully assessed potential opportunities and made its recommendation to the AAPG Executive Committee and SPE Board of Directors to merge the two societies into a new, multidisciplinary organization, a NewOrg, building upon our strengths as petroleum geoscientists and engineers. That proposal was then moved to the AAPG Executive Committee to consider and evaluate in FYE-22.

Crossroads
AAPG was at a crossroads in FYE-21. AAPG’s Executive Committee at that time voted to pursue “Plan A” merger with SPE as the best option. In any case, it was clear that AAPG leadership would need to find a new path and build a new society for future members. When we are considering AAPG’s future heritage we need to think about the big concepts that brought recognition and revenue to the society. We also need to be ever mindful of our professional conduct and be diverse, fair and mindful. There are a lot of young women and men who are making a tremendous impact on society both in petroleum and other fields. They have much to contribute as AAPG members. We want to make sure we create room and make them welcome.

Thanks!
Thank you to the 2020-21 AAPG Executive Committee, Advisory Council, and House of Delegates. Also, thanks to AAPG members of the Divisions, Committees, Regions, Sections, TIGs and SIGs. I am grateful to all AAPG members and supporters who worked to advise through the Corporate Advisory Board, and AAPG’s special Technical Action Groups. A special thanks to all the hard work, patience, and sacrifices made by the AAPG staff during this unusual year.

Rick Fritz
AAPG President 2020–2021

Treasurer
The COVID-19 Global Pandemic has had a profound effect on the world economy and continues to threaten a sustained recovery. It had a very negative effect on AAPG’s finances. We know that our members have been struggling just as our Association has. At the height of the pandemic, late April 2020, the price of oil even went negative. For some good news, energy (oil and gas) prices are starting to rebound, which is a very welcome turn of events. Between bankruptcies and M&A activity, there is no doubt that the number of companies supporting our organization and employing our members are fewer now than before the pandemic. Although that trend is alarming, it is not surprising as our industry is in a period of consolidation. Your Executive Committee and the staff have worked diligently during this downturn to confront the ongoing challenges while searching for ways to meet member needs. In FY 2021 we had to cancel several events and activities, which were our main sources of revenue. This cut the revenue stream and put enormous financial pressure on the Association. It was no small comfort that the same thing was happening to other not-for-profit organizations.
In response, we cut back to “essential services” reducing our staff an additional 25% in FY 2021 beyond the reductions implemented in 2015 and 2016. The intention was to reduce costs to come in-line with new lower revenue levels. Although the number of the staff is lower, we have not yet reduced programs. Given both manpower and financial constraints, we are endeavoring to provide the best service and science possible.

For AAPG in FY 2021, a large theme was online conferences and meetings as every event we hosted took place in an electronic setting. This new challenge of delivering the world-class content that our members, customers, and profession have come to expect was met head on by our events team. For the first time they launched both Unconventional Resource Technology Conference (URTeC), followed by the Annual Conference and Exhibition (ACE) using an online platform. Both events suffered reduced sponsorship, necessitated venue renegotiation, and suffered a financial loss. However, the technical content delivery was fantastic, and the organizers came up with innovative ways to keep participants engaged and involved.

Producing a meeting using an online platform added a new cost category to the picture. Unfortunately, event sponsors tell us they are also enduring financial distress and can no longer support AAPG (or any of the energy geoscience societies) at the same rate they did in the past. AAPG relies on the positive margin from events to support many of our other popular activities. The financial impact of both URTeC and ACE to AAPG in 2021 was a loss of a little under $489,000. The result is that we are really feeling the strain.

Due to the continuing decline in membership, revenue from dues is down just under $250,000 (or 13.8%) for the year compared to the prior year. We are pleased that the rate of decline has slowed as compared to the past several years. Indeed, compared to the prior year, most revenue categories are down as you would expect. In FY 2020, half the year was with pre-pandemic activities and the financial results were better.

Looking to FY 2022, our URTeC meeting was scheduled as a hybrid event in July 2021 which was welcome news after the near shutdown that took place in the second half of FY 2020. This was our first event of the new fiscal year with an in-person attendance option since the start of the pandemic. Attendance was good, both in person and on-line.

Understanding the current reality of the challenges with live events, the AAPG Executive Committee voted to join forces with the Society of Exploration Geophysicists to launch the International Meeting of Applied Geoscience and Engineering. (IMAGE) in place of our ACE that had originally been scheduled in May 2021. We are excited about the initial support we received from industry for this new initiative. We are expecting this joint activity to get traction in the marketplace as our teams become even better at working together in complimentary roles.

We continue to push ourselves and headquarters staff to be good stewards of our members’ resources. With aggressive cost saving and expense reduction efforts, overall expenses for the year were lower compared to the prior year and were lower than budget. Despite those efforts, at the end of the year, we suffered a significant financial shortfall (loss) of $2.14 million as the revenue had mostly dried up. This loss in revenue was specifically from those activities that provide positive margin for our other activities. Our positive margin generating activities are mainly conferences, both those we operate directly and those operated by our partners. All events AAPG participated in

### Statement of Income and Expenses

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<th>General Fund FY 2020-21</th>
<th>General Fund Budget FY 2021</th>
<th>Operating Income</th>
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<td>BULLETIN Subscriptions</td>
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<td>Advertising Income</td>
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<td>Sales of Publications</td>
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<td>Interest and Dividends</td>
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<td>Investment Income - Other</td>
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<td>Investment Income from NAPE</td>
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<td>Education and Misc. Service Fees</td>
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<td>Gain (Loss) on Datapages</td>
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<td>Gain (Loss) on International Pavilion</td>
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<td>Grant Income</td>
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<td>Miscellaneous</td>
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<td><strong>TOTAL OPERATING INCOME:</strong></td>
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### Operating Expenses

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<td>Meeting Presence / Display</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Conferences and Meetings</td>
<td>4,437,175</td>
<td>3,638,470</td>
</tr>
<tr>
<td>Depreciation</td>
<td>208,814</td>
<td>205,222</td>
</tr>
<tr>
<td>Dues &amp; Support - Am. Geol. Institute</td>
<td>33,555</td>
<td>20,737</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>331,026</td>
<td>439,069</td>
</tr>
<tr>
<td>Miscellaneous Grants and Awards</td>
<td>66,456</td>
<td>102,303</td>
</tr>
<tr>
<td><strong>TOTAL OPERATING EXPENSES:</strong></td>
<td><strong>13,934,449</strong></td>
<td><strong>13,508,513</strong></td>
</tr>
</tbody>
</table>

Income (loss) from Operations $(1,172,198) $(2,158,068) $(2,694,200)

### BALANCE SHEET SUMMARY

<table>
<thead>
<tr>
<th></th>
<th>General Fund FY 2020-21</th>
<th>General Fund Budget FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assets</td>
<td>$17,302,663</td>
<td>$20,152,383</td>
</tr>
<tr>
<td>Liabilities</td>
<td>5,831,349</td>
<td>7,110,908</td>
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<tr>
<td>Fund Balance</td>
<td>11,471,314</td>
<td>13,041,475</td>
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<tr>
<td><strong>Total Liabilities and fund Balance</strong></td>
<td>$17,302,663</td>
<td>$20,152,383</td>
</tr>
</tbody>
</table>
have experienced negative revenue impacts due to the global pandemic. As a qualifying not-for-profit organization, AAPG applied for and was granted nearly $1.76 million in personal payroll protection (PPP) loans from the federal government. These funds provided critical cash flow during the year and softened the cash impact of our lost revenue. These loans, or the bulk of these loans, should be forgiven after AAPG demonstrates it has complied with all loan requirements. There was no income statement effect in FY 2021 from the PPP loans.

Looking forward to FY 2022, we are going to have eight events in the upcoming fiscal year, when generally we only have five. We expect all to be margin producing. Those extra events, NAPE, OTC and URTeC less than 12 months from their date the prior year, are expected to absorb more cost and the Association may even end up in positive territory for the fiscal year. We welcome that outcome, though for long-term planning, we do not expect the anticipated temporary increase in events and event revenue to continue, as the normal 5 events schedule would resume.

The AAPG Budget Review Committee and Executive Committee are continuing to evaluate AAPG’s programs and activities to determine which should continue to be supported in these challenging economic times, and which should not. The business uncertainties facing the oil and gas industry are huge and will continue to put pressure on our pool of available resources. For this reason, we are exploring joining forces with other member organizations to find solutions. We will continue to not only focus on cost savings, but also invest in programs that provide value to our members, revenue to AAPG and promote our profession.

**Denise M. Stone**  
AAPG Treasurer

**Advisory Council**

The 2020–2021 Advisory Council was composed of 19 voting members. The six Sections were represented by Paul Hoffman and Bill Whiting, Gulf Coast Section; David Clother, Mid-Continent Section; Nic Brissette, Southwest Section; Anne Draucker, Pacific Section; Natasha Rigg, Rocky Mountain Section; and Dan Billman, Eastern Section. The six Regions were represented by Michael McWalter, Asia/Pacific Region; Ryan Lemiski, Canada Region; Femi Esan, African Region; Victor Ramirez, Latin America & Caribbean Region; Anwar Al Beaiji, Middle East Region; and the Per Bach, Europe Region. The president of the three Divisions being Ursula Hammes, EMD president; Donald Clarke, DEG president; and Meredith Faber, DPA resident. The last three voting members are John Kaldi, HoD Past Chair; Denise Cox, second past president; and myself as chair and immediate past president.

This Advisory Council had to face and overcome several hurdles that were thrown at AAPG and especially at the Advisory Council due to COVID-19 travel and meeting concerns. This was the most engaged Advisory Council that AAPG has had. The Advisory Council met 13 times via Zoom, almost every month! We started the year off with our first meeting in August where we started the process of a complete review and edit of the Rules and Procedures. This had to be undertaken as the rules did not account for an inability to meet in person. This was done in increments to address issues as they came up and incorporate changes into the Rules and Procedures, making it a yearlong process with the final version approved at the last meeting of this Advisory Council.

One big issue that came out of the 2019–2020 Advisory Council was discussing and voting on officers and honors and awards candidates using a Zoom format. There were many issues to address and clean up, so a review of voting platforms, discussion, and voting procedures were addressed and put in place for the process. At the October 20 meeting with the voting and discussion procedures in place, the Advisory Council voted on the slate of candidates to stand for election in 2021.

At the November meeting the Advisory Council discussed potential constitution and bylaws changes that would be forwarded to the EC for consideration. The recommendations forwarded to the EC were:

- Eliminate 60-day publication/waiting period for new members;
- Eliminate geology degree requirement for full membership;
- Eliminate requirement for two candidates to stand for editor position;
- Women’s Network to Division Status;
- In the bylaws where meetings are discussed, need to include virtual or hybrid meeting types;
- Filling of vacancies on Advisory Council; and
- Allowing all members regardless of membership status to vote.

The Advisory Council started a review of the long range planning. This was started in the previous year but was never fully concluded, so the process was started to try and finish, if possible, in such an uncertain environment with COVID-19 restrictions. This also led to a discussion on how AAPG can generate revenue with COVID-19 travel restrictions still in place.

With the changes previously made to the discussion and voting of honor and awards candidates, the Advisory Council started the process of selecting members for recommendation in the April 28 meeting. Due to some council members’ need to leave the meeting, it was decided to return to the topic on May 3 to complete. A letter was forwarded to the Executive Committee with the Advisory Council recommendations for the 2022 Honors and Awards.

After the announcement of the merger of AAPG and SPE, the Advisory Council had a series of meeting to discuss with President Rick Fritz and offer comments and advise. This was a very active and engaged Advisory Council, and it was my privilege to serve as the chair.

**Mike Party**  
Advisory Council chair (2020–2021)
The AAPG Foundation was established to support programs that benefit the geologic profession and the general public. Our purpose is to encourage a better understanding and advancement of the geosciences and to establish programs and fund projects that support the education, training and career enhancement for earth scientists. My report will provide an update on the Foundation’s activities and unaudited financial results for the past fiscal year which ended on June 30, 2021.

**Contributions and Program Support**

Contributions to the Foundation this past fiscal year (July 1, 2020– June 30, 2021) were remarkable this year, coming in at $2,274 MM with more than $2 MM of that coming from the Russell Dorsey Trust. Awards and grants amounted to $944,000. Contributions to the Foundation for FY 2019 were $482,000.

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

As is typical, 93% of total contributions are from AAPG members. Approximately 98% of the are from individuals and the rest of the contributions are from our corporate supporters.

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

- Grants-In-Aid $287
- Imperial Barrel Award $27
- AAPG Bulletin Fund $141
- L. Austin Weeks Undergraduate $83
- Visiting Geoscientists Fund $10
- Distinguished Lecture $33
- Deana & Paul Strunk Military Veterans $15

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

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

The U.S. Military Veterans Scholarship Program was renamed the Deana and Paul Strunk Military Veterans Scholarship Program in 2019. During the fiscal year, the MVSP committee awarded $15,000 to three veterans from across the country. You can learn more about the veteran scholarship recipients by visiting [http://foundation.aapg.org/programs/mvsp-recipients.cfm](http://foundation.aapg.org/programs/mvsp-recipients.cfm).

**AAPG Foundation Investment Portfolio**

The investment portfolio is conservatively invested and well diversified. The portfolio includes public and private equity investments, fixed income mutual funds, international investments and real estate. Last fiscal year, the Foundation’s investment portfolio benefitted from a strong investment performance and ended the year with a balance of $61.8 MM as of June 30, 2021. This compares to $49.1 MM as of June 30, 2020, $48.4 MM as of June 30, 2019, $48.5 MM on June 30, 2018, and $47.9 MM on June 30, 2017. The Foundation continued to utilize a 4% spending rate on endowed funds in support of programs.

**Governance**

The Board of Trustees at the end of June 2020 consisted of Jim Gibbs (chairman), Larry Jones (vice chairman), Mike Wisda (secretary), Lee Backsen (treasurer), Jim McGhay, and Valary Schulz.

**Trustee Associates Membership**

The AAPG Foundation would like to thank the Trustee Associates officers Martin Shields (chair), Jeff Lund (vice chair) and Valary Schulz (secretary-treasurer) for their service.

There are currently 269 Trustee Associates members.

**Other Highlights**

- Lee B. Backsen received the L. Austin Weeks Memorial Medal for 2021.
- M. Ray Thomasson was awarded the Chairman’s Award for 2021.

Your support is essential to the growth and future of AAPG Foundation programs. We thank each of you for your dedication and commitment.

Jim McGhay, Chairman
Board of Trustees
Environmental Geosciences

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

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

**DEG Officers, 2021–2022**

Miriam Winsten (president), Donald Clarke (immediate past president), Hannes Leetaru (president-elect), Herbert Volger III (vice president), Neil Sullivan (secretary-treasurer).

**Membership Trends**

DEG membership dues are $25/year. Similar to AAPG, DEG has lost members over the years, but division membership grew in 2018 and 2019. In May of 2018, the total DEG membership was 865. As of December 2021, our membership stood at 949.

**Events**

The largest planning and execution for DEG events by DEG are the ACE/IMAGE meetings. For the ACE 2021 the DEG president was on the ACE/IMAGE organizing committee to assist the sustainability and environmental-related themes. Environmental presentations included oral and poster sessions on carbon capture, storage and re-use, induced seismicity, sustainability, water and other environmental topics.

DEG organized the joint DEG-EMD luncheon at IMAGE this year. Our speaker was James Reilly, former head of the US Geological Survey, who spoke on “Can Critical Thinking Survive in the 21st Century? Climate, Science, and the Energy Transition?”

The DEG also supported, sponsored, and/or participated in:

- AAPG Energy Transition Forum.
- AAPG Energy Opportunities Executive Forums and Conference.
- AAPG CCUS Conference.
- Energy in Data Workshop.
- Regions and Section events, forums, meetings.
- AAPG Sustainable Development Committee.
- LACR Student and Young Professional Sustainable Development in Energy Contest.
- SPE Gaia Liaison.
- World Petroleum Council student/YP mentor program.

**Awards and Honors, 2021–2022**

No Awards were issued in 2020–2021. Nominations are in progress for 2021–2022.

*Miriam Winsten*

**DEG President 2021–22**

**Division of Professional Affairs**

On behalf of the 2020–2021 Division of Professional Affairs (DPA) leadership team, I’m pleased to offer the following summary of Division business from January 2021 through the first AAPG-SEG IMAGE meeting in Denver, Colorado in September 2021.

While the winter of 2020 and the spring of 2021 brought new and mounting challenges related to the ongoing COMD-19 pandemic, it became increasingly important to connect with the AAPG community virtually, not only to maintain engagement with our friends and colleagues from near and far, but also to continue our mission to be a premier resource for high-quality information on petroleum geoscience and energy.

Despite the ongoing uncertainty inherent in our collective circumstances, the Division remained focused on supporting the Association and the Division’s initiatives, including:

- Increasing the value proposition of the Division’s Board Certification program;
- Engaging in the ongoing discussion of and opportunities for the Energy Transition by participating in AAPG’s Pivoting 2021 webinar series organized by Susan Nash, AAPG’s Director of Innovation and Emerging Science and Technology;
- Organizing an outstanding Division program for our flagship event – the Annual Convention and Exhibition originally scheduled to take place in Denver, Colorado in May 2021; and
- Maintaining flexibility and agility in an ever-shifting Industry landscape.

**Achieving More Together**

Our commitment to adaptability was again tested in March 2021 when the Association announced an exciting new partnership with the Society of Exploration Geophysicists (SEG) that would combine the annual meetings of both societies into a single event for the next 5 years. As part of this agreement, the first joint annual meeting, called IMAGE, would be held September 26 to 1 October 1, 2021 in Denver, Colorado. With the timing of the new event in place and the necessity of developing programming for two different, but like-minded, audiences now apparent, the Division took great care to ensure that the Division’s programming would appeal to the membership of both organizations and be achievable in IMAGE’s proposed hybrid format. The Joint Convention Organizing Committee and the staff of both societies deserve considerable kudos for blending the components of both annual meetings in a manner that highlighted the broad experience, knowledge and expertise of both groups of energy professionals.
Making Change a Priority
In addition to the many DPA members who contributed their time and knowledge to IMAGE 2021 in the form of technical talks and posters, exhibits and countless volunteer hours, both virtual and in-person, the Division also celebrated its first in-person event since the pandemic began at the DPA Luncheon on Tuesday, September 28, 2021. We were privileged to welcome Billy M. Williams, executive vice president for ethics, diversity and inclusion at the American Geophysical Union (AGU), as our invited speaker. Williams presented an outstanding talk entitled “Cultivating Bravery and Redefining Expectations: The Role for Scientific Societies in Leading Change,” in which he discussed his background as a self-avowed “science nerd” with small-town origins, his career trajectory with DOW Chemical and how his lived experiences have helped inform the great strides AGU has made toward addressing gender harassment and bias in STEM; prioritizing diversity, equity and inclusion in AGU’s policies and practices, governance and publications; and launching AGU LANDInG (the Leadership Academy and Network for Diversity and Inclusion in the Geosciences), a “community of practice” dedicated to evolving the discussion on inequity in the geosciences by equipping stakeholders with the professional development necessary to affect institutional, organizational and cultural change. Williams concluded his talk by emphasizing that as geoscientists and STEM professionals, “We are in a unique position to lead and promote positive change – including gender equity change. Make it a Priority!” As we continue to work as an association and as individuals toward being more mindful of diversity, equity and inclusion in our thoughts and actions, Williams’ charge to prioritize change is a powerful reminder that considerable work remains to be done to promote the roles of women and minorities in STEM.

With Appreciation
It has been an honor to serve the Association membership in the capacity of DPA president and past-president. I am again indebted to the 2020–2021 DPA Executive Board (president-elect Don Burdick, past president John Jordan, vice president Bruce Falkenstein, treasurer Michael Raines and secretary Margo Liss), the Region and Section councilors, the Board of Certification and the Division committee chairs and co-chairs for their counsel and support throughout my tenure. I would also like to extend my gratitude to our AAPG administrative coordinator Diane Keim without whose support many of the activities described herein would not have been possible.

Meredith L. Faber
Division of Professional Affairs President (2020–2021)
Canada Region
2020–2021 Canada Region Officers
President: Peter Bauman 2019–2021
Vice President/Treasurer, Chris Barton
July 2020–June 2022
Secretary/Foreman: Natasha Morrison
2019–2021
Advisory Council Member: Ryan Lemiski
Past President: Maren Blair 2019–2021

Canada Region Events
The Canadian Society of Petroleum Geologists (International Division) and the AAPG Canada Region cohosted a series of eight talks over winter and spring months focused on the education and transfer of knowledge in international exploration regions.

In October 2020, the AAPG Canada Region in conjunction with the Canadian Society of Petroleum Geologists hosted a very successful Data Science Workshop for geoscientists, with another similar event in early 2021.

The AAPG Canada Region AGM was held virtually on December 15, 2020 with approximately 20 attendees.

IBA Competition
In March 2021, the super region IBA Competition with the RMS, CR, and PS. Canada Region had one team enter from the University of Calgary. The virtual competition was held and the winner of the Super Region was the Colorado School of Mines.

Student Chapters
The Canada Region currently has 12 student chapter universities across the country, however not all are active.

2021 award winners to the Student Chapter section.
- L Austin Weeks Undergraduate Grant – Kaitlyn de Morée, Carleton University
- Grants-In-Aid Fund – Carla Skinner, Dalhousie University

Young Professionals
Due to the current oil and gas pricing environment and subsequent job market, the Young Professionals program in the Canada Region has suffered serious challenges, including the loss of the Canada Region YP Committee Lead due to career changes. This position has been replaced in 2021.

Visiting Geoscientist Program
The Visiting Geoscience Program is currently suspended.

Elections
Canada Region elections were held in June 2021 to replace the Canada Region Officer position, president, secretary/foreman, and 1 HoD position.

Future Recommendations
The Canada Region is working on more creative was to allow us to expand our programming within Canada. The Canada Region will continue to evaluate the most effective way to deliver programming to its members in a highly competitive professional society environment.

Peter Bauman
Canada Region President (2019–2021)

Latin America and the Caribbean Region
Mission Statement
The mission of the AAPG Latin America and Caribbean Region (LACR) is to advance the science of geology, to equip current and future geoscientists to face energy challenges in an economically and environmentally sound manner, and to be an indispensable resource for the Region’s geoscience community.

Membership
AAPG’s Latin America and Caribbean Region (LACR) includes 2527 members, of which 77% are students and young professionals. The Region has 65 student chapters and 9 Young Professionals (YP) chapters and has 10 affiliated societies. 8 new student chapters were created in 2021.

Five LACR members received global recognition in the AAPG awards. Honorary Member Award 2021: Hernani Chaves
Distinguished Service Award: Stanley Wharton and Ana Maria Goncalves
Grover E Murray Distinguished Educator: Xavier Moonan
Young Professionals Exemplary Service Award: Lizbeth Calizaya

Executive Summary
AAPG LACR started the FY 2021 in the middle of the pandemic that posed new challenges, however, the team adapted quickly to sustain the growth and momentum throughout the region. Existing programs continued online, and the lockdown saw the symposia series that not only kept members involved and state of mind high during this pandemic but also proved LACR's ability to remain relevant and enjoy a position as the preferred source for high-quality geoscience and energy-related topics.

Because AAPG LACR has such a young membership base, the bulk of activities in the second semester of 2021 was geared to engaging young members and their peers through affordable technical content including a focus on sub-regional basins. The first semester of 2022 was focused on the mid-career and decision-maker professionals with virtual technical experiences.

FY 2021 Activity Report
The following report includes the LACR activities organized under focus areas included in the six primary region goals.

1. Advance the Science of Geology

Visiting Geoscientist Program (VGP)
The #TuesdayTalks series, launched in March 2020, continued but with a monthly virtual lecture featuring geoscientists registered with the Visiting Geoscientist Program (VGP). Between 1 July and 30 June, LACR hosted 10 #TuesdayTalks sessions, and two of the talks were offered in two languages (English and Spanish or Portuguese). This initiative drew 1,680 registrants, of which 36% were students. Interestingly, 45% of attendees were nonmembers, so AAPG LACR began to feature membership information and upcoming activities before and after each presentation. Having the VGP talks online allowed the program to reach an audience outside the region, and participants reported connecting from 50 countries.

The talks are uploaded to the AAPG Latin America & Caribbean Region YouTube channel.

Earth Science Week
From June 2021 to June 2022, 16 student chapters and YPs from 9 countries participated throughout the region organizing virtual events or activities designed to teach grade-school teachers and students about careers in Earth Science. Approximately 1,720 students
were directly reached by this cumulative effort. On May 19 the 2021 ESW theme “Water for today and for the future” was launched in a virtual zoom event that is available on the AAPG Latin America & Caribbean Region YouTube channel.

2. Promote Geoscience and Technology

**Symposia Series**
The Symposia were launched to reach the LACR geoscience community during the COVID-19 pandemic, to stay active, and to generate some income for the LACR in the second half of 2020. The high-quality, low-cost events were designed to attract geoscientists from industry and academia. Deeply discounted fees ($50 for professionals, $25 for students) enabled participants to attend without receiving company support. Registration included access to live events and/or presentation recordings and the Symposia held via Zoom with registration and marketing provided on the AAPG website.

This initiative depicted 1,242 total participants, representing 288 companies and 240 universities in 39 countries. The symposia had the support of 11 corporate sponsors and 9 geological associations or social partners.

**Online Short Courses**
Two online short courses were delivered. The first one was “Artificial Intelligence for Geosciences” by Roderick Perez with special prices offered for AAPG members. This is the first course delivered in Spanish over four Saturdays in November 2020. The 35 participants, 15 professionals, and 20 students completed the course successfully. ACGGP affiliated society was the partner. The second course was “Deepwater Depositional Masterclass” by Jon Rotzien with 29 participants, 23 professionals, and 6 students, connected from around the world.

**Virtual Technical Symposia and Offshore Exploration Summit**
In the first semester of 2021, two virtual technical events were completed successfully. Colombia 2021 VTS and Brazil 2021 VTS. The format had four technical sessions, two plenaries/keynote speakers, and one government-industry panel. The VTEs had more than 340 participants from more than 100 organizations and 30 countries. The local affiliated societies, ACGGP and ABGP, were co-organizers of the event.

Finally, the Mexico Offshore Exploration Summit brought an executive-level online event format, featuring two operator panels and a special presentation from CNH and Amexhi. The 107 participants attended from 65 organizations from 13 countries.

**Energy Opportunities Virtual Experiences**
To engage the managerial public, executive panels, and participant roundtables for decision-makers working in the energy sector were presented. The 2020 forum participants were 2,274 individuals from 75 countries.

3. Serve AAPG Members Throughout The Region
To increase regional visibility on social media, the communication and membership committee created more than 20 visual aids like promotional flyers. The YouTube channel and the Instagram account were set.

The committee generated guideline videos for the VG program (two), IBA competition (two), students members’ application process, and certificates process in the students and Young Professionals’ events. A big and meaningful campaign was of recognition to members of the regions and showing the diversity, the committee generated videos with three emeritus members, five regional leaders, and five YP leaders in the region.

As of June 2021, LACR had 3.2k followers on Facebook, 1.2k followers on Twitter, 4.2k followers on LinkedIn, and 0.5k followers on Instagram. The YouTube channel has 115 subscriptions. This tremendous increase in social platform activity has increased engagement with members and helped to promote awareness of the Association’s goals and initiatives across the region.

4. Promote Awareness of AAPG

**Distinguished Lecture Tour**
The Distinguished Lecture Program came to the region as a virtual tour in partnership with five LACR Affiliated Societies, ACGGP, ABGP, SGP, AAGGP, AGA, and AMGP. Five DLs were presented in a monthly series. The 685 attendees were engaged in this fantastic tour where Stephen Hubbard, William Lee Esch, Kristin Bergmann, Lisa Straight, and Michael Pirz presented their lectures followed by a Q&A session.

5. Develop the Next Generation of Geoscientists

**Imperial Barrel Award Competition (IBA)**
Teams from 26 universities and 10 countries participated in the 2021 LACR IBA virtual competition in April 2021. This was a high number of teams the Region attracted to the competition considering all the restrictions that the pandemic had. Due to COVID-19 restrictions, the Region semifinals featuring the top four teams were also held virtually in May 2021. Region semifinal winner, Universidade Federal do Rio de Janeiro (UFRJ), competed virtually in the global finals in June 2021 and it was the winning team of the IBA Global finals.

**Ready to Work Program**
The Ready to Work Program (RTW), an initiative geared to provide a global vision of the energy and oil and gas industry, including upstream, midstream, downstream, and soft-skills development sections for undergraduates and young professionals, evolved into a virtual space during FY 2021.

The RTW Bolivia and Suriname featured 60 speakers from at least 30 companies and 9 countries. The 34 participants represented 4 local universities. The organizing committee was composed of the YP member of their corresponding
chapters, with almost 12 YPs involved in the organization.

**Student-Young Professional Leadership Summit**

The Annual Student-Young Professional Leadership Summit took place virtually in March 2021. The Summit was sponsored by Chevron, ACCGP, and MAGA. A full day of leadership self-awareness and discovery was the central axis, two coaches from MAGA led the process. The 10 speakers participated in the career, teamwork, skills, and professional development session.

The 20 participants were selected, 11 students and 9 young professionals, 13 of them women. The leaders that attended were from Argentina, Bolivia, Brazil, Colombia, Ecuador, Mexico, Peru, Suriname, Trinidad and Tobago, Uruguay, and Venezuela. Summit attendees spent three days sharing best practices from their chapters and receiving intensive training on leadership skills, communication, and professional development.

**6. Strengthen the LACR Voice in AAPG**

AAPG LACR worked to ensure active participation in AAPG divisions and committees. The 10 Region representatives to the House of Delegates served on the Membership, Rules and Procedures, Nomination and Election, Constitution and Bylaws, and Affiliated Society Committees, and Victor Ramirez represented LACR on the Advisory Council.

Flavio Feijó, Carolina Garcia and Miguel Nicho represented LACR in DPA, DEG and EMD, respectively. Andrea Lopez of Bolivia served as treasurer of the AAPG Women’s Network, while Mayra Vargas, from Colombia, acted as regional liaison. Juan Pablo Lovecchio started as a member of the Distinguished Lecture Global committee.

Gabriela Knobelock and Elvira Gomez participated in the Sustainable Development Global Committee.

**Plans for FY2022**

As the pandemic will continue, the Energy Opportunities conference is being organized in virtual mode for the second semester of 2021. Another virtual event will be Caribbean 2021, the Technical Symposium, and E&P Summit will hold participation from students and entry-level professionals to senior management. It will also target executives, new business professionals, and investors. For the first semester of 2022, the AAPG International Conference and Exhibition will happen in Cartagena, Colombia. This will be the first in-person event in the region after the pandemic.

**Elvira Gomez**

**Gulf Coast Section**

The Gulf Coast Association of Geological Societies (GCAGS) serves as the Gulf Coast Section of AAPG. The GCAGS was formed in 1951 as an affiliation of 13 geological societies in the Gulf Coast area. GCAGS provides an organizational structure through which member societies may participate and be represented in the business of the AAPG. GCAGS serves as a forum for the discussion and publication of papers on subjects concerning the geological profession as they relate to Gulf Coast area geology. Papers presented at the annual GCAGS convention are published in the annual Transactions of the Association. GCAGS is a non-profit professional organization whose purposes are to foster education and the communication of ideas, and to provide financial support to geoscience students and faculty conducting research in the Gulf Coast region. GCAGS is served by a board of directors composed of its officers and one representative from each member society (see a full list at https://www.gcags.org/Member%20Societies/GCAGS.Member.Societies.html)

The primary activities for GCAGS in Fiscal Year 2021 were the (1) planning and execution of the GeoGulf2020 Conference, which was held September 30 – October 2, 2020 in Lafayette, and (2) planning of the GeoGulf2021 Conference in Austin, Texas. Planning of both GeoGulf 2020 and GeoGulf 2021 were significantly impacted by COVID-19 related issues.

The GeoGulf 2020 Conference was hosted by the Lafayette, Baton Rouge, and New Orleans Geological Societies. Travis Helms, 2019-2020 GCAGS president, and general chair, James Willis and other members of the GeoGulf 2020 organizing committee accomplished a herculean task of delivering a successful and safe conference in spite of scheduling and venue changes arising from COVID-19 impacts including the scheduling change of the 2020 AAPG ACE.

The GeoGulf 2021 Conference planning was also impacted by COVID-19, and the GCAGS Board supported the proposal to reschedule GeoGulf 2021 from the originally planned September 2021 dates to late October 2021 to avoid overlapping with the 2021 AAPG/SEG IMAGE Conference held September 26 – October 1.

In light of continued COVID-19 related uncertainties, the GCAGS Board also approved deferring the next GeoGulf conference until 2023 based on the Houston Geological Society’s (HGS) proposal to host GeoGulf 2023 in the Spring of 2023. The GCAGS Board approved the HGS hosting the GeoGulf conference in Houston in April, 2023. This decision reflected the Board’s view that additional planning and preparation time was prudent, and that a Spring meeting would minimize overlap with other geoscience conferences scheduled in the Fall of 2022. The GCAGS Executive Committee elected Mike Eprended, president of the HGS, as vice president of GCAGS. Mike will serve as president of GCAGS for the period January 1, 2022 through April 30, 2023. Charles Sternbach will be the general chair for the 2023 GeoGulf meeting. Notably, 2023 marks the 100th Anniversary of the HGS. GeoGulf 2023 is anticipated to be a key milestone event for the geosciences community in Houston and the greater Gulf Coast region.

**Mark W. Shuster**

**2020–2021 President, GCAGS**

**Rocky Mountain Section**

The Rocky Mountain Section – AAPG represents members in a huge geographical area in eleven states with 11 active Affiliated Societies:

- Albuquerque Geological Society – Albuquerque, New Mexico
- Four Corners Geological Society – Durango, Colorado
- Grand Junction Geological Society – Grand Junction, Colorado
- Idaho Association of Professional Geologists – Boise, Idaho
- Montana Geological Society – Billings, Montana
- Nevada Petroleum and Geothermal Society – Reno, Nevada
- New Mexico Geological Society – Socorro, New Mexico
- North Dakota Geological Society – Bismarck, North Dakota
- Rocky Mountain Association of Geologists – Denver, Colorado
- Utah Geological Association – Salt Lake City, Utah
- Wyoming Geological Association – Casper, Wyoming

During 2021 the joint AAPG/SEG IMAGE meeting was held in Denver during September. Holding the IMAGE meeting in Denver precluded the RMS from holding a standalone Section meeting.
Due to the continuing pandemic, the originally scheduled ACE was merged with SEG’s annual meeting and the date was pushed to September. This threw many plans into flux and the RMS ended up having little input into the IMAGE meeting. The RMS originally planned on holding a social event to honor our award winners, but the persistent COVID-19 pandemic caused us to cancel the event out of an abundance of caution. We look forward to holding a large celebration in 2022 to honor three years’ worth of awardees!

The 2021 RMS IBA competition was again held virtually. This year the RMS IBA was merged into a Super Region Competition with schools participating from the RMS, Pacific, and Canada. One school from each participated and the RMS school, Colorado School of Mines, won and participated in the Finals.

Of note is that the future Section IBA competitions are planned to be merged into a North American IBA competition due to decreasing participation. Hopes are once the pandemic is over, participation will increase and the IBA program will again switch to Section-based competitions.

The RMS Foundation again sent financial support to Student Chapters within the Section. Participation was down this year due to many schools being remote for much of the year. Nine schools applied for, and six were awarded grants of $1000 each.

Future RMS meetings are being planned for Denver (twice), Bismarck, and Salt Lake City. The 2022 RMS meeting will be held in Denver in July. Planning is well under way and hopes are for a full in-person meeting. This meeting also coincides with the 100th anniversary of the host society, RMAG.

The 2023 meeting is planned for Bismarck, North Dakota, tentatively for early June and will coincide with a multi-day Williston Basin core workshop. Unfortunately early plans of a joint conference with the Rocky Mountain Section of GSA fell through. Plans are being discussed with the local chapter of SPE in hopes of actively engaging their membership.

The 2024 meeting is being organized by the Utah Geological Association. No details on location or dates are known yet. After Utah, the RMS meeting returns to Denver in 2025.

Peter Bucknam
Rocky Mountain Section President
(2020–2021)
Astrogeology Objectives

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

Activities

Committee co-vice chair Doug Cook published a series of 10 informative and timely articles on the Mars Perseverance Mission in the AAPG EXPLORER. JPL Perseverance Deputy Project Scientist/Astrogeologist Katy Stack-Morgan also published a Mars Perseverance article in the AAPG EXPLORER. This article was invited by Doug Cook, who also interviewed her for the AAPG EXPLORER Live-in-Five program.


Committee co-chairs William Ambrose and Bruce Cutright published an article titled “Return to the Moon: Exploration and Resources” in the December 2021 issue of the online journal Revista de Geociencias.

Recommendations for the Present and Future

The Astrogeology Committee is considering several initiatives and activities in 2022 and the near-future. These include (1) field trip to Space Center Houston and Houston Science Museum, as well as technical sessions and luncheon presentations at the 2022 ACE meeting in Houston, in coordination with new committee member Robert Stewart, Past President of SEG, (2) establishing student chapters for young professionals, (3) coordinating meetings and presentations with Houston Geological Society, and (4) reaching out to international space organizations, particularly those actively engaged in exploration and resource development in the inner Solar System.

The Astrogeology Committee, under the leadership by new committee member Adriana Anza, is organizing a new student chapter and is planning an online technical conference in 2022 with a series of presenters on a number of topics in astrogeology and planetary science. Additional articles on Mars and the Moon are planned for 2022 issues of the AAPG EXPLORER. These articles will focus on exploration of the both the Martian and Lunar surface, as well as resource characterization.

William A. Ambrose, Bruce Cutright, Matthew Brzostowski, and Douglas Cook

AAPG Astrogeology Committee leadership

Distinguished Lecture

Due to the COVID-19 pandemic and subsequent lock down, the selection of new Distinguished Lecturers (DLs) was postponed for 2020–2021. The committee met virtually on February 4, 2021 for our annual business meeting and defined the categories for 2021. Ballots were sent out following the meeting for the 2021 candidates with voting completed in the spring of 2021. We selected the following six DLs 2021–2022:

- Denise Cox
- Laura Pyrak-Nolte
- Kurt Marfurt (SEG)
- Rebecca Dorsey
- Maria Angela Capello
- David Dewhurst

With the pandemic still affecting in-person touring, the speakers continued to record their lecture videos. We hope that some visits will be able to be arranged, even if only on a spot basis as conditions and speakers’ schedules and availability allow. However, speakers will be available free of charge, at any time, via videos and complementary podcasts that will be available on the AAPG website for downloading or streaming.

Denise Cox gave her talk on October 27 to more than 80 online participants with more than 200 preregistered, Kurt Marfurt gave his joint AAPG/SEG talk on November 10–11 to more than 417 online participants with more than 920 preregistered. Dave Dewhurst is scheduled to give his talk on January 12, 2022 with more than 50 preregistered, Maria Capello’s talk will be in February 2022, Rebecca Dorsey in March 2022, and Laura Pyrak-Nolte in April 2022. We have received several subsequent requests for Maria Capello to speak from West Virginia University, Louisiana State University, and San Diego State. We have also received several requests for videos of the talks.

In addition to a diverse group of Distinguished Lecturers for 2021–2022, we also added several new members to the committee making it one of the most diverse groups of committee members in AAPG history and as our predecessors, Kitty Milliken and Janok Bhattacharya, we also believe that it is critical to maintain a diversity of speakers and DL Committee members and expand our global reach. In general, the feedback is that this was also an extremely high-quality group of speakers, and we are confident that emphasizing diversity improves quality. In an effort to build a diverse program, with the 2018 DLs, the 2021 DLs were, for the second time in AAPG history, twice the number of women DLs, as men.

We met again in November 2021 to discuss the purpose of the DL program, the goals, and the categories for 2022. This virtual meeting was chaired by DL Committee Co-chair, Julia Wellner, with eleven of the sixteen members in attendance. The DL committee will provide nominations for DLs by the end of February 2022, meet in March to discuss the nominations, and vote on the DLs in late March. We hope to work with AAPG headquarters and announce the new DLs for 2022-2023 in late March 2022.

The virtual nature of the DL program is still the reality and allows AAPG to provide continued service and outreach with this flagship program during the global pandemic. The committee has again seen the value of including lecture videos as an integral component of the DL program going forward. However, the committee also looks forward to going back to in-person lectures, when it is safe for lecturers and audiences and hopes by the next season of DL speakers in summer.
2022 through 2023, to have the in-person component as part of the DL program again.

Marsha French, co-chair
Julia Wellner, co-chair

History of Petroleum Geology
SIG Meeting
This meeting was held online September 17, 2021

Presentation
A short presentation by Ray Sorenson on his personal collection on early (pre-Drake Well) petroleum literature recently donated to the Drake Well Museum library was presented.
- 1000 pre-Drake publications (approximately 6800 pages) with reference at top of page
- In August, Ray donated the entire collection (hard copy) to the Drake Well Museum (32 GB)
- Found several early oil discoveries reports and publications for states that had been lost.
- Collection will be discussed at a few upcoming meetings.

Current Status of HoPG Committee/SIG: Post-Pandemic Rebuilt, AAPG–SPE Merger
- Gretchen Gillis – have continued discussions and moving forward. How do they fit together? If approved then moves toward the memberships. How does everything fit together?
- Not sure if there is a History of Petroleum Engineering? Don't think so
- Gretchen believes that History of Petroleum Geology should continue if we decide to move forward.
- AAPG Foundation will be separate organization
- Joining with SPE makes AAPG stronger,
- What can HoPG do for this transition?
  - Register to go to ACE in Denver. In person or online
  - Talk to your coworkers about the importance of AAPG
  - Keep people engaged
  - Keep operating AAPG as AAPG

Planning 2022 HoPG Session (ACE – Last Week of August Houston vs. ICE – April 19-22): Ideas From Last Meeting:
ICE event April 19-22 (in person)
- https://cartegena2022.iceevent.org/save-the-date
- Do we have enough for presentations? Need about 4.
  - April 19, 2022 9am
    - Pietro and Victor Ramirez to co-chair ACE (last week in August 2022 in Houston)
    - Leads for session (Bill Demise – tentative, Ali Sloan)
  - 2022 Hindsight in Petroleum Geology
  - Potential talks for HoPG 2022 – still valid? Erika to reach out to Robbie Gries and Denise Cox about potential talks
    - Denise Stone – Kenyan basin. Worked for Amoco in the 1980s. still activity there. Committed
    - Denise Stone – Discovery of Oil in Venezuela and how it relates to her family
    - Robbie Gries – women keeping companies alive during World War 2 (Nancy House, SEG - Elizabeth Stiles kept SEG going during World War 2
    - Denise Cox – Historical people that have influenced career
    - Ray Sorenson – possible talk on the pre-drake well literature
    - Bill Demise – early drilling in North Dakota – near misses in vertical well 1920s and 1960s
    - Grant Wach – exploration on the scotia margin
    - Idea – students present remotely at the inperson meeting
- Advertising session for 2022 Contacts - Teresa Curry and Alicia Collins – Erika will reach out for options to advertise session
  - Can session be on Sunday
  - Vern to help out with advertising session within AAPG
  - Place blurbs of talks on Facebook, Twitter, LinkedIn
  - Create a Daily Smart Brief (à la SEG) or tag onto SEG's Daily Smart Brief – Nancy House contact
  - Mention in the HoPG special session that the HoPG SIG exists and is open for membership and include info on how to get involved.

Developing HoPG SIG website on AAPG
- Erika will reach out to get this initiated.
  - Build content for website with Bogdan
  - Blog http://www.aapg.org/about/aapg/overview/committees/details/articleid/577/committee-history-of-petroleum-geology
  - Upcoming events like sessions in ACE/ICE, PHI symposia, etc.
  - Summaries of our books and presentations.

Reviews and references to books, presentations, and the like by others.
- SIG membership
- List of activities (with descriptions)
- Links to sister organizations
- Links to LinkedIn, Facebook and Twitter
- Group pictures
- Past meeting notes and minutes
- Memorial website
- List of recommended books by HoPG members
  - Petroleum history Institute (annual publications)
  - www.petroleumhistory.com
  - Could publish a talk from the HoPG session
- Links to Podcasts

Linkedin
Erika will reach out to Bogdan and also Amanda
- Using LinkedIn posts instead which seem to reach more people and doesn’t require AAPG staff support.
- Get Bogdan to change the LinkedIn page from “committee” to “group”.
- Shorten the “About this Group” section
- Change banner picture to a group picture
- Add member highlights – short bios from members

Updates
- Memorial website
- International Membership – Use connections to spread word about HoPG SIG
- Potential fundraising – Can money go directly to HoPG?
  - Can we link AAPG Foundation to Amazon Smile?
- Need chairs for HoPG 2022 ACE & ICE sessions – see above section 3.

Erika Davis

Investment
At the beginning of our 2020 physical year Vanguards account amounted to $10,081,728. At the end of the year (7/1/2020), it amounted to $10,847,210. During the year we withdrew $500,000 to deposit into our Commerce Trust Bank account which is the account in which we hold our cash investments. Adjusting for the withdrawal, this amounts to an increase of 12.55% in the investment during the physical year. This compares to the 5.4% increase in the S&P 500. During that same period $1,500,000 was
withdrawn from our cash account at commerce bank.
At the end of the physical year (7/1/2020), I calculate that the internal rate of return from the beginning of the account at 13.2% By the end of the calendar year (1/1/2021) the IRR was up to 18%. During the calendar year 2020 we were up 11.3% compared to the S&P 500 of some 18%.

John Brock

Preservation of Geoscience Data
The AAPG Preservation of Geoscience Data Committee (PoGD) last met in person at the Annual Convention and Expedition in San Antonio, Texas, May 21, 2019. There was no in-person meeting in 2020 since the Annual AAPG Convention and Expedition was cancelled due to COVID-19 pandemic health concerns.

No Committee meetings were held in 2021, however several members of the committee were heavily engaged in a project to develop a Directory of Public Repositories of Geologic Materials. A working group was established as a follow-up to a webinar series organized by the Minnesota Geological Survey, the US Geological Survey (USGS) and the American Association of State Geologists in April and May 2020 to update the listing of United States and Canadian Geological Sample Repositories.

This working group includes AAPG PoGD committee members William Harrison (Western Michigan University), Beverly DeJarnett (Texas Bureau of Economic Geology), and Mojisola Kunledare (Delaware Geological Survey). Additional members included Heather Arends (Minnesota Geological Survey), Mikki Johnson (USGS), Jannine Honey (USGS), and Dave Dahl (Minnesota Lands and Minerals Division).

The group created a survey that was sent to all US states and Canadian province Repositories to gather more information about their repository with the goal of producing a comprehensive catalogue of facilities that are engaged in preserving geoscience data and materials. The group developed the survey and had it reviewed by several external reviewers and tested during the fall of 2020. The survey was distributed to US states and Canadian provinces in early February of 2021.

Submittals from US states and Canadian province repositories were received by the working group throughout the spring and summer of 2021. Results were compiled and formatted in early fall, 2021 and the final document was published on October 6, 2021.

The document is now available as a USGS Data Release at https://www.sciencebase.gov/catalog/item/6108b1abd34e8fd70565fa60

Raymond C. Arends, chair

Resource Evaluation

The Committee on Resource Evaluation (CORE), co-chaired by Margo J. Liss and Jeff Aldrich, has reorganized into several working subcommittees. CORE liaises with the Division of Professional Affairs (DPA), but reports directly to the AAPG Executive Committee (EC) through the EC Liaison. The Joint Committee on Reserve Evaluator Training (JCORET) Subcommittee, co-chaired by Bob Shoup and Margo J. Liss, liaises with the other member organizations’ JCORET committees on reserve evaluator training. The Petroleum Resource Management System (PRMS) Subcommittee, chaired by John Ritter, liaises with the other member organizations’ PRMS committees that oversee the PRMS and Storage Resources Management System (SRMS) codes. The Reserves and Resource Subcommittee, co-chaired by Jeff Aldrich and John Ritter, liaises with the USGS and evaluates other forms of resource evaluations. The reports of each subcommittee are listed below.

The JCORET Subcommittee

• The JCORET Subcommittee was reactivated with approval of the AAPG EC. Bob Shoup and Margo J. Liss were appointed as the AAPG representatives to the larger, inter-society committee and official communication was re-established. Membership of the subcommittee continues to grow.

• Working with the DPA and Continuing Education Committee, the guidelines and review process as they relate to the JCORET, were determined.

• A review of AAPG short courses began, to determine their utility towards JCORET certification.

• Courses from the AAPG JCORET committee were solicited.

The PRMS Subcommittee

• Primary responsibilities centered around providing consolidated AAPG input into the PRMS Applications Guidelines (AG). The final document is planned to be released in 2022.

• In 2021, SPE actively sought, and AAPG provided, agreement to co-sponsor the CO2 SRMS, published 2018. Co-sponsorship includes the soon-to-be-completed SRMS AG. Oversight of the newly created SRM is still being discussed.

The Reserves and Resource Subcommittee

• The Reserves and Resource Subcommittee worked with the Division of Environmental Geosciences (DEG) to formulate and promote a Water Resource Management System code (WRMS). The WRMS was submitted to the SPE through its designated representative from the Oil and Gas Reserves Committee (OGRC), Rob Bruant, and CORE, the DEG, and the AAPG are waiting on the response of the SPE.

• The Reserves and Resource Subcommittee worked with the Energy minerals Division Critical Minerals Committee (Helium Subcommittee) to formulate an editorial change to the forthcoming new AG to the PRMS that would assist helium exploration and capitalization on world financial markets. This change was submitted through the CORE PRMS Subcommittee to the SPE.

Margo Liss

Student Chapters

This year the Student Chapter Committee (SCC) has continued its efforts of improving the geological knowledge and experience of students around the globe. There are currently 110 active student chapters, 79 international, and 31 domestic within 6 regions and 6 sections of AAPG. While overall chapter numbers have declined there are 11 new student chapter applications active, with renewed interest in AAPG specifically increasing in the Latin America and Caribbean region.

Thanks to the generous financial support of our sponsors (Shell and Saudi Aramco)
the SCC hosted the second virtual ACE Student Chapter reception on Wednesday, October 13. During the virtual reception the Most Outstanding Student Chapters (small, International, Domestic, and new), as well as the Student Chapter YouTube Video awards were given. Additionally, IBA finalists were recognized, and specific acknowledgement was given to University of Louisiana for the IBA Teamwork Excellence Award and University of Kansas for the IBA Technical Innovation Award. See the list of recipients below:

YouTube Awards:
- 1st – Gadjah Mada University
- 2nd – University of Petroleum and Energy Studies
- 3rd – Central University of Ecuador

Outstanding Student Chapters:
- New – Universidad de Pamplona
- Small – Colorado State University
- International – Adam Mickiewicz University, Poznan
- Domestic – Colorado School of Mines

Local events were also held by Regions and sections to distinguish individual student chapter achievements.

This year the Student Chapter committee has been focused on rebuilding the committee in order to increase active chapters. There have been several new SCC liaisons to join this year within both the Regions and Sections, and the SCC is currently looking to fill the role of SCC co-chair. Helpful documentation has also been generated to outline all the advantages and opportunities made available to students by being an active AAPG member, with this documentation being planned to be distributed to Liaisons during the first 2022 quarterly meeting.

In 2022 the SCC plans to work more closely with the AAPG Young Professional to increase opportunities for student to interface with this demographic. The SCC will be meeting on a quarterly basis throughout 2022 to improve communication within the committee and to refocus on ways to integrate students and working young professionals. The SCC leadership attended the Young Professional mixer event during IMAGE 2021 and began talks on how to bridge the gap between AAPG student members and AAPG YP, with the intent of creating more in-person and virtual networking opportunities in 2022.

Nicole Wilson

Super Basin

Mission
The mission of the Super Basin Committee is to bring together experts on the world’s greatest energy basins to study geoscience architecture, technology, and anticipate energy opportunities. Also, to create AAPG technical programs that are well attended, yield economic surplus to AAPG, and provide a valuable scientific legacy. This legacy includes AAPG Bulletin special issues, DataPages, Search and Discovery, and multimedia archives (videos and presentations). In short: “Pack the house, make money for AAPG, leave a Legacy of intellectual property.”

Track Record
During the years 2018-2021 the Committee held 17 Super Basin-themed events attended by 5,700 individuals. Net revenue to AAPG from 3 Global Super Basin Leadership Conferences exceeded $325,000. Other Super Basin themed events supported ACE, ICE, Section, and Region technical programs. These contributed to revenues from attendees to AAPG and affiliated societies. The AAPG Super Basin Events Webpage currently hosts 59 previous presentations. (See also AAPG 2018, 2019, 2020 Annual Reports). https://superbasins.aapg.org/2020/about/global-super-basins-past-presentations

More than 5,700 geoscientists have attended AAPG super basin themed events from 2018-2021. Our goal as geoscientists is to connect the dots among the world’s greatest petroleum basins. No one is an expert in all the basins, so we

Welcome message from AAPG Super Basin Committee

Dr. Charles A. Sternbach
-President Star Creek Energy, Inc.
-101st President AAPG, 2017-18
-Research Professor University of Houston
must work together. In this effort, geoscience matters, and analogs are key. The map background above shows how geoscientists connect super basin lessons into a global neural network, connected in the fourth dimension to our heritage past, present and future. We shared a committee report October 16, 2021, with the AAPG Foundation Trustees in Pittsburgh, Pennsylvania.

**Ongoing and Future Goals/Activities**

Conferences: The Super Basin team held the Fourth Super Basin Global Leadership Conference on Jan 25-26, 2021. It was an
all-virtual two-day conference focused on North American onshore basins. You can read more about this conference in 2021 Explorer articles. Kudos to organizers, speakers, and contributors, especially Mike Party.

Sections meetings: During 2021, AAPG hosted three super basin themed programs at section meetings: SWS, MidCon, ESAAPG. Thank you to Linda Stembach, AAPG Sections vice president, conference organizers and speakers shown in the photograph. These programs attracted about 400 attendees and strengthened the content ties that bind AAPG and its Sections and the student community who often make first contact with AAPG through the Sections.

https://superbasins.aapg.org/2021/

https://www.aapg.org/resources/videos/dpa/playmaker

https://www.aapg.org/resources/videos/dpa/discovery-thinking

Aapg Giant Fields Arc GIS Database
1200 Fields, Many Attributes and references
Kudos to John Dolson (and Mike Horn)
Publications: Claudio Bartolini and Charles Sternbach have completed editing the first and second Super Basin special issue for the AAPG Bulletin, published December 2020 and June 2021. Special issues #3 and 4 are in preparation.

The goal is to complete a useful reference series on 25-30 of the world’s greatest petroleum basins that every explorer will want in their library. We are grateful to AAPG Editor Bob Merrill for supporting this initiative.

In addition, many presentations are posted on the AAPG website.

Super Basin University: We are working with field trip leaders to tie outcrops to subsurface strata in global super basins to engage students. Kudos to Linda Sternbach, vice president of Sections, for her creative use of video media to further this initiative. Paul Mann and Charles Sternbach taught a six-week graduate course on the Permian Super Basin for the University of Houston in May and June 2021. Guest lecturers included Bill Fairhurst, Bob Lindsay, Andy Pepper, Kurt Rudolph, and Mike Party. This course was well attended and well received by graduate level students.

IMAGE Meeting, Denver: On September 27, 2021 the Super Basin chair delivered the 2021 Halbouty Lecture entitled: “Super Basin Thinking-Methods to Explore and Revitalize the World’s greatest Petroleum Basins”. Here is the link to the presentation: https://www.youtube.com/watch?v=vGzt58s70Nc

Summary
The AAPG Super Basins committee continues to actively fulfill its mission, via conferences, publications, and online resources to “pack the house, provide financial benefit to AAPG, and to leave a legacy of valuable intellectual property.

Charles A. Sternbach

Sustainable Development
This fiscal year the Sustainable Development Committee remained very active on multiple fronts. Members of the committee contributed significantly to the 2021 CCUS Conference in securing keynote speakers, sponsors and moderating select sessions. Committee members are continuing to contribute to the 2022 CCUS Conference to be held in Houston in March 2022.

Following the success of the AAPG Latin America Region’s Sustainable Development Committee in the 2021 CCUS Conference, the Sustainable Development Committee decided to expand the contest to a global competition. The committee secured $30,000 in funding from the AAPG Foundation, Chevron, and BP to run the contest. Geoscientists from multiple multinational companies have volunteered to judge the contest. The contest will open on February 1, 2022. The winners will be announced at IMAGE 2022.

The Sustainable Development Committee contributed significantly to IMAGE 2021. Members chaired sessions and made presentations including one titled “Sustainable Development and the Energy Transition.” The Sustainable Development Committee are also deeply involved in ICE 2022, IMAGE 2022, and Energy Opportunities.

Two young professional members of the Sustainable Development continued to publish podcasts during the fiscal year. They interviewed a broad cross section of individuals all related to different aspects of sustainable development.

Bill Maloney
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 Deussens
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 Emby Wrather
1957 – J. P. D. Hull
1958 – Paul Weaver
1959 – Raymond C. Moore
1960 – Henry V. Howe
1961 – Clarence L. Moody
1962 – Lewis G. Weeks
1963 – Hollis D. Hedberg
1964 – Edgar W. Owen
1965 – Victor Elvert Monnett
1966 – William B. Heroy, Sr.
1967 – Carey Croneis
1968 – Maurice Ewing
1969 – Ira H. Cram, Sr.
1970 – Frank R. Clark
1971 – Frank A. Morgan
1972 – Morgan J. Davis, Sr.
1973 – Gordon I. Atwater
1974 – G. Moses Knebel
1975 – Dean A. McGee
1976 – W. Dow Hamm
1977 – Michel T. Halbouty
1978 – Kenneth H. Crandall
1979 – William Hirst Curry, Jr.
1980 – Kenneth K. Landes
1981 – Mason L. Hill
1982 – Daniel A. Busch
1983 – Grover E. Murray
1984 – Robert J. Weimer
1985 – J. Ben Carsey
1986 – Merrill W. Haas
1987 – James E. Wilson
1988 – Rufus J. LeBlanc, Sr.
1989 – Hugh Neumann Frenzel
1990 – John T. Galey
1991 – John E. Kilkenny
1992 – Sherman A. Wengerd
1993 – Robert R. Berg
1994 – William L. Fisher
1995 – John D. Haun
1996 – Bernold M. Hanson
1997 – Robert D. Gunn
1998 – Albert W. Bally
1999 – Norman H. Foster
2000 – Gerald M. Friedman
2001 – Robert M. Sneider
2002 – James L. Wilson
2003 – Peter R. Vail
2004 – Kenneth W. Glennie
2007 – Arnold H. Bouma
2008 – Fred F. Meissner
2009 – Marlan W. Downey
2010 – L. Frank Brown, Jr.
2011 – John W. Shelfon
2012 – Koenraad J. Weber
2013 – Dietrich H. Welte
2014 – Ernest A. Mancini
2015 – Paul M. “Mitch” Harris
2016 – Paul E. Potter
2017 – Lawrence D. Meckel, Jr.
2018 – Michael C. Forrest
2019 – Kenneth E. Peters
2020 – Paul Weimer
2021 – Leslie B. Magoon

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. Gratton
2011 – Daniel L. Smith
2012 – Robbie R. Gries
2013 – Stephen A. Sonnenberg
2014 – Peter R. Rose
2015 – Alfredo Eduado Guzmán
2016 – Scott W. Tinker
2017 – Edward D. Dolly
2018 – Hans H. Krause
2019 – Bernard C. Duval
2020 – Martha Lou Broussard
2021 – Mahmoud Abdulbaqi

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.

2021 Recipients

Misfir Azizharni
Hemani Aquini Fernandes Chaves
André Coajou
Thomas E. Ewing
Lee F. Krynitsk
Fiona MacAulay
Randi Martinsen
Daniel Evan Schwartz
Jeffrey B. Aldrich, 2018
Mahmoud Abdul-Baqi, 2003
Adekunle A. Adesida, 2012
Adebayo O. Akinpelu, 2010
Said Al-Hajri, 2020
Ibrahim A. Al-Jallal, 2012
Hussain M. Alotaibi, 2016
Abdulrahman Alsharahan, 2015
Donna Anderson, 2020
John Armentrout, 2014
Katharine “Lee” Avary, 2017
Albert W. Bally, 1986
William J. Barrett, 2015
Edward A. (Ted) Beaumont, 2018
István Bérczi, 2014
Lee T. Billingsley, 2012
Richard S. Bishop, 2006
Kevin Bohacs, 2019
George R. Boile, 1999
Dudley W. Bolyard, 2012
Louis C. Bortz, 1988
James “Jim” Brooks, 1993*
John R. V. Brooks, 1997*
Martha Lou Broussard, 2004
David G. Campbell, 1995
Elizabeth B. Campen, 2009
Paul A. Catacosinos, 2000
Stewart Chuber, 2004
Donald D. Clarke, 2014
James M. Coleman, 2002
David R. Cook, 2017
Robert L. Countryman, 2011
Robert D. Cowdery, 1987
Brenda K. Cunningham, 2001
Edward K. David, 2005
Gerard J. Demaison, 1995
Rebecca Lee Dodge, 2016
Edward D. Dolly, 2007
Wallace G. Dow, 2015
Bernard C. Duval, 1995*
George Eynon, 2008
William L. Fisher, 1990
Peter T. Flawn, 1985
Michel Forrest, 2016
Lawrence W. Funkhouser, 1984

* Distinguished Achievement Awardee
Distinguished Achievement Awardees

Robbie Rice Gries, 1998
Willard R. Green, 1998
Patrick J. F. Gratton, 2002
Claus Heinrich Graf, 1996*
Steven E. G. Green, 2003
William E. Gipson, 1991
Robert N. Ginsburg, 1991
Gretchen M. Gillis, 2018
Ned (E. E.) Gilbert, 2001
James A. Gibbs, 1995
Lee C. Gerhard, 1997
John J. Amoruso, 1987
John M. Browning, 1985
Jules Braunstein, 1980
Carl C. Branson, 1973
Don R. Boyd, 1989
Leslie Bowling, 1975
Arnold H. Bouma, 2007
Richard R. Bloomer, 1987
Arnold H. Bouma, 2007
Leslie Bowling, 1975
Don R. Boyd, 1989
Carl C. Branson, 1973
Jules Braunstein, 1980
John M. Browning, 1985
George S. Buchanan, 1965
Daniel A. Busch, 1978
H. P. Bybee, 1956
M. R. Campbell, 1934
Carlos Walter M. Campos, 1992
Joe Cannon, 1994
A.T. “Toby” Carleton, 2000
Everett Carpenter, 1958
J. Ben Casey, 1966

Deceased Honorary Members with Year of Election or Year of Award

John Emery Adams, 1966
Abdulla Al-Naim, 2013
John J. Amoruso, 1987
Gordon I. Atwater, 1969
Fritz L. Aurin, 1960
Andrew D. Baillie, 1990
H. B. Fuqua, 1983
N. Wood Bass, 1961
Ted L. Bear, 1988
B. Warren Beebe, 1966
Alfred H. Bell, 1962
Allan Parnell Bennison, 1999
Robert R. Berg, 1985
D. L. Blackstone, Jr., 1990
Richard R. Bloomer, 1987
Arnold H. Bouma, 2007
Leslie Bowling, 1975
Don R. Boyd, 1989
Carl C. Branson, 1973
Jules Braunstein, 1980
John M. Browning, 1985
George S. Buchanan, 1965
Daniel A. Busch, 1978
H. P. Bybee, 1956
M. R. Campbell, 1934
Carlos Walter M. Campos, 1992
Joe Cannon, 1994
A.T. “Toby” Carleton, 2000
Everett Carpenter, 1958
J. Ben Casey, 1966

Harrison Hagan Schmitt, 2006
Nahum Schneidermann, 1994
Valary L. Schulz, 2016
John W. Shelton, 1990
Roger M. Slatt, 2003
Carl J. Smith, 2001
Daniel L. Smith, 2007
Stephen A. Sonnenberg, 2008
Bill St. John, 1988
Philip H. Stark, 2012
Charles A. Sternbach, 2011
Linda Sternbach, 2020
Donald Sherwood Stone, 1994
M. Ray Thomasson, 2003
Jack C. Threet, 2008
Scott W. Tinker, 2015
Bernard P. Tissot, 1987
Harrison Lee Townes, 1997
Peter R. Vail, 1991
Arthur M. Van Tyne, 1996
Steven L. Veal, 2011
Koenraad Weber, 2004*
Paul Weimer, 2018
Robert J. Weimer, 1982
Lawrence D. Meckel, 2016
Robert J. Weimer, 1982
Lawrence H. Wickstrom, 2019
Peter Wigley, 2020
Larry D. Woodfork, 1990
Pinar O. Yilmaz, 2010

*Deceased Honorary Members

*Distinguished Achievement Awardee

22 ANNUAL REPORT
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
Myron K. Horn, 1954
J. P. D. Hill, 1951
George S. Hume, 1954
V. C. Illing, 1960
J. P. D. Hill, 1951
Robert R. Berg

*Distinguished Achievement Awardee

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 Ondinez, 1935
Edgar W. Owen, 1960
Ben H. Parker, 1966
John M. Parker, 1987
James A. Peterson, 1996
Thomas Hughes Philpott, 1993
Max G. Pitcher, 1994
Wallace E. Pratt, 1957
R. Randy Ray, 2011
R. D. Reed, 1939
Eugene F. "Bud" Reid, 1991
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. Severn, 1958
Laurence L. Sloss, 1981
G. O. Smith, 1920
Robert M. Snider, 1994
William C. Spooner, 1958
Hans Stille, 1937
Paul M. Strunk, 1999
J. A. Taff, 1934
Charles H. Taylor, 1961
John A. Taylor, 1982
Daniel J. Tearpock, 2013
W. Taylor Thom, Jr., 1958
Don F. Tobin, 1998
Arthur C. Trowbridge, 1958
Daniel Trumpy, 1964
Edd R. Turner, 1982
Marion O. Turner, 1984
W. H. Twenhofel, 1946
J. A. Udden, 1927
E. O. Ulrich, 1936
Martin Van Couvering, 1967
W. A. J. M. van der Gracht, 1936
F. M. Van Tuyyl, 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. Wengert, 1977
David White, 1919
I. C. White, 1926
James E. Wilson, Jr., 1977
James Lee Wilson, 1987
W. G. Woolnough, 1941
W. E. Wrather, 1943
Donald L. Ziegler, 1986
Peter A. Ziegler, 2009

**Norman H. Foster Outstanding Explorer Award**

The Norman H. Foster Outstanding Explorer Award (formerly the Outstanding Explorer Award 2002–2011) is given in recognition of distinguished and outstanding achievement in exploration for petroleum or mineral resources, by members who have shown a consistent pattern of exploratory success, and with an intended emphasis on recent discovery.

2002 – Richard W. Beardsley
2003 – William J. Barrett
2004 – Clayton H. Riddell
2005 – John P. Lockridge
2006 – Richard L. “Dick” Findley
2007 – Dan B. Steward
2008 – Dudley J. Hughes
2009 – Michael J. Johnson
2010 – John Amoruso, J. Denny Bartell
Larry Bartell
2011 – Douglas K. Strickland
2012 – Dan A. Hughes
2013 – William A. Zagorski
2014 – Orion L. Skinner
2015 – Hans Christen Ronnevick
2016 – Richard K. Stoneburner
2017 – Terry J. Mather
2018 – Susan Moncrief
2019 – Chengzao Jia
2020 – William D. Armstrong
Jesse Sommer
2021 – John A. Parker

**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

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**ASSOCIATION AWARDS**
to those who have distinguished themselves in service to AAPG.

1971 – August Goldstein, Jr.
1972 – Howard R. Gould
1973 – John D. Haun
1974 – John T. Galey
1975 – Jules Braunstein
1977 – George V. Cohee
1978 – Robert H. Dott, Sr.
1979 – George Copernicus Grow, Jr.
1980 – John E. Galley
1981 – Bernold M. Hanson
1982 – Donald W. Axford
1983 – Don R. Boyd
1984 – Dudley Harold Cardwell
1985 – Thomas D. Barber
1986 – Allan P. Bennison
1987 – A. T. “Toby” Carleton
1989 – George R. Bole
1990 – James A. Helwig
1991 – Toby Carleton
1992 – Edward A. Beaumont
1993 – Paul A. Catacosinos
1994 – Charles S. Hutchison*
1995 – Richard S. Bishop
1996 – Pablo Cruz-Helu*

*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.
1972 – Howard R. Gould
1973 – John D. Haun
1974 – John T. Galey
1975 – Jules Braunstein
1977 – George V. Cohee
1978 – Robert H. Dott, Sr.
1979 – George Copernicus Grow, Jr.
1980 – John E. Galley
1981 – Bernold M. Hanson
1982 – Donald W. Axford
1983 – Don R. Boyd
1984 – Dudley Harold Cardwell
1985 – Thomas D. Barber
1986 – Allan P. Bennison
1987 – A. T. “Toby” Carleton
1989 – George R. Bole
1990 – James A. Helwig
1991 – Toby Carleton
1992 – Edward A. Beaumont
1993 – Paul A. Catacosinos
1994 – Charles S. Hutchison*
1995 – Richard S. Bishop
1996 – Pablo Cruz-Helu*
ASSOCIATION AWARDS

Gustavas Warfield Hobbs IV
Maria Antonieta Lorente*
Rafael Sanchez-Montes de Oca*
Peter R. Rose
Roger M. Slatt
Carlos Maria Urien*

1997 – Lee T. Billingsley
Stewart Chuber
Walter P. Grun*
Terry L. Hollrah
Frank Horvath*
John George Kaldi*
Susan M. Morrice
Emiliano Mutti*
David G. Roberts*
Dan L. Smith
Anthony Tankard

1998 – Kevin T. Biddle
Patrick J. F. Gratton
C. Dennis Irwin, Jr.
David A. L. Jenkins
Brian D. Keith
Hans H. Krause
Celso Fernando Lucchesi*
Raul Mossmann*
F. Pierce Pratt
Edward G. Purdy*

1999 – Abdulla H. Al-Naim*
Jean Dercourt*
Richard Hardman*
Ed W. Heath
James A. Noel
Roy D. Numi
Douglas Gene Patchen
Edward B. Picou, Jr.
Stephen A. Sonnenberg

2000 – Edward D. Dolly
Peter M. Lloyd*
J. Michael Party
Robert T. Sellars, Jr.
Robert C. Shoup
Dietrich Welte*
Pinar Oya Yilmaz

2001 – Elizabeth B. Campen
Chuck Caughey
Ian Derek Collins
Robert L. Countryman
Ben D. Hare
Jean L. Lemmon
Tom Mairs
Wolfgang E.
Schollberger

2002 – Thomas S. Ahlbrandt
Jeffrey Aldrich
Donald D. Clarke
John R. Hogg

2003 – Norbert E. Cygan
Donald W. Lewis
Steven L. Veal
Paul Weiner

2004 – Royce P. Carr
Pete G. Gray
Jeanne E. Harris
Barry J. Katz

2005 – Adebaya Akinpelu
Thomas C. Chidsey, Jr.
Thomas E. Ewing
Richard G. Green
Gerald E. Harrington
R. Randy Ray
Charles Alan Sternbach
Jack C. Threat
Scott W. Tinker

2006 – Martin D. Hewitt
Neil F. Hurley
John George Kaldi
Larry C. Knauer
Jeffrey W. Lund

2007 – Adekunle A. Adesida
Alfredo E. Guzman
Andrew Hurst
John C. Lorenz
Eric P. Mason
Valary L. Schulz

2008 – Katharine Lee Avary
John (Jack) D. Edwards
Barry A. Goldstein
Douglas C. Peters

2009 – Alistair R. Brown
Larry L. Jones
Mike J. Lakin
Dalton F. Lackman
Kenneth M. Mallon
Randi S. Martinsen
Robert C. Mummery
John E. Ritter
Stephen L. Shaw
Jack H. West

2010 – Martin M. Cassidy
Rebecca L. Dodge
Bob A. Hardage
Dwight “Clint” Moore
Terence G. O’Hare
Craig W. Reynolds
John W. Robinson

2011 – Deborah A. 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
Adedajo R. Ojelabi
Victor H. Vega
Mark L. Wilson

2013 – Eugene L. Ames III
Mark J. Gallagher
Frances J. Hein
Joseph J. Lambiase
Stephen D. Levine

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. Goosby

2015 – Ronald F. Broadhead
Ross A. Clark
Denise M. Cox
John Dolson
Meredith Faber
William S. Houston
Mark W. Longman
John A. Minch
James F. Reilly
Gabor C. Tari
Petr Wickley

2016 – Abdulkader M. Afifi
Sa’id Al-Hajiri
Paul J. English
Peter Hennings
Arthur H. Johnson
Stephen E. Laubach
Geir Lunde
Terrylyn M. Olson
Debra Purfoy Osborne

2017 – Fowzia Hussain Abdullah
Anwar M. Al-Bea'i
Sylvia M. C. Anjos
Mary Broussard
Richard D. Fritz
Creties D. Jenkins
Kurt Neher
Robert N. Ryan, Jr.
Lawrence H. Wickstrom

2018 – Peter William Baillie
Richard Ball
Steven Brachman
Cynthia Huggins
Jon R. Schwalbach
Michael L. Sweet

2019 – Ibrahim A. Alghamdi
Marvin Brittenham
Satinder Chopra
John B. Curtis
Evelyn Medvin
Kenneth E. Nemeth
Tim Rynott
K. B. Trivedi
John T. Williams

2020 – Jonathan P. Allen
Jon Blickwede
Jonathan Craig

2021 – Sam Akande

*Special Commendation Awardee
Grover E. Murray Memorial Distinguished Educator Award

The Grover E. Murray Memorial Distinguished Educator Award (formerly the Grover E. Murray Memorial 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 E. 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
1997 – George B. Asquith
1998 – Gerard V. Middleton
1999 – D. L. Blackstone, Jr.
2000 – Robert R. Berg
2001 – John W. Harbaugh
2002 – Zuhair Al-Shaieb
2003 – Albert V. Carozzi
2004 – Knut O. Bjølykke
2005 – Aureal T. Cross
2006 – G. Randy Keller
2007 – Janok P. Bhattacharya
2008 – Robert S. Gray
2009 – S. George Pemberton
2010 – J. Frederick Read
2011 – Lawrence D. Meckel
2012 – Andrew Hurst
2013 – Carlton E. Brett
2014 – Joseph A. Cartwright
2015 – Samuel O. Akande
2016 – Brenda L. Kirkland
2017 – Norman J. Hyne
2018 – Frank Ettensohn
2019 – Michael Grammer
2020 – Paul Mann
2021 – Xavier Moonen

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. Crummy (for leadership in creating a technical workforce for the nation’s energy industry)
1999 – Sarah G. Stanley (for leadership in the development of 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 Tamasis (for contributions to the education of geologists and for achievements in Philippine petroleum exploration)
2003 – Waverly C. 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)
2006 – Roy H. Gabrielsen (for leadership
of academic and industrial petroleum research)

2007 – Richard D. Fitz (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
Aki F Ali Narimanov

2010 – Robert W. Allen
George P. Mitchell

2011 – Anthony Done
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))

2016 – Gary Burchfield (For flawlessly documenting AAPG and its members, volunteers, leaders, and honorees as they advance the science of geology, promote technology, and inspire high professional conduct)

2016 – William Aubrey Cobban (Bill Cobban was an exceptional field collector, geologist, paleontologist, biostratigrapher, mapmaker, mentor who made the biostratigraphy of the Western Interior marine Cretaceous clear and understandable)

2017 – Julia Gardner (Julia Anna Gardner was a remarkable and avid explorer, a brave warrior, and deeply humane human being whose expertise in multiple areas was profoundly utilized)
Zhongjian Qiu (For pioneering work leading to numerous major oil and gas discoveries and outstanding leadership in petroleum exploration in China for over six decades)

2019 – E. Allen Merewether (For providing the stratigraphic framework for geologic and energy resources investigations of the Cretaceous in the western interior and Rocky Mountain regions)

2020 – Fred Schroeder (Fred Schroeder is impactful in many components of petroleum exploration, especially seismic stratigraphy. His dedication to educating students around the globe has helped thousands) Margo and Ted Timbel (Margo and Ned Timbel started a nonprofit that provides free yoga classes to veterans and military personnel, their families, and supporters, to help veterans develop tools to cope with post-traumatic stress and post-traumatic stress disorder)

2021 – Mark Kirschbaum (For a career of public service in energy-related issues, contributions to our knowledge of stratigraphy, and generosity in sharing his time with the geologic profession)

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
1983 – Daniel N. Miller, Jr.
1984 – John Wesley Rold
1985 – Joseph J. Simmons III
1986 – Robert D. Gunn
1987 – Jack G. Elam
1988 – Charles J. Mankin
1989 – John A. Taylor
1990 – Cyril J. Perusek
1991 – John David Love
1992 – John H. Gray
1993 – Virgil E. Barnes

1994 – William Kennon McWilliams, Jr.
1995 – Norbert E. Cygan
1996 – Alan L. DeGood
1997 – Samuel T. Pees
1998 – Mary Elizabeth Dowse
1999 – James E. Brooks
2001 – Patty Holyfield
2002 – M. Lee Allison
2003 – Charles E. Brown II
2004 – John C. Dolson
2005 – John W. Hickenlooper
2007 – Peter T. Flawn
2008 – Ashton F. Embry
2009 – Owen R. Hopkins
2010 – Thomas C. Bergeon
2011 – Mark J. Doelger
2012 – No Recipient
2013 – Alex S. Broun
2014 – John H. Gray
2015 – John B. Curtis
2016 – Lawrence Anna
2017 – Friends of Dinosaur Ridge

1999 – Elizabeth Anne Elliott

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 – Ellen G. Finlay
2000 – John D. Sorial
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
1987 – John McPhee
1988 – No Recipient
1989 – Horst Heise
  Stephen Schwochow
1990 – William Rintoul
1991 – Robert T. Bakker
1992 – Richard F. “Rick” Williamson
  Daniel Yergin
1993 – Stephen Jay Gould
1994 – John R. Horner
1995 – Wallace R. Hansen
1996 – Lee C. Gerhard
  Linda Davis Harrar
1997 – Donald L. Baars
  John Paul Pitts
1998 – Walter Alvarez
1999 – Sarah Andrews
2000 – Walter Youngquist
2001 – Mountain Press
2002 – No Recipient
2003 – Ron Redfern
  Simon Winchester
2004 – Halfdan Carstens
  Halka Chronic
2005 – Bill Bryson
2006 – Michael Crichton
2007 – Michael J. Economides
2008 – Tyler Priest
2009 – No Recipient
2010 – No Recipient
2011 – Ronald C. Blakey
  Tom Zoellner
2012 – Nick Eyles
2013 – Kirk Johnson
  Ray Troll
2014 – Harry Lynch
  Scott W. Tinker
  Scott D. Sampson
2015 – Iain S. Stewart
2016 – Ben Gadd
  Kirk Johnson
  Ian Miller
2017 – Michael Collier
2018 – Wayne Ranney
2019 – Aaron Haber
2020 – Janine Krippner
2021 – Christopher Aiden-Lee Jackson
  Michael Wysession

Vlastimila (Vlasta) Dvořáková International Ambassador Service Award
The Vlastimila (Vlasta) Dvořáková International Ambassador Service Award is given to members who have promoted growth, awareness of AAPG internationally, and created opportunities for the Association to reach a wider audience of geoscientists.

2018 – David C. Blanchard
  Gilbert Erelurnhe Odior
2019 – Chuck Caughey
2020 – Gabor C. Tari
2021 – Peter Grant

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

2017 – Aisha A. Al-Bulusi
  Catherine E. Campbell
  Nick Laglièrè
  Ryan Lemiski
2018 – Ola Adly Fakhray Mohamed
  Dwandari Ralanarko
2019 – Olatunbosun Afolayan
  Low Wan Ching
  James Hunter Lockhart
2020 – Sean Kimiagar
  Kristen Lee Wooden
2021 – Lizbeth Calizaya
  Anna Phelps

Wallace E. Pratt Memorial Award
The Wallace E. Pratt Memorial Award (formerly a category of the President’s Award) is to honor and award the author(s) of the best AAPG Bulletin article published each calendar year. The cash award is $1,500.

1982 – Roelof J. Murris
1983 – James K. Crouch
1984 – William E. Galloway
  David K. Hobda
  Kinji Magara
1985 – Carr P. Dishroon, Jr.
  Dave Russell Kingston
  Philip A. Williams
1986 – Tod P. Harding
1987 – Tod P. Harding
1988 – Shankar Mitra
1989 – Bernard P. Tissot
  Regis Pelet
  Philippe Ungerer
1990 – Charles D. Winker
  Richard T. Buffler
1991 – David Richard Dawson Boote
  Robert Bruce Kirk
1992 – David Trowbridge Lawrence
  Mark A. Doyle
  Tom Aigner
1993 – Gerard J. Desmarest
  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
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
1949 – W. M. Laird
1950 – F. M. Swain
1951 – Walter B. Spangler
1952 – Raymond Siever
1953 – Donald F. Towe
1954 – Charles C. Bates
1955 – Paul V. Smith, Jr.
1956 – J. Law
1958 – John C. Ludwig
1959 – John M. Andrichuk
1960 – Robert L. Folk
1961 – Richard W. Fetzer
1962 – J. G. C. M. Fuller
1963 – P. G. Temple
1964 – James M. Forgetson, 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
1976 – Todd P. Harding
1977 – Daniel A. Busch
1978 – Tod P. Harding
1979 – Robert M. Mitchum, Jr.
1980 – Bulletin
1981 – Bulletin
1982 – Special Publication
1983 – Michel T. Halbouty
1984 – George B. Asquith
1985 – Albert W. Bally
1986 – Gerard Demaison
1987 – Orville Roger Berg
1988 – James A. Peterson
1989 – Albert W. Bally
1990 – Peter A. Ziegler
1991 – Anthony J. Tankard
1992 – John C. Van Wagoner
1993 – Kevin Thomas Biddle
1994 – Roger W. Macqueen
1995 – Diana Morton-Thompson
1996 – Leslie B. Magoon
1997 – Anthony Tankard
1998 – Martin P. A. Jackson
1999 – Ronald C. Sourdun
2000 – Ben E. Law
2001 – John F. Jordan
2002 – Marcio L. Mello
2003 – Marlan W. Downey
2004 – Alan R. Huffman
2005 – Peter A. Scholle
2006 – G. Michael Grammer
2007 – Amos Salvador
2008 – P. M. (Mitch) Harris
2009 – Tor H. Nilsen
2010 – Stephen P. Cumella
2011 – Claudio Bartolini
2012 – David W. Houseknecht
2013 – Seymour O. Schlanger
2014 – Paul M. (Mitch) Harris
2015 – Robert J. Cordell
2016 – William H. Roberts, III
2017 – Joseph R. J. Studlick
2018 – Roger D. Shew
2019 – Gary S. Steffens
2020 – Joseph R. J. Studlick
2021 – Juan Rogelio Roman Ramos

ASSOCIATION AWARDS 29
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.

SEG/AAPG Best Paper in Interpretation Journal Award

1999 – Andrew David Hindle
2000 – Sebastian Galeazzi
2001 – Antony Reynolds
2002 – Lesli J. Wood
2003 – No recipient
2004 – Tobias H. D. Payenber
2005 – No Recipient
2006 – No Recipient
2007 – No Recipient
2008 – Alejandro Escalona
2009 – David R. Pyles
2010 – David R. Pyles
2011 – David M. Dutton
Bruce D. Trudgill
2012 – Alexei V. Milkov
2013 – Peter E. K. Deveugle
Klaas Verwer
2014 – Joseph M. English
2015 – Mark R. P. Tingay
2016 – Robert J. Heller
John Vermynlen
2017 – Joseph M. English
Luke Ferreira
2018 – Jinyu Zhang
2019 – Yuanja Han
Sylvain Bernard
2020 – Lei Jiang
2021 – Tess Menotti

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
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. Hanwood
1990 – L. M. "Mike" Grace
Paul Edwin Potter
R. Gordon Pirie
1991 – Kate S. Weissenberger
1992 – Erik R. Lundin
1993 – Jesus Maguregui Solaguren
1994 – Rob B. Leslie
1995 – John R. Sutter
Kevin M. Bohacs
1996 – Cynthia L. Blankenship
Douglas A. Stauber
David S. Epps
Chuck Guderjahn
John D. Oldroyd
1997 – James C. Niemann
1998 – Hege Mait Nordgård Bolås
Christian Hermanrud
EirikVik
Brita 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 – Vitori Dos Santos Abreu
Thomas David De Brock
Kendall Meyers
Dag Nunnefjeld
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 Haeford
Robert A. Scott
Stephen J. Vincent
2006 – Hege Marit Nordgård Bolås
Christian Hermanrud
Gunn Mari Grimsso Teige
2007 – George W. Shurr
Thomas N. Haggar
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 Shippe
Willern Hack
J. Larry Gibson
Fa Dawn
2012 – Roger M. Slatt
Younane Abousleiman
2013 – Simon Campbell
Stanislaw Mazur
Nicola Henshaw
Ahmed Salem
Adriano Sebastian
Jane Saweka
Artur Oliveira
2014 – Satinder Chopra
Ritesh Sharma
2015 – Rosanne McKernan
Julian Mecklenburgh
Ernest Rutter
Kevin Taylor
Stephen J. Covey-Crump
2016 – Xuejun Wang
Lirong Dou
Yuguang Zhao
Demin Mao
Qunwei Zhang
Xiaodong Wei
2017 – Jenna M. DiMarzio
Svetoslav V Georgiev
Holly Stein
Judith Hannah
2018 – Katie-Joe McDonough
Kenneth McDermott
Elisabeth Gillbard
Kyle Reuber
Jim Pindell
Brian W. Horn
2019 – Toti Larson
Benjamin P. Smith
Nicholas P. Ettinger
2020 – Jacob Covault
Zoltan Sylvester
Michael R. Hudec
Can Ceyhan
Dallas B. Dunlap
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 J. 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

Gulf Coast Section
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
Mark Findelbach
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. Hutchison
1990 – Michael P. Prescott
1991 – Andrew J. Davidoff
1992 – Harry H. Roberts
Douglas J. Cook
Mark K. Sheddlo
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
Rocco Detorno, 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

1993 – Robert E. Davis
1994 – Stephen F. Nowacxewski
1995 – Nicholas B. Harris
1996 – James A. Drahozval
1997 – Robert Marc Bustin
C. R. Clarkson
1998 – T. Joshua Stark
Lawrence H. Wickstrom
Timothy R. Carr
John A. Rupp
Beverly Seyler
Scott W. White
1999 – David M. Morse
2000 – John R. Hogg
2001 – James A. Drahozval
Lawrence H. Wickstrom
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
2015 – Thomas M. (Marty) Parris
2016 – David R. Blood
2017 – Thomas (Marty) Parris
Paul Hackley
Steve Greb
Cortland Eble
2018 – Patrick Rutty
2019 – James M. McDonald

1987 – James M. Coleman
1998 – J. Fred Read
1999 – Albert S. Wylie, Jr.
2000 – J. C. Flores
2001 – T. Joshua Stark
2002 – Richard Smosna
2003 – James W. Castle
2004 – Lisa K. Goetz
2005 – No Recipient
2006 – Mary L. Barrett
John P. Goodson, Jr.
2007 – Angela McDonnell
Mike Hudec
Martin P. A. Jackson
2009 – John B. Wagner
Robert Loucks
Robert Reed
Stephen Ruppel
Ursula Hammes
2011 – No Recipient (meeting canceled)
2012 – Michael R. Hudec
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
Nhong (Vince) Nguyen
Abayomi Aina
Mauro R. Becker
Marcelo Cristian Torrez Canaviri
2016 – Duncan Bate
Cian O’Reilly
James Keay
Alex Fick
Alex Birch Hawkins
Dario Chisari
Jason Kelg
Brad Tony
2018 – Anish Kumar
Jasselin Kherroubi
Florent Bringer
George Richard Kear
Robert Laronga
Juan Herrera
2019 – James J. Willis
Duncan S. McIntosh Jr.
Jesse W. Zwennes
Gregory J. Ferguson
James Pasley
Garrett M. Goettel

Mid-Continent Section
(Biennial Meetings)
1967 – Philip C. Withrow
1969 – Thomas R. Cambridge
1971 – Terrence J. Donovan
1973 – Thomas W. Amsden
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. Hatton
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
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. Memiam
2009 – Shane Matson
2011 – Shane E. Matson
Charles W. Wickstrom
Gregory B. Flournoy
Steve W. Tilley
2013 – S. J. Mazzullo
Brian W. Wilhilte
2015 – Buddy Price
2017 – Kirk Rottmann
J. P. Dick
2019 – Jenny Meng
Yevhen Holubnyak
Jennifer Hollenbach
Franciszek Hasiuk

Pacific Section
1968 – David W. Scholl
David M. Hopkins
H. Gary Greene
Edwin E. Buffington
1969 – Robert F. Dill
1970 – John W. Harbaugh
1971 – No Recipient
1972 – M. Keith Scribner
Stanford Eschner
1973 – No Recipient
1974 – John A. Minch
1975 – David R. Butler
1976 – D. L. Ziegler
John H. Spotts
1977 – David W. Scholl
Alan K. Cooper
1978 – William R. Dickinson
Alan K. Cooper
1978 – William R. Dickinson
Raymond V. Ingersoll
1979 – C. Elizabeth Koch
1980 – Lee F. Krystinik
1981 – No Recipient
1982 – Margaret A. Keller
1983 – Richard P. Thomas
1984 – John N. Thomson
Richard G. Blake
Richard W. Boyd
1985 – Ronald C. Crane
1986 – R. E. Chamberlain
Victor M. Madrid
1987 – No Recipient
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
1994 – Michael D. Campbell
Walter E. Reed
1995 – Ronald C. Crane
1996 – No Recipient
1997 – Joseph A. Nahama
Rod Nahama
1998 – Michael F. Ponek
A. G. Mathews
1999 – Brian J. Casey
2000 – Dalton F. Lockman
Philip Cerveny
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 B. Norman
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
Byeongiu Jung
James R. Boles
2011 – David W. Houseknecht
Ken J. Bird
2012 – No Recipient
2013 – Todd J. Green
2014 – Michael D. Henschel
Benjamin Deschamps
Shirley Sato Gillian Robert
2015 – Daniel E. Schwartz

ASSOCIATION AWARDS
2016 – Gregory Gordon
Stuart Gordon

2017 – Paul G. Lillis
Michael D. Lewan
Richard G. Stanley
David L. LePain
Manwan A. Warles

2018 – Yannick Wirtz
Richard J. Behl

2019 – Lisa Alpert
Thorsten Becker
Meghan S. Miller
Amir Allam

Rocky Mountain Section
1966 – Lloyd C. Pray
Philip W. Choquette

1967 – Frank A. Exum
John C. Harms

1968 – No Recipient

1969 – James E. Fassett

1970 – No Recipient

1971 – Richard W. Volk

1972 – Robert J. Weimer

1973 – Esther R. Jamieson Magathan
Lyle A. Hale

1974 – Fred Meissner

1975 – Donald E. Owen

1976 – John P. Lockridge

1977 – William E. Galloway

1978 – Randi S. Martinsen
R. W. Tallman

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. Odlund

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. McPeek
George E. Newman
M. Ray Thomasson

1998 – No Recipient

1999 – Kurt N. Constenius

2000 – Laird B. Thompson
Peter H. Hennings

2001 – No Recipient

2002 – David R. Pyles

2003 – No Recipient

2004 – Robert A. Lamarre
Stephen K. Ruhl

2005 – Glenn Ulrich
Roland De Bruyn
Mark Finkelstein

2006 – Geoff D. Thyne

2007 – Vincent G. Rigatti
Tony LeFevre
Richard Newhort
Kimberly Kaiser
Scott Goodwin
Robert Parney

2008 – Rex D. Cole
Matthew J. Pranter

2009 – No Recipient

2010 – Charles E. Bartberger
Ira Pasternack

2011 – John C. Lorenz
Scott P. Cooper

2012 – Timothy Nesheim
Stephan Nordeng

2013 – Robert L. Baskin

2014 – Mark A. Millard

2015 – No Recipient

2016 – Catherine Campbell
Mark Tobey

2017 – Christopher R. Fielding
Andrew J. Hutsky
Jesse T. Koros

2019 – Jeffrey W. Bader

Southwest Section
1968 – Donald C. Swanston

1969 – Karl W. Klement

1970 – Edward R. Legland

1971 – Daniel A. Busch

1972 – Orville L. Bandy

1973 – John J. Amoruso

1974 – Ralph L. Horak

1975 – No Recipient

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

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. Swanston

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
Jim D. Thomas

2004 – Eugene Rankey

2005 – Daniel M. Jarvie
Ronald J. Hill
Richard M. Pollastro

2006 – Robert G. Loucks
Stephan C. Ruppel

2007 – Alton A. Brown

2008 – Rick Turner

2009 – Lyn Canter

2010 – Martin Selznick

2011 – Paul H. Pause

2012 – Joel D. Walls
Brian Driskill
Steven W. Sinclair

2013 – Thomas Ewing

2014 – Timothy R. McGinley

2015 – William A. Ambrose
Tucker H. Lentz
Logan Tussey

2016 – Glenn Winters

2017 – Robert C. Trentham

2018 – Jens – Erik Lund Snee
Mark D. Zoback

2019 – Travis Moreland

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

1991 – Frank J. Picha

1992 – P. Joe Hamilton

1993 – Chris Clayton

1994 – John Van Wagoner

1995 – Martin Schoell

1996 – John O’Leary

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
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
1992 – John M. Armentrout
1993 – Richard Wrigley
1994 – Zainuddin Yusoff
1995 – Claude Guyot
1996 – Leon J. Aden
1997 – Rémi Eschard
1998 – Stanley T. Paxton
1999 – Joseph M. Finneran
2000 – Richard Hillis
2001 – No Recipient
2002 – Philip D. Heppard
2003 – Tore M. Loseth
2004 – Richard H. Fillon
2005 – Denis Marchal
2006 – Jonny Wu
2007 – Leo Whitehouse
2008 – George Pemberton
2009 – Paul Markwick
2010 – Kathryn Hoffmeister
2011 – Stan Abele
2012 – Bodo Katz
2013 – Jamie O. Castillo
2014 – Grant Ellis
2015 – Angela G. Griffin
2016 – Daniel Emiliano Bolaños
2017 – Anastasia Polymeni
2018 – Given Skosana
2019 – Pablo Barros Arroyo
2020 – Yatindranath Keith Bally
2021 – Jerry Namy

2003 – Roy C. Davies
Ron Boyd John Howell
2004 – Jose Alejandro Luquez
2005 – Marek Kacewicz
2006 – Dale A. Leckie
2007 – No Conference
2008 – Charles Kerans
2009 – Pedro V. Zalan
Maria do Carmo G. Severino
Joao Alberto B. Oliveira
Luciano P. Magnavita
Webster U. Mohriak
Rogerio C. Gontijo
Adriano R. Viana
Peter Szatmari
2010 – Jennifer Scott
John Guthrie
Steve Crews
Graeme Gordon
Benn Hansen
Niall McCormack
Dean Griffin
Laura Lawton
Rod Graham
Tim Grow
Andy Pepper
Caroline Burke
2011 – Jonny Heshammer
2012 – John Tinnen
2013 – Irene Arango
2014 – Zamir Bega
2015 – Charlie Smith
2016 – Thomas Murphy
2017 – Nigel P. Mountney
Luca Colombera
Ni Yan
Bill McCaffrey
2018 – Christopher Asuquo Jackson
Michael N. Oti
Ayonma Wilfred Mode
Peter Laurence Osterloff
S. George Pemberton
2019 – Maisha Amaru
Tao Sun
Fabien J. Laugier
Brian J. Willis
Morgan Sullivan
Lisa R. Coggin
Bruce Power

Johana Paola Blanco Marinez
Claudia Ceballos

Foundation Weeks Medal Award

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

2008 – Marta S. Weeks
2009 – Boone Pickens
2010 – Lawrence W. Funkhouser
2011 – Jack C. Threet
2012 – William J. Barrett
2013 – Robert Gunn
2014 – James A. Hartman
2015 – David W. Worthington
2016 – William E. Gipson
2017 – Paul Strunk
2018 – John Amoruso
2020 – Lee B. Backsen
2021 – Jerry Namy

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.
2003 – Hugh Looney  
2004 – Lawrence W. Funkhouser  
2005 – Fred A. Dix, Jr.  
2006 – Robert W. Esser  
2007 – Eugene F. Reid  
2008 – Jack C. Threet  
2009 – John W. Shelton  
2010 – David Scott Holland  
2011 – William E. Crain  
2012 – Herbert G. Davis  
2013 – Richard Baile  
2014 – Charles Weiner  
2015 – William L. Fisher  
2016 – Donald A. O’Nesky  
2017 – Frank Harrison, Jr.  
2018 – Paul H. Dudley  
2019 – John Silcox  
2020 – M. Ray Thomasson  
2021 – Stewart “Stew” Chuber

**Teacher of the Year Award**

The Teacher of the Year Award is given to a K-12 teacher for “Excellent in the Teaching of Natural Resources in the Earth Sciences.” Nominations are submitted by AAPG Affiliated Societies and Sections, with the final selection made by a subcommittee of the AAPG Youth Education Activities Committee. Funded by the AAPG Foundation, the winning teacher’s school is given $3,000 for the teacher’s use in the classroom, and the teacher also receives $3,000 cash, plus an expense paid trip to the next AAPG Annual Meeting to receive the award.

1996 – Jane Justus Frazier  
1997 – No Recipient  
1998 – No Recipient  
1999 – Herbert L. Turner  
2000 – Peggy Lubchenco  
2001 – John McKinney  
2002 – Kevin Leineweber  
2003 – Amy J. John  
2004 – Michael Fillipow  
2005 – Marilyn Bachman  
2006 – James G. Schulz  
2007 – Ryan Henry  
2008 – Mary Fitts  
2009 – Ty Robinson  
2010 – L. Stef Paramoure  
2011 – Sharon Milito  
2012 – Jonna Gentry  
2013 – Chris Bolhuis  
2014 – Heather McArdle  
2015 – Jacqueline Bath  
2016 – Karen Waterbury  
2017 – Julie Mitchell  
2018 – Deborah Morgan  
2019 – Laura Branch  
2020 – Rebekah Kienenerger  
2021 – Sabrina Ewald

**Inspirational Geoscience Educator Award**

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

2017 – Hendratta Ali  
2018 – Lauren Birgenheier  
2019 – Brett Carpenter  
2020 – Bradford “Brad” Burton  
2021 – Clemencia Gómez

**Division of Professional Affairs**

**Life Member Award**

Margo Liss

**Distinguished Service Award**

Jon Brenizer  
Catherine Campbell

**Certificate of Merit**

Robert Shoup  
William Houston

**Energy Minerals Division (EMD)**

**Honorary Membership**

Neil Fishman

**Distinguished Service Award**

Michael Campbell

**EMD Past President’s Award**

Edith Wilson

**Certificate of Merit**

Claudia Hackbarth

**Frank Kottlowski Memorial Award (Best Paper ACE 2020)**

B. J. Casey  
R. D. Dommisse  
D. L. Carr  
S. Hamlin  
A. Cherabati  
L. Home  
I. A. Yurchenko

**President’s Certificate for Excellence in Presentation (Oral Presentation ACE 2020)**

L. Lei  
Y. Seol

**Loyd Carlson Memorial Award (Best Poster ACE 2020)**

M. Fonseca  
L. Hathon  
T. Lapen

**President’s Certificate for Excellence in Presentation (Poster Presentation ACE 2020)**

M. A. Gutierrez  
B. H. Richards  
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M. C. Pope
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**Energy Minerals Division Executive Committees**

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<td>San Antonio, Texas</td>
<td>M. O. Turner</td>
</tr>
<tr>
<td>1975</td>
<td>Dallas, Texas</td>
<td>Robert J. Cordell</td>
</tr>
<tr>
<td>1976</td>
<td>New Orleans, Louisiana</td>
<td>M. Gordon Frey</td>
</tr>
<tr>
<td>1977</td>
<td>Washington, D.C.</td>
<td>Richard F. Meyer</td>
</tr>
<tr>
<td>1978</td>
<td>Oklahoma City, Oklahoma</td>
<td>Lee R. Riley</td>
</tr>
<tr>
<td>1979</td>
<td>Houston, Texas</td>
<td>Anthony Reso</td>
</tr>
<tr>
<td>1980</td>
<td>Denver, Colorado</td>
<td>John P. Lockridge</td>
</tr>
<tr>
<td>1981</td>
<td>San Francisco, California</td>
<td>Donald L. Ziegler</td>
</tr>
<tr>
<td>1982</td>
<td>Calgary, Canada</td>
<td>James MacDonald</td>
</tr>
<tr>
<td>1983</td>
<td>Dallas, Texas</td>
<td>Lewis S. (Stan) Pittman</td>
</tr>
<tr>
<td>1985</td>
<td>New Orleans, Louisiana</td>
<td>George D. Severson</td>
</tr>
<tr>
<td>1986</td>
<td>Atlanta, Georgia</td>
<td>Howard R. Cramer</td>
</tr>
<tr>
<td>1987</td>
<td>Los Angeles, California</td>
<td>Eugene F. (Bud) Reid</td>
</tr>
<tr>
<td>1988</td>
<td>Houston, Texas</td>
<td>Richard S. Bishop</td>
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<tr>
<td>1989</td>
<td>San Antonio, Texas</td>
<td>Don F. Tobin</td>
</tr>
<tr>
<td>1990</td>
<td>San Francisco, California</td>
<td>James R. Baroffio</td>
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<tr>
<td>1991</td>
<td>Dallas, Texas</td>
<td>Charles F. Dodge</td>
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<tr>
<td>1992</td>
<td>Calgary, Canada</td>
<td>George Eynon</td>
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<tr>
<td>1993</td>
<td>New Orleans, Louisiana</td>
<td>Bob Sabate</td>
</tr>
<tr>
<td>1994</td>
<td>Denver, Colorado</td>
<td>Robbie R. Gries</td>
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<tr>
<td>1995</td>
<td>Houston, Texas</td>
<td>James O. Lewis, Jr.</td>
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<tr>
<td>1996</td>
<td>San Diego, California</td>
<td>John A. Minch</td>
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<tr>
<td>1997</td>
<td>Dallas, Texas</td>
<td>Tom Mairs</td>
</tr>
<tr>
<td>1998</td>
<td>Salt Lake City, Utah</td>
<td>M. Lee Allison</td>
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<tr>
<td>2000</td>
<td>New Orleans, Louisiana</td>
<td>Eric P. Mason</td>
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<tr>
<td>2001</td>
<td>Denver, Colorado</td>
<td>Stephen A. Sonnenberg</td>
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<tr>
<td>2002</td>
<td>Houston, Texas</td>
<td>Jeffrey W. Lund</td>
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<tr>
<td>2003</td>
<td>Salt Lake City, Utah</td>
<td>Thomas C. Chadsey, Jr.</td>
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<tr>
<td>2004</td>
<td>Dallas, Texas</td>
<td>Terence G. O’Hare</td>
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<tr>
<td>2005</td>
<td>Calgary, Canada</td>
<td>John Hogg</td>
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<tr>
<td>2006</td>
<td>Houston, Texas</td>
<td>Charles A. Sternbach</td>
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<tr>
<td>2007</td>
<td>Long Beach, California</td>
<td>Dalton F. Lockman</td>
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<tr>
<td>2008</td>
<td>San Antonio</td>
<td>Gene Ames III</td>
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<tr>
<td>2009</td>
<td>Denver, Colorado</td>
<td>P. Randy Ray</td>
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<tr>
<td>2010</td>
<td>New Orleans, Louisiana</td>
<td>Tom Hudson</td>
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<tr>
<td>2011</td>
<td>Houston, Texas</td>
<td>Stephen Levine</td>
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<tr>
<td>2012</td>
<td>Long Beach, California</td>
<td>Kay Pitts</td>
</tr>
<tr>
<td>2013</td>
<td>Pittsburgh, Pennsylvania</td>
<td>Michael Canich</td>
</tr>
<tr>
<td>2014</td>
<td>Houston, Texas</td>
<td>Steve Brachman</td>
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<tr>
<td>2015</td>
<td>Denver, Colorado</td>
<td>John W. Robinson</td>
</tr>
<tr>
<td>2016</td>
<td>Calgary, Canada</td>
<td>Paul Mackay</td>
</tr>
<tr>
<td>2017</td>
<td>Houston, Texas</td>
<td>Dave Rensink</td>
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<tr>
<td>2018</td>
<td>Salt Lake City, Utah</td>
<td>Michael Vanden Berg</td>
</tr>
<tr>
<td>2019</td>
<td>San Antonio, Texas</td>
<td>Lorena Moscardelli</td>
</tr>
<tr>
<td>2020</td>
<td>Houston, Texas</td>
<td>Edward Valek</td>
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</tbody>
</table>

**International Meeting for Applied Geoscience and Energy (IMAGE)**

<table>
<thead>
<tr>
<th>Year</th>
<th>City</th>
<th>Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>Denver, Colorado</td>
<td>Steve A. Sonnenberg, Julie Shemeta</td>
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</table>
## International Conference Locations and General Chairmen

### 2021 Fifty-Year Members

List is not comprehensive. It includes only those who attained 50-year membership in 2021.

<table>
<thead>
<tr>
<th>Year</th>
<th>City</th>
<th>General Chairman</th>
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</thead>
<tbody>
<tr>
<td>1984</td>
<td>Geneva, Switzerland</td>
<td>P.W.J. Wood</td>
</tr>
<tr>
<td>1988</td>
<td>Nice, France</td>
<td>James A. Helwig</td>
</tr>
<tr>
<td>1992</td>
<td>Sydney, Australia</td>
<td>Murray H. Johnstone</td>
</tr>
<tr>
<td>1993</td>
<td>Caracas, Venezuela</td>
<td>Juan Chacin</td>
</tr>
<tr>
<td>1994</td>
<td>The Hague, Netherlands</td>
<td>Roelof J. Murris</td>
</tr>
<tr>
<td>1995</td>
<td>Nice, France</td>
<td>Khalid Ngah</td>
</tr>
<tr>
<td>1996</td>
<td>Caracas, Venezuela</td>
<td>Lucien Montardet</td>
</tr>
<tr>
<td>1997</td>
<td>Vienna, Austria</td>
<td>Jose P. Dominguez</td>
</tr>
<tr>
<td>1998</td>
<td>Rio de Janeiro, Brazil</td>
<td>Walter P. Gruen</td>
</tr>
<tr>
<td>1999</td>
<td>Birmingham, England</td>
<td>Joel Mendes Renno</td>
</tr>
<tr>
<td>2000</td>
<td>Bali, Indonesia</td>
<td>R. F. P. Hardman</td>
</tr>
<tr>
<td>2002</td>
<td>Cairo, Egypt</td>
<td>Gatot K. Wiroyono</td>
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</tbody>
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### General Chairman

<table>
<thead>
<tr>
<th>Year</th>
<th>City</th>
<th>General Chairman</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>Barcelona, Spain</td>
<td>Jorge Ferrer Modolell</td>
</tr>
<tr>
<td>2004</td>
<td>Cancun, Mexico</td>
<td>Alfredo E. Guzman</td>
</tr>
<tr>
<td>2005</td>
<td>Paris, France</td>
<td>Jean-Marie Masset</td>
</tr>
<tr>
<td>2006</td>
<td>Perth, Australia</td>
<td>Agu Kantsler</td>
</tr>
<tr>
<td>2007</td>
<td>Athens, Greece</td>
<td>Geir Lunde (Joint Regional)</td>
</tr>
<tr>
<td>2008</td>
<td>Cape Town, South Africa</td>
<td>Sipho Mkhize</td>
</tr>
<tr>
<td>2009</td>
<td>Rio de Janeiro, Brazil</td>
<td>Heraldo Lima</td>
</tr>
<tr>
<td>2010</td>
<td>Calgary, Canada</td>
<td>John Hogg David Dolph</td>
</tr>
<tr>
<td>2011</td>
<td>Milan, Italy</td>
<td>Jonathan Craig</td>
</tr>
<tr>
<td>2012</td>
<td>Singapore</td>
<td>Richard Lorentz</td>
</tr>
<tr>
<td>2013</td>
<td>Cartagena de Indias, Colombia</td>
<td>Victor Vega</td>
</tr>
<tr>
<td>2014</td>
<td>Istanbul, Turkey</td>
<td>Volkan S. Ediger</td>
</tr>
<tr>
<td>2015</td>
<td>Melbourne, Australia</td>
<td>Philip Loader</td>
</tr>
<tr>
<td>2016</td>
<td>Cancun, Mexico</td>
<td>Jose A. Escalera Alcocer</td>
</tr>
<tr>
<td>2018</td>
<td>Cape Town, South Africa</td>
<td>Femi Esan</td>
</tr>
<tr>
<td>2019</td>
<td>Buenos Aires, Argentina</td>
<td>Carlos Colo</td>
</tr>
<tr>
<td>2020</td>
<td>Madrid, Spain</td>
<td>CANCELLED Joseba Murillas</td>
</tr>
</tbody>
</table>

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2021 Fifty-Year Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Membership Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Warner Abrahamson</td>
<td>2021</td>
</tr>
<tr>
<td>Kenneth Aniess</td>
<td>2021</td>
</tr>
<tr>
<td>John Myers Armentrout</td>
<td>2021</td>
</tr>
<tr>
<td>Roger James Barton</td>
<td>2021</td>
</tr>
<tr>
<td>W. Owen Bement</td>
<td>2021</td>
</tr>
<tr>
<td>Gary Gill Bible</td>
<td>2021</td>
</tr>
<tr>
<td>Bruce M. Brady, III</td>
<td>2021</td>
</tr>
<tr>
<td>Steven R. Bredall</td>
<td>2021</td>
</tr>
<tr>
<td>Martin Louis Bregman</td>
<td>2021</td>
</tr>
<tr>
<td>John Allen Briscoe</td>
<td>2021</td>
</tr>
<tr>
<td>Robert John Carlson</td>
<td>2021</td>
</tr>
<tr>
<td>Samuel Woolsey Carmalt</td>
<td>2021</td>
</tr>
<tr>
<td>Kenneth Richard Chaire</td>
<td>2021</td>
</tr>
<tr>
<td>Jack Helbert Christiansen</td>
<td>2021</td>
</tr>
<tr>
<td>Bruce Alan Collins</td>
<td>2021</td>
</tr>
<tr>
<td>Alan M. Crawford</td>
<td>2021</td>
</tr>
<tr>
<td>Marshall C. Crouch, III</td>
<td>2021</td>
</tr>
<tr>
<td>Clifford Thomas Crowe</td>
<td>2021</td>
</tr>
<tr>
<td>Bruce Lee Cright</td>
<td>2021</td>
</tr>
<tr>
<td>Larry B. Darden</td>
<td>2021</td>
</tr>
<tr>
<td>William Thomas Deubel</td>
<td>2021</td>
</tr>
<tr>
<td>Ashton Fox Embry</td>
<td>2021</td>
</tr>
<tr>
<td>Gary D. Fields</td>
<td>2021</td>
</tr>
<tr>
<td>Michael Alan Garner</td>
<td>2021</td>
</tr>
<tr>
<td>Albert P. Geyer</td>
<td>2021</td>
</tr>
<tr>
<td>Jerry Lon Gilbert</td>
<td>2021</td>
</tr>
<tr>
<td>Robert F. Goldstein</td>
<td>2021</td>
</tr>
<tr>
<td>Floyd Douglas Hamm, Jr.</td>
<td>2021</td>
</tr>
<tr>
<td>Gary Wayne Hart</td>
<td>2021</td>
</tr>
<tr>
<td>Peter Hougaard</td>
<td>2021</td>
</tr>
</tbody>
</table>

- John K. Howard
- Richard Rodgers Igau
- Ronald Grant Jensen
- Ronald Owen Johnson
- Curtis L. Johnson
- Kent Allan Johnson
- Thomas Ernest Johnson
- William Harold Kaufman
- Ronnie S. Keisler
- James Waton Kennedy
- Yousif K. Kharaka
- John F. Lauletta
- Donald Keith Lehto
- David Edwin Lewis
- Kenneth John Macho
- Steven Joseph Maione
- Ruben Martinez
- John Edward McCarty
- Charles Donald McCormick
- Ian Alexander McBreath
- James Franklin Peters
- F. Pierce Pratt
- Michael Louis Price
- Phillip L. Salstrom
- Rick Frederick Sarg
- Harrison Hagan Schmitt
- Richard Curtis Selley
- George C. Sharp
- Herman Clifford Sieck
- George M. Simmons
- Glenn Coleman Smith
- Michael William Smith
- William Arthur Sniffen
- Richard Lee Stewart
- Ralph Arthur Stone
- William (Bill) Martin Waggoner
- William B. Walker, Jr.
- John C. Wendte
- Colin Douglas Wilkinson
- Thomas Clifford Williams
- David Ray Wood
- James Charles Woodson
- Barry Lynn Zinz
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 nonprofit organization. In the event of the dissolution of the Association, the Association shall distribute any assets remaining after the discharge of all liabilities, for charitable, scientific, or educational purposes in strict compliance with exemption provided under Section 501 (c)(6) of the Internal Revenue Code of 1954. It is recognized that, under these circumstances, no member of the Association shall have any right or interest in or to the property or assets of the Association.
ARTICLE VII. BYLAWS
The Bylaws, consisting of fourteen (14) articles as appended hereto, are hereby adopted and may be amended, enlarged, or reduced as provided in the Bylaws.

ARTICLE VIII. AMENDMENTS
SECTION 1. Mail, Electronic Mail or Other Suitable Ballot by Members
Amendments to this Constitution may be made by a two-thirds (2/3) majority vote of the members of this Association responding by mail, electronic mail, or other suitable ballot.

SECTION 2. Proposal of Amendments
Such amendments may be proposed by the following:
(a) Resolution by the Executive Committee;
(b) Resolution by a special constitutional committee appointed by the President;
(c) Resolution of the House of Delegates;
(d) A proposal in writing signed by any fifty (50) members of the Association.

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

SECTION 3. Legality of Amendments
The legality of all amendments shall be determined by the Executive Committee with advice of counsel prior to consideration by the House of Delegates. In the event that a proposed amendment is revised by the House of Delegates, such revision will again be referred to the Executive Committee for determination of legality prior to balloting.

SECTION 4. Publication of Amendments
Upon affirmation of legality of the proposed amendments, the Executive Committee shall cause them to be published in the Bulletin or by other suitable means at least two (2) months prior to the annual meeting of the House of Delegates.

SECTION 5. Voting on Amendments
If any proposed amendment shall be acted upon favorably by simple majority vote of the House of Delegates, the Executive Committee shall arrange for a ballot of members by mail, electronic mail or other suitable means, within sixty (60) days after the annual meeting of the House of Delegates, and two-thirds (2/3) majority favorable vote of the ballots received within sixty (60) days of such mailing, electronic mail or other suitable distribution, shall be sufficient to amend.

BYLAWS
As amended April 2, 2017

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

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

ARTICLE III – MEMBERS
SECTION 1. Membership Classifications
The three membership classifications shall be Members, students, and associates. All members shall be entitled to receive a copy of the Bulletin and Explorer. Except for headings, where the word "Member" is used in these bylaws with a capital letter, it shall refer to the specific membership category of Member. Where used without a capital letter, it shall be a generic use to refer to all those who hold any category of membership in AAPG. Headings shall refer to specific uses within that section.

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

2. Members may hold office, vote in Association affairs, sponsor membership applications, and refer to themselves as Members of the Association.
   a. All Member applicants shall submit an application form authorized by the executive committee that includes the endorsement of one Member in good standing, attesting to the applicant’s training and experience. The executive committee shall determine all questions of eligibility, except that the executive committee may not waive the endorsement or professional experience requirements.
   b. The executive committee shall publish the names of approved applicants along with the names of their sponsors. If no objections to the application are received within sixty days, the executive committee shall notify the applicant of his or her acceptance. Objections must include a full statement of the circumstances on which the objection is based and be signed by the Member raising the objection. The executive committee shall take the objection under consideration and make a final determination as to eligibility at its sole discretion.

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

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

AAPG CONSTITUTION AND BYLAWS 45
B. Students
Any student majoring in geology or in a field of study related to
or generally associated with geology at a college or university of
acceptable academic standards may apply for student membership. Student membership shall terminate twenty-four (24) months after termination of academic enrollment and student members will be reclassified as associates.

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

SECTION 2. Dues
A. Dues shall be billed and payable in advance of the fiscal
year in accordance with a schedule established by the executive
committee. The fiscal year shall begin on July 1 and end on
June 30. Written notification by mail, electronic mail, or other
suitable means shall be provided to each Member, student and
associate before July 1 of each year, stating the amount of
annual dues owed. Dues shall not be refundable. Those previ-
ously designated as life members shall not be required to pay
dues.
B. Dues may not exceed the following: Member – $125.00
Emeritus Member – $62.50
Student – $10.00
Associate – $125.00
C. Dues for Members and associates shall be billed in accord-
dance to the following three levels of gross annual income:
   Level 1 – Annual income greater than $50,000;
   Level 2 – Annual income greater than $25,000 but not more
          than $50,000; and
   Level 3 – Annual income of $25,000 or less.
   Level 2 dues shall be one-half of Level 1 dues; Level 3 dues
 shall be one-fourth of Level 1 dues; provided that annual dues
 may not be less than $20.00 for any level. A Member or an
 associate whose annual income is in Level 2 or Level 3 may
 pay dues that correspond with any higher level of annual
 income. The executive committee may provide for access to the
 Bulletin and the Explorer by different means for persons paying
different levels of dues.
D. Dues for Members and associates may not be changed
more than 20% in any given year.

SECTION 3. Membership Meetings
The Association shall hold at least one stated meeting of its
members each year, at a time and place designated by the
executive committee.

SECTION 4. Loss of Membership
A. Any member may resign at any time from the Association;
such resignation shall be in writing and shall be accepted by the
executive committee.
B. Any member whose dues are in arrears for more than sixty
days but less than one year shall be suspended from member-
ship. Any member whose dues are in arrears for more than one
year shall forfeit membership.
C. Any member who resigns, who forfeits membership for
non-payment of dues, or who is expelled for ethical reasons
shall cease to have any rights in the Association and shall not
incur further indebtedness to the Association.
D. Any person who has been removed from membership,
except by expulsion, may be reinstated by unanimous vote of
the executive committee, upon fulfillment of such requirements
as may be established by the executive committee. A person
who has been expelled may be reinstated as provided for in the
AAPG Disciplinary Code.

ARTICLE IV – OFFICERS

SECTION 1. Officers
The officers of this Association shall be a president, president-
elect, vice president – sections, vice president – regions, secretary,
treasurer, and editor.
A. President
The president shall be the chief executive officer and spokesperson for the Association on all matters pertaining to the public; shall serve as chair of the executive committee, shall appoint the members of all committees in accordance with these bylaws; and shall appoint delegates to cooperating organizations to represent the Association.
B. President-elect
The president-elect shall serve as a member of the executive
committee, shall present a budget for the ensuing year to the
executive committee, and succeed to the office of president fol-
lowing the term as president-elect.
C. Vice president-sections
The vice president-sections shall, with his or her other duties,
concern himself or herself with the activities of the Association in respect to United States sections.
D. Vice president-regions
The vice president-regions shall, with his or her other duties,
concern himself or herself with the activities of the Association in respect to its international regions.
E. Secretary
The secretary shall be responsible for recording the actions of
the executive committee; shall keep possession of the corporate
seal and affix the same; and, subject to executive committee
approval, have policy oversight of all non-technical and non-
peer reviewed publications and communications. The secretary
shall perform other duties as may be directed by the executive
committee.
F. Treasurer
The treasurer shall supervise the receipt of all funds and, under
the direction of the executive committee, be responsible for all
disbursements of funds of the Association; serve as an ex-officio
member of the committee on investments; give bond, the
amount of which shall be determined by the executive commit-
tee; make the annual report as treasurer; and perform such other duties as directed by the executive committee.
G. Editor
The editor shall have general supervision of and final authority
in soliciting, accepting, and rejecting all material on technical
subjects for publication; have policy oversight and responsibility
for editorial content of all technical and peer-reviewed publica-
tions; submit an annual report of editorial activities to the execu-
tive committee; and, with the approval of the executive
committee, appoint volunteer editors as deemed necessary.

SECTION 2. Terms of Office
A. Terms of office shall be from July 1 to June 30. No officer
may serve a successive term.
B. The terms of office for the president-elect and president
shall be for one year. The president-elect shall succeed to the
office of president following the term as president-elect.
C. The vice president-sections, the vice president–regions, the
secretary, and the treasurer shall serve two-year staggered
terms. The terms of the vice president-sections and the trea-
surer shall begin in even numbered years and the terms of the
vice president-regions and the secretary shall begin in odd-numbered years.

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

SECTION 3. Eligibility

A. No person may hold more than one of the following positions during the same term:
   - Association officer;
   - House of delegates officer;
   - Immediate past chair of the house of delegates;
   - Division president; and
   - Elected advisory council member.

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

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

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

SECTION 4. Election

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

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

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

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

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

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

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

SECTION 5. Vacancies

Vacancies shall be filled as follows:

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

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

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

SECTION 6. Officer Eligibility for Nominations and Awards

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

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

ARTICLE V – EXECUTIVE COMMITTEE

SECTION 1. Composition

The executive committee shall be composed of the following:

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

SECTION 2. Authority

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

- Have sole responsibility for all matters regarding the external affairs of this Association;
- Designate the time and place of the annual meeting of the Association;
- Supervise the election of officers and filling of vacancies;
- Determine the adequacy of applicant qualifications and classifications;
- Maintain a headquarters and staff;
- Accept, create, and administer the funds and accounts of this Association, appointing trustees to manage such funds;
- Establish such fiscal policies as may be appropriate;
- Serve as an appeal authority in all matters involving grievance proceedings and professional certification of members; and
- Perform such other administrative duties as required to accomplish the objects and purposes of this Association. Any responsibility and authority of the governance of this Association not otherwise specified in these governing documents shall be reserved to the executive committee.
SECTION 3. Executive Committee Meetings
A. The executive committee shall meet immediately before the annual meeting of the house of delegates, and at other times designated by the executive committee, and at the call of the president. A quorum shall consist of four (4) members.
B. Meetings may be held under any such conditions, including action without a meeting, as authorized under the Colorado Revised Nonprofit Corporations Act, provided that no proxy voting shall be allowed, nor shall alternates be allowed to participate in executive committee meetings.
C. Five (5) days notice of regular or special meetings of the executive committee shall be given, which shall include the date, time, place, and, if a special meeting, the purpose of the meeting. Notice shall be given, and may also be waived, in any manner permitted by the Colorado Revised Nonprofit Act.
D. The members of the executive committee shall be indemnified by the Association and shall be relieved from personal liability in all matters regarding the Association to the full extent as permitted under Internal Revenue Code section 501(c)(6) and any other pertinent federal income law or regulation, and to the full extent authorized by the Colorado Revised Nonprofit Act.
E. The executive committee shall have the authority, by a two-thirds vote, to amend the articles of incorporation of the Association.

SECTION 4. Executive Director
The executive director shall be the chief administrative official of the Association, shall have the authority to execute contracts on behalf of the Association, and shall have charge of the Association headquarters and staff personnel as authorized by the executive committee. The executive director shall be appointed by, and serve at the pleasure of, the executive committee and be under the personal direction of the president. The executive director may not be an officer of the Association or a member of the executive committee.
The executive director shall also:
• Implement the policies of the executive committee;
• Receive all official notices to the Association;
• Be responsible for the physical custody of all official documents held in repository at Association headquarters; and
• Assist in the work of all committees to ensure the effectiveness of the activities of this Association.

ARTICLE VI – HOUSE OF DELEGATES
SECTION 1. Composition
A. The house of delegates shall be composed of delegates representing the affiliated societies and international regions. Members of the executive committee, former chairs of the house of delegates, and past presidents of the Association more than three (3) years out of office shall be non-voting members, but are not prohibited from serving as delegates if elected. Officers of the house of delegates shall be voting members of the house of delegates.
B. Officers
1. The officers of the house of delegates shall be a chair, a chair-elect and a secretary/editor. The house of delegates shall elect the chair-elect and the secretary/editor at its annual meeting from among the delegates who have served at least one year. The term of office shall be one year, commencing July
2. The chair-elect shall assume the office of chair following the term as chair-elect.
3. A vacancy in the office of chair shall be filled for the remainder of that term by the chair-elect, followed by a term as chair. A vacancy in the office of chair-elect shall be filled by the

secretary/editor. A vacancy in the office of secretary/editor shall be filled by appointment by the chair.
C. Delegates
1. All delegates must be Members in good standing. The house of delegates shall be the sole judge of the eligibility of its members to serve as delegates or officers of the house.
2. Each United States affiliated society shall be entitled to one delegate, plus one delegate for every additional seventy of its Members or major fraction thereof. Each international region shall be entitled to one delegate, plus one delegate for every additional seventy of its Members or major fraction thereof, provided that no international region shall have fewer than one delegate for each affiliated society within the region.
3. Delegates shall be elected by the Members of each society and region. Members may only vote in their home society or region. Association Members residing in the United States and not having a home society may be assigned, for the purpose of voting in delegate elections only, to the nearest United States affiliated society upon request to that society. Association Members residing outside of the United States shall be assigned to the international region in which they reside, and shall vote in that region in elections for delegates unless claiming a United States affiliated society or another region as their home society or region.
4. The Members of each international region shall elect one or more delegates from among the Association Members of each affiliated society within that international region. Any Members who wish to become candidates for delegate shall file a written request with their affiliated society or international region.
5. Delegates shall be elected for three-year terms. Terms of office shall begin on July 1 following their election.
6. Vacancies in office may be filled, or alternate delegates may be assigned, from among the candidates not receiving a sufficient number of votes from the previous election, and in order of the total number of votes received. The Members from the affiliated society or international region may also appoint alternate delegates and fill any vacancies. The names of alternate delegates must be received in writing by the AAGP headquarters office at least fifteen days prior to the meeting of the house of delegates for which they have been appointed.
7. Should a term of a delegate from a society expire and a society fail to elect a new delegate sixty days before the annual meeting, the president of the section shall appoint a delegate to serve for that term.

SECTION 2. Meetings
The house of delegates shall meet at least once each year during the annual meeting of the Association. No proxy votes shall be allowed. A quorum shall be a majority of all qualified delegates or alternates elected.

SECTION 3. Authority
All of the legislative function of this Association shall be vested in a house of delegates.

SECTION 4. Duties of Delegates
Delegates shall:
• Serve as representatives of the members in their society or international region;
• Familiarize themselves with the Association’s governing documents;
• Acquaint themselves with the Association’s current policies and programs;
• Keep their alternates and the leaders of their society and region informed of the Association’s program of activities, especially with regard to cooperative participation and service;
• Process requests from the executive committee for information regarding eligibility of applicants for membership in the Association;
• Function as local certification committee members and process requests from the board of certification for information regarding applicants for certification by the Association;
• Actively solicit applications from eligible geologists for membership in this Association; and
• Recognize the obligation to attend all meetings of the house of delegates during their terms, and to perform their duties to the best of their ability.

ARTICLE VII – ADVISORY COUNCIL

SECTION 1. Composition
A. The advisory council shall be composed of one elected councilor from each section or region with up to 3,000 Members plus one elected councilor for each additional 3,000 Members or fraction thereof, the immediate past chair of the house of delegates, the immediate past president of AAPG, and the chief elected officer of each division. The president immediately prior to the immediate past president of AAPG may elect to serve on the advisory council for up to two years, but if service is declined or discontinued for any reason, service may not be resumed under this clause. The date of record for determining councilor membership shall be November 30 of each year.
B. Unless the immediate past president of AAPG elects to serve as chair, the council shall elect a chair from among the members of the advisory council. The chair shall appoint a recording secretary to take minutes of each meeting.
C. An alternate representative may be designated for an elected advisory council position, who shall be the councilor’s immediate predecessor on the advisory council or, if such person is unwilling or unavailable, a current member of that region, section or division shall be designated by its president to serve as the representative for that advisory council meeting or to fill a vacancy.

SECTION 2. Election and Term of Office
A. Councilors shall be elected by ballot by the Members of their respective section or region. There shall be at least two candidates on the ballot for each position. Candidates may be nominated by the respective governing body or by petition of at least fifty Members of the section or region. Petitions must be delivered to the section or region president at least thirty days prior to the start of the election.
B. The term of office for councilors shall be three years, commencing on July 1. Terms shall be staggered according to a schedule established by the executive committee.

SECTION 3. Duties
A. The advisory council shall:
• Serve as a long range planning body to review the Association’s activities and recommend to the executive committee appropriate changes of programs and policies;
• Recommend candidates for Association officers;
• Recommend recipients for all honors and awards as directed by the executive committee;
• Review the relationships among the Association, sections, regions, divisions and other components and recommend adjustments to the executive committee as deemed necessary;
• Continually review the bylaws and recommend changes as deemed necessary; and
• Perform such other service to AAPG as directed by the executive committee.
B. Five members of the advisory council shall serve as the hearing body in grievance proceedings as provided in the disciplinary code.

SECTION 4. Meetings
The advisory council shall meet at least once each year during the annual meeting of the Association and at the call of the chair. The quorum shall be a majority of its members. The advisory council may also act by mail or electronic means as requested by the executive committee. Proxy voting shall not be allowed.

SECTION 5. Vacancies
Vacancies in councilor positions shall be filled by an election to be held within 120 days of said vacancy.

ARTICLE VIII – COMPONENT GROUPS AND AFFILIATIONS

SECTION 1. Organization
The establishment, composition and dissolution of sections and regions shall be the responsibility of the house of delegates upon recommendation by the executive committee. The internal affairs of such sections and regions shall be administered by each section and region, consistent with the purposes and policies of this Association.

SECTION 2. Sections
A. Sections shall be established within the United States for the purpose of sponsoring technical meetings, publications, and other activities that further the objectives of the Association within the section. Sections shall be geographically organized. The members of sections may be individuals or federated affiliated geological societies.
B. The sections shall be titled:
• Eastern Section;
• Mid-Continent Section;
• Southwestern Section;
• Gulf Coast Section;
• Rocky Mountain Section; and
• Pacific Section.

SECTION 3. Regions
A. Regions shall be established outside the United States for the purpose of sponsoring technical meetings, publications, and other activities that further the objectives of the Association within the region. Regions shall be geographically organized. The members of regions may be individuals or federated affiliated geological societies.
B. The regions shall be titled:
• Canada Region;
• Latin America and the Caribbean Region;
• Europe Region;
• Africa Region;
• Asia Pacific Region; and
• Middle East Region.

SECTION 4. Technical Divisions
A. Technical divisions may be established by the house of delegates at its annual meeting upon recommendation of the executive committee. A two-thirds vote shall be required to establish or dissolve a technical division. Technical divisions may affiliate with other scientific societies with the approval of the executive committee, and may have their own governing documents.
provided that they do not conflict with the AAPG bylaws. The executive committee shall determine whether such conflict exists. The executive committee shall be empowered to make arrangements with the officers of the division for the conduct of the business of the division.

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

SECTION 5. Technical Interest Groups and Special Interest Groups

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

SECTION 6. Affiliated and Associated Societies.

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

ARTICLE IX – COMMITTEES

SECTION 1. Standing Committees

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

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

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

SECTION 2. Ethics Committee

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

SECTION 3. Special Committees and Delegations

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

SECTION 4. Association Representatives to Non-Association Committees

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

ARTICLE X. PARLIAMENTARY AUTHORITY

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

ARTICLE XI. DISSOLUTION

In the event of the dissolution of the Association, the Association shall distribute any assets remaining after the discharge of all liabilities, for charitable, scientific, or educational purposes in strict compliance with exemption provided under Section 501 (c)(6) of the Internal Revenue Code of 1986. Any such assets not so disposed of shall be disposed of by a court of competent jurisdiction for the county in which the principal office of the Corporation is then located, exclusively for such purposes or to such organization or organizations as said court shall determine, which are organized and operated exclusively for such purposes. It is recognized that, under these circumstances, no member of the Association shall have any right or interest in or to the property or assets of the Association.

ARTICLE XII. AMENDMENTS

SECTION 1. Proposal of Amendments

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

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

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

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

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

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

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

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

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

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

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

APPENDIX A

AAPG CODE OF ETHICS

SECTION 1. General Principles
a. Geology is a profession, and the privilege of professional practice requires professional morality and professional responsibility.

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

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

SECTION 2. Relation of Members to the Public
a. Members shall not make false, misleading, or unwarranted statements, representations or claims in regard to professional matters, nor shall they engage in false or deceptive advertising.

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

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

SECTION 3. Relation of Members to Employers and Clients
a. Members shall disclose to prospective employers or clients the existence of any pertinent competitive or conflicting interests.

b. Members shall not use or divulge any employer’s or client’s confidential information without their permission and shall avoid conflicts of interest that may arise from information gained during geological investigations.

SECTION 4. Relation of Members to One Another
a. Members shall not falsely or maliciously attempt to injure the reputation or business of others.

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

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

SECTION 5. Duty to the Association
a. Members of the Association shall aid in preventing the election to membership of those who are unqualified or do not meet the standards set forth in this code of ethics.

b. By applying for or continuing membership in the Association each member agrees to uphold the ethical standards set forth in this code of ethics.

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

SECTION 6. Discipline for Violations of Standards
Members violating any standard prescribed in this article shall be subject to discipline as provided by the AAPG bylaws and disciplinary code.

APPENDIX B

DISCIPLINARY CODE

SECTION 1. Executive Committee Authority and Responsibility
Subject to the provisions of the AAPG bylaws, the executive committee shall have primary authority over matters of professional conduct and discipline. Unless otherwise provided by these bylaws, no member, committee, division, section, or region of the Association shall initiate or conduct any investigation or hearing or impose any sanction concerning the professional conduct of an Association member or applicant for Association membership. The executive committee shall adopt procedures governing the investigation, hearing, and disposition of charges of misconduct, and shall publish such procedures in the Bulletin or by other suitable means.

SECTION 2. Disciplinary Action
Members shall be subject to disciplinary action for: (a) violating the AAPG Code of Ethics, or (b) pleading guilty to a
misdemeanor involving moral turpitude or to any felony, admitting to the violation of any governmental statute, regulation, rule, or code of ethics relating to the practice of geology; or who, as determined by the executive committee, falsely stated qualifications for membership.

SECTION 3. Violations of the AAPG Code of Ethics
A. For violations of the AAPG Code of Ethics, charges shall first be submitted in writing to the executive director at Association headquarters, and shall include a statement of the evidence on which the charges are based. The executive director shall submit the charges to the ethics committee. If in the judgment of the ethics committee and after consultation with AAPG legal counsel, the evidence supports further action by the Association, the committee shall prepare and file formal charges with the advisory council at Association headquarters.

B. For violations of the AAPG Code of Ethics, and upon the notification of member actions or the filing of formal charges, the chair of the advisory council shall appoint a hearing body composed of five members of the advisory council, including at least one past president of the Association. The ethics committee shall appoint one of its members as the prosecutor. Both the prosecutor and the accused member may challenge such appointments and require removal of up to two members of the hearing body. Such removed members shall be replaced with other members of the advisory council selected by the chair of the advisory council. The hearing body shall set the time, date, and place for a hearing on the charges. The accused member shall be given such written notice at least thirty days prior to such date, mailed to the member by registered mail to the member’s last-known mailing address. The notice shall also include a copy of the formal charges, the disciplinary code and any other adopted disciplinary procedures. As applicable, the notice shall also be accompanied by a copy of a court document or other official document indicating such plea of guilty or admission of violation, a copy of the judgment or other document indicating such conviction or finding, and a copy of any applicable order of an appellate court or other appellate body, or a statement explaining such charge of falsely stating qualifications of membership.

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

The executive committee shall have the right to cross-examine the member and any witnesses presented by the member on the member’s behalf. At the member’s option, the member may, by registered letter addressed to the president of the Association at Association headquarters, postmarked not less than ten (10) days prior to the date of the hearing request that the executive committee consider the matter on the basis of a written statement by the member accompanying such a letter without the personal appearance of the member. The executive committee shall consider such statements prior to voting on the suspension or expulsion of the member.

B. A member who does not plead guilty to but is convicted of the aforementioned offenses may be suspended from membership in the Association upon a majority vote of all members of the executive committee of the Association. If such a conviction or finding is the subject of an executive pardon, the member shall be reinstated to membership. If such a conviction or finding is not appealed, or is upheld on final appeal, the member may be expelled from membership by a majority vote of all members of the executive committee, following a trial at which the executive committee shall serve as the hearing body. If such a conviction or finding is the subject of an executive pardon, the member shall be reinstated to membership upon a majority vote of all members of the executive committee of the Association.

SECTION 4. Other Violations
A. For disciplinary action resulting from pleading guilty to a misdemeanor involving moral turpitude or to any felony; admission to the violation of any governmental statute, regulation, rule, or code of ethics relating to the practice of geology; or a false statement of qualifications for membership; the executive committee shall set the time, date, and place for a hearing on the charges. The accused member shall be given such written notice at least thirty days prior to such date, mailed to the member by registered mail to the member’s last-known mailing address. The notice shall also include a copy of the formal charges, the disciplinary code and any other adopted disciplinary procedures. As applicable, the notice shall also be accompanied by a copy of a court document or other official document indicating such plea of guilty or admission of violation, a copy of the judgment or other document indicating such conviction or finding, and a copy of any applicable order of an appellate court or other appellate body, or a statement explaining such charge of falsely stating qualifications of membership.

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

The executive committee shall have the right to cross-examine the member and any witnesses presented by the member on the member’s behalf. At the member’s option, the member may, by registered letter addressed to the president of the Association at Association headquarters, postmarked not less than ten (10) days prior to the date of the hearing request that the executive committee consider the matter on the basis of a written statement by the member accompanying such a letter without the personal appearance of the member. The executive committee shall consider such statements prior to voting on the suspension or expulsion of the member.

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

SECTION 5. Disposition of Charges
A. After the conclusion of the hearing or study of the written defense submitted in lieu thereof, the hearing body shall consider and vote to sustain or dismiss the charges. A finding sustaining the charges shall require a four-fifths vote. Notice of the decision of the hearing body shall be sent by registered mail to the accused member at the member’s last-known post office mailing address.

If the charges are sustained, the hearing body may impose the following discipline:

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

B. Disposition of the charges on any terms or conditions may be made at any time prior to the conclusion of the proceedings, provided such disposition has been agreed to by all of the members of the ethics committee, the chair of the advisory council, the accused member, and the executive committee. The existence of allegations against any member and their basis and content shall be confidential.
SECTION 6. Appeals Procedure
Action taken by the hearing body may be appealed to the executive committee of the Association by either the accused member or the ethics committee within thirty (30) days of the date notice of the decision of the hearing body is sent to the accused member. The executive committee shall have final authority whether to sustain or order a rehearing on the decision of the hearing body.

SECTION 7. Resignation
Resignation by the accused member from the Association, at any stage in the foregoing prescribed proceedings, shall automatically terminate the proceedings. Following resignation, the accused person so resigning shall not be eligible for reinstatement to membership except by unanimous vote of all members of the executive committee of the Association.

SECTION 8. Expulsion
Persons expelled from the Association under these proceedings shall be ineligible for reinstatement to membership except by unanimous vote of all members of the executive committee of the Association.

SECTION 9. Publication of Grievance Matters
The executive director of the Association shall cause to be published annually in the Bulletin or by other suitable means a summary of all grievance proceedings initiated, pending, or considered each year. The summary shall include, but not be limited to, the general type of complaint, the level of grievance procedure attained, and status or disposition of the case. Names of parties shall not be published, except that the name of any member expelled from the Association shall be published in said summary.