

# 2010 ANNUAL REPORT

— For the Fiscal Year July 1, 2009 to June 30, 2010 —

## The American Association of Petroleum Geologists

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

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

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

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

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

- Advancing the science of geology, especially as it relates to petroleum, natural gas, other subsurface fluids, and mineral resources

- Promoting technology for exploring for, finding, and producing these materials in an economically and environmentally sound manner

- Fostering the spirit of scientific research throughout its membership

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

- Inspiring and maintaining a high standard of professional conduct on the part of its members

- Providing the public with means of recognition of adequately trained and professionally responsible petroleum geologists

- Advancing the professional well-being of its members

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

## Founders of AAPG

William F. Absher

Walter J. Allen

J.M. Armstrong

F.L. Aurin

R.F. Baker

John G. Bartram

Mowry Bates

C. Max Bauer

Albert L. Beekly

Walter R. Berger

W. Grant Blanchard

Ed Bloesch

James P. Bowen

Robert Wesley Brown

Alan Bruyer

Frank Bryan

H.A. Buehler

George E. Burton

Frank Buttram

W.R. Calvert

Everett Carpenter

Albert S. Clinkscales

R.A. Conkling

Clifton S. Corbett

G.H. Cox

E.J. Cragoe

A.F. Crider

C.L. Cumming

Edward Hardin Davis

L.R. Dawson

Charles E. Decker

E. DeGolyer

Alexander Deussen

W.E. Dodge

L.G. Donnelly

N.F. Drake

H.D. Easton

Charles R. Eckes

A.E. Fath

Otto A. Fischer

F. Julius Fohs

Thomas J. Galbraith

James H. Gardner

D.L. Garrett

Robert E. Garrett

H.B. Goodrich

Charles N. Gould

Frank C. Greene

Dorsey Hager

Chester A. Hammil

Burton Hartley

Huntsman Haworth

R.S. Hazeltine

K.C. Heald

Bryan Hendon

John M. Herald

Earle P. Hines

Charles W. Honess

Joseph S. Hook

J.V. Howell

Richard Hughes

V.H. Hughes

L.L. Hutchison

C.E. Hyde

Harry R. Johnson

William Kennedy

Grady Kirby

Charles T. Kirk

William C. Kite

Marvin Lee

Raymond Leibensperger

J. Whitney Lewis

Harve Loomis

Hugh J. Mackay

Alex W. McCoy

Edgar W. McCrary

A. Stafford McCullough

H. Harper McKee

M.G. Mehl

George H. Meyers

William J. Millard

V.E. Monnett

Raymond C. Moore

Francis P. Mully

M.J. Munn

Jerry B. Newby

D.W. Ohern

E.C. Parker

Irving Perrine

G.C. Potter

Sidney Powers

Wallace E. Pratt

Sylvan S. Price

Forest R. Rees

Robert J. Riggs

Charles H. Row

Paul Ruedemann

J.M. Sands

E.W. Scudder

C.L. Severy

C.W. Shannon

Walter M. Small

Carl D. Smith

L.B. Snider

L.C. Snider

W.C. Spooner

Dean M. Stacy

Charles H. Taylor

J. Elmer Thomas

L.E. Trout

Johan A. Udden

Herbert N. Uri

M.M. Valerius

W.A.J.M. van Water

schoot van der Gracht

V.V. Waite

Lucian Walker

K.D. White

Earl V. Whitwell

A.J. Williams

E.G. Woodruf

W.E. Wrather

Harry F. Wright

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

## President

The AAPG Executive Committee met seven times during 2009-1010, with several interspersed teleconferences. Secretary Bill Houston, even while transferring from Denver to a new job in Thailand, has thoughtfully recorded the minutes of these meetings. Most of the meetings were planned to coincide with other regular AAPG meetings (i.e., the Annual and International Convention and Exhibition meetings, several section meetings, and NAPE) in order to promote interaction between the Executive Committee and the AAPG members who elected them.

For the same reason, the Executive Committee members as well as Directors from Headquarters have been visiting many of the U.S. affiliated societies (Wichita, Ardmore, Tulsa, Houston, Anchorage, Roswell, Midland, among others) in order to answer questions and to promote an understanding of the workings of AAPG, while gathering grass-roots information on member views and concerns. Members of the AAPG Executive Committee and the executive director have also visited AAPG members and affiliated groups in Moscow, Cartagena, Bahrain, London, Aberdeen, Tokyo, Singapore, Bangkok, and Paris.

This year's EC focus has included not only strengthening connections with the affiliated organizations but also the scientific mission of the association. Geoscience, underpinned by both our scientific publications and the AAPG technical meetings, is the core of AAPG, and Elected Editor Gretchen Gillis has nurtured that mission, receiving over 200 manuscripts for consideration by the AAPG Bulletin by diligently working to make it an attractive place for authors to publish.

Several geological societies have requested affiliation with AAPG during the course of the year, including the Atlantic Geoscience Society and the Balochistan Geoscientists Association. Provisional acceptance has been offered pending final action by the House of Delegates and HoD chair Steve Sonnenberg.

Another part of this program for enhanced and standardized interaction with the affiliated societies and groups has been the formulation of a set of procedures and guidelines delineating the interactions between AAPG Headquarters and the international regions, overseen by AAPG

Vice-President for Regions Alfredo Guzman. If successful, the guidelines and procedures can be used as models for standardizing the presently diverse interactions between headquarters and the U.S. Sections, although such follow-on will be more complicated since the U.S. Sections are independently incorporated.

W.C. "Rusty" Riese, vice president for Sections, has followed up on last year's discussions on global corporate structure, obtaining an important second legal opinion that confirms that AAPG assets will be protected by our existing corporate structures as we expand internationally. We now have three Regions offices, in

## Statement of Income and Expenses

|   | General Fund<br>FY 2008-09 | General Fund<br>FY 2009-10 | Budget<br>FY 2009-10   |
|---|----------------------------|----------------------------|------------------------|
| <b>Operating Income</b>                     |                            |                            |                        |
| Dues  | \$ 1,971,659.00            | \$ 1,946,891.00            | \$ 2,461,866.00        |
| BULLETIN Subscriptions                      | 277,341.00                 | 267,850.00                 | 301,200.00             |
| Advertising Income                          | 1,990,783.00               | 1,500,346.00               | 1,521,216.00           |
| Sales of Publications                       | 654,439.00                 | 587,292.00                 | 644,800.00             |
| Interest and Dividends                      | 321,698.00                 | 195,691.00                 | 221,000.00             |
| Investment Income from NAPE                 | 547,041.00                 | 477,727.00                 | 480,000.00             |
| Education and Misc. Service Fees            | 3,045,872.00               | 2,940,852.00               | 3,999,164.00           |
| Conferences and Meetings                    | 6,293,105.00               | 5,985,999.00               | 5,885,824.00           |
| Page Contributions                          | 9,955.00                   | 5,186.00                   | 5,040.00               |
| Gain (Loss) on Datapages                    | (34,119.00)                | (131,315.00)               | 69,817.00              |
| Gain (Loss) on International Pavilion       | 30,320.00                  | 5,955.00                   | 30,000.00              |
| Grant Income                                | 615,640.00                 | 1,024,834.00               | 806,412.00             |
| Miscellaneous                               | 899,688.00                 | 399,897.00                 | 1,064,390.00           |
| <b>TOTAL OPERATING INCOME:</b>              | <b>16,623,422.00</b>       | <b>15,207,205.00</b>       | <b>17,490,729.00</b>   |
| <b>Operating Expenses</b>                   |                            |                            |                        |
| Salaries                                    | \$ 3,396,017.00            | \$ 3,435,088.00            | \$ 3,865,850.00        |
| Employee Benefits                           | 1,371,663.00               | 1,652,871.00               | 1,404,084.00           |
| Publishing Cost of BULLETIN                 | 242,097.00                 | 28,900.00                  | 264,000.00             |
| Publishing Cost of EXPLORER                 | 321,892.00                 | 197,222.00                 | 245,280.00             |
| Cost of Special Publications Sold           | 237,980.00                 | 177,817.00                 | 195,976.00             |
| General Office Expense                      | 1,035,744.00               | 1,022,298.00               | 1,117,834.00           |
| Postage and Shipping                        | 671,385.00                 | 635,149.00                 | 737,976.00             |
| Building Expense                            | 253,381.00                 | 248,856.00                 | 243,554.00             |
| Professional Fees                           | 2,362,801.00               | 1,861,412.00               | 1,947,892.00           |
| Staff Travel                                | 432,889.00                 | 404,920.00                 | 415,801.00             |
| Professional Travel                         | 1,299,450.00               | 1,033,001.00               | 1,215,062.00           |
| Conferences and Meetings                    | 3,883,808.00               | 5,038,756.00               | 4,707,027.00           |
| Depreciation                                | 230,726.00                 | 163,141.00                 | 204,780.00             |
| AGI Dues                                    | 59,132.00                  | 70,599.00                  | 60,000.00              |
| Meeting Presence / Display                  | 66,770.00                  | 30,922.00                  | 45,955.00              |
| Miscellaneous Grants and Awards             | 556,485.00                 | 344,017.00                 | 491,847.00             |
| Miscellaneous                               | 463,063.00                 | 464,595.00                 | 537,027.00             |
| <b>TOTAL OPERATING EXPENSES:</b>            | <b>16,885,283.00</b>       | <b>16,809,564.00</b>       | <b>17,699,945.00</b>   |
| <b>Income (loss) from Operations</b>        | <b>\$ (261,861.00)</b>     | <b>\$ (1,602,359.00)</b>   | <b>\$ (209,216.00)</b> |
| <b>BALANCE SHEET SUMMARY</b>                |                            |                            |                        |
| Assets                                      | \$16,691,275.00            | \$14,301,739.00            |                        |
| Liabilities                                 | \$4,795,131.00             | \$6,533,634.00             |                        |
| Fund Balance                                | \$11,896,144.00            | \$7,768,105.00             |                        |
| <b>TOTAL LIABILITIES &amp; FUND BALANCE</b> | <b>\$16,691,275.00</b>     | <b>\$14,301,739.00</b>     |                        |

The figures reflected above in the FY 2009-2010 are preliminary, as the audit, and the audit of all the required affiliates and subsidiaries has not been completed at the time this statement went to print.

Bahrain, Singapore, and London. These offices will provide member services and develop AAPG programs in the local regions. Plans for additional international offices are on hold until the global economy and the AAPG budget will definitively support them.

The AAPG budget began the year with a significant deficit (about 7% of the annual budget in the red, see the accompanying treasurer's report), and the global economy did not allow us to gain on that deficit during the year despite economization programs instituted by headquarters and AAPG elected Treasurer Kay Pitts. The final tally for the year is not in as this is being written, but we have held the line and have not gone deeper into the red than budgeted at the beginning of the year.

Much Executive Committee discussion this year has revolved around an expansion initiative by the AAPG Energy Minerals Division. This plan would provide as many as 12 new technical committees, focused primarily on energy-related commodities. These committees will promote the science of these commodities, and would collect related data for websites that would be available to all AAPG members. In order to facilitate this and to expand this division, the Executive Committee, at the request of the division, voted to eliminate dues for the division, at the same time opening up EMD membership to all AAPG members who express interest.

The Executive Committee also voted to disband or "sunset" the AAPG Global Climate Change Committee. The committee was deemed to have fulfilled the purpose for which it had been created, and it was felt that AAPG's expertise in subsurface fluid flow, coastal processes in the event of rising sea level, and deep-time climate change would be more appropriate areas of investigation. These areas are being assigned to other existing AAPG committees.

An ad hoc Tactical Operations Committee, chaired by President-elect Dave Rensink, was charged with assessing the effectiveness of the implemented changes at AAPG Headquarters recommended by the previous four Tactical Operations committees. The Tac Ops committee found that overall the changes have been effective and beneficial, and additional minor changes were suggested.

This year's Executive Committee has been compatible and productive even while expressing divergent opinions and voting in different directions on many of the issues that have been debated and decided. It has been a pleasure to chair this group and to work with the dedicated

AAPG headquarters staff. It has been an honor to serve AAPG membership as President.

**John Lorenz, President**

## Treasurer

The Executive Committee anticipated that this would be an "interesting" year due to the recession, expenditures associated with the early years of the global offices and new programs for members and students initiated over the past few years. It turned out to be even more interesting than expected. The 2009–2010 fiscal year budget finished with a deficit slightly higher than the anticipated \$1.1M deficit on budgeted expenditures of \$18.1M. I am providing more detail than usual in this report because of the concern we should all have for this deficit in operations - even one that was expected and planned for in prior years.

Operating Income was down 7.9% from the budget; 71% of this was due to lower income from dues, publication sales, interest and dividends. The reasons for these deviations from budget are:

- Dues income: 16% lower than budgeted - Corporate Group memberships did not materialize as expected and a higher than usual number of Associates have not renewed membership. However, total income from dues was only slightly below the actual dues income last year. On a positive note, indications are that the graduated dues program is enabling retention of financially stressed AAPG members in the U.S. and making AAPG affordable to international members that meet the income requirements.
- Sale of publications income: 25% lower than budgeted. This is a result of lower than expected publication sales due to the economy.
- Interest and dividends income: 40% lower than budgeted. While there were some improvements in returns due to judicious investing on the part of the Investment Committee, the economic slowdown still took a toll.

Two notable items that met budget during this difficult year are Advertising and Convention income.

- Advertising income: The hard work of staff and the continued support of advertisers in the Explorer and on the web led to this income stream meeting its budget.

- Convention income: Almost 1% above budget. Convention income was 60% of the actual income for the fiscal year. This is attributed to attendance by members and support by sponsors at the Annual and International Conventions and Exhibitions in New Orleans and Rio de Janeiro. Surplus income generated by these events supports many member services.

The reduced income was mostly offset by expenses that ran 6.6% under budget. The Executive Committee, Advisory Council members, House of Delegates leadership, committee members, and AAPG staff are to be commended for extraordinary efforts in monitoring and reducing expenses without noticeably impacting member services. While budget savings are seen across the board, a few items stand out.

- Professional Fees: Conservative use of external professional staff resulted in a 22% reduction of actual expenses from budget.
- Professional Travel: Increased use of teleconferences and less AAPG-supported travel by the Executive Committee, Advisory Council and House of Delegate leadership resulted in a 14% reduction in expenses.
- Staff Salaries and Benefits: When possible, staff positions left vacant and conservative compensation increases resulted in these line items being 5% under budget. Of course, this means that the existing staff went above and beyond to continue providing a high level of service for members. It should be noted that a continuing shortage of staff in key areas such as Accounting will significantly impact the ability of AAPG to function effectively globally.

As Treasurer, I was fortunate to be involved in several areas of AAPG. One of these is as chair of the Audit Committee. The Committee realized a major goal this year by completing the "Guiding Principles for AAPG Regions" with the aid of AAPG staff and Region leadership. David Cook from the European Region was a major contributor to the effort. The document has been approved by the Executive Committee and signed by leadership from each Region. This document consolidates the legal, governance, and internal controls to which the Regions are subject and records financial agreements with respect to Region activities.

It was also my pleasure to serve on the Insurance Committee. The GeoCare

insurance program requires diligent oversight by the Insurance Committee. This benefit is critical to many of our members. The continual rising cost of health care, our guaranteed issue policy, and government actions with respect to health care increase the challenge of ensuring that this is a viable program. The Insurance Committee led by Bob Countryman has their work cut out for them.

To help offset rising costs for services, the 2009–2010 Executive Committee implemented increases in dues and shipping. The shipping increase shifts more of the cost of mailing the Bulletin to those who chose to receive it in hard copy. Even with these increases in dues and shipping, AAPG membership still costs significantly less than comparable societies.

In closing, I thank the membership for the honor of serving as your Treasurer the past two years. It was a very busy time and I had the opportunity to work on several major initiatives. I especially want to thank the Executive Committee and the AAPG staff. It was a pleasure to work with you; I look forward to continued service in my professional organization of choice.

**Kay Pitts, Treasurer**

## Editor

The Editor oversees four technical publication channels through which AAPG disseminates science, the *AAPG Bulletin*, Special Publications, and GIS or Spatial Publications, which are all peer-reviewed, and Search and Discovery, which is not strictly peer-reviewed.

### AAPG Bulletin

The Bulletin was designed for the dissemination of information on the geology and associated technology of petroleum, natural gas, and other energy mineral resources, and it occupies an important place in petroleum geoscience. Its membership in the select group of peer-reviewed journals whose citations are tracked affirms the importance of the *Bulletin* in the scientific literature. Papers in this group of journals that are useful to other authors are rewarded by being cited in subsequent papers, a form of recognition captured as an impact factor.

Some authors consider journal impact factors when deciding where to submit their manuscripts. This sort of reliance on impact factors puts the *Bulletin* at a slight disadvantage because many of its papers are widely used, but not widely cited. The

information and results in the *Bulletin* are applied by working geoscientists every day as they explore for and produce oil and gas, but many *Bulletin* readers are practitioners who never publish papers that cite the *Bulletin*. Impact factors are important to our academic audience, and they give some sense of how the *Bulletin* and AAPG contribute to science, but they do not tell the whole story. More informative, but impossible to determine, would be to calculate the billions of barrels of oil that have been discovered as a result of applying lessons learned from *Bulletin* papers. The impact factor of the *Bulletin* increased to 1.448 in 2009 from 1.273 in 2008. The *Bulletin* remained the top-ranked of 23 journals in the category "Petroleum Engineering," and it ranks highly in other journal categories.

Impact factor aside, the *Bulletin* is significant to the academic community. The *Bulletin* enjoys one of the highest rates of download among the collection of journals in the GeoScienceWorld collection, an aggregation of 38 high-impact, peer-reviewed earth science journals to which academic institutions worldwide subscribe.

The *Bulletin* is receiving record-breaking numbers of manuscript submissions. The number of manuscripts submitted to the *Bulletin* increased in 2009 to 210 manuscripts, up from 169 in 2008, and the highest since record keeping began in 1990. Of the manuscripts received in 2009, 31% were accepted for publication with revisions and 39% were rejected. The Bulletin can become even more selective if the number of manuscript submissions remains steady at this level.

In calendar year 2009, 70 papers were published, including 39 (56%) regional studies and 31 (44%) topical (non-geographical) studies. Of the regional studies, 19 (27%) of the papers

addressed subjects from areas in the United States, seven (10%) from the Asia/Pacific area, two (3%) from Latin America, two (3%) from Europe, two (3%) from Africa, three (4%) from the Middle East, and four (6%) from Canada. Associate Editors appointed from all AAPG Regions and Sections are charged with encouraging manuscript submissions from their geographic areas. A theme issue, "Occurrence and Significance of Fractures in Reservoirs," edited by Peter Hennings, was published in 2009. Two theme issues are in preparation for publication in 2010 or later.

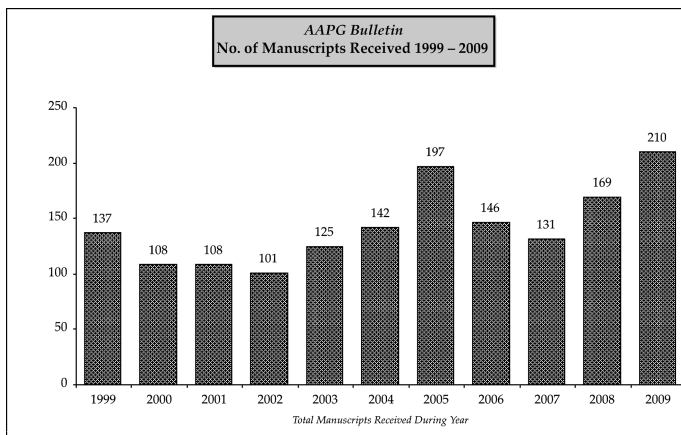
The average number of days required to review and act on manuscripts in 2009 remained 71 days from submittal to decision rendered. This rapid response reflects the efforts of the Associate Editors, reviewers, and headquarters staff to work as efficiently as possible.

2009 brought an increasing number of manuscript submissions from authors who are not native English speakers. Some of these manuscripts are at risk of being rejected simply because less-than-perfect writing can make it difficult for reviewers to understand the science. Bulletin readers might be deprived of important science if manuscripts are rejected for publication just because of language problems. A call for geoscientists who are native English speakers identified a small but dedicated group of volunteers who are now helping authors improve their writing before their manuscripts undergo scientific peer review.

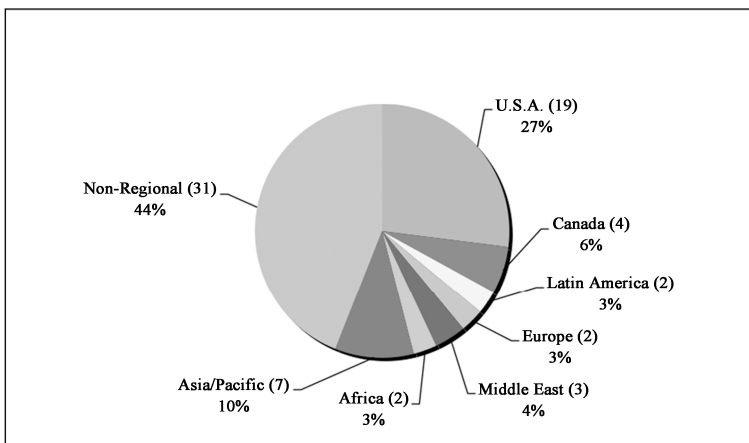
### AAPG Special Publications 2009 Releases

(Five AAPG Special Publications, 10 Datapages CD/DVD products)

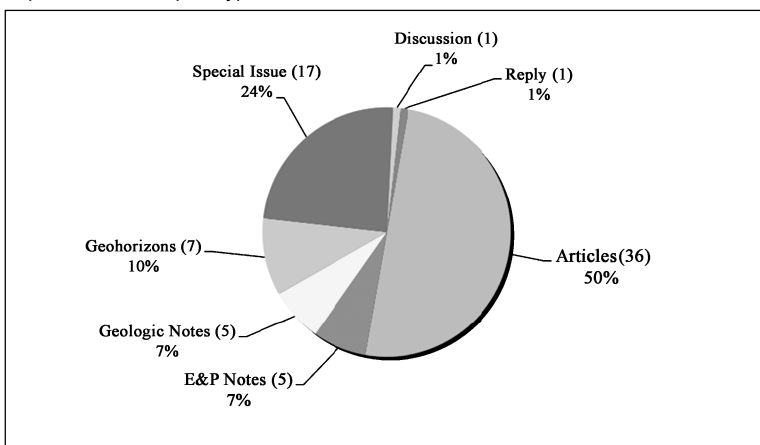
Studies in Geology 58—Geology of Cuba  
Studies in Geology 59—Carbon Dioxide Sequestration in Geological Media—State of the Science



Papers Published per Geographical Area in 2009



Papers Published per Type in 2009



- Memoir 89—Natural Gas Hydrates—  
Energy Resource Potential and  
Associated Geologic Hazards
- Memoir 90—Petroleum Systems in the  
Southern Gulf of Mexico
- Memoir 91—Oil Field Production  
Geology
- Discovery Series 12/Methods 17  
Analog for Carbonate Sand Reservoirs:  
Joulter's Ooid Shoal
- Discovery Series 13 Atlas of Borehole  
Imagery, 2nd Edition
- Getting Started 15 Fluid Inclusions in  
Petroleum Systems
- Getting Started 16 Basin and  
Petroleum System Modeling
- Getting Started 17 Basin-Centered Gas
- Getting Started 18 Carbonate  
Sequence Stratigraphy
- Memoir 73 Petroleum Systems of  
South Atlantic Margins
- Memoir 60 The Petroleum System—  
From Source to Trap
- Publications of the Abilene Geological  
Society
- AAPG Bulletin Special Issue Fault Seals  
(March 2003) on CD-ROM

### GIS/Spatial Publications

The GIS Publications committee accepted seven proposals in calendar year 2009, recommended four GIS projects for the AAPG-OSU Petroleum Geoscience and GIS Consortium, and published seven projects in the AAPG spatial library.

### Search and Discovery

During calendar year 2009, the Search and Discovery Editorial Board edited and posted 496 submissions. Visits to the site continue to increase dramatically, with traffic up 17% over 2008.

**Gretchen M. Gillis, Editor**

### Advisory Council

The Council met twice during the 2010 fiscal year. At Leadership Days in August the council determined the AAPG award winners, which were presented at the Annual Meeting in New Orleans. At the

annual meeting, the council determined the candidates who will stand for office in FY 2011.

**Scott W. Tinker, Chair**

## House of Delegates

The Annual Meeting of the AAPG House of Delegates (HoD) was held on Sunday morning, April 11 at the New Orleans convention. The meeting had approximately 250 people in attendance including delegates, Past Presidents, Past Chairmen of the HoD, AAPG officer candidates, and invited guests. The total number of HoD delegates present was 187 out of a possible 214 (thus, over 80% representation). The HoD conducted important legislation and heard a variety of Association reports. The meeting was run using Robert's Rules of Order; Mary Bahde (professional parliamentarian from Denver) acted as Parliamentarian and advised the chairman about parliamentary issues.

Committee reports were given from all of the HoD committees (Credentials, Minutes Approval, Honors and Awards, Rules and Procedures, Constitution and Bylaws, Nominations and Elections, Resolutions, and Newsletter).

The Credentials Committee chaired by Randy Ray checked in all delegates and had them seated in the voting section. Guests were seated in a non-voting area. HoD officer candidates served as members of the credentials committee. 177 delegates signed in; 10 additional AAPG were approved by the HoD to be seated; the total number of delegates at the meeting was 187. The official quorum number was 108; thus a quorum was established.

The Minutes Approval Committee was chaired by Laura Zahm, House Secretary/Editor. The HoD approved the previous years minutes.

The 2010 Honors and Awards Committee was chaired by Mike Party. The HoD presented the following awards: Honorary Member of the House, Marty Hewitt; Distinguished Member of the House, Don Clarke and Bob Lindblom; and House Long Service Award, Paul Britt, Jeanne Harris, and Susan Landon. In addition, certificates of service awards for 9 and 15 years of HoD service were issued to 17 and 25 people, respectively.

The 2010 Rules and Procedures Committee was chaired by Maurice Birdwell. The committee reviewed the

Rules and Procedures, considered some items but did not recommend any changes.

The HoD Constitution and Bylaws Committee was chaired by John Hogg. Hogg reviewed items deliberated by the committee including Global Corporate Structure. The C&B Committee concluded that the current AAPG structure will fit into the model of global expansion and will continue to serve AAPG well into the future. All proposed amendments to the AAPG Bylaws were passed by the HoD including:

- Article II, Section 3, of the AAPG Bylaws to eliminate a reference to a date.
- Article II, Section 10, of the AAPG Bylaws to eliminate a reference to a date.
- Article II, Section 11, of the AAPG Bylaws to eliminate a reference to a date.
- Article IV, Section 3, of the AAPG Bylaws to provide for appointment of Delegates from United States Affiliated Societies if such Delegates are not elected prior to sixty (60) days before the annual meeting of the House of Delegates.
- Article V, Section 1 and Section 6, of the AAPG Bylaws to provide for the

Advisory Council to recommend recipients of honors and awards when directed to do so by the Executive Committee.

- Article VIII, Section 1 and Section 2, of the AAPG Bylaws to provide for standing committee co-chairmen and committee managers and to limit the terms of committee vice-chairmen.
- Article VIII of the AAPG Bylaws to add a new Section 4 to limit the terms of AAPG representatives to non-AAPG committees.

The HoD Nominations and Elections Committee presented recommendations for the new House officers. The committee was chaired by Larry Wickstrom and recommended Peter Lloyd and Jeff Lund as candidates for HoD Chairman-Elect and H.W. Peace and Patrick Gooding for the HoD secretary-editor position. The HoD elected Jeff Lund, chairman-elect, and Patrick Gooding as secretary-editor.

The Resolutions Committee, chaired by Sandi Barber (Maurice Birdwell gave the report), recommended to the HoD that the Balochistan Geoscientists Association

and Atlantic Geoscience Society be granted affiliation status with AAPG. The HoD passed the motion. The following societies were identified as possible candidates for disaffiliation: Everglades Geological Society, Geological Society of Iowa, Miami Geological Society, San Angelo Geological Society, and the Southeastern Geological Society.

The Newsletter committee (i.e., Delegates Voice) was chaired by Laura Zahm. Zahm initiated the "digital" delegate's voice, which was sent out to over 4,000 active members.

There was no new business presented to the HoD at the New Orleans meeting. Chairman Sonnenberg invited chair-elect David Hawk to take over the gavel and wished him a successful 2011 meeting in Houston.

***Stephen A. Sonnenberg, Chair***

# Reports of the Foundation and Petroleum Technology Council

## Foundation

The AAPG Foundation was established in 1967 as a 501(c)(3) organization and provides a source of funding for programs that benefit the general public, encourage a better understanding and advancement of the geosciences and for projects that support the education, training and career enhancement for earth scientists.

## Financial Overview

As everyone knows, the economy has been challenging the past several years. However, the economy did improve modestly last year, which assisted in the Foundation's investment portfolio growth. The Foundation portfolio grew by 6.5% which is the first gain in the past three years.

The investment portfolio is conservatively invested and well diversified and includes public and private equity mutual funds, fixed income mutual funds, international investments and real estate. The investment portfolio of the Foundation amounted to \$31.3 million on June 30, 2010 compared to \$29.2 million on June 30, 2009.

The Foundation financial audit had not yet been completed at the time of this writing, thus this financial information is preliminary until the audit is completed. For fiscal year 2009–2010, the Foundation operating revenue amounted to \$936,575 compared to last year for the same period of \$1.665 million. Revenues came primarily from rental income, interest, dividends and capital gains, and oil and gas royalties. Revenue was lower in FY2010 primarily due to lower interest, dividends and capital gains from the portfolio. Operating expenses totaled \$1.424 million compared to the previous year of \$1.683 million.

Including contributions to the Foundation of \$2.241 million and awards and grants of \$2.125 million, the Foundation had a surplus for the year of \$2.2 million. For comparison, in fiscal year 2008-2009, the Foundation had a loss of \$6.8 million due primarily to losses in the portfolio of \$6.9 million.

The contributions to the Foundation for FY 2009–2010 of \$2.24 million are above FY 2008-2009 of \$1.43 million. Approximately 15% of AAPG members contributed to the Foundation through their AAPG dues statements. For FY

2008–2009, 10% of AAPG members contributed to the Foundation in this manner, and in 2006–2007, contributions were \$1,011,278 with 15% of the AAPG members contributing voluntarily through their AAPG dues statements.

## Program Support

The Foundation continues to support many of the core programs supported the past several years as well as some new programs. Awards and grants amounted to \$2.125 million. This number includes \$567,000 for the Bridge Fund and compares to \$1.286 million in FY 2008–2009; \$1.24 million in fiscal year 2007–2008, and \$816,054 in FY 2006–2007.

During the past year, the Foundation continued to support many of the valuable geological programs it has supported over the years such as the Distinguished Lecture and Visiting Geoscientist Programs, *AAPG Bulletin*, Energy Resource Library, L. Austin Weeks Undergraduate Grants, K-12 Education Programs, and Digital Products University Subscriptions. Some new programs have been approved and include Petrogrant and the Imperial Barrel Award.

Some of the major programs which received funding by the Foundation during the past year included \$10,000 for the AAPG Astrogeology Committee in support of the special publication, *Energy Resources for Human Settlement in the Solar System and Earth's Future in Space*; \$30,000 to support AAPG's Educational offerings through three Open Courseware online courses; \$25,000 in support of the University of Colorado's Interactive Geology Project; \$50,000 from the Bookout Initiative funds to support teacher workshops at the Ellison Miles Geotechnology Institute; \$30,000 to support AGI's Earth Science Week Program themed, "Exploring Energy"; \$31,797 to place 180 framed, laminated USGS Tapestry of Time and Terrain maps in 180 schools and 540 rolled maps to be placed in classrooms over 9 venues in 2010; and \$50,000 in support of the Bridge documentary.

The Grants-In-Aid program continues to grow with 74 Named/Memorial grants and six additional grants established but not yet fully funded. This year, four new named grants were endowed and provided additional funding by Eddie David for a student studying at

Texas Tech University, William E. Gipson for a student studying petroleum geology at Southern Methodist University, Michael S. Johnson for a student studying at Ohio State University, and the Robert & Carolyn Maby Memorial Grant was established for a student studying at the University of Wisconsin. Biographies of all Named and Memorial Grants are listed on the Foundation's Web site at <http://foundation.aapg.org/gja/names.cfm>.

For the 2009–2010 GIA Program, the Grants-in-Aid Committee, chaired by David Sivils, selected 84 deserving graduate students to receive Foundation support totaling \$203,000 through the program. The Grants-in-Aid program continues to support graduate and post-graduate students in the studies related to earth science aspects of the petroleum energy industry, including exploration and development of hydrocarbons and economic sedimentary minerals and relevant applications of environmental geology. Student recipients were invited to submit their abstracts for publication in the *AAPG Bulletin* and on the Search and Discovery Web site.

The L. Austin Weeks Memorial medal, established in 2008, is the Foundation's highest award and is given in recognition for extraordinary philanthropy and service directed to advance the mission of the AAPG Foundation. The premier award honors the late L. Austin Weeks, whose philanthropic legacy set an exemplary standard. This year the award went to Larry Funkhouser. He was presented the medal at the All-Convention Luncheon in New Orleans in April 2010.

Scotty Holland was the 12th recipient of the Chairman's Award for his support to the Foundation, and contributing \$250,000 to establish the AAPG Foundation/David Scotty Holland Endowed Professorship at Hardin Simmons University Holland School of Sciences and Mathematics for the Geological and Environmental Sciences Department. Holland accepted his award at the Chairman's reception in New Orleans.

## Fundraising Campaign

On July 1, 2005, The Board of Trustees, with encouragement and leadership from Larry Funkhouser and Jack C. Threet, Co-Chairmen of the "Meeting Challenges...Assuring Success",

Financial Campaign and Campaign Team Leaders Bob Ardell, John Amoruso, Bill Barrett, Bill Crain, Marlan Downey, Bill Fisher, Jim Gibbs, Bill Gipson, Ed Picou, and Marta Weeks united to kickoff the public phase of the campaign announcing a \$35 million goal. To date, over \$28.5 million has been raised in contributions and pledges by over 6,335 donors. We have commenced a fundraising program with corporations. We are confident the corporate phase will take us to our overall campaign goal.

### **Membership**

The AAPG Foundation Trustee Associates membership totaled 275 as of June 30, 2010. Officers are Bill Fisher (Chairman), John Amoruso (Vice Chairman), James Gibbs (Secretary), Bill Gipson (Treasurer), Marlan Downey and Bill Barrett. William L. Fisher was re-elected as Chairman of the Trustees for a three-year term to end on June 30, 2013. The 2009 annual meeting was held in Ponte Vedra, Florida in September, and the 2010 meeting was held in Greensboro, Georgia in October. Seven new Trustee Associate members were added during the current year and one member passed away. The Trustee Associates support has been and continues to be a critical and important factor in the growth and development of the Foundation.

At the annual meeting of the Members of the Corporation in New Orleans, LA on April 12, William J. Barrett and William L. Fisher were re-elected for three-year terms as Trustee members of the Foundation Corporation. Robbie Rice Gries, Frank W. Harrison, Jr., Paul M. Strunk, and Charles Weiner were re-elected as members of the Corporation for five-year terms.

The Board of Trustees extends a heartfelt thank you to each contributor for continued support of the Foundation's vision and mission. Together we can meet challenges and assure success for many years to come.

**William L. Fisher,**  
**Chair, Board of Trustees**

## **Petroleum Technology Transfer Council**

The Petroleum Technology Transfer Council (PTTC) has completed its third full year under AAPG management. PTTC's mission has stayed the same – to transfer E&P technology to U.S. oil and natural gas producers in a format that stimulates them to make informed technology decisions to solve problems and realize opportunities.

PTTC's Board, which is appointed by AAPG, directs PTTC's program with AAPG being retained as the managing entity for operations.

PTTC's regional structure consists of six Regional Lead Organizations (RLO's), which are roughly aligned with AAPG's domestic sections. The program is currently implemented through nine universities, geological surveys or producer organizations; this will expand as we find replacements for the regions that are not yet actively served. The RLO Directors are responsible for delivering affordable local workshops with technology transfer topics addressing the specific needs of the producers in their regions. The RLO's now deliver 65 to 75 workshops per year across the country. With the seed money that the National PTTC provides for each workshop, all of the regions have been able to operate within their budgets; two of the regions are generating excess revenues that can be used for other program opportunities. It should be noted that while some states may have some local organizations that work on petroleum technology transfer, the PTTC is the only acting organization doing this tech transfer on a national level.

Primary funding for the PTTC is from the U.S. Department of Energy (DOE). This was endangered several years ago due to funding cuts and R&D program changes brought about by the Energy Policy Act of 2005. It was at this time that the merging of PTTC under AAPG came to pass. With the stabilized funding brought about by the new DOE R&D program, the PTTC mission remains relevant and secure. In fact, the DOE has increased the responsibilities of the PTTC

by recognizing them as the primary Technology Transfer mechanism for disseminating oil and gas technologies to the industry. There is every reason to believe that this role will be increased in the future. There are two principal contracts from DOE: approximately \$800,000 annually for the main contract which has been continued and another \$377,000 for a multi-year Carbon Capture and Sequestration grant. Some of the funds are paid to the AAPG for their oversight services and complementing programs (such as the GTW CCS workshop). Additional demands of the DOE contracts have now required that the topics be developed at the national level and given at workshops in the local regions; while this has proven to be a challenge to implement, there are indications that more of this type of technology transfer will be required in the future.

Development of alternative funding outside of that provided by DOE grants and contracts continues to be a challenge. Several important steps have been taken by the PTTC Board of Directors and others are in the process of being implemented.

- Attendance fees have been increased to more adequately cover costs, while still remaining a bargain when compared to privately held workshops that are attended primarily by major company employees.
- A public relations and marketing expert has been contracted to help generate add sales (this is being managed so as to compliment and not be in conflict with the AAPG program). This was tried with little success a couple of years ago; hopefully with different tactics and a focus on how the marketing is handled it will prove to be more successful this time.
- Continuing fund raising is being implemented whereby users are encouraged to make voluntary contributions to the PTTC for what otherwise is providing considerable benefit at little or no cost. This has not been tried before.



- The pay-for-access to the PTTC Tech Place (\$195 per year) will be proactively marketed much as if it were a membership entry fee. By agreement AAPG shares directly in 50% of the revenues. (Note: the PTTC is a not dues membership collecting entity due to the restrictions on receiving DOE funding.)

PTTC maintains an active national communications program. Distribution for the newsletter "PTTC Network News" remains stable at about 18,000; e-mail "Tech Alerts" go to about 9,000 recipients on a frequent basis. PTTC also exhibits at major trade shows (for example SPE and NAPE) as well as in conjunction with AAPG, at Section

annual meetings. All PTTC communications and activities give tribute to the AAPG as their managing entity, thereby providing greater exposure to AAPG's presence in the oil patch among attendees (i.e., petroleum engineers) that are often outside of the associations normal client base. Opportunities have been created for PTTC to cooperate with AAPG in e-symposia/webinars and Geoscience Technology Workshops.

Thus far, PTTC's activities have not required cash input from AAPG. There is a high probability of continued base level funding from DOE, and there is every indication that the demands made on PTTC will be increasing. PTTC's funding

challenges are not over; the need to raise revenue in addition to the DOE funds is a primary objective of the current Board of Directors.

AAPG involvement has strengthened PTTC by providing access to a wealth of resources and knowledge on incorporating e-symposia, webinars and Geoscience Technology Workshops. PTTC's practical multi-disciplinary program adds variety to AAPG's conventional technical program. This has been a mutually advantageous relationship for both AAPG and PTTC.

**Chris Hall, PTTC Board Chair**

## Report of the Geoscience and Energy Office

The Geoscience and Energy Office in Washington, D.C. (GEO-DC) was established by the AAPG Executive Committee in June 2005. GEO-DC is now a well-regarded and respected entity, which provides a host of services to AAPG members and government. The office is critically important to AAPG members. The concern about and the lack of a coherent comprehensive U.S. energy policy is very high. Volatile prices for oil and gas, energy security vs. energy independence, climate change, tax increases to support a myriad of government programs and many other issues have skewed energy policy in the making. Proposals to award tax incentives to alternative energy are underscored, while plans to eliminate tax incentives for fossil energy threaten the livelihood of both domestic and international AAPG members. One of the six purposes of the association as stated in the constitution is "to advance the professional well-being of its members."

AAPG is not a trade association, but rather a scientific and professional

association. As such, GEO-DC's purpose is threefold: First, to communicate to policy makers and regulators the scientific knowledge and professional expertise of AAPG's members – to inform the policy making process with science. Second, GEO-DC communicates to AAPG members policy issues of importance and professional interest to them. Third, GEO-DC equips and trains AAPG members to communicate effectively to policy makers and creates opportunities for members to engage in the policy process.

The GEO-DC Governance Board (GOVBD) was created to provide effective member oversight of the office and its activities. The board consists of 11 (reduced to 10 at mid year) governors and six observers (with participation rights except voting). In addition, the board has an Advisory Committee of three AAPG past-presidents.

The Division of Professional Affairs (DPA) continued its close involvement with GEO-DC in 2009–2010, providing significant programmatic support through

the DPA Governmental Affairs Committee (GAC) and financial support for on-going office operations.

GAC is responsible for the development of AAPG statements, which outline the current views of the association on a host of policy issues. AAPG statements are the principal touchstone for GEO-DC on policy issues. They are developed by GAC based on suggestions from AAPG members, and then forwarded through the GOVBD and DPA Leadership to the Executive Committee for approval and adoption. The statements are reviewed and updated periodically to reflect new scientific advancements, policy developments, or other changes. The GAC began a full review this year of all AAPG statements.

In addition, the GAC with GEO-DC assistance developed a white paper entitled, "Research and Development Needs of the U.S. Independent Oil and Gas Producer." This white paper is being used to communicate to U.S. policy makers the importance of a

federal role in oil and natural gas research and development.

GAC issued several action and information alerts to interested AAPG members on issues ranging from access to the Outer Continental Shelf for exploration and production to proposed tax issues that would affect AAPG and DPA members, specifically independent producers.

This year GAC and GEO-DC hosted AAPG members in Washington, D.C. for two special Congressional outreach events. In September, AAPG joined with other earth science societies for Geosciences Congressional Visits Day 2009, and in May hosted members for AAPG Congressional Visits Day 2010. Participants at the May event also met with several key executive branch agencies. Both events gave AAPG members the opportunity to come to Washington, D.C., and to meet with lawmakers and their staff to talk about policy issues.

GEO-DC regularly responds to inquiries from Congressional staff on a variety of scientific and policy issues. When appropriate the association nominates AAPG members to serve on various

governmental panels. In 2009–2010 AAPG President John Lorenz submitted written testimony and comment to both Congress and the Administration on a variety of issues, including federal appropriations, access to data acquired using federal funds, Alaskan and offshore oil and natural gas development.

The office expanded its outreach efforts this year, briefing members of the Consumer Energy Alliance on AAPG and its mission. It supported GAC participation at the National Conference of State Legislators annual meeting in Philadelphia, Pennsylvania. GEO-DC Director David Curtiss moderated and participated in a panel of association representatives for a ministerial-level trade delegation from Ghana. He also moderated a public forum conducted at the 2009 Mid-Continent Section meeting in Tulsa; presented to a meeting of the Pittsburgh Association of Petroleum Geologists, spoke at a DPA breakfast at the 2010 Southwest Section meeting in Frisco, Texas; and a DPA Town Hall meeting in Oklahoma City.

Curtiss continues to write a monthly column for the *Explorer*, a column for the DPA *Correlator*, and updates

AAPG members regularly through the GEO-DC blog.

A workshop was held in Washington D.C., Sept. 17, 2009 to plan the future of GEO-DC. Fifteen projects/issues were vetted that will be prioritized for further development.

Special thanks to the members of the Governance Board: Vice Chairman Pete MacKenzie, Paul Britt, Jeff Eppink, Bill Goff, Lee Harvard, David Hawk, Jim Hill, Terry Hollrah, Deborah Sacrey, and Carl Smith, plus observers John Lorenz, Michael Jacobs, Frank Walles, Rick Fritz, Steve Sonnenberg, and Scott Tinker. Thanks also to Advisory Committee members Pat Gratton, Will Green, and Pete Rose.

Extra special thanks are due to director David Curtiss, who has been critical to the on-going functioning of the GEO-DC office, to my predecessor Pat Gratton, the principal driver of GEO-DC, and to outgoing governor Carl Smith, who was chairman of the GAC for many years. As chair, I have greatly appreciated the substantial assistance of Norma Newby, a very capable AAPG staffer.

**Daniel L. Smith, Chairman**

## Energy Minerals Division

The members of the AAPG Energy Minerals Division strive to be an important source for geological science-based technical information and for professional development in 10 different commodity areas: coalbed methane; gas shales; gas hydrates; oil sands; oil (kerogen) shales; tight gas sands, and coal; uranium (nuclear minerals); geothermal energy; renewable energy; and the energy economics and technology committee that deals with all of the above energy resources. Fundamental information on these technical fields can be accessed by all AAPG members on the EMD website (<http://emd.aapg.org/>).

### Achievements

An AAPG member can now elect at any time, at no added cost, to become an AAPG EMD member by simply checking off the appropriate box on their membership profile. With this checkbox, much more detailed information becomes available by logging in using their AAPG member number and unique password to the EMD Division's Members Only site at [http://www.aapg.org/members\\_only/](http://www.aapg.org/members_only/). The reason for an EMD membership requirement is to allow the member to express their relative interest in becoming part of the observing or Active committees dealing in some or all of the EMD commodity fields, depending upon how active the member wishes to be. A new AAPG Profile is under development to assist the prospective members in making their selections.

This added AAPG member benefit, where an AAPG member can obtain additional technical and geological information as well as direct participation opportunities in their specific field of interest, is a milestone event for the AAPG and the AAPG EMD. The added member benefit created by the elimination of the EMD annual dues, was achieved in early 2010, through the support of the AAPG Executive Committee, the AAPG executive director, and the EMD Executive Committee with input from the EMD Commodity Committee Chairs and many councilors and other EMD members.

In 2009, it was recognized by AAPG Executive Director Rick Fritz, the AAPG Education Committee, and AAPG

Education Coordinator and Developer Susan Nash, that there was a need for the AAPG EMD to more fully participate in developing new education opportunities for our AAPG membership. These member service opportunities included E-Symposia, Geoscience Technology Workshops, and additional conferences that could provide education content for the AAPG-EMD membership and to provide additional revenue for the AAPG.

The EMD Executive Committee responded to these concerns for the needed additional member services of science-based information by creating, through a structural enhancement of the EMD Technical Committees, a three-tiered structure under the committee chair of three vice-chair leadership positions, each representing the center of expertise and leadership of (1) industry, (2) university (academia), and (3) government. Vice-chair representation from the AAPG's sister Divisions (DEG & DPA) were also added to more fully integrate components from the complementary fields of environmental geosciences and geoscience professional development. These positions represent additional opportunities for AAPG members to become engaged for their own professional development but also for the greater benefit of the AAPG membership at large.

An important enhanced communication structure between the EMD and the AAPG Executive Committee, AAPG executive director, and the AAPG standing committees was also developed at the request of the AAPG Executive Committee (see figure below). This structure involves the newly created Unconventional Resource Committee (URC), which allows for a single, combined representation (vested in the

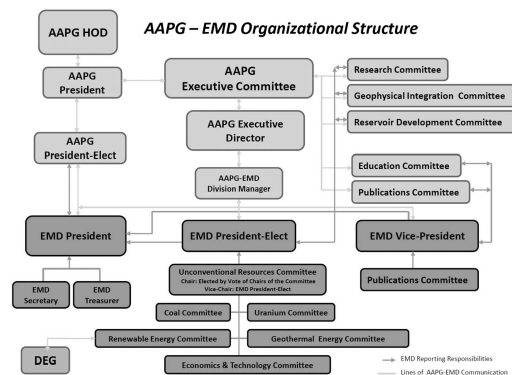
EMD vice-president, with guidance from the URC Chair and others), to a least three of the AAPG standing committees from the six EMD committees now housed within the URC. These consist of the Committees on Coalbed Methane, Gas Hydrates, Shale Gas, Tight Gas Sands, Oil Sands, and Oil Shales. The new structural realignment also includes new formal lines of communication between EMD and AAPG regarding matters relating to outreach and education, and to EMD publications, which is vested in the EMD vice-president.

With the agreed continued support of the EMD by the AAPG, three EMD overlapping committees with the AAPG were sunset. These EMD committees included the GIS Committee, the Outreach Committee, and the Education Committee.

### Achievements

With these structural, leadership, and communications enhancements we anticipate that the AAPG EMD will be in a position more than ever before to contribute to AAPG membership needs in advancing the geological sciences and technology involved for expanding the energy resources now available for exploration and development to meet society's increasing demand for energy in the 21st century and beyond.

EMD achievements this past year were numerous, including the strong EMD program at the New Orleans convention, the Calgary convention, AAPG Section meetings and EMD member participation such as in Hedberg conferences. Active AAPG support through EMD Vice-Chairs and EMD EC and associated Commodity Chairs for 2011 meetings include the Houston ACE and added planned



conferences. EMD Vice-Chairs for upcoming 2012 conferences are in development. Technical support of planned AAPG Europe efforts is also well into the developing stage.

EMD was also well represented at the various section meetings through the outstanding work of our EMD councilors in assembling technical sessions and related activities.

Several EMD sponsored or co-sponsored publications were completed and have been released and distributed, resulting in good sales. They include:

- (1) *Carbon Dioxide Sequestration in Geological Media – State of the Art*, AAPG Memoir
- (2) *Gas Hydrates: Energy Resource Potential and Associated Geologic Hazards – AAPG Studies in Geology 59*

Final work is being completed on several EMD sponsored or co-sponsored publications including:

- (1) *Atlas of Coal Geology 2nd Edition – AAPG Studies in Geology*,
- (2) *Coal Assessment of the Gulf Coast – AAPG Studies in Geology*
- (3) *Shale Petroleum Reservoirs – AAPG Special Publication*
- (4) *Energy Resources for Human Settlement in the Solar System and Earth's Future in Space – AAPG Special Publication*

New publications originating from the EMD include *Heavy Oil/Bitumen Petroleum Systems in Alberta and Beyond – AAPG memoir*

Discussions are ongoing on piloting a GIS-3D object oriented database synthesis of the Athabasca oil sands. A geothermal energy publication is also being planned and proposed by the Chair of Geothermal Energy Committee. A new publication also is being planned by the Chair of the Uranium (Nuclear Minerals) Committee.

EMD Committee Chairs also submitted summaries of their energy commodity reports for publication in the scientific quarterly journal *Natural Resources Research* on a biannual basis. EMD members have been cooperating as deputy editor with the publisher for a number of years.

Fully documented future plans for each of the Technical Commodity Committees regarding GTW's, publications, conferences, short courses, and website maintenance have been developed and communicated to the AAPG Executive Committee. Overlaps of areas and responsibilities continue to be evaluated.

The AAPG EMD has originated and developed a new "Web Portal" that provides a web-based environment that quickly connects members to significant

web-based content available on their technical fields of interest available within the EMD. This Web Portal is a member- interactive/support feature that provides for advanced connection to information on exploration and development of carbon-based energy, nuclear-based energy, and, for monitoring purposes, the renewable energy available in the environment to meet the needs of EMD as well as the AAPG membership and its Division, those members of the DEG and DPA. It also provides technical information on the environmental geosciences involved in each of the EMD Commodities as well as support from the DPA on matters related to ethics and professional training.

The joint EMD/DEG Renewable Energy Committee continues to provide heads-up information to EMD and DEG members regarding wind, solar, biofuels, hydropower, etc., through monitoring (1) the development of these resources, (2) their economic framework, and (3) the likelihood of the continued growth of the individual energy resources in contributing to the overall energy needs in the U.S. and overseas.

### Recommendations

AAPG EMD activity has increased substantially over the past five years due in a large part to the world's need for additional energy resources. The EMD has added councilors for each of the regions, enlarged our role at multiple AAPG meetings, expanded our website offerings, and continued to sponsor AAPG-approved external conferences. The EMD Executive Committee has responded by continuing monthly conference calls that includes the full Executive Committee, technical chairs, and councilors this past year to more effectively coordinate the business of the Division.

We continue to believe this will help us to be much more effective as we further expand our activities to include participation in Geoscience Technology Workshops, external events with affiliated and sister societies (such as SEG, AIPG, GSA, and SPE), and in regional activities tied to the global expansion of AAPG.

EMD currently maintains an AAPG bank balance that can be applied to short-term funding of technical services and publication support of direct interest to the AAPG and AAPG EMD membership. The AAPG EC basis for supporting a sufficient AAPG EMD bank balance is still in final development, although this is no longer necessary because EMD's income from publications and meetings is no longer

needed for sole support of the EMD. In its place, anticipated and budgeted EMD needs now emanate from the AAPG via an approved yearly EMD Budget, prepared by EMD and approved by AAPG.

At the end of the last fiscal year, EMD recorded approximately 1,366 members, which had represented about 5% of the AAPG membership. This number has remained fairly constant over the past five years despite the booming industry activity in unconventional gas and considerable effort by the EMD leadership to attract new members. The inability to increase membership was tied to several factors including the annual \$20 dues payment and the lack of recognition as to what EMD offers. With the opening of the membership in April 2010, EMD currently reports more than 2,300 members and is rapidly growing monthly with increased knowledge of the enhanced AAPG membership benefits and opportunities now available.

Changing the name of the EMD, to better reflect its emphasis on AAPG membership interest and to more fully develop information and scientific knowledge within the full spectrum of energy-resource fields, is an additional initiative for the EMD membership to consider. Although the change in the name of the Division may represent an important change from the past, the overall goal remains the same—to become an indispensable source of information to AAPG members concerning the various types of energy resources that are available other than conventional oil and gas. The EMD leadership is fully committed to working with its members, the other Divisions, and AAPG to achieve this goal in the foreseeable future.

**Frank E. Walles, EMD President**

## Division of Professional Affairs

The Division of Professional Affairs (DPA) is the community within AAPG that focuses on the professional practice of energy resource geoscience, and upholds the AAPG Code of Ethics. Its mainstay is the certification of petroleum geologists, geophysicists, and coal geologists.

The DPA community consists of geoscientists who are committed to standards of competence, to ethical behavior and to professionalism. Those commitments are furthered and verified through its certification program. Domestically, the DPA is the only organization that specifically certifies the educational background, work experience,

and ethical standards for those whose professional practice lies within the petroleum industry.

DPA members actively inform themselves and all AAPG members about the external issues that impact our profession, in particular government legislation and regulatory policy. They represent their profession in engaging with lawmakers and regulators regarding matters of professional practices and professional concern.

### **Membership and Internal Affairs**

The DPA is the largest of the three AAPG divisions with 3,067 members as of June 30, 2010. During the 2009–2010 time frame the division, in its efforts to secure new members, continued holding Town Hall meetings, which were initiated in 2008–2009. The most recent of these Town Hall meetings was held in Oklahoma City with the main event consisting of an excellent presentation by David Curtiss, director of the AAPG's GEO-DC office. Michael Root and Mark Gallagher were instrumental in organizing that event.

Also, the Division implemented a new membership level of "Board Certified" in the recent past. This higher level of certification requires continuing education. In conjunction with this addition, the Division has also implemented a web-based tracking system for use by its members to keep track of the number of Professional Development Hours (PDHs) or CEUs and other related relevant information needed for reporting same, though it has been offline for a time due to changes in the AAPG website. There are currently 26 Board Certified DPA members.

The Division also implemented and released at the end of last year the first of a series of online ethics courses. During the Annual Meeting in New Orleans, U.S. District Judge Lynn Hughes presented his ethics lecture, "Dilemmas of Trust" for video recording to add to the DPA online course list. It will be available early next year.

This represents a growing list of value-added services that are being made available to DPA members for little or no cost. The Division feels that this membership service, and other core services made available to DPA members, will not only benefit its members but also others, i.e., non-DPA, AAPG professionals. In that vein, several state boards of licensure/registration, as well as the division's "Board Certified" designation that was previously mentioned, have mandatory continuing education requirements that include a minimum of 1.0 Professional Development Hours in ethics, annually.

Online ethics courses are free for those who are DPA members and for all others there is are modest fees (much less than attending a real time business meeting and presentation when considering perhaps a luncheon, its cost, its availability, time spent traveling to the luncheon and associated costs, etc.).

Additionally the DPA continues its affiliation with National Association of State Boards of Geology, the group that has developed, maintains, and updates the examinations that determine whether a geologist is minimally qualified to publicly practice geology in 30 U.S. states and 1 U.S. territory (Puerto Rico), all of which have state/jurisdictional licensure/registration authority governing those geologists who publicly practice geology. Rick Ericksen is the DPA representative to that group, but was unable to attend this year's meeting due to a conflict with another DPA meeting.

Further, the DPA continues to interact with other professional and certifying organizations (SIPES and AIPG) on mutual projects. We are in the process of updating and developing, in conjunction with SIPES, new model contracts for use by geoscientists in the course of their professional practice.

The Division's Executive Committee also holds monthly telephone conference calls to promote continuity within the Division of its ongoing projects and in turn each member of the EC initiated telephone calls to committee chairs to ensure that progress was being made on the activities of each. It is anticipated that these conference calls will continue in the future. This year, conference calls to the DPA Councilors were also initiated between the two annual Council meetings. In addition, the practice of holding a Councilor's breakfast at the section meetings was initiated with the Mid-Continent Section meeting last fall.

Lastly, the Division also made available to the AAPG general membership a legislative tracking service that monitors state and federal legislation that may have the potential of impacting their professional practice of geology in the U.S. This legislative tracking service, tied with the GEO-DC office, has been an invaluable tool to keep abreast of legislation on all levels and provide timely reports to the geoscientist professional so s/he may contact their respective lawmaker to express support or non-support of legislation that may impact their livelihoods.

### **Government Affairs**

The Division, through its Government Affairs Committee has remained very

active in numerous related areas. The committee has maintained a very active role with participation in the continuing successful development of the Geoscience and Energy Office in Washington, DC (GEO-DC), in conjunction with the AAPG Governing Board of GEO-DC. DPA's financial support, sponsorship, and participation in this office continues to be a major commitment provided through the DPA Council. Carl Smith was the committee chairman for several years, but handed over the position to Deborah Sacrey at the beginning of the calendar year.

The revised AAPG Statements that guide all our efforts in government affairs are in place along with new Statements that are continually being conceived and developed. As noted in a previous annual report of this Division, there now exists a procedure in the development of new Statements as well as a procedure to regularly review and update these Statements. The committee released a new statement for publication, "Access to Onshore Federal Land" and has endeavored on a rewrite of the existing Statements, to be released early next year.

The DPA continues to successfully participate in the Congressional Visits Days (CVDs) the last one being held in mid-May of 2010, with about 10 AAPG members participating.

With the advancement of Deborah Sacrey to GAC Chairman, the decision was made to discontinue the Washington Advocacy Group sub-committee, which arranged the CVDs, as David Curtiss is able to handle the arrangements through the GEO-DC. Plans are underway to participate in a "GeoCVD" this fall.

The DPA has also been represented with a booth at the National Conference of State Legislators, held in Philadelphia in July 2009. The DPA decided that the cost did not warrant the exposure that AAPG received at this event, and future participation was cancelled. Plans are underway to develop a "Local CVD" short course, were members can receive training to represent the AAPG at the state and local level instead.

The DPA also became involved in offering supporting letters or other official commentary for issues that arose concerning the dissolution of the California PG Board, changes considered for the Texas PG Board regulations affecting Texas PGs, and the introduction of a Louisiana PG act to the state legislature. Rick Ericksen, as chairman of the State Registration and Licensing Committee, was instrumental in monitoring and responding to these issues.

## Ethics and Education

The DPA continues to promote short courses on ethics. In addition to its development of online ethics courses the Division has been active in promoting the current Distinguished Lecturer (DL) on ethics, District Judge Lynn Hughes. The judge is retiring as a Distinguished Lecturer this year, and we are in the process of nominating a new one. The procedure for selecting and funding these lecturers was defined; the AAPG Ethics Committee (composed of DPA members only) has been given the role of selecting ethics DLs. As mentioned earlier, Judge Hughes' talk was videotaped at the AAPG ACE in New Orleans for use as an online ethics course.

The Reserves Training Committee under Dan Tearpock has been very active. They are developing courses, online forums, etc. that can be offered online to enhance the abilities of geoscientists in reserves estimation and compliance issues related to regulatory authorities.

## Conventions and Publications

We sponsored a varied program at the ACE in New Orleans, offering two short courses, sponsoring the Discovery Thinking session, and holding a forum on the ethics of AAPG Statements at the DPA Luncheon and as an afternoon session.

At meetings, the President represented the Division at the annual National Conference of State Legislatures; the Eastern, GCAGS, Mid-Continent, Pacific, Southwest and Rocky Mountain AAPG

Section meetings; two Congressional Visit events; and the Oklahoma City town hall meeting. The section meetings typically have DPA short courses and a DPA or All-Division luncheon.

We have several publications initiatives. The DPA newsletter, *The Correlator*, has continued in-depth articles by Bob Shoup and "The Play of the Day", co-written by Bob and Dan Tearpock. However, Bob stepped down as editor, and the president served as ad hoc editor while a search ensued. The new editor, Chandler Wilhelm, was identified late in the year. All issues were published online and in print. *The Correlator* also serves as a vehicle to enlighten readers on issues and related information concerning debatable science "facts" and other similar matters.

## Incoming Officers and Councilors 2010–2011

President-Elect Marty Hewitt, Vice President Bill Goff, and Treasurer Dan Billman are the new incoming officers for 2010–2011. Continuing from 2009–2010 are President Dan Tearpock, Secretary Paul Pause and Past President Paul Britt.

Incoming councilors for Gulf Coast are Stewart Chuber, Bill Meaney, Tim Bennett, and Chandler Wilhelm; Eastern Section, David Morse has replaced Dan Billman who moved up to Treasurer; Mid-Continent is Joel Alberts; and Southwest Section is Gregg Norman. A Rocky Mountain

councilor is still being sought to replace Bill Goff who became vice president.

## Awards Presented

At the DPA Awards Dinner held in New Orleans, the awards were presented: Life Membership to Bob Shoup, Kuala Lumpur, Malaysia; Distinguished Service to Deborah Sacey, Houston, Texas and Mike Party, Midland, Texas; a Certificate of Merit to Clifford Clark, Centennial, Colorado; and Past President to Rick Ericksen.

## Acknowledgments

I would like to extend my thanks to those who served as committee chairs and as Councilors throughout this year and especially to those alternates who stepped up to fill unexpected vacancies. Also to Royce Carr and the other members of the Board of Certification, who perform one of the most critical functions of the DPA with little recognition.

Finally, I would like to extend my personal thanks to Norma Newby, Manager of Divisions; Mike Canich, Vice President; Paul Pause, Secretary; Mike Fogarty, Treasurer; Dan Tearpock, President-Elect; and especially Past President Rick Ericksen who went above and beyond the call of duty in handling issues of support for California, Texas and Louisiana licensing issues that came up during the year.

**Paul W. Britt, President**

# Reports of the Regions and Sections

## Africa Region

### Region Business Plan 2009–2010

Africa Region defined priority action items from the Business Plan for 2009–2010. These included the following – the first six were implemented to various degrees of success while the rest three could not be pursued:

- Conclude establishing country representation to coordinate AAPG activities in the countries of Africa and to join Region leadership
- Firm up strategies for implementation of membership (especially Active) recruitment drive efforts
- AAPG Student Chapters: strengthen existing Chapters and establish new ones, initially with focus on countries

with existing AAPG-affiliated societies/organizations

- Develop Business Education Partnerships - with Industry (International/National Oil Companies, other oil & gas operating and service companies) and academia (geosciences tertiary institutions)
- Contribute to the finalizing and execution of MOU for the AAPG Regions
- Formulate/design projects for improving communication infrastructure - especially with all associated African geosciences societies/organizations.
- Establish AAPG Africa Region Council – as Ex-Region presidents plus Existing Region Executives.

- Contribute effectively to the finalizing and execution of the proposed AAPG GCS (Global Corporate Structure) transformation process.
- Establish more AAPG-affiliated societies/organizations especially in "frontier" countries and raise numbers to target 10 by mid-2010.

### Region delegate and officer nominations and elections

- Africa Region nominations committee was formed out of the past- and sitting presidents during 1Q-2010 to usher in nominations and elections for Region leadership's new officers for the period 2010–2012.
- Offices of president-elect, vice president, and secretary/treasurer will be contested.

- Officer nominations are yet to be finalized following some unexpected delays. Voting/elections and declaration of results will, therefore, progress into 3Q-2010.
- Current president-elect, Nosa Omorodion, will take over as Region president of yet-to-be-declared Region Executive Committee for 2010–2012 as from 1 July, 2010
- Through coordinated efforts amongst AAPG HQ, Region Leadership and the AAPG Sections and International Regions Manager, Carol McGowen, HoD delegate elections began in January and were completed in February 2010
- Mr. Ramadan M. Aburawi, representing AAPG Africa Region and the Earth Science Society of Libya, won the elections to become the Region's 5th fifth delegate. His three-year term runs till June 2013.

### **IBA 2010**

- For excellent performance by our 2009 IBA Committee, Region leadership retained same team to continue work for IBA 2010.
- The committee was composed by Region secretary/treasurer, Mrs. Adedoja as Regional IBA coordinator; president-elect, Mr. Omorodion; former president/ delegate, Mr. Akinpelu; and Region Student Chapters representative, Mr. Esan.
- New rules for IBA 2010 competitions, meant to serve as improvement over the 2009 edition, were studied and implemented.
- The 2010 edition of the IBA regional competition was held on March 19, 2010 in Lagos, Nigeria.
- Nine school teams competed for the regional trophy: seven from Nigeria and one each from Egypt and Ghana. Attempts to achieve a more regional representation were not successful.
- The victorious team in IBA 2009, and still defending champions for AAPG Africa Region in 2010, were Obafemi Awolowo University (OAU) of Ile-Ife in Nigeria. OAU thus earned the right to represent Africa at the 2010 IBA global contest in New Orleans.
- Placing second and third were the Federal University of Technology, Akure in Nigeria and Cairo University in Egypt, respectively.
- Major challenges in IBA 2010 included:
  - Failure to achieve high regionally diversified school participation.
  - Access to (downloading of) datasets.
  - Timely acquisition of relevant interpretation software.

- Travel plans and acquisition of especially U.S. visas by winning champions.
- Collaboration was sustained with the Nigerian Association of Petroleum Explorationists (NAPE) to facilitate the Regional program.
- AAPG Region Leadership remains sincerely grateful for NAPE support as well as for support enjoyed from corporate and individual sponsors and partners, panel of industry experts, IT consultants, industry mentors and indeed, all participating school teams, who made various sacrifices, commitments and contributions towards the success of the event.

### **Outreach to Students, Universities and Young Professionals**

- To date, Africa Region has 23 Student Chapters located in Nigeria, Egypt, Cameroon, South Africa, and DR Congo.
- Our goal to gradually raise active Student Chapter numbers to appreciable levels has not witnessed the expected tempo.
- Discussions and efforts continued in respect of our Student Chapter Outreach to sustain existing chapters and encourage new ones to be established.
- Region leadership has agreed to create an incentive package for all participant school teams in the 2010 IBA Regional contest.
- Region Leadership has also agreed to create a token start-up grant for all new AAPG Student Chapters to be formed in the Region from 2010 – subject to availability of funds.
- Plans to collaborate with the AAPG Education director and Young Professionals Committee were also considered, including the possibility to develop fit-for-purpose educational material (e.g. short courses) for the near-term.
- The AAPG Foundation/Grants-in-Aid program was also given attention by leadership with a view to developing strategies to bring its benefits more fully to our Region. Region Student Chapter Committee Rep, Mr. Femi Esan, coordinated Region efforts.

### **AAPG Active Membership Drive Efforts**

- Of great importance to Region leadership has been the transformation of vast numbers of the

Associate and Student members to Active status.

- One strategy has been to break existing language barriers in different countries/cultures across Africa by translating the AAPG objectives and Code of Ethics and Student membership forms from the original English into French and Arabic languages. Results of this effort have featured in the Students tab of the AAPG Africa Region website.
- The ability for some members with very low salary levels to make consistent payment of AAPG dues was identified as a real challenge. Such members usually do not enjoy any dues-support from their employer organizations. Region leadership has agreed to consider possible measures of intervention, especially in line with AAPG's Graduated Dues policy.
- Other strategies to be implemented include:
  - Leadership to intervene to grant blanket upgrade to Active status for all Associates in good standing for at least two years.
  - Region involvement and representation in the work of the AAPG Membership Committee.

### **Country Representative Concept**

- This is to enhance Region infra-structure and is aimed at establishing country-representation for every country with at least one AAPG member.
- Country Reps will:
  - Help coordinate AAPG activities in their respective countries and
  - Join Region Leadership to develop viable business and education partnerships between AAPG, Industry (International/national oil companies, other oil and gas operating and service companies) and academia (geoscience tertiary institutions).
- Appointments/Invitations for 6 nominee-country reps (out of 21) came close to completion for Angola, DR Congo, Gabon, Ghana, Tanzania and Uganda.
- Service terms and appointments were drafted and discussed extensively by Region leadership.
- Formal invitations/appointments were put on hold to allow for possible modifications for wider, more global implementation.

### **Affiliated Societies Representation in Region TCs**

- In line with decisions arrived at during the Tulsa 2009 Leadership

Days, Region leadership has organized initial joint leadership teleconferences in 1Q-2010

- The joint meetings, designed to be held on quarterly basis, would discuss and implement programs aimed at strengthening ties through improved communication and collaboration
- Each joint meeting will solicit representation from all AAPG-Affiliated Societies of our Region
- Africa Region's Affiliated Societies currently number five:  
(1) ESSL - Earth Science Society of Libya, (2) EPEX – Egyptian Petroleum Exploration Society, (3) GSSA – Geological Society of South Africa, (4) MAPG – Moroccan Association of Petroleum Geologists, and (5) NAPE – Nigeria Association of Petroleum Explorationists

#### **Africa Region website and website updates**

- Region website contents witnessed some updates, with others yet underway.
- Ideas for future improvements in features and function of the website remained to be finalized and implemented in 2010.
- Search and appointment of a functional website manager/editor continued through the period.

#### **29th AAPG Annual Leadership Days in Tulsa, August 2009**

- Africa Region was represented by four leadership team members: president, president-elect, past-president (and HoD member), and president of the Nigerian Association of Petroleum Explorationists (NAPE).
- The Tulsa Leadership Days were exciting and afforded participants an opportunity to learn and grow AAPG with leadership, communication and networking skills.

#### **27th NAPE 2009 Annual Conference and Exhibition in Abuja, Nigeria**

- This Affiliate-Society event took place from 29 Nov to 3 Dec 2009 in Abuja, Nigeria
- The conference was very successful, thanks to the high organizational skills of NAPE and of the geoscience community in Nigeria
- It was held under the theme, Shelf to Deepwater Exploration: Shifting Paradigm
- This conference served as forum for the first official announcement of DOWAC Abuja 2010 (through a

mini-video presentation) and also served as its precursor

- It also hosted the DOWAC 2010 Inaugural Meeting in Abuja on 2 Dec 2009.

#### **AAPG 2009 ICE in Rio**

- Our Region was officially represented by its Vice-President, Haddou Jabour, in key deliberations of the 15-18 Nov 09 AAPG International Conference & Exhibition in Rio de Janeiro, Brazil
- Some of the critical issues highlighted by our Region in Rio included  
(1) need to augment AAPG Active Member numbers, (2) work with Student Chapters, and  
(3) implementation of the Country Reps concept.

#### **AAPG 2010 ACE in New Orleans**

- Africa Region was represented in the 2010 AAPG Annual Convention & Exhibition in New Orleans. A Region meeting was held on Monday April 12, 2010.
- Key issues discussed included Key Region Events; Region Membership Analysis; Communication, Professional and Student Focus issues.

#### **DOWAC - Abuja Nov 2010**

##### **Deepwater West Africa Conference**

- This is a key Regional event to be borne out of collaboration between AAPG and NAPE and is planned for November 14–19, 2010 Region in Abuja, Nigeria.
- The Conference theme is West Africa Deepwater: Successes, Challenges and Future Prospects. Nine sub-themes fall under this main theme.
- Conference organization and planning efforts have been underway amongst AAPG HQ, Africa Region leadership and NAPE leadership in Nigeria.
- Preparations and organizational planning activity for this Conference - publicity and marketing materials, logos, letterheads, flyers; general and technical programs; etc. – continued during the period.
- Key Conference (Co-) Chairs have been identified to lead the way to solicit for active participation.
- The call for papers has been announced and deadline for submission of abstracts was extended to June 30, 2010 from the original March 31, 2010.
- Conference and exhibition promotion and marketing are currently vigorously in progress.
- Conference website can be visited at <[www.aapg.org/africa/dowac2010](http://www.aapg.org/africa/dowac2010)>

#### **Joint Africa-Europe 2012 Regional "Mediterranean" Conference**

- AAPG Africa and European International Regions have embarked on plans to organize a joint Mediterranean Conference, possibly in October of 2012.
- Potential Conference venues have been identified as possibly Tunis or Malta.
- A ten-man organizing committee will be formed from the two Regions.

**James K. Agenorto, President**

## **Asia-Pacific Region**

There were a number of achievements and overall growth of AAPG's presence in Asia-Pacific during 2009–2010. With our new Asia Pacific office operational, it looks optimistic that the region is looking at a decent measure of start-up success as far as educational programs and other activities are concerned.

#### **Activities and Accomplishments**

##### **Regional Office in Singapore**

Adrienne Pereira joined us in September 2009 as programs manager. With her on board, new activities are in the pipeline, including a Geosciences Technology Workshop in October 2010, plus two short courses running alongside. Existing regional activities are also being worked on.

##### **ICE 2012**

The EXCO voted to hold ICE 2012 in Singapore. SEAPEX, our affiliated society, has agreed to be the host and negotiations are ongoing. A technical committee is being formed, with SEAPEX providing the chair, co-chair and some committee members.

##### **Inaugural Geosciences Technology Workshops**

Singapore will host the first AAPG GTW in October 2010. Titled "Pore Pressure and Related Issues – Special Focus: Asia Pacific," it will be a two-day event.

Other workshops are in the pipeline. Short Courses

Two short courses will run alongside the above-mentioned GTW.

A Speakers' Bureau is being put together, to allow us to plan other short courses. These will be offered to NOCs, and the general membership.



## Distinguished Lecturers

Two Distinguished Lecturers for the region have been nominated and we are working on a tour program for 2011. Formation of a formal committee has been requested by HQ to work on this and to decide on 2012 nominees, and we are looking into this.

## Imperial Barrel Award

Teams from 15 universities entered the regional Imperial Barrel Award competition. However, due to dataset issues, this number dropped to three just weeks before the regional judging date. The problems with the datasets have been brought up to the IBA committee in New Orleans and Steve Veal has promised some action to address these issues. Regional entries were judged on presentations that were uploaded to an FTP site, and in addition, teams made a presentation over the WEBEX platform. The eventual winning team came from the China University of Petroleum. Another issue brought up to the committee is the time constraints between receiving the datasets and the regional judging. This causes problems with visa issue in this region, where the U.S. embassies require an interview and this can take up to three weeks. Fortunately, the China University of Petroleum team members received their visas the day before they flew to New Orleans for the international competition.

## Student Chapters

Two new chapters – from India and Malaysia – were added to our list, making it 38. About 10 are inactive, and re-activation is in progress.

## Publication Pipeline

Working with the Publications Pipeline committee, we are now trying to get these donated books to Chinese Universities. Indonesian Universities are awaiting one shipment, while the University of Malaya has just received theirs. We are seeking sponsorship for this. We will continue trying to help regional universities.

## Affiliated Societies

### Other Activities and Accomplishments

1. Volunteers are still being sought in the region to support the Singapore office and the various activities that we envisage such as an Education Committee, Sponsorship Committee, DL/VG Committee, and Membership Committee. The Student Chapter Committee is currently helmed by

Geovani and Vinay. The DL/VG portfolio is now run only by Guruh Ferdianto.

2. The region's by-laws were reviewed and revised so that they are more in line with those of the other regions.
3. Regional membership – we are endeavoring to increase membership, which stands now at 3,500.
4. Visiting Geologists visits are being planned to various universities.
5. Executive Director Rick Fritz visited the region in January 2010 and met with the Region Leadership to discuss Region strategies and included visits to a Japanese and Malaysian University. We hope to welcome more AAPG Executives to the region.
6. AAPG took a small booth at the PGCE2010 (Petroleum Geology Conference & Exhibition) in Kuala Lumpur, March 2010. This event is run by Petronas and the Geological Society of Malaysia, who is our affiliated society.
7. Our Asia-Pacific website is being upgraded and updated on a continuous basis.
8. We are working on elections for the 13th and final HoD spot.

*Joseph Lambiase, President*

## Canada Region

Canadian Region House of Delegates Members (2010–2011 term): Region meetings take place once monthly (except July/August) in Calgary, Alberta.

1. Membership
  - Total membership as of June 7, 2010 for the Region stands at 1,644 vs. 1,626 a year earlier.
2. Imperial Barrel Award Program
  - Third annual Canada Region IBA competition held March 19, 2010 in Calgary.
  - Invited 33 Canadian universities to participate with a budget to accept five or six schools.
  - Four universities competed (Calgary, Alberta, Western Ontario and Memorial Universities).
  - Calgary placed second (Selley Cup) in Global Competition at New Orleans at the April 2010 Annual Convention.
  - Canada placed 4th, 3rd and 2nd, respectively, in the last three years of Global Competition.
  - Very positive IBA feedback. Excellent "seed event" to initiate Student Chapter growth, awareness of AAPG regional presence and

services, build Canada-wide volunteer base, attract new members and encourage interest in Petroleum Geology.

- Thank you to our Region sponsors for this event: Husky, Nexen, Talisman, Shell, Imperial Oil, CSEG, CSPG and AAPG.
  - In 2011 will target five or six universities again, pending budget/sponsorship.
3. Student Chapters
    - Currently five Student Chapters (University of Alberta, University of Calgary, University of Manitoba, University of Regina and University of Western Ontario).
    - After 2010 IBA, the competing teams that did not have a chapter are being encouraged to start a chapter.
  4. New Affiliated Society
    - The Atlantic Geoscience Society was welcomed as a new AAPG Affiliated Society at the Annual House of Delegates meeting in March 2010 in New Orleans.
  5. 2010 Honors and Awards Nominations
    - Canada Region Honors and Awards:
      - Honorary Member Award: John R. Hogg
      - Grover E. Murray Memorial Distinguished Educator Award: Murray K. Gingras
      - George C. Matson Award: Barbara Tilley, Bob Quartero
      - Public Service Award: Tako Koning (Africa Region)
      - Honorary Member of the House: Marty Hewitt
  6. International Conference & Exhibition (ICE) 2010
    - The Canadian Region is slated to host the 2010 ICE, Sept. 12–15, 2010 in Calgary.
    - Our ICE Committee is working through planning of this event.
    - We are working with our Affiliated Society, the Canadian Society of Petroleum Geologists (CSPG), in revenue sharing opportunities (field trips, short courses and core conference).
  7. Possible opening of a Calgary AAPG office
    - Regional Office in 2011 a possibility (shared office space with the CSPG/CSEG?).
  8. Committee members for AAPG committees
    - Based on a call for volunteers for international representation on various committees the Canada Region has the following individuals volunteering on these committees:

- Stephen Bend—Rules and Procedures Committee
  - Bob Mummery – Honors and Awards Committee
  - Marty Hewitt—HoD Constitution and Bylaws and Nomination and Election Committees
  - John Hogg—HoD Constitution and Bylaws Committee
  - Douglas Minken—Student Chapters Committee
  - Dean Potter—Publications Committee
  - David Dolph—Student Chapters and Regions Committees
  - We are working on identifying candidates from our Region to hold Membership Ambassador, Public Outreach Committee and Distinguished Lecturer Committee positions
9. 2010 New Members for “Active” Status
- To date in 2010, 12 Canadian AAPG members have been vetted and upgraded to “Active” from “Associate” status.
  - There is an initiative to have “Associate” Canadian members upgrade to “Active” status.
10. Datapages
- The Canada Region has an ongoing mandate to try and provide funding for Datapages to a Canadian college or university with an accredited geology program for its reference set.
  - This year we were able to provide Mount Royal College in Calgary with the dataset.

### **David Dolph, President**

Committee members: David Dolph, President; John Hogg, VP/Treasurer and Advisory Council Rep; Paul English, Secretary; Stephen Bend; Ross Clark; William Haskett; Marty Hewitt; Doug Minken; David Scott; David Brown (new); Grant Wach (new); George Strother-Stewart (new); Ken Hansen (new); Seyi Fatoke - alternate (new).

## **Eastern Section**

### **Annual Meeting**

The 38th annual meeting of the Eastern Section was held September 20–22, 2009, in Evansville, Indiana. David Morse was the General Chair and Brian Keith was the Technical Program Chair. The theme of the meeting was “Forging the Future from the Past.” Attendance was 455 people, including 304 professionals, 85 exhibitors, 47 students, and 19

guests. The location offered excellent and affordable facilities, access to outstanding and scenic field excursions, and was located in the Illinois Basin oil patch, which made it easy for local service companies and geologists to attend. There were 48 oral and 27 poster presentations during the two-day meeting in two concurrent sessions. Twenty-nine sponsors contributed \$20,100 and \$1,800 was raised by paid advertisements in the program and on the gift bags. There were 47 exhibitors, which accounted for \$25,450. The meeting had total revenue of \$94,539.24 and expenses for \$56,039.39, which resulted in a net profit of \$38,449.85. This was split 50% to the ES and 25% each to the Illinois Geological Survey and Indiana-Kentucky Geological Society, the co-hosts. Workshops and field trips revenue totaled \$16,715 and expenses were \$11,450.55, resulting in a profit of \$5,264.45. The co-host societies each received \$2,632.22.

### **Honors and Awards**

Chairman: Tom Partin  
Committee Members: Mike Canich and David Harris

Below are the 2009 Awardees in Evansville, Indiana

- John T. Galey Award: Brian Keith
- Honorary Membership: Lee Avary
- Distinguished Service Award: Dan Billman
- Gordon H. Wood, Jr. Memorial Award: Agnieszka Drobnik
- Outstanding Educator Awards: David A. Barnes, Richard Smosna
- A.I. Levorsen Memorial Best Paper Award: Langhorne B. “Tauny” Smith
- Vincent E. Nelson Memorial Best Poster Award: Jeffrey C. Reid
- Ralph L. Miller Memorial Best Energy Minerals Division Paper: John “Jack” Ward
- Division of Environmental Geosciences Best Paper Award: David G. Morse
- Division of Environmental Geosciences Best Poster Award: Cristian R. Medina
- Best Student Poster Award: Jennifer Shultz
- Certificates of Merit: 22 were awarded to meeting chairs and others

### **Officers**

Officers of the Eastern Section were elected at the 2009 annual meeting for fiscal year 2009–2010. They are Ed Rothman, President; Greg Wrightstone, Vice-President; David Harmon, Secretary; and

Dr. Tim Carr, Treasurer. Dr. Robert Jacobi is the Past President.

Dave Harris is the current representative for the Eastern Section on the Advisory Committee. His term expires June 31, 2010. An election is currently being held; the candidates are Peter MacKenzie and Dave Harris.

Other officers include Dan Billman, DPA Advisory Council Representative; Charles Boyer, EMD Councilor; Doug Wyatt, DEG Councilor; Tom Partin, Awards Chairman; John Forman, Membership Chair, and Brian Keith, Archivist.

### **Imperial Barrel Award (IBA)**

The ES sponsored its 3rd annual IBA competition on Saturday, March 27, 2010 in Pittsburgh, Pennsylvania.

Katharine Lee Avary is the Committee Chair and Dan Billman and Josh Hickman are committee members. Teams from Indiana University, Bloomington, Indiana, and West Virginia University, Morgantown, West Virginia, made presentations. The winner was West Virginia University, which represented ES in New Orleans.

### **Archives**

Currently, all files in the ES Archives are being scanned. The Section hired a part-time worker under the direction of Archivist Brian Keith at Indiana University to do the work.

### **Eastern Section Website**

The Eastern Section website can be found at <http://karl.nrcce.wvu.edu/esaapg/>. Our Webmaster, John Bocan, is re-designing the site and we plan to have the new site up by September 2010.

### **Membership**

The number of Eastern Section members as of April 1, 2010 was 2,639 members. Of that total, 1,197 are full members and 1,016 have active voting rights. There are 169 Emeritus members, 10 Honorary members and 2 Life members. There are 1,442 non-voting members, of that 411 are students and 1,031 are associate members.

### **Finances**

The Eastern Section continues to be on solid financial ground. Total assets of the Section as of April 5, 2010 were \$125,640.65. There is \$2,625.94 in the ESOP checking account.

### **Ed Rothman, President**

## European Region

### Key Issues

- Promotion of Active membership
- Managing transition from Student to Professional membership
- Expanding membership in Eastern Europe
- Broadcasting products and services
- Education, particularly in Eastern Europe
- Provision of services/support to Student Chapters
- Identifying European lecturers and visiting geoscientists

### 2009-2010 Events

#### London Office

Jeremy Richardson replaced Steve Veal as director in October 2009 and Antonia Mitchell joined the office as Events Marketing Manager in June 2010.

#### Aberdeen Oil Finders Lunch

Ten meetings took place with 30-40 attendees at each meeting. The meetings comprised a presentation and a lunch sponsored by various companies.

#### Distinguished Lecture Tours

During October 2009 John Kaldi completed an extensive lecture tour covering nearly 20 locations in 8 European countries. In late May to early June 2010 Guy Plint toured 9 European cities.

#### European Regional Conference

The Annual Regional Conference and AGM took place at IFP, Reuil Malmaison on November 23–24 and focused on the revitalization of exploration in Europe. Delegates attending numbered 270, including 70 students and the feedback received was very positive. Five short courses were held in association with this event.

#### APPEX

This upstream asset fair and conference held in London at the beginning of March was a great success with over 550 registrations and 63 exhibition stands. Many exhibitors and delegates considered that it was the best ever. A short course on Petroleum Geology for Non-Geologists was held the day following the conference.

#### Imperial Barrel Award

Thirteen teams took part in the European Region competition in Prague on March 26–27. The team from IFP Paris won the European competition and went on to win the global competition at the Annual Convention in New Orleans in April.

#### Student Chapter Leadership Meeting

In association with the European IBA competition there was a Student Leadership Conference at which 28 representatives of our active student

chapters assembled for a meeting, which was coordinated by Nick Lagrilliere. They shared experiences of holding various events and discussed measures to maintain the active status of student chapters.

#### International Geosciences Student Conference

This conference was held in Bucharest at the end of April. The event was jointly sponsored by the AAPG, EAGE and SEG, with an estimated attendance of 388 participants and 10 companies. We will develop this into annually recurring event, similar to the Student Expos the AAPG organizes in the U.S.

#### Young Professional Lecture Series

After the successful completion of the Young Professional Lecture Series at the University of Aberdeen, we are now planning on expanding the program to southeast England. Visits are being planned to Royal Holloway, Aberdeen, Imperial College, Leicester, and Manchester with further universities being added to the list in the coming months.

#### Assessment of Unconventional Gas Resources GTW

A Geosciences Technical Workshop was held jointly with the Middle East Region on May 24–26 at the Ceylan Intercontinental Hotel in Istanbul. Approximately 80 delegates attended the event comprising oral/poster presentations and breakout sessions. This was very successful and a further GTW on the theme of unconventional resources is planned for 2011.

#### Geologic mapping and Cross Section Techniques – Short Course

This course run by Jewel Wellborn at Imperial College, London attracted 21 delegates. The course was very well received although the number attending was disappointing. If we run this again in 2011 it will have to be promoted more effectively.

#### Aberdeen Education Week

This event, which took place at the end of June, was postponed from the end of April when it was caught up in the flight disruptions due to the volcanic ash cloud. Four courses ran for five days in two parallel sessions. All the speakers were brought in from the U.S. and we had approximately 50 delegates.

### Future Events

#### 2010 Regional Black Sea and Caspian Sea Conference

Over 250 abstracts have so far been received for this conference on exploration in the Black Sea and Caspian Sea basins. It is being held in Kiev in October 2010 in association with the Ukrainian Association of Geologists. Several field trips

and a student program have been arranged.

#### 2011 GTW - A Comparison of Resource Assessment Procedures

This GTW is being considered in the first quarter of the year.

#### 2011 ICE, Milan

The 2011 International Conference and Exhibition will take place in Milan on October 23–26 and therefore the European Region will not hold a conference in 2011.

#### Joint AAPG-GSL Conference Series on CO<sub>2</sub> Sequestration

The AAPG and the Geological Society of London have agreed to conduct a thematic series of two-day conferences on CO<sub>2</sub> sequestration. The first conference will take place in the Geological Society apartments in London in November 2011, after which conferences will rotate between the U.S. and the UK.

#### 2012 Joint Europe/Africa Regional Conference

The Europe and Africa Regions have agreed to hold a conference on the Mediterranean basins in 2012. Tunis is currently being investigated as a potential venue.

### Membership

Total membership in the Region is 3,142, 2% lower than in 2009. A total of 637 members (not included in the total number) did not pay their 2009–2010 dues. There are currently 25 active Student Chapters in the Region, twice as many as in 2009 and this number is expected to grow over the next year.

#### David R. Cook, President

## Gulf Coast Section

The Gulf Coast Section of AAPG (Gulf Coast Association of Geological Societies) strives not only to enhance its long-time successful programs in continuing education and student and faculty aid, but also to do its part in helping achieve various other AAPG goals; to improve its communications with the AAPG leadership, staff, Divisions, House of Delegates, and committees; and to increase support of its Affiliated Societies.

### Annual Convention

The high-quality technical programs and published transactions of each of its annual conventions have been the flagship activities of the Section. The

2009 Annual Convention, themed "A Fusion of Geology & Technology," was hosted by the Shreveport Geological Society in September. The meeting was focused on the timely topic of shale plays and continued the Section's tradition of providing a valuable learning and networking venue. Ninety-five papers were published in the 970-page *Transactions* volume 59. With almost 1,000 total participants, the meeting exceeded attendance expectations.

The Section's primary activity at report time is preparation for the 2010 Annual Convention, which will be hosted by the South Texas Geological Society in San Antonio on October 10–12. Again, a strong technical program, with 108 oral and poster presentations, has been developed by the Convention's steering committee and will include a special symposium on the forming and filling of the Gulf of Mexico Basin, with an emphasis on Jurassic and Cretaceous tectonics, source rocks, and petroleum systems.

In a continuing effort to streamline the planning and execution of its annual conventions, the Section made significant revisions to its "Annual Meeting Operations Manual" this year. Also, the Section has multi-year contracts with consultants and service providers who are crucial in the areas of convention management, website management, meeting publications, and registration and abstract processing. To provide greater continuity and standardization, the Section's Board has given the Continuity Committee increasing responsibility in overseeing the long-term scheduling and planning of the conventions. As another aspect of long-term planning, the Board approved securing the annual convention domain name through the year 2020.

To address an issue concerning the convention publication, it is the Section's goal to bring the *Transactions* to a truly "peer-reviewed" status so that its papers may be recognized as such by the profession. For the 2010 *Transactions*, the Editor required that every paper be reviewed by at least two peers, in addition to the technical editing and review performed by the editorial committee itself (also peers). The Section's Continuity Committee recruited a cadre of associate editors and reviewers who will serve year after year to help lighten the load of each *Transactions* Editor and to provide consistency to the editorial and review process.

### **Student and Faculty Support**

Through its ongoing Student and Faculty Grant Programs, the Section this

year awarded a total of \$25,750 to 16 students for their Gulf Coast research projects, as well as one \$10,000 grant and one \$5,000 grant for faculty research. Also, to provide an incentive for the Affiliated Societies to raise funds for their registered scholarship foundations, the Section began a new Scholarship Fund-Matching Program on January 1, 2010, and it will continue through June 30, 2011. The Section will match newly raised funds one-to-one, up to a total of \$10,000 per each Society.

The Section's Imperial Barrel Award competition serves as a semi-final event for AAPG's global IBA program, and six teams competed in this year's event in March. However, through greater support and publicity, the Section hopes to bring more university teams into future competitions. The Section increased its level of contribution to the IBA program general funding from \$2,500 to \$5,000 this year, and the Section's IBA Committee raised \$24,944 in industry sponsorship. The Committee also conducted an IBA training session for the students prior to this year's competition, and a similar training session will be held in conjunction with the Section's 2010 Annual Convention. Schools that have not previously competed are being particularly encouraged to send students to participate in the training.

One other aspect of student support in which the Section looks to play an increasing role is interaction with the AAPG Student Chapters in the Gulf Coast area. A good way of achieving this will be through a direct link of the Section's new Young Professionals Committee with the Student Chapters.

### **Young Professionals Committee**

As a direct response to AAPG's efforts to expand its Young Professionals program, the Section this year established a Young Professionals Committee as a new standing committee. This Committee will oversee Section-level YP activities, such as the Meet 'n' Greet planned for the 2010 Convention, as well as help organize local chapters within the Gulf Coast area.

### **Honors and Awards Program**

The Section continues to honor its deserving members for their outstanding service and achievements through several categories of awards. The 2010 awardees, in addition to the winners of best presentation, best poster, and best paper awards from the 2009 Annual Convention, will be recognized in a

special ceremony at the 2010 Convention. Of special note on awards, the Section's 2009 Teacher of the Year, Stef Paramoure, was proudly endorsed by the Section as an applicant for the 2010 AAPG Foundation's "Award for Excellence in the Teaching of Natural Resources in the Earth Sciences," for which she was ultimately selected as winner. The Section's Affiliated Societies have been encouraged to seek out and nominate other outstanding teachers, and the Section increased the monetary part of its Teacher of the Year Award to \$2,000 this year to help build the incentive for teachers to participate in this award program.

### **Financial Status**

Due primarily to its successful annual conventions, and secondarily to publication sales and investment income, the Gulf Coast Section remains in good financial health and is able to continue supporting its existing programs and to build new ones.

### **Bonnie Weise, President**

## **Pacific Section**

The focus for the Pacific Section of the AAPG during the past year has been to increase rapport with the affiliated societies, to increase our outreach to the public at large, and to work on the standing of the geological sciences in education.

The president and other officers attended meetings of the five sister affiliates in California. PSAAPG member and AAPG Secretary Kay Pitts visited the Northwest Petroleum Association. The societies we visited were very receptive to our presence, encouragement and advice.

The outreach by the PSAAPG this year has been outstanding. The section has benefited tremendously from the efforts of Jon Allen of Chevron as our coordinator of the Young Professionals Group. Jon has sent out letters to all members in the hopes of attaining help for his young members, in terms of volunteers and mentors for the group.

Kathleen Marsaglia has set up a new student chapter of the AAPG at California State University, Northridge. In addition, Marsaglia has set up the West Coast Student Expo. These expos are held once a year in the fall on the campus of California State University, Northridge,

and include interviews by students with oil and gas industry companies, as well as field trips run by members of the industry. It is a great way for geoscience majors from multiple universities to become aware of the job opportunities in the oil and gas industry.

The Imperial Barrel Award program continued this year, headed up by Morgan Sullivan, Jon Kuespert and Cynthia Huggins. This year Cal State Northridge entered a team in Pacific Section's IBA competition. Ultimately, San Diego State University was Pacific Section's IBA entry for the international competition.

The Pacific Section held its 2010 annual convention in Anaheim, California at the end of May. The co-hosting societies were the Pacific Section AAPG, Cordilleran Section GSA, Western Region SPE, Pacific Section SEPM, and SEG. Our co-chair for the event was Curtis Henderson. The Honors and Awards luncheon emcee was Robert Lindblom. Lindblom gave out the PSAAPG's highest award – Honorary Life Membership – to Rhinehard Suchsland and Robert S. Gray. The President's Award was given to Alvin A. Almgren. Richard J. Behl of California State University, Long Beach received the Distinguished Educator Award. Mr. Michael J. Warren of Central Middle School, Anchorage, Alaska, received the Teacher of the Year Award. Michael J. Wracher, Ernie Burroughs and Jonathan J. Kuespert received the Distinguished Service Award. The H. Victor Church Award for the best poster session was given to Holly Ryan, Jacob Covault, Homa Lee, Charles Paull, and David Caress for their poster entitled "Tectonic Influence of the Generation of Cyclic Steps by Turbidity Currents Offshore San Mateo Point, Southern California Borderland." The A.I. Levorsen Award went to Timothy McHargue, Julian Clark, Morgan Sullivan, Michael Pycrc, Andrea Fildani, Marjorie Levy, Henry Posamentier, Brian Romans, and Jacob Colault for their oral paper entitled "Alloccyclicity of Sediment Volumes and Composition Provide the Basis for Predictive Model of Turbidite Channel Architectures." The keynote speaker for our convention was AAPG President John Lorenz who gave an excellent speech on fractures.

The Pacific Section's newsletter, edited by Karen Blake, focused on the political issues that impact the exploration and production of oil and gas in California. The section has plans for a new book on Contributions of the Geology of the Sacramento Basin, to be edited by Larry Knauer and Scott Hector.

The PSAAPG Foundation, under the leadership of Mark Wilson, president, has supported geoscience data preservation and education outreach.

Kurt Neher was elected to the Advisory Council (2009-2011). The PSAAPG Executive Committee consisted of: Scott Hector – President, Tony Reid – Vice President, Don Clarke – Past President, Cynthia Huggins – President Elect, Jeff Gartland – Secretary, Donna Thompson and Cheryl Blume – Treasurers, Karen Blake – Editor-in-Chief, and John Minch and Kurt Neher – Advisory Council.

**Scott T. Hector, President**

## Southwest Section

The 2010 fiscal year for the Southwest Section of the AAPG came to an end with of flurry of activity surrounding the SWS annual convention hosted by the Dallas Geological Society and held in Frisco, Texas, May 16–18, 2010. The convention was a huge success with approximately 450 registrants attending at the Embassy Suites Frisco Convention Hotel facilities. Our deepest appreciation goes to Barbary Kearney, general convention chair; Patty Abney, technical program chair; and all of the other volunteers and supporters for making this such a great event.

Convention highlights include a Sunday afternoon social event at the Frisco Rough Riders baseball game; a DPA breakfast; a sold-out all convention luncheon with guest speaker John Lorenz, AAPG President; a sold-out all division luncheon with guest speaker Richard Stoneburner, president and COO of Petrohawk Energy Corp.; an ice breaker in the vendor hall; and plenty of well attended technical talks and lots of good networking opportunities.

The SWS's year-end board of directors meeting was held during the convention where new officers were announced: president- David Coddling, president elect- Frank Paniszczyn, vice president- Pete Lufholm, past president- Lee Higgins, secretary- Glen Felderhoff, treasurer - David Thomas, AAPG Advisory Council - Bill Stephens. David Coddling, who is with Yates Petroleum in Roswell, New Mexico, is already well underway with planning next year's SWS convention, which will be held in Ruidoso, New Mexico, and hosted by the Roswell Geological Society. Also in attendance, and which made our meeting so much more special, were John Lorenz, AAPG president,

Rusty Reese, AAPG vice president- Sections, and Carol McGowen, AAPG Sections liaison.

This year, the SWS gave the most student scholarships than it ever has. Seven \$1,000 scholarships were given to students within the SWS region. Additionally, the SWS is striving to reach out to additional students to give support to attend various meetings and activities. During our SWS convention, and in conjunction with the Dallas Geological Society, we had six students who volunteered their time and received access to the technical talks, luncheons, and social events.

Each year the SWS provides an opportunity for its members to attend a technical short course. In January 2010, we had approximately 150 members attend the "Old Electric Logs: a Quick Review" short course taught by George Asquith. The course was given on consecutive days, first in Abilene, Texas, then in Fort Worth, Texas.

The Imperial Barrel Award committee is chaired by Jeff Jones, a past SWS president, and the SWS area universities have been continually represented in this challenge. This year students from the University of Texas at Arlington and University of Texas at El Paso entered the contest. University of Texas at Arlington won the regional competition, however, they did not place in the AAPG nationals. We congratulate the winners and all of the students for entering this very competitive contest and wish them good luck on their next try.

David Coddling, who served as the chair of the by-laws committee, has updated the SWS bylaws to allow email or other electronic voting by our members. Although it is not required that our membership vote for officers by email, it will allow AAPG national to provide email voting service to our members.

In order to continue our outreach and service to the SWS members, the board has approved the construction of a new website and hosting company. The design and building of the new website is under way with anticipated start-up to be by year 2010 end. The new SWS site will be much more dynamic than our current site and allow for timely updates and easier access by our membership. This work is being done by Robert Nail, chairman of the ad hoc Website committee.

The SWS board continually strives to provide service and relevance to the general membership, students and the community through membership participation in short-courses and technical programs, scholarships, and, in the future, through our updated website.

I sincerely thank all of the SWS board members for their hard work and dedication throughout this past year; David Coddling, president-elect, Russell Richards, vice-president, Tim Hunt, treasurer, Pam Stephens, secretary,

Bill Stephens AAPG Advisory Council and all of the society delegates, alternatives and committee members. There is no better group of people to be in the oil and gas business with than the members of the Southwest Section. And

remember, "There is no better time to explore than now."

**Lee Higgins, President**

## Reports of the Committees

### AAPG/SEG Cooperation Committee (Ad Hoc)

*This ad hoc committee is composed of equal representation from both AAPG and SEG. The purpose of the joint committee is to identify and recommend various means by which AAPG and SEG may cooperate to better serve geoscientists.*

#### Actions

Since being formed in Fall 2008, the committee has met at least twice per year at each of the annual meetings of the two societies. We have discussed and recommended the following:

- Reviewed locations of existing and potential international offices. Recommended that the two societies share offices in Beijing, China and Manama, Bahrain.
- Conduct joint international meetings, such as the International Conference and Exhibition (ICE) offered by AAPG and APPEX, offered by AAPG.
- Currently both AAPG and SEG have active committees that attempt to integrate geology and geophysics. The committee recommended that the two committees be combined into one and serve both societies.
- Recommended that SEG become an affiliated society with AAPG and vice versa. Then members of one society could receive member discounts for meeting fees, publications, and continuing education from the other society.
- Recommended review of potential for reciprocal or joint membership in each society.
- Recommended joint meetings for Trustee Associates for both societies.

#### Future Activity

Both society staffs drafted a "white paper" that contains a blueprint for future cooperative efforts between the

two societies. This committee will continue to monitor the progress of the white paper, provide input, and recommend implementation upon its completion.

#### Lee Billingsley, Chair

Committee members: Lee Billingsley (chair), Dick Baille (vice-chair), Tim Berge, John Bradford, Ed Heath, Randi Martinsen, Randy Ray, Elwin Peacock, Gary Servos, and Jim Tucker

### Astrogeology

*The purpose of the Astrogeology Committee is to provide AAPG members a forum for ideas on astrogeology and its relationships to terrestrial geology and energy issues.*

#### Objectives

The committee's objectives are organizing symposia at AAPG and other earth science meetings, recommending speakers for distinguished lectures, encouraging technical sessions and field trips on astrogeology at AAPG meetings, and acting as liaison with groups having similar interests, such as NASA and other geological societies. The committee encourages digital and/or paper publications on astrogeology. All who are interested in astrogeology, planetary science, and their application to energy, environmental, and other resource issues are invited to join the Astrogeology Committee.

#### Primary Goal in 2009–2010

The primary goal for the 2009–2010 business year was to prepare and promote the AAPG Special Publication *Energy Resources for Human Settlement in the Solar System and Earth's Future in Space*. This special publication, scheduled

for compilation in 2011, is a review of energy resources in the Solar System, including materials that could sustain future human expeditions and settlements as well as meet Earth's energy challenges in the 21st century. The three main themes of the special publication are (1) providing sources of energy and materials for Earth importation, (2) manufacturing of propellants for exploration of the solar system and transportation systems in space, and (3) sustaining human habitation and settlement of the solar system.

#### Other Goals

1. Arranging symposia at AAPG conventions that emphasize all aspects of astrogeology and their application to exploration for energy (or other) resources, including evaluation and production.
  - The Astrogeology Committee sponsored a technical session at the 2010 Annual AAPG Convention in New Orleans. Thomas Klekamp and William Ambrose co-chaired the oral and poster sessions "The Impact of Cosmic Collisions on Earth's History and the Occurrence of Hydrocarbon and Mineral Resources". Kadir Singh, who presented a poster titled "The Impact of Astroblemes on Earth's History and its Implications for Hydrocarbon Production" was recognized by AAPG for having one of the top ten posters of the several hundred total posters presented at the convention.
  - The Astrogeology Committee is sponsoring several activities at the 2011 Annual AAPG Convention in Houston, including a pre-convention field trip to NASA, the technical session "Destination Moon or Mars?" as well as an all-convention luncheon, and a "Salute to NASA" evening reception.
2. Meeting with leaders of the National Science Teachers Association to

develop a plan for both teacher and student education. Committee leaders contacted NSTA directors and developed overall goals of fostering an atmosphere where teachers can engage and interest students in earth science, space exploration, and energy resources in space. Discussions included

- Having members of the Astrogeology Committee give lectures and conduct field trips for K-12 students,
- AAPG Astrogeology Committee participation in NSTA regional and national conferences by scheduling technical sessions.
- Developing a series of two-three-hour learning modules for K-12 students on planetary geology.
- Developing curricula for teachers to actively engage K-12 students in thinking and learning about geology, especially planetary geology and energy resources in space.
- Preparing student competitions on planetary geology and energy resources for students.

### Website

The Astrogeology Committee continues to develop its website. Among the posted items are mission statement, goals, business plan, list of committee members and responsibilities, calendar of events, AAPG convention activities including technical sessions, field trips and forums, abstracts, presentations, calls for papers, and PowerPoint presentations in an Outreach section. The Committee greatly appreciates the services of AAPG Web Editor Janet Brister who designed, created, and updated the website. It can be accessed at: <http://www.aapg.org/committees/astrogeology/index.cfm>.

Committee Members: The Astrogeology committee welcomed new members David Buthman, Bruce Cutright, Art Johnson, David King, and Kadira Singh for the 2010–2011 year. Jim Reilly and William Ambrose served as co-chairs and Doug Peters served as committee co-vice chair. Thomas Klekamp was the vice chair for the 2010 Annual AAPG Convention in New Orleans. Ronald Hart was AAPG staff liaison officer, Charles Caughey served as committee manager, and Ted Beaumont was AAPG EC liaison. William Ambrose will serve as the new co-vice chair in 2010–2012, and Linda and Charles Stembach are the vice chairs for the 2011 Annual AAPG Convention in Houston. One of the committee's immediate goals for the 2010–2011 year was to appoint a new co chair to replace William Ambrose.

**James F. Reilly, Co-chair**

**William A. Ambrose, Co-chair**

## Career Service

*The purpose of this committee is to continually develop and maintain a portfolio of career-oriented services and programs that promote AAPG as every member's Career Partner for Life. The Career Services Committee is to continually develop and maintain programs and services in the following core areas: (1) job posting service, (2) résumé posting service, (3) member registry of skills and experiences, (4) career counseling services, (5) employment statistics services and (6) other programs/services for member career improvement.*

*This committee's programs and services are to be designed to be user-friendly to current members, as well as attractive to potential members, and establish a strong commitment of mutual need between AAPG and its members.*

During 2009–2010, the Career Service Committee completed the successful launch of its AAPG Career Center website, which features our three important new member services: (1) the job posting service, 2) the member résumé posting service, and 3) the member skill and experience registry service. Many jobs have been posted with successful placement results, and many members have submitted their résumés and established their own personal profiles there, which are searchable by potential employers.

In addition, there is also a special "Find a Consultant" and "Find Consulting Jobs" section, where our many member consultants can offer their services in a more expanded format. The growing Member Skill and Experience Registry mirrors those registries utilized at several of our major company members and provides all AAPG members with a great way to inventory over 100 skills and experiences acquired during their years of professional service.

This year the committee also received Executive Committee approval to develop plans for two additional services—a Career Counseling Service and an Employment Statistics Service. Both service plans are under development, and committee members are working diligently to develop these concepts into future services of value to the membership. This committee's programs and services are designed to be user-friendly to current members, as well as attractive to potential members, and establish a strong commitment of mutual need between AAPG and its

members. We're committed to making AAPG be every member's "Career Partner for Life."

### Clint Moore, Chair

Committee members: Chairman Clint Moore, vice-chairs Valary Schulz and Don O'Nesky, incoming chairman Pat Gordon, Bob Sellars, Marilyn Cisar, Paul Britt, Alex Pachos, Jessie Truchan, Don Clark, Don Burdick, Emam Ekwo, Chandan Jaiswal, Ben Ramaker, and Dan Smith.

## Distinguished Lecture

*The function of the Distinguished Lecture Committee is to select lecturers and instructors speaking on important and timely geoscientific topics that provide knowledge transfer between the Association, affiliated societies, and academia and serve the educational needs of its members by providing outstanding lectures. To reach these goals the Distinguished Lecture Committee identifies topics that support science-based business decisions; showcases the state-of-the-art technology and concepts utilized in the oil and gas industry to academia; works with the Regions in developing a regional program of distinguished lectures; encourages lecturers to develop their presentations into proposals for Special Publications or into manuscripts to be submitted to the Bulletin; works with the Education Committee in encouraging lecturers to develop their presentations into workshops; works with other professional societies, such as SPE, SPWLA, SEG, and EAGE, in sponsoring inter-society distinguished lecturers.*

AAPG's Distinguished Lecture Committee is currently co-chaired by Mark Cooper and Lee Krystinik with administrative support provided by Karen Dotts. The Distinguished Lecture Committee currently has 33 members and the Domestic and International DL committees both meet once annually during the AAPG Convention.

A key goal for the DL Committee over the past few years has been to expand the Distinguished Lecture and Distinguished Instructor Programs. We sent out a total of 15 for 2009–2010 with nearly 10,000 attendees at the lectures and are sending out a total of 13 for 2010–2011. Our attempts to increase the number of DL's and DI's have met with some challenges due to increased demands on professionals by

their employers in the current downturn in the industry.

The selection process and timing has been an area of focus for the committee in the past year. For the Domestic DL/DI Programs we are progressively moving much of the process to a web based application on a secure area of the AAPG website and have changed the timing of the selection process during the last year. This timing will be used in future years and is outlined below.

- The list of candidates is now final by the end of October.
- Voting by each Domestic DL Committee member is done using the web application and is completed by mid-November.
- The co-chairs review the voting results and will contact the successful individuals in December and January.
- All acceptances are copied to Karen Dotts as they are received.
- Abstracts are due from DL's by the end of February.
- Karen Dotts forwards the slate of DL's for the next tours to universities and societies starting in early March.
- The slate of DL's for the coming year is announced at the annual convention.

The International DL Selection process is also in the process of being revised and we want to see all of the International Regions adopt the model developed by the European Region DL sub-committee over the past couple of years. Whilst we think it will be impossible to achieve this in time for the next selection process cycle we will move forward with the proposed changes over the next two selection cycles. The purpose of the changes is to provide more autonomy to the Regions but also more accountability for the DL/DI selection process. The proposed changes are outlined below.

- Each International Region DL sub-committee needs to be brought up to an effective state of numbers and representation. We suggest a minimum of six members that are geographically representative of the region. This needs to be in place by the end of 2010.
- We will provide a general list of speakers and topics derived from the domestic list to the International Region DL sub-committees and each of the Region DL sub-committees can add candidates to their list that are appropriate to their region. These names must be held confidential and must be approved by the DL co-chairs; committee members cannot be named. This should be finalized by the end of September.
- The voting process will be that the Regional DL sub-committee will use the

AAPG's web voting process for selecting its own DL's by mid November.

- The Regional DL sub-committee chairs will then communicate the selections to the DL co-chairs for final approval and the DL co-chairs will issue the invitations to the candidate DL's selected by the end of December.

This proposal was presented to the Middle East, Africa, Latin America and Asia/Pacific International Region Meetings at the ACE in New Orleans in April 2010. The proposal was generally well received.

#### **Mark Cooper, Co-chair Lee Krystinik, Co-chair**

Committee members: Galacz Andras, Felipe Henrique Audemard, Walter Barton Ayers Jr., Steven L. Bachtel, Janok P. Bhattacharya, Mark Cooper (co-chair), Jayne Alexandra Drushal, Terry Engelder, Katherine Anne Giles, Barry Alan Goldstein, Ahmed Qasim Hamed, Samuel M. Hudson, Creties David Jenkins, Lee Krystinik (co-chair), Julie Ann Kupecz, James Ross Markello, Ole Jacob Martinsen, Kitty Lou Milliken, Nosa Omorodion, Jack C. Pashin, Michael J. Peacock, Greg Schoenborn, Christopher A. Scholz, Mark David Sonnenfeld, Carl Kristian Steffensen, Gabor Tari, Bruce David Trudgill, Marian Warren, and Paul Weimer

### **Education Committee**

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

The general mission of the Education Committee is to act as a resource and provide an advisory capability to the newly created AAPG Education Directorate. This follows the general conclusion of AAPG's recent external review to build up AAPG education programs nationally and globally. To this

end, the committee is also charged with helping recommend and identify instructors and course content for new regional AAPG offices in London, Bahrain, and Singapore. The decision to build up the AAPG Education program occurred during a significant increase in global oil prices with a concomitant increase in new hires within industry, but the subsequent creation of the new Education directorate was followed by global recession, partial collapse in oil prices, as well as slowing of hiring. This scenario creates an ongoing challenge to the desire and implementation of the AAPG expansion of education programs.

Three committee meetings were held: December 5, 2009, in Dallas – mid-year meeting; April 14, 2010, in New Orleans-annual meeting; and April 15, 2010, in New Orleans - strategic planning session. In addition, our committee reviewed 14 new course proposals in this fiscal year and approved 12. Of those 12, 7 have been scheduled in 2010, and the other 5, will most likely be added in 2011.

Several new concepts and products were introduced in the last fiscal cycle, including the introduction of several successful web-based Internet courses (e-symposia) and a self-study Open Courseware program, funded by the AAPG Foundation. This is an emerging area for growth for AAPG. Web-based content may be viewed in real-time or post-presentation, allowing a specific course to pay out over a sustained period. AAPG also introduced Geosciences Technology Workshops (GTW) and these are being planned in the U.S., Southeast Asia, and the Middle East. AAPG also have commitments to PTTC contracts, which are exclusively domestic.

With the creation of the new Education directorate, the committee recognized some key areas for structural improvement within AAPG. In particular, we noted a disconnect between the extensive AAPG approved course offerings and instructors managed and administered by the Education directorate, versus course and field trip offerings at AAPG Conventions. Convention planning typically begins several years prior to the actual meeting date, and historically, the local organizing committee is entirely responsible for short-course and field offerings, and the short-course and field trip program is usually set up long before there is any possibility of involvement of the AAPG Education directorate. The committee recommendation was to have Education directorate staff available as a resource to the local planning committee at the early



stages of convention planning, so that they may have access to approved AAPG courses and instructors. This does not mean that local planning committees are not free to include instructors, courses, and field trips unique to that locale, and there is no requirement that these local courses, field trips or instructors be approved by our committee. The idea is to expand the availability of AAPG Education directorate resources and potential courses, to the local convention committee in co-operation with the AAPG Convention Department. This recommendation was implemented in 2010.

Our committee also recommended creation of a speaker's bureau comprising former AAPG Distinguished Lecturer's (DL's) to be assembled in conjunction with the Distinguished Lecture Committee. AAPG send out about 10 DL's per year, which means we have hundreds of former lecturers. Most local societies, including AAPG affiliate organizations are always looking for speakers for their yearly programs. Our idea was to contact former DL's to ask if they would be willing to be listed as a possible speaker outside the regular DL program. AAPG would act as a resource to allow affiliate societies or organizations (e.g. AAPG student chapters) to contact potential former DL's through a website. AAPG would not be responsible for arranging travel, nor any other logistics, but rather provide the list of speakers as a referral process. This would mainly require that AAPG contact former DL's to obtain approval to be listed with current contact information. This would expand the availability of AAPG approved speakers to the general geoscience community. There was general agreement between the AAPG DL committee (Bhattacharya is also a member of this committee) and the AAPG Education Committee to proceed with this recommendation. We also recommend working on developing and identifying "Distinguished Instructors," perhaps by culling the best evaluations from regular AAPG short courses.

Several members of the "inner circle" of the committee have worked throughout the last year to help resolve the integration of Division-sponsored programs into a more collaborative arrangement with the Education directorate. As a formal standing committee within the AAPG structure, the committee wished to help move the continuing education activities of the divisions away from a competitive position and into a collaborative one. The objective was two-fold. First, it was

essential that the society have a uniform and efficient program-based approach to continuing education. A well-coordinated program with attention to timing and content ensures that the AAPG brand remains recognized as one of the best choices for geoscience education. Secondly, the divisions offer a diversity regarding content that has application beyond the reach of any individual division. The diversity of this content can enrich both the North American society offerings as well as the regional offerings when coordinated at a directorate and committee level. Significant progress has been made toward this integration of effort and content.

In addition to the specific achievements detailed above, at our strategic planning session in New Orleans five main goals were agreed upon:

- "Raising the bar" in terms of highly marketable, relevant content in courses.
- Supporting the regional offices (London, Bahrain, and Singapore) in their effort to deliver a wider selection of content to their region and especially focus on the use of regionally-based instructors. Attracting instructors who are skilled at delivering material that integrate multiple disciplines
- Ensuring that we offer differentiated courses that not only address specific niches, but also clearly validate the areas in which AAPG-branded education shows excellence.
- Ensuring that we offer a spectrum of accessible courses through relationships with PTTC and regional continuing education centers that minimize travel expense for participants.

There are clear challenges in achieving each of these goals, especially in light of current fiscal exigencies as well as competition for instructors with corporate agencies. Recruiting instructors remains a key challenge, especially in the Middle East and Southeast Asia regions. The committee also believes that AAPG will need to extend educational services into South America and Mexico. The committee recommended that the AAPG President to draft a letter to the major corporations (who typically have in-house specialist trainers) and ask them to identify potential instructors within their organizations who would be willing to teach for AAPG. The committee recommended utilizing resources from the Publications Committee and the Research Committee to determine new instructors, possibly from recent papers, articles, or Hedberg Conferences. Juli Hennings agreed to be the liaison to the Research Committee for the coming

year, and Tim Sheehy agreed to be the liaison to the Publications Committee for the coming year.

In addition to our yearly advisory responsibilities to the department and the directorate, such as course review and approval, implementation of these goals will be the focus of our committee progress throughout the coming fiscal year.

**Janok Bhattacharya  
and Skip Rhodes, Co-chairs  
Juli Hennings  
and MaryBeth Wagner, Co-vice chairs**

Committee Members: Samuel Akande, Donna Anderson, Stephen Bend, Janok Bhattacharya (co-chair), Sushanta Bose, Diane Brownlee, Denise Butler, Gary Citron, Robert Clarke, Amy Day-Lewis, James DiSiena, John Dolson, Martin Dubois, Ann Givan, William Haskett, Juli Hennings (co-vice chair), Creties Jenkins, John Kaldi, Joseph Lambiase, Joseph McShane, Jeffrey Nunn, Jessica Poteet, Skip Rhodes (co-chair), Andres Ruzo-Callejas, Tim Sheehy, Lori Summa, Stavros Tassos, MaryBeth Wagner (co-vice chair), Paul Weimer, John Wickham, and Laura Wray

## Geophysical Integration

*The function of the Committee on Geophysical Integration is to promote and support the integration of geophysical data with geological, geophysical and reservoir data by working with the Research Committee, Education Committee, Publications Committee, and with other professional societies in proposing, designing and conducting technical sessions, workshops and short courses at meetings and conferences, in preparing proposals for Hedberg Conferences and special publications, and seeking authors for technical papers for the Bulletin demonstrating the importance of geophysical integration; to recommend candidates for editor for the Geophysical Corner published in the Explorer; to work with the Geoscience Data Preservation Committee and Education Committee in preparing a listing of public domain geophysical data and promote the preservation of geophysical data; and to facilitate inter-society cooperation with other geophysical societies, such as SEG,*

EAGE and AGU. To accomplish these goals, the GIC is organized into three sub-committees: (1) AAPG/SEG joint sessions, (2) new publications, and (3) symposia and workshops.

### Activities Since Last Report January 2010

The Geophysical Integration Committee met at the New Orleans 2010 convention.

Attending were Linda Sternbach, Steve Henry, Bill Keach, Randy Ray, Craig Moore, John Jordan, Mark Odegard, Ray Thomassen, Webster Mohiar, Alistair Brown, and Rocky Roden.

The Geophysical Integration committee had a session at the New Orleans convention: "Geophysical Integration: a Road Map to Success." Nine oral papers were given on Monday, April 12. There was also a poster session on Monday afternoon. Several papers were videotaped by AAPG and are online on the video site in Search and Discovery.

### Forward Plans

The Geophysical Integration committee is planning on several oral and poster sessions at the upcoming AAPG in Houston April 10–13, 2011. Randy Ray has been named as "theme chair" for "Geophysical Integration" for the Houston convention and he is gathering potential papers. Linda Sternbach is technical chair of the Houston convention doing a dual role in chairing this committee and working on the convention.

The plan is to use the annual AAPG meetings as a focus goal to execute Geophysical Integration activities including oral papers, posters and courses.

### Publication Plans

Tim Berge is working on an AAPG/SEG joint publication called "Hydrocarbon Seepage: From Source to Surface" Editors are Mike Abrams, Fred Aminzadeh, T.B. Berge, and Geoff O'Brien. This is also coordinated under the Geophysical Integration Committee as Tim is a past chair and there are geophysical methods discussed in this publication. This publication is still getting articles together and will not be finished this year.

### Linda Sternbach, Chair

Committee members:  
Timothy Bryan S. Berge,  
Alistair Ross Brown, Steven Andrew Earle,  
Steven H. Gabay, Verney Green,  
R. William Keach II, Craig Earl Moore,  
and Linda Raine Sternbach (chair).

## GIS Publications

*The GIS Publications committee and Datapages, under the leadership of the Elected Editor and Geoscience Director, solicit and evaluate proposals for publications, recommend standards for format and quality, and ensure quality and rigor through peer review. Other goals include (1) improve quality of GIS publications by soliciting many proposals and increasing selectivity from among these; (2) manage expectations for acquiring and publishing GIS material. Develop and implement standards for quality and for technical review; (3) create a global network of GIS committee members and collaborators from industry, academia, and geological surveys; (4) partner with the print-focused Publications Committee to produce joint print and GIS projects whenever practical; and (5) contribute to the management of consortium funds by providing two AAPG GIS Committee representatives to sit on the OSU-AAPG Consortium Advisory Board; high-grade Datapages and GIS Publications Committee project funding proposals and liaise with the OSU consortium cartography department to ensure production of high quality and timely results.*

### Vision

AAPG will make its Geographic Information Systems (GIS) spatial publications indispensable to its members and to the petroleum geoscience community by innovative, timely and high-quality publishing.

### Mission and Goals

The GIS Publications committee and Datapages, under the leadership of the elected editor and geoscience director, will solicit and evaluate proposals for GIS publications, recommend standards for format and quality, and ensure quality and rigor through peer review.

### Main Accomplishments Summary

The 2009–2010 year focused on (1) generation and peer review of projects funded by the OSU-AAPG Foundation GIS/Geosciences consortium, (2) solicitation and peer review of projects and spatial data originating outside the consortium, (3) growing the committee membership, and (4) forming more robust joint publishing partnerships with the Publications Committee and the EMD. Additionally, the committee

beta-tested the MyAAPG committee collaboration website and provided key scoping information for the design of the new AAPG GIS portal.

### Details

#### OSU – AAPG Foundation GIS/Geosciences Consortium

Bret Fossum and Sam Limerick, committee representatives on the consortium advisory board, were active throughout the year participating in numerous board meetings, reviewing projects for funding, and solicitation and submission of candidate GIS projects. The annual funding level for the consortium is \$240,000 with 40% assigned to the GIS Publications committee, 40% to Datapages and 20% to OSU research. Following a series of advisory board review meetings, the following global framework and geographic projects were approved for funding (P.I. in parentheses) and are underway:

- Tectonic Map of North America (Norton)
- Geology of Ethiopia (St. John)
- Loutit Australia Geologic Framework (Norton)
- Nevada Petroleum Well Locations and Files (Hess)
- Shell Atlas: Jurassic – Tertiary (Gong)
- Bally Tectonic Map of the World (Gong)
- Global Atlas of Outcropping Reservoir Rocks (Puckette)
- Global Ophiolite Distribution (Byrnes)
- Incised Valleys Database (Puckette)
- Geochemical Facies Mapping of Devonian Black Shale (Cruse)

The following global framework, geographic, and geothematic projects are under review:

- Global Heat Flow Database of the IHFC (Gosnold)
- RMAG Rockies Stratigraphic Framework Atlas (Bishop)
- Atlas of Modern Deltas (Puckette)
- Gulf of Mexico Hydrocarbon Seeps and Fields Atlas (Weimer)
- Exxon Tectonic Map of the World (Bishop)
- Alberta Oil Sands Mapping and GIS Project (Hein)
- Appalachian Basin Devonian Gas Shale (Limerick)
- Georeferencing of Salt Domes, Phase 2 (Gong)
- Louisiana Oil and Gas Fields Vectorization (Gong)

GIS projects captured by the OSU cartography department are being peer reviewed by members of the GIS committee, Datapages and candidates suggested by the P.I. Additionally, all

projects submitted by the Spatial Publications Committee projects and funded by the AAPG-OSU consortium will be published on the AAPG GIS Open-File website.

Projects published in the AAPG Open-File Website since 2009 ACE:

- Attribute framework - Muehlberger Map project (Norton)
- Second Edition: Sedimentary Basins of the Arctic (Grantz, 2010)
- Petroleum Systems of the Gulf Coast (Pitman, 2008, waiting USGS approval)
- Barnett Shale Atlas (Gong)
- Powley Anadarko Basin Compartment/Pressure Studies (Gong)
- U.S. Geothermal/Heat Flow (Gong)
- U.S. Wind Energy/Avg. Wind Speed (Gong)

### Committee Membership

The committee grew to twenty industry professionals, including both subsurface and GIS specialists. Both disciplines are important to ensuring that the committee's charge can be properly addressed. Additionally, five AAPG staff members are active in the committee.

### AAPG GIS Publications Author Submission Site

The spatial publications author submission website was finalized and rolled out in 2010. Website information includes key contacts, project submittal instructions, outline of the peer review process, technical information, and data transfer instructions. The intent of the website is to promote consistency in submissions and to provide publishing instructions to potential authors.

### AAPG Bulletin Georeferencing Peer Review

Andy Ontko, AAPG consultant, has been peer reviewing and georeferencing pertinent maps from the AAPG Bulletin for two years, and has discovered systemic errors that fall into two categories—maps with incorrect latitude/longitudes, and incorrect spatial location of the maps when georeferenced. In addition to correcting the maps, Mr. Ontko prepared a modified "instructions to authors" document to alleviate future problems. Georeferenced Bulletin maps are available on the "members only" website.

### Path Forward

Going forward, the committee will continue to solicit new high-impact projects, with an additional focus on further development of joint publishing projects with the EMD, DEG and the

print publications committee. A number of joint publishing projects are underway, and we hope to grow this part of the effort, particularly with the help and funding of the AAPG – OSU Foundation GIS/Geoscience consortium. Spatial publications are a rapidly growing arm of the membership services offering for AAPG and for the industry, and one of the main goals of the committee is to ensure that the AAPG fully captures the opportunity.

### Bret J. Fossum, Chair

Committee members: Daniel Scott Beaty, Richard S. Bishop, James Sophocles Cokinos, Joseph William Cross, Andrew Cutts, Bret John Fossum (chair), David Joseph Hansen, Scott Jean Hills, Myron (Mike) K. Horn, Kevin C. King, Samuel H. Limerick, Domenico Lodola, Gayle H. McColloch Jr., James McDonald, Oliver Nicholas Morris, Ian Norton, Joseph Andrew Ontko Jr., and Peter Wigley

## Global Climate Change

*The committee's main charge is to promote and facilitate various fields of geologic study that relate to global climate change and potential solutions. Means of accomplishing the mission are the following.*

- (1) *Communicate timely information on the topic to members and the public. The communication forums will ideally be the AAPG website, DEG Bulletin, and possibly Explorer.*
- (2) *Provide technical content in the forms of: technical programs at meetings, special publications, and DEG Journal articles.*
- (3) *Recommend updates for AAPG's position paper to Executive Committee.*
- (4) *Monitor an ongoing AAPG web forum on global climate change and potential solutions.*
- (5) *Determine topics for FAQ's and write the discussion with references.*

At the Executive Committee meeting in Rio on November 14, the AAPG Executive Committee decided to sunset the GCCC effective June 30, 2010. AAPG President John Lorenz communicated the decision to the GCCC on November 16, 2009.

President Lorenz reported "... the EC felt that the committee has served the purpose for which it was created, [and] that its activities are not pertinent to the basic hydrocarbon-geoscience interests of the AAPG membership..." He said that the EC vote was intended to stop

GCCC work on climate-change issues, yet to allow time to wrap up any minor unfinished committee business that might exist. Proposals for technical sessions for the 2011 annual meeting in Houston are to be directed to the technical program co-chairs for that meeting. They will not be committee-sponsored forums. Also, the GCCC was expected to discontinue its preparations to post climate-change materials and discussion on line through AAPG. The GCCC was asked to wrap up committee business by the time of the New Orleans meeting. No GCCC business meeting would be scheduled for New Orleans; instead, an informal social gathering of GCCC members at the convention was deemed appropriate.

After the EC decision, the GCCC held no further conference calls (the last conference call was on November 4, 2009). Plans proceeded for the forum and technical sessions already accepted for the New Orleans convention, and those were held, along with an informal GCCC reception and dinner with session speakers during the meeting.

GCCC members continued to monitor scientific developments with regard to global climate change and remained in contact informally via e-mail.

### Purpose and Mission Statement

The Committee Mission Statement (developed by EC in 2007) is:

The committee's main charge is to promote and facilitate various fields of geologic study that relate to global climate change and potential solutions.

Means of accomplishing the mission are:

- Communicate timely information on the topic to members and the public. The communication forums will ideally be the AAPG website, DEG Bulletin, and possibly Explorer.
- Provide technical content in the forms of technical programs at meetings, special publications, and DEG Journal articles.
- Recommend updates for AAPG's position paper to Executive Committee.
- Monitor an ongoing AAPG web forum on global climate change and potential solutions.
- Determine topics for Frequently Asked Questions (FAQs) and write the discussion with references.

The GCCC reviewed the charge and did not recommend any changes. The GCCC discussed but did not act on some of the elements of the charge (position paper updates, web forum, FAQs).

## Topical Focus Areas

In 2008, the EC encouraged the GCCC to focus efforts on developing forums and sessions involving issues of our industry's response via adaptation and mitigation to ongoing climate change, without regard to causes. The EC encouraged the GCCC to aggressively move to adaptation and mitigation issues that are "owned" by our profession, such as:

- Carbon sequestration
- Economic and environmental realities of alternative fuels
- Mitigation of storm impact on industry infrastructure
- Adaptation of coastal facilities to shoreline erosion

The GCCC took these recommendations into account in program development for the annual conventions. Sessions in Denver and New Orleans included the topics of carbon sequestration, mitigation of storm impact and adaptation of coastal facilities.

Also in 2008, the GCCC developed the following list of additional topics for consideration. The sessions for Denver and New Orleans have included scientific discussion of ocean-atmosphere interaction and anthropogenic contributions to global climate change.

- Ocean and Atmosphere Interactions including Ocean Acidification
- Coastal Erosion and Loss of Wetlands
- Conservation and Management of Water Resources
- Reduction of Fossil Fuel Use and Promotion of Alternate Energy Sources
- Anthropogenic Contributions to Global Climate Change

## Goals for the Year 2009–2010

Prior to the EC decision to sunset the committee, the GCCC established the following goals for 2009–2010 and these were included in the submitted GCCC Plan of Action in September 2009.

1. Promote technical sessions and forums on global climate change at AAPG meetings.
2. Post talks and Q&A from GCCC sessions on AAPG Search and Discovery.
3. Expand GCCC web-based communication with AAPG membership.
4. Enhance GCCC outreach to members by contributing material to the Explorer to expand awareness of GCCC programming and activities.
5. Serve as a resource for AAPG Executive Committee on global climate change matters.
6. Explore other opportunities for publications on the geologic record of global climate change.

## Major Focus Area for 2009–2010

Programming for the New Orleans Convention

The GCCC decided that the major priority focus area for 2009–2010 would be to develop, promote and conduct three sessions at the New Orleans convention.

During the summer of 2009, the GCCC considered holding a forum on solar influences on climate in New Orleans. The co-conveners for the proposed solar forum were Sally Benson, Gene Shinn, Ray Thomasson, and Rick Turner. After extensive discussion, the GCCC decided by a vote of 7 to 4 to not present the solar Forum in New Orleans but attempt to present it at the Houston convention in 2011.

The GCCC organized and held the following two sessions in New Orleans:

Technical Session: "Carbon Dioxide Capture and Geologic Sequestration" (oral and poster sessions) Co-conveners Yousif Kharaka, Allyson Anderson, David Jenkins and James Drahovzal; the co-conveners also worked with Tip Meckel to coordinate the GCCC sessions with the other sequestration sessions in the New Orleans technical program.

Forum: "Climate Change, Sea Level Change, and Storm Event Impact on Sedimentary Environments and Petroleum Industry Infrastructure, U.S. Gulf of Mexico" (half day oral session) Co-Conveners: Julie Kupecz, Jeff Levine and Priscilla Grew. Forum speakers were:

Brian Soden: Modeling and Interpreting the Impact of Severe Storms and Their Relation to Climate

Abby Sallenger: An Overview of Extreme Storms in the U.S. Gulf of Mexico and Their Coastal Impacts

Mike Blum: Impact of Sea-Level Change and Regional Subsidence on Coastal Evolution: Prospects for the Mississippi Delta

John Anderson: Past, Present and Future Sea Level, Subsidence and Storm Impact Records Indicate Accelerated Change Along the Texas Coast This Century

Robert Patterson: Petroleum Industry Response to Storms

Larry Nation wrote an article about the Forum that appeared in the convention issue of the Explorer in April 2010. Some of the presentations were recorded, and video of the speakers and their slides is available online at AAPG's Search and Discovery website.

**John Armentrout, Co-chair**  
**Priscilla Grew, Co-chair**

Committee members:

Allyson Kaye Anderson,  
John Myers Armentrout (co-chair),  
Sally Merrick Benson,  
James Alan Drahovzal,  
Priscilla C. Grew (co-chair),  
David Anthony L. Jenkins,  
Jeffrey Alan Jones, Yousif K. Kharaka,  
Julie Ann Kupecz, Jeffrey Ross Levine,  
Eugene A Shinn, M. Ray Thomasson,  
Rick Turner, and David Bryant Vance

## Grants-in-Aid

*The purpose of the Committee on Grants-in-Aids is to provide funds to students seeking graduate degrees in the geosciences whose research has application to the search for and development of petroleum and energy-mineral resources and to related environmental geology issues. The focus is principally upon M.S. degree programs, but Ph.D. projects will be considered if the proposal is not normally supported by other societies or government agencies. This emphasis is in response to the perceived special needs at these academic levels.*

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

The 2010 application class completes the 54th year of the AAPG Foundation Grants-in-Aid program. The program is one of the most competitive and prestigious funding programs in the earth sciences.

## Awards Summary

In 2010 student submissions and committee reviews were completed online for the 6th year. We have continued to make adjustments and improvements to the online application process. The overall quality of student applications has steadily improved. For the committee, the online review

process has facilitated greater input (i.e., through comments, etc.) and continued broadening of the committee's demographics. It is simple, accessible, and convenient. The online review process is an extremely valuable tool for the efficient and effective implementation of the Grants-in-Aid Program.

The committee received 300 applications, down from the 364 applications received in 2009. Schools in 22 countries were represented this year, down slightly from 26 in 2009. Despite the overall lower number of applicants in 2010 compared to 2009 our efforts to increase the number and demographic diversity of applications for 2010 resulted in similar percentage of overall applicant pool again reflects the success of those efforts.

Restricted and Named Grants were again awarded this year to the top scoring, eligible applicants. A total of \$203,000 was granted, slightly down from \$206,120 last year. Eighty-four monetary awards, or 28% of the application pool, were made to the top scoring eligible applicants, down slightly from 88 in 2009. However, the average grant was \$2,416, an increase over the previous high of \$2,369 in 2009, and related to the increase in the maximum individual award from \$2,000 to \$3,000, which was put into place initially during the 2008–2009 program.

Applying for grant funds were 130 doctoral candidates and 170 master's candidates. The final grant award population for 2010 was 51% doctoral candidates and 49% masters candidates. This is the first year that the Committee's mission statement was adjusted to a ratio of one-half doctoral and one-half masters.

Non-U.S. Citizens comprised 45% of the applications received in 2010; 77% of the applicants are attending schools within the U.S. However, 79% of this year's awards were made to applicants attending U.S. schools and only 21% to non-U.S. schools. While we are pleased to see an increasing number of international applications, we will continue to investigate ways to increase the international visibility of the program.

### **Funding**

Of the total \$203,000 awarded in 2010, \$105,250 was provided by the Foundation Grants-in-Aid Fund and \$97,750 was from AAPG Foundation "Named Grants" honoring institutions and distinguished AAPG members. Four new named permanently funded grants were established within the AAPG Foundation and made available for the 2010 award

year the Mruk Family Named Grant (GIA Committee Chairman's Choice for Excellence), the Roger W. Stoneburner Memorial Grant, the Rodney A. Bernasek Memorial Grant (Student studying at University of Nebraska, Lincoln), and the James E. and Elloie B. Wilson Memorial Grant.

The Grants-in-Aid program continues to seek avenues to connect students and AAPG members. Increased coordination with other student related committees will be promoted, in part through the facilitation of the committee manager for Student Focus Programs. We also hope to increase awareness of the Grants-in-Aid program among the AAPG members, sections, associated societies and affiliated societies. By identifying awardees to their home societies we hope to facilitate recognition, communication and collaboration between the membership and the future membership of AAPG, building upon the AAPG community.

The 2010 grant awards were announced at the AAPG Annual Convention in New Orleans, and are available on the AAPG website at <http://foundation.aapg.org/gia/current.cfm>. Abstracts of the funded research of students who received grants in 2010 will be published in electronic form in AAPG Search and Discovery. Publication of the abstracts increases the visibility of the Grants-in-Aid Program, provides prestige and publicity to award recipients, and informs the membership of student research being supported by the Foundation.

### **Committee**

For the 2009–2010 program year, the Committee was comprised of 60 members with representation from the following countries: Australia, Canada, China, Mexico, Netherlands, Norway, Saudi Arabia, Ukraine, United Kingdom, and U.S. We will continue to broaden the demographics of the committee through international recruiting.

Many people deserve recognition for their role in making the Grants-in-Aid Program a success in 2010: the AAPG Foundation and individual donors for their generous financial contributions; committee members, for thoughtful review of applications and their suggestions for improving the program; and the AAPG Foundation staff who are responsible for administration of the Grants-in-Aid Program. Angela Taylor has proven to be a valuable member of the AAPG Foundation to the Grants-in-Aid team. We wish to thank you all for your contributions, and your dedication

continues to uphold the excellence of the AAPG Foundation Grants-in-Aid program.

**David J. Sivils, Chair**  
**Ameerah Al-Mustaffah, Vice Chair**  
**Andy Klein, Vice Chair**

Committee members: Nadeem Ahmad, George Krastev Ajdanlijsky, Adebayo Akinpelu, Ameerah Al-Mustaffah (vice chair), Aus Al-Tawil, George Ardies, Cesar Ardiles, Ralph Baird, Kevin Barnes, Loic Bazalgette, Jennifer Beall, Matt Buoniconti, Raul Cabrera-Garzon, Bob Corwin, Denise Cox, Ian Cross, Anita Csoma, Andrew Cullen, Wenjie Dong, Stephen Cross Edwards, Amanda Ellison, Lee Fairchild, Roy Fitzsimmons, N.J. (Anne) Fix, Ray Garber, Anthony Grindrod, George A. Grover, Edgar Guevara-Sanchez, Alexander Gumen, Josh Hickman, Denise Hodder, Jean C. Hsieh, Gary H. Isaksen, David Katz, Brian D. Keith, Kevin Joseph Keogh, Alexander A. Kitchka, Andy Klein (vice chair), Larry Michael Knox, Henry Anthony Legarre, Richard W. Lovell, Peter MacKenzie, Michael A. Nix, Victoria O'Connell-French, Amy L. Osborn, Andrei Panaiotu, Mary Alice Parke, April Parsons, Eric Potter, Mihaela Ryer, Kenneth Schwartz, David J. Sivils (chair), Hoxie Smith, Neil S. Summer, James W. Turner, Mike Unger, Gordon Van Swearingen, Johnnie Wanger, Rhonda Welch, Julia Smith Wellner, Jesse White, Christopher Kent Zahm

### **Group Insurance Committee**

*The function of the Committee on Group Insurance is to maintain liaison with the administrator of the Association's group insurance programs, to review the administrator's annual report, and supervise management of dividends that accrue. The Committee reviews existing programs, especially for cost competitive premiums, and requests new insurance plans to meet changing needs of the membership.*

The GeoCare Insurance Benefits Program continues to be one of the most important services provided to the AAPG membership. The committee members representing the program

continue to evaluate other organizations as potential additions to the Group Plan. Adding new groups helps to maintain competitive pricing and increases benefits to the members.

Including the AAPG, the following societies are also members of the Group Plan: American Association of Professional Landmen, Association of Environmental & Engineering Geologists, American Institute of Professional Geologists, Council of Petroleum Accountants Societies, Environmental & Engineering Geophysical Society, Geological Society of Washington, Society of Exploration Geophysicists, Society of Economic Geologists, SEPM Society for Sedimentary Geology, and the Society of Petroleum Engineers.

Association Group Insurance Administrators (AGIA) of Carpinteria, California is the program administrator. Creekmore Livingston Inc. of Punta Gorda, Florida is the broker of record. New York Life Insurance Co., Monumental Life Insurance Co., and Aetna Insurance Co. are the underwriters for the group insurance plans.

The GeoCare Program offers 11 health/life plans for the benefit of the membership: 10-year level term life insurance, term life insurance, first-to-die term life insurance, high-limit accident insurance, disability income, comprehensive healthcare, health savings account qualified insurance, dental insurance, catastrophic major medical, in-hospital insurance, and cancer insurance. We also have an association-sponsored Medicare supplement plan, long-term care insurance, a discount medical card plan, and a personal lines program (auto, homeowner, personal liability umbrella, and renters insurance) offered by Liberty Mutual Group. Finally, the program offers International Travel Insurance for members traveling outside their home country.

As of May 31, 2010, GeoCare member plan certificates in force total 9,060 with a total annual premium of \$15,206,696. With the addition of SPE, the total certificates in force number 12,217 with a total annual premium of \$21,732,082.

Through the first five months of 2010, nearly 15,500 medical claims were processed and over \$4,325,000 was paid to members enrolled in the medical group programs. This paid amount dropped significantly compared to 2009 figures, reflecting the change to a new PPO network, which negotiated deeper discounts for our members.

Complete information on all of the insurance plans provided can be found on the AAPG Web site under Services/GeoCare Insurance or at [www.geocarebenefits.com](http://www.geocarebenefits.com).

### **W. Burt Nelson, Chair**

Committee members: Nancy Carter, Robert Loren Countryman, Jane R. Crouch, Terry L. Hollrah, Randi Susan Martinsen, W. Burt Nelson (chair), Kay L. Pitts, and Ronald E. Young

## **History of Petroleum Geology**

*The purpose of the Committee is to document the evolution of geological concepts and technology used in the search for oil and gas worldwide, and the people who are responsible for this evolution.*

### **Meetings**

The History of Petroleum Geology Committee routinely meets once a year in concert with the AAPG annual meeting. Discussions between committee members during the course of the year is typically conducted via e-mail, with occasional conference calls, as appropriate.

### **Outreach Activities**

Annual History of Petroleum Geology Session: The most important function of the HoPG is coordinating and hosting the annual session on the History of Petroleum Geology on Sunday immediately prior to the opening ceremonies during the annual meeting. This function is typically initiated a year or two in advance, with a topical emphasis on the region where the annual meeting is being held.

During the 2010 annual meeting, such session included presentations on:

The Miri Oil Field 1910: The Centenary of the First Oil Discovery in Borneo, SE Asia

Locating the Play: The History of Visualization in Petroleum Exploration  
The Somewhat Accidental Discovery of the Mobile Bay Gas Field: A Story of Perseverance and Good Fortune

The Oil and Gas Industry in the Empire State: Past, Present and Future  
These sessions have been very successful, with attendance increasing each year.

Coordination with the Petroleum History Institute (PHI): Several members of HoPG are also members or officers of PHI. PHI maintains a peer review publication "History of Oil Industry." During the annual meeting held in Long Beach, PHI held its annual meeting in

Long Beach the week prior, and several members of PHI participated in both events. It is desirable to coordinate with PHI and coordinate events, when convenient. Lastly, PHI's journal provides a nice venue for all papers with an historical perspective.

At its board of directors meeting held in July 2010, AAPG/Datapages and PHI agreed for AAPG/Datapages to digitize and market at its own expense, on a non exclusive basis, issues of PHI publication "Oil Industry History," with several provisions.

### **Stephen M. Testa, Chair**

Committee members: Janet Marie Combes, Wolfgang E. Schollnberger, Raymond Paul Sorenson, Stephen M. Testa (chair), and Clinton Raymond Tippet

## **International Regions**

*The mission of the International Regions Committee is to represent AAPG international Region members by advising the EC, AC and HoD on ways to promote AAPG as a global organization. Such counsel includes enhancing international membership, increasing services and benefits to international members and providing a forum for interaction between international Regions, U.S. Sections and AAPG committees. The committee is made up of the Presidents of each Region and chairs of those committees that interface closely with them. We have a monthly telecom and meet face to face thrice annually at the ACE, ICE and Leadership Days. It is co-chaired by Peter Lloyd and Marty Hewitt with Vice Chairs Peter Kahn and John Dolson. Carol McGowen is our AAPG-HQ contact. We welcome Terry O'Hare our new committee manager who will liaise with Alfredo Guzman as a further link with the EC.*

### **Background**

The IRC represents the Canada, Europe, Asia-Pacific, Africa, Middle East, Latin America Regions, within which are widely divergent cultures and languages. Approximately 33% of the AAPG's total membership (and 22.5% of the active membership) are within IRC oversight and these Regions offer the best opportunity for increased membership given the numbers of geoscientists working in the global arena.

## 2009-2010 Deliverables

**Committee Representation:** This initiative continues and we have doubled the international representatives on various AAPG committees from a reported 75 end 2009, to 150 by April 2010. These cover positions on AAPG standing committees, as well as DEG, EMD, DPA and HoD committees, not to mention elected members in the EC, AC and HoD. The IRC committee itself was broadened to include International Pavilion and Young Professionals, and to increase the representation of female professionals. Please go to our website ("International," then "Committee") to see the most recent and updated lists of committed volunteers we now have at all levels through the organization.

**Communication:** The IRC website continues to be updated regularly to highlight involvement of the Regions in broader AAPG activities, as well as individual initiatives in the Regions themselves. Peter Kahn is the vice chair with this overall responsibility, and we get a great deal of support from Janet Brister.

**Regional Councils:** The Middle East and Latin America held well managed and geographically representative elections. Now all the Regions are performing self sufficiently as regards programs and initiatives.

**Regional Offices:** We now have Regional Offices in Dubai (supporting Middle East and Africa), London (Europe) and Singapore (Asia/Pacific). These are staffed and designed to help programs like Distinguished Lecturer, Visiting Geoscientist, Student Chapters, Imperial Barrel Award and Education, as well as local Hedberg Research Symposia, Geo-Technical Workshops and co-branded Regional Conferences and ICE's. They are also helping the Regions to broaden their own support base of volunteers.

**Business Models:** The MOU which defines just how the Regions work with the fledgling offices has been replaced by a "Regions Guiding Principles" document, which all the Regions leaderships have reportedly approved, as well as the EC. Huge effort and big thanks to Kay Pitts, David Cook and all others involved.

A Regions/Tactics document has also been written by HQ, and will serve as a guide to the various Regional leaders. The focus of this year's IRC meeting was "Best Practices" in the Regions, where a great deal is happening to support Student initiatives (IBA, VG, Student Chapters and Young Professional mentoring programs), as well as starting to organize GTW's.

**Corporate Restructuring:** IRC members Marty Hewitt, Peter Lloyd and David Cook have been heavily involved (indeed,

completely immersed) in this initiative. As it turns out the current AAPG structure with those International HQ offices is perfectly suited to allow the AAPG to operate globally, and still protect their U.S. asset base (a main driver for the whole initiative). The findings and recommendations were accepted at the HoD April 2010 meeting. Articles were submitted to the Explorer and Delegates Voice by Lloyd/Hewitt with the message that global growth will happen through deployment of services through the International HQ and Region centers.

## 2010-2011 Challenges

For the first time since the IRC has been in existence, we did not come away from our annual ACE meeting with a new list of targeted initiatives to be handled at a global level. This was quite deliberate, as 2009-2010 was a big year bringing to closure the "committee representation", "regional guiding principles", "staffing international HQ offices", "corporate restructuring" and "website update" initiatives, while simultaneously completing fully representative elections in all the Regions where broad geographic representation is now assured. The challenge in the next 12 months will be support, sustain and fine tune, and then take stock of where we stand before immersing ourselves again in projects of the scope just described, which (in some cases) have taken three years to bring to fruition.

Finally, Peter Lloyd will be stepping down as co-chair of the IRC. His replacement will be announced by incoming President David Rensink. Peter has thoroughly enjoyed his three years as co-chair (first working with John Kaldi and now with Marty), and has appreciated the support of John Hogg and Alfredo Guzman (VP Regions) and our HQ support, Carol McGowen, as well the enthusiastic support and energies of all those on the IRC itself.

## Peter Lloyd and Marty Hewitt, Co-chairs

Committee members: Adekunle A. Adesida, James Kofi Agbenorto, Hussain Mane'A Al-Otaibi, Sandra Margaret Barber, Istvan Berczi, Charles A. Caughy, David Richard Cook, David A. Dolph, John Conrad Dolson, Gina B. Godfrey, Alfredo Eduardo Guzman, Ahmed Qasim Hamed,

Steven Michael Hansen, Christian J. Heine, Martin D. Hewitt (co-chair), Peter G. K. Kahn, John George Kaldi, Seyed Shahnyar Kimiagar, Joseph J. Lambiasi, Peter Lloyd (co-chair), Hasan Sarikaya, Emilio Jose Torres, and Blas Enrique Velasquez

## Membership

The four Membership committees formally met in Denver in June of 2009, at Leadership Days in Tulsa, and in New Orleans. We also met by phone conference call several times. We have continued to include the committee on Membership Survey, chaired by Terry O'Hare in our discussions and meetings realizing their status has been formally changed to ad hoc. There is a good deal of similar thought that Terry may find useful.

## Career Services

Chair, Clint Moore  
Vice-chairs, Don O'Nesky and Valary Schultz

Excellent effort to reach their mission goals and develop a plan whereby they maintain and strengthen the programs they have championed and set a course for new services for our members.

## Recruitment

Chair, David Blanchard  
Vice-chairs, Ed Picou and Christianne Gell

The chair experienced some medical situations that captured his attention this last year. His committee is analyzing the membership numbers and will focus on the Regions for new member growth and the Sections for retention. They will work closely with the Coordination and Communication Committee to stem the annual loss in members. They are developing a realizable mission for the coming year. They have actively participated in all our efforts.

## Communications and Coordination

Chair, Andrea Reynolds  
Vice-chair, Jeff Lund

This was the first year for the newly constituted Planning Committee. The chair and vice-chair are working well on several fronts. Like all committees they are trying to populate it with a representative mix of persons from all membership classes. They have been securing the commitment and name of a representative from each

Section and Region with whom they will communicate on behalf of all the Membership committees. The defined representative will be expected to establish and maintain a current contact with all the Affiliated Societies associated with their Section or Region.

This Committee is also developing a smoother transition from Student status to Active member status and still maintaining the integrity of the one-year experience and references requirements. This will go to the HoD Constitution and Bylaws Committee this fall.

This Committee is collaborating with our other committees and Divisions to facilitate their communication needs.

### Young Professionals

Chair, Natasha Rigg  
Vice-chairs, Meredith Faber  
and Richard Ball

This committee has hit the ground running over the last two years, adding events, contacts and communications by leaps and bounds. They have found mentors and eager young members of AAPG willing to join their committee and work. With their contact base and the work of the Communications Committee we will have a network second only to that of Headquarters.

At the annual meeting, all the committee representatives continue to provide activity reports, discuss how we can evaluate our effectiveness and relevance, and offer new ideas about services and strategies for better accomplishing our goals.

I believe our four committees are motivated and have the momentum to provide a greater service to AAPG as a whole than ever before. This is the result of great leadership in the past and outstanding chairpersons and vice-chairpersons today. It will be important for the Executive Committee to realize and understand the work of these committees and how they can dovetail with it to reach all members of AAPG and also to implement their ideas for growth.

Our collective mission is the growth of AAPG through qualified member additions and retention.

Committee members - Membership Career Services: Paul William Britt, Donald G. Burdick, Marilyn Taggi Cisa, Donald Dean Clarke, Emem Umoh Ekwo, Patrick Thomas Gordon, Chandan Jaiswal, Robert Johnson Menzie Jr., Dwight McClintock Moore, Donald A. O'Nesky, Alex Pachos, Benjamin John Ramaker,

Valary Leigh Schulz,  
Robert Thompson Sellars Jr.,  
Daniel Lester Smith,  
and Jessie Jean Truchan

Committee members-Membership Coordination and Communication: Mohammad Omar Al-Amoudi, Martha Lou Broussard, Robert D. Cowdery, Edward D. Dolly, John L. Forman, Christianne M. Gell, Jeffrey William Lund, Nosa Omorodion, James Michael Party, David Gene Rensink, Andrea Adams Reynolds, and Daniel Lester Smith

Committee members - Membership Recruitment: Adekunle A. Adesida, David C. Blanchard, Donald Dean Clarke, Bonnie L. Milne-Andrews, Neculae Pandeale, Edward Beauregard Picou Jr., and Charles Alan Sternbach

Committee members - Membership Survey Ad Hoc: John E. Jordan Jr., Terence Gregory O'Hare, and Kimberly Saar Parsons

Committee members - Membership Young Professionals: Anwar M. Al-Beajji, Jonathan Patrick Allen, Somaya Hasan Al-Radhi, Manar Al-Saif, Richard William Ball, Nathan O. Blythe, Alonzo Riley Brinkerhoff, Peter David Bucknam, Hector A. Casillas, Kyla Donell Coker, Scott W Douglas, William R. Drake, Meredith L. Faber, Stacie L. Gibbins, Frank J. Graf, Brent William Greenhalgh, Tiffany Lynn Hopkins, Chandan Jaiswal, Benjamin Joseph Kessel, Nick Lagrilliere, Heather L. Lareau, Lauren Ashley Michel, Amy Cara Moss-Russell, Andrew J. Mumpy, Colin O'Farrell, Olatunbosun Ayotunde Oke, Sonya L. Punch, Heather Nichole Ramsey, Natasha Marie Rigg, Michael P. Sullivan, and Emilio Jose Torres

## North American Commission on Stratigraphic Nomenclature

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

A major highlight for the North American Commission on Stratigraphic

Nomenclature was the publication of "Set in Stone: The work of the North American Commission on Stratigraphic Nomenclature," *Stratigraphy*, v. 6, no. 2, 2009. These papers can also be found on the NACSN website: [www.agiweb.org/nacsn/](http://www.agiweb.org/nacsn/).

The second highlight was a NACSN resolution sent to the GSA publication committee outlining the commission's position on the difference between dates and duration and the abbreviations that should be used to highlight this difference.

"Date. That geohistorical dates, as a point in time derived from the rock record, be expressed in years before the present by the term 'annus', symbol 'a', with multiples symbolized as 'ka', 'Ma', and 'Ga' for numerical ages of 103, 106, and 109 years before present."

"Duration. That quantities of geohistorical time derived from the rock record be expressed in years, represented by the symbol 'yr', and multiples 'kyr', 'Myr', 'Gyr', et seq to express numerical duration."

(From Marie-Pierre Aubry et al., "Terminology of geological time: Establishment of a community standard," *Stratigraphy*, v. 6, no., p. 100–105).

Overall the commission resolved to be more proactive this year in publicizing our activities, trying to chat in quarterly teleconferences, giving talks, and sponsoring technical sessions at scientific meetings. In response to the last idea, the commission will sponsor a session at the 2010 GSA meeting in Denver to foster healthy debate on many of the key topics around stratigraphic standards that have emerged over the past few years.

### Session T143

"Stratigraphic Standards: Where have they gone, what should they do, where should they go?" Co-convenors: Arthur Donovan, Brian R. Pratt, L.E. Edwards

GSA Sedimentary Geology Division; North American Commission on Stratigraphic Nomenclature; International Subcommission on Stratigraphic Classification (ISSC); Association of Earth Science Editors (AESE); Paleontological Society.

### Session Abstract

Stratigraphic Nomenclature is the fundamental way geoscientists communicate to each other the spatial, temporal, and physical characteristics of the rocks we study. Over the last decade there has been robust debate in the



geologic literature on the (1) present dual time-rock and time classification scheme; (2) geologic terms for dates and durations; and (3) potential formalization, and associated terminology, of sequence stratigraphy in the stratigraphic code. This session will provide a forum for interested parties to discuss "Stratigraphic Standards: Where have they gone, what should they do, and where should they go?"

**Robert W. Scott, AAPG Liaison**

## Preservation of Geoscience Data

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

### Annual Committee Meeting

An invitation to attend the Annual Committee meeting as well as the meeting agenda was emailed to all committee members as well as all persons on the Association of State Geologists mailing list. Additional invitations were also sent out to persons who had attended the meeting in prior years. The committee met on April 13, 2010 at the New Orleans Marriott. Those in attendance were Michael Laine, Utah Core Research Center; Dr. John Steinmetz, Indiana Geological Survey; Kenneth Papp, Alaska Geological Material Center; Dan Boyd, Oklahoma Geological Survey; Rod Tillman, Tulsa Geological Society; Mark Wilson, Board of Governors for California Core Repository; Patrick Gooding, Kentucky Geological Survey; Sarah Ramdeen, Florida State University and University of North Carolina; David Orchard, ConocoPhillips; and Beverly Blakeney DeJarnett, UT BEG Houston Research Center.

Our lead-off speaker was Dr. John Steinmetz, director of the Indiana Geological Survey. John gave an excellent presentation and spoke about the federal effort to support geoscience data preservation at both the federal and state levels (National Geological and Geophysical Data Preservation Program). John's presentation was followed by eight fifteen-minute power point presentations given by several individuals, both committee members and guests. Presentations were made by people in industry as well as academia. Great discussions followed these presentations. Various topics of mutual interest were shared by all in attendance. These topics included (1) successful partnerships between entities that resulted in improved geoscience preservation; (2) tactics employed in a time of budget cuts; and (3) other creative methods of pursuing funding for geoscience data preservation.

The purpose of our committee is to promote collection, preservation, and utilization of Geoscience Data and bring greater awareness of these issues to the public. Discussions like this provide an opportunity to learn and develop contacts with others having similar challenges.

### List of Presentations at Annual Meeting

- Steinmetz, John. Indiana Geological Survey. National Geological and Geophysical Data Preservation Program: Federal and State Update.
- Orchard, D., ConocoPhillips. Core Location Committee, Permian Basin Section, SEPM.
- Ramdeen, Sarah, Florida Geological Survey, University of North Carolina. Digital Curation for Geoscience Materials.
- Gooding, Patrick, Kentucky Geological Survey. Lessons Learned in Establishing Rules, Policies, Procedures and Preserving Inventory Data.
- Tillman, Rod, Tulsa Geological Society. Boyd, D., Oklahoma Geological Survey. D. Glenn Cole Memorial Cross Sections Project.
- Laine, Michael, Utah Geological Survey, The Utah Core Research Center: Adaptation for Survival.
- Harrison, William B. III, Michigan Geological Repository for Research and Education, Western Michigan University. Geoscience Data Preservation Efforts in Michigan.
- Papp, Kenneth, Alaska Geological Materials Center. Alaska Geological Materials Center: Collection Update and Going Digital.

- McGay, Jim, Energy Libraries Online, Tulsa. Update on the Progress of Energy Libraries Online.

### Goals for the Committee

- Enhance committee web site.
  1. Add additional information with links to Geoscience Data Repositories.
  2. Place PDF's of presentations at Annual Committee Meeting on website
- Recruit international, industry, and young professional members to serve on committee.
- Get the word out concerning Geoscience Preservation to as many organizations and companies as possible. Greater Communication with:
  1. Federal Agencies
  2. State Agencies
  3. Oil and Gas Associations
  4. AAPG Affiliated Societies, Sections, and Regions
  5. Independents
  6. Industry upper management

### Beverly Blakeney DeJarnett, co-chair

Committee members: Patrick Gooding, Dr. William Harrison, Dr. John Steinmetz, Larry Knauer, Michael Laine (co-chair), James McGay, David Orchard. Committee Manager: Mr. Charles Caughey. Staff Liaison: Ron Hart, EC Liaison: William Houston

## Professional Women in Earth Sciences

*The committee's mission is to increase participation and advancement of women in earth sciences and the energy industry, with an emphasis on education, outreach, support, leadership development, and ultimately, workforce retention.*

During the 2009-2010 year, the committee's six teams supported the following initiatives.

### Women's Global Leadership Conference – Team Leaders:

Gretchen Gillis and Carol McGowen  
The fifth annual Women's Global Leadership Conference in Energy & Technology was held in Houston on November 3–4, 2009. This was the second year of AAPG silver sponsorship of the WGLC. AAPG and PROWESS members were well represented in the conference agenda. PROWESS members and AAPG leaders of note:

- Denise Cox moderated the session "How to Attract and Retain a Highly Skilled Workforce." The panel included Dr. Christine Williams, sociologist involved with the PROWESS workforce survey.
- Cindy Yeilding spoke in a session titled "Oil and the Environment – Breaking Down Stereotypes."
- Don Clarke served as panelist in the session "Energy Industry, the Media, and Public Perception – Friends or Foes?"
- Scott Tinker, AAPG past president, gave the keynote address on AAPG's initiative "The Bridge."

**Annual Convention Diversity Seminar Luncheon,** "The Economics of Diversity – Competing for and Leveraging Employee Diversity in a Global Petroleum Industry" - Team Leaders: Susan Nissen, Sunday Shepherd, and Evelyn Medvin

The PROWESS Diversity Seminar Luncheon was held at the 2010 AAPG Annual Convention in New Orleans. The luncheon, attended by over 120, presented six panelists who discussed how corporations integrate diversity into their business plans. The panelists were: Hussain Al-Otaibi, manager exploration technical services, Saudi Aramco; Allyson Anderson, professional staff, U.S. Senate Committee on Energy and Natural Resources; Kim M. Bates, vice president Americas, ExxonMobil Exploration Company; Allen Gilmer, CEO, Drilling Info Companies; Lorena Moscardelli, research associate, Bureau of Economic Geology-The University of Texas at Austin; Scott Sachs, vice president geoscience, northern division, Chesapeake Energy Corp.

Panelists noted the economic value of age, gender, and cultural diversity of thought/creativity as well as problem solving through both experience and new technology. The audience question and answer period pointed out that men and women, employees and managers continue to grapple with diversity issues in terms of training, workforce management, and retention. Individual responsibility and management flexibility are integral to competing in a global workplace.

**International Regions - Petroleum industry workplace environment and workforce retention issues** - Team Leader: Dave Cook

The following individuals and countries participated in the initial data collection on international energy industry workforce issues as they pertain to women earth scientists: Abeer Al Zubaidi, Bahrain; Elsa Jaimes, Colombia;

Vlasta Dvorakova, Czech Republic; Sigrunn Johnsen, Germany; Shanty Ilona and Fadia Hamid, Indonesia; Maria-Stella Sonuga, Nigeria; Dave Cook and Charlotte Hamilton, U.K. Additional countries represented in discussion groups included Austria, China, Denmark, France Hungary, Norway, Russia, Turkey, and the Ukraine.

Three major issues were brought up across all regions: (1) lack of information about geoscience careers at high school and university levels; (2) geoscience not deemed to be a suitable career for women owing to cultural, male-dominated mores and concern about field work; and (3) lack of women in senior managerial and technical positions due to glass ceilings, women's aspirations for particular types of work that do not lend themselves to executive career paths, and care-giver issues with children and/or aging parents. Access to dependable remote communication technology and flexibility in the working environment were noted as important to woman's advancement on both technical and managerial career paths.

**Workforce Retention Survey** – Team Leaders: Edith Allison, Denise Cox, and Carol McGowen

PROWESS is working with the University of Texas at Austin sociologists, Chandra Mueller and Christine Williams, to fund a five-year, Longitudinal Workforce Retention Survey. The goal of the longitudinal survey is to design and implement a sociologically based, professionally administered survey that would include a broad petroleum company sample population, assess work issues through time, and collect demographic data to place survey results into the context of working peoples' lives. AAPG and the AAPG Foundation were unable to fund the costly long-term study, but will provide letters of support for a National Science Foundation grant application. PROWESS also will provide corporate contacts for individual interviews to collect preliminary information that will comprise the basis for their fall 2010 NSF application.

**Website** – Team Leaders: Amy Noack and Amanda Beardsley

The website team designed a creative biography format that explores AAPG PROWESS committee member's career paths from their childhood ambitions to greatest accomplishments. The bios are posted on the PROWESS custom website to help motivate young scientists, provide women geoscience role models, and e-mail links to potential mentors for all geoscientists. See PROWESS website at: <http://www.aapg.org/prowess/bios/index.cfm>.

**Nomination and Awards** – Team Leaders: Katharine Lee Avary and Vlasta Dvorakova.

The PROWESS Nominations and Awards Team compiled a list of women who have served as AAPG committee chairs or Executive Committee officers, and of women who have received awards from AAPG. The list is a starting point to identify women who demonstrate strong leadership skills and should be encouraged to stand for AAPG office, as well as women who have yet to be recognized for their service to AAPG. The team wrote 2010 awards and officer nominations and networked for letters in support of the candidates.

Committee members: Jessica Moore Ali-Adeeb, Edith C. Allison, Donna S. Anderson, Katharine Lee Avary, Amanda Gail Beardsley, Donald Dean Clarke, David Richard Cook, Denise M. Cox, Vlastimila Dvorakova, Bret John Fossum, Gretchen M. Gillis, Ann V. Givan, Robbie Rice Gries, Anthony John Grindrod, Jennifer Nice Hoyt, Carol A. Walsh Law, Evelyn A. Medvin, Susan Ellen Nissen, Amy Kathryn Noack, Tiffany C. Piercey, Natasha Marie Rigg, Pilar R. Ritcherson, Sunday Kirk Shepherd, Marie-Stella Sonuga, Alecia Lucille Wawrzynski, and Cindy Ann Yeilding

## Public Outreach

*The function of the Committee on Public Outreach is to develop means of informing the public about geology in general and petroleum geology in particular, and to report successful projects to AAPG's affiliated societies.*

The recent Gulf disaster has highlighted the need for AAPG to have an active outreach program that works on the international stage. AAPG President Dave Rensink has appeared many times on national television, as have numerous other AAPG members. They have represented us well but sadly we were not prepared well enough for these fast breaking events. The Outreach Committee has been breaking ground on this.

During the last nine months several of our fellow AAPG geologists have appeared on television. Rocky Mountain Section geologist Kent Sundell appeared in a National Geographic show on fossil predators. Pacific Section geologists Bob Horton, Rob Negrini, Mike Ponek, and Don Clarke appeared in the National Geographic episode of *Man Made*

entitled "Gallon of Gas," which took the viewer from rocks to the gas station. Pacific Section geologists Paul Hacker and Gregg Hummel appeared in July in a National Geographic show on the Pacific Crest Trail and Larry Collins appeared last fall in a National Geographic show on Noah's Ark. Pacific Section's Pat Abbott does short bits for his local television stations in San Diego. Mid Continent geologist Jim McGay has recently appeared on local television. All of these geologists are connecting with the public through the media. I'm sure that my west coast bias on the examples is the result of my limited contacts. I'm sure that this is occurring all over the country.

Several of us have been talking with a few of the Hollywood-types on how to move our effort into the mainstream media. Short 15-second to 60-second spots can be made that will be shown on television. Specifically we want to share factual information about our profession and geology that would be of interest to the general public. To do this we must produce these short "spots" and make them available free to the television stations. The stations can use them as fillers. To make this work we must produce many of these and put them onto a DVD in high-definition. I would like to have the speakers be petroleum geologists. I want to get as many of us as possible into these "spots." The producers said they would like to see celebrities be the speakers. We don't agree. This type of video would be very useful to television stations when unexpected events, like those in the Gulf occur.

AAPG has also taken on the media challenge. There are a number of YouTube postings by AAPG. Check them out at: <http://www.youtube.com/aapgweb>.

Janet Brister at AAPG wrote about this in August 2009. Check out her article at: <http://www.aapg.org/explorer/2009/08aug/wwwupdate0809.cfm>.

Young Professionals, specifically Lauren Michel, Stephanie Thomas, and Meredith Faber, have been instrumental in constructing the YouTube interviews. Most were recorded at the Denver meeting last year. These interviews are of exceptional value if they can be shared with K-12 students and their teachers.

Many geologists have spoken to students in the K-12 system and to civic organizations. RMAG continues their volunteer work at Dinosaur Ridge and the South Texas Geological Society continues their work with "Maps for Schools" and the new geological exhibits at the San Antonio museum. The New

Orleans Geological Society has held forums and sponsors Super Science Saturday. The Mississippi Geological Society has performed committee work on oil, gas and environmental regulations. The Austrian Geological Society has become the place to go on geological issues for students, representatives of authorities, the academia and the public. The Geological Society of Trinidad and Tobago has been advising the government and conducting geology field trips.

#### **Don Clarke, Chair**

Committee members: Tony L. Albrecht, Karen E. Blake, Charles Elmo Brown II, Donald Dean Clarke, David Richard Cook, Rebecca Lee Dodge, David Harold Hawk, Lee Higgins, James S. McGay, Rachel Hannah Paez, Katherine D. Patrick, Eric Radjef, Dibyendu Sarkar, and Radha Vyas

## **Publications**

*The mission of the Publications Committee is to assist the Association's Elected Editor by soliciting important topics for publication and assessing suitability, market appeal, and timeliness of proposals for AAPG's special publications and the Bulletin.*

The AAPG Publications Committee has continued to solicit, review, and process proposals for publications as AAPG Special Publication volumes. Reviewers (committee members and sometimes nonmembers with specific areas of expertise) have contributed to revisions of proposals that have strengthened the final texts and made sure the volumes are related to hydrocarbon geology and are relevant to the AAPG membership. The Publications Committee received, reviewed, and accepted six proposals this year, down somewhat from last year.

The Elected Editor, Gretchen Gillis, spoke to the committee at the annual meeting in New Orleans about the Bulletin's needs (notably manuscripts on hot topics and E&P Notes as well as reviewers for areas in the Southern Hemisphere).

A new online review system was tested for managing special publications. The Editorial Manager Online Book Review system is similar to the Rapid Review system used for the Bulletin, but the former will be capable of handling any number of publications in review. Rapid

Review suffers from a limitation in the number of editors allowed within the system. The new book review system overcomes these limitations. The editorial manager system is in production test, on a volume edited by Ken Peters.

The chair, vice-chairs, elected editor, and staff have maintained a schedule of more-or-less monthly teleconference calls to assess the progress of each project, and helped shepherd various authors along the paths towards completion of projects. Eleven approved book projects are currently in production, not including the digital "Getting Started" series.

The annual committee meeting continued our focus on several aspects of our mission:

- Brainstorming "hot topics" on which to solicit proposals for special publications.
- The growing role of spatial publications, and potential and ongoing joint projects between the two committees.
- The need for revamping the publications portion of the AAPG website, and what that might include. Outgoing Editor Gillis has volunteered to help with that effort in the coming year.

Results of an informal reader survey by current and past leadership of the committee (Terri Olson, Jim Blankenship, John Lorenz, and Gretchen Gillis) were also presented. The trends towards online searches and access of information are clear, as is the increasing importance of digital publications. The results suggested that a broader and more formal survey of the membership is not required at this time.

The new collaboration site and how the committee will use it were also discussed. The chair and staff plan to create some structure to provide a framework for populating the site with archival material such as proposals and reviews.

Two Getting Started volumes are in production (Microbial Carbonates and Shales), with several others nearing completion. Vice chair Mike Sweet has assumed oversight of this series.

The following titles were released during the 2009–2010 year:

- Memoir 89: Natural Gas Hydrates—Energy Resource Potential and Associated Geologic Hazards.
- Memoir 90: Petroleum Systems in the Southern Gulf of Mexico.
- Memoir 91: Oil Field Production Geology.
- Studies in Geology 59: Carbon Dioxide Sequestration in Geological Media—State of the Science.
- Memoir 73 CD: Petroleum Systems of South Atlantic Margins.

- Studies 37 CD: Source Rocks in a Sequence Stratigraphic Framework.
- Studies 43 CD: Geologic Applications of Gravity and Magnetics.
- Publications of the AAPG Pacific Section on DVD.
- Getting Started Series #18: Carbonate Sequence Stratigraphy.

In addition, there are 11 publications currently in production with four scheduled for release in the 2009–2010 year as well as several digital publications, with an additional 16 projects, both print and digital, approved by the committee and in preparation by various authors and editors due to be received at AAPG HQ to start production during the 2010–2011 year.

The committee welcomes several new members this year and thanks members leaving the committee for their diligence. Eight members are scheduled to rotate off the committee (though most will be nominated to rejoin, with the approval of the new president). I appreciate the efforts of new vice chair Mike Sweet. Colin North has also recently agreed to join the committee as a vice chair. A new committee chair will be needed next year, with likely candidates among the current vice chairs.

Outgoing Elected Editor Gillis provided much-needed guidance and the benefits of her experience. Finally, AAPG headquarters staff, including Geoscience Director Jim Blankenship, has kept the publications effort moving in the right direction.

#### **Terri Olson, Chair**

Committee members: Tim Carr, Robert Countryman, William DeMis, Timothy Diggs (vice chair), Ashton Embry III, Alastair Fraser, Dengliang Gao, Gretchen Gillis (Elected Editor), Steven Goolsby, Carolyn Green, Cathy Hanks, Howard Johnson, John Lorenz, Ernie Mancini, Terri Olson (chair), Marty Parris, Jack Pashin, Doug Peters, Dean Potter, Marty Robinson, Francois Roure, Charles Siebels, Russell Stands-Over-Bull, Denise Stone, and Mike Sweet. New young professional members: Atle Rotevatn, Alexis Godet. New international members: Howard Johnson, Colin North, Atle Rotevatn, and Alexis Godet

## **Research**

*The functions of the Research Committee are to (1) monitor research related to exploration and production of petroleum and energy minerals,*

*(2) promote interchange of research ideas through Hedberg and other conferences, (3) assist other AAPG committees with matters related to research, and (4) cooperate with other organizations to gather data and prepare reports on subjects of interest to geoscientists. Conferences for which the committee is responsible include (1) Hedberg conferences (3-5 day events), (2) symposia (1-2 day events as a test for possible Hedberg scale conferences), and (3) Joint conferences with other societies.*

### **Goals**

1. Maintain portfolio of Hedberg Conferences at three- to five-year in 2010–2011. Utilize the AAPG Section and Region meeting programs as one source for potential conference topics and conveners. Responsible: co-chairs Peters and Nelson.
2. Develop joint conferences with SEG/SPE/EAGE – three+ per year, with each society responsible for organizing one/year. Responsible: vice chair Chatellier.
3. Each Hedberg and Joint conference will include a proposal for a course or publication using AAPG Rapid Review. Fully implemented. Responsible: co-chairs.
4. Restructure committee: balance committee membership, increase young members (<35 yr.) without losing expertise or 'corporate memory,' increase international representation, install vice-chairs to increase productivity. Responsible: co-chairs.

### **Milestones**

- The committee consists of 46 members, 22 terms expire 6/10/10, 12 expire 6/30/11); 12 academic, 2 government, 26 industry, and 6 service sector.
- Added seven students/young professionals to the committee in 2010; continued focus on balanced expertise, representation (academia, government, industry, service) and contacts (other committees and organizations).
- Expanded communication with Tech Advisory Committee by addition of co-chair Ron Nelson as member of that committee.
- Appointed committee member James Anderson as AAPG representative to AAAS.
- Established a committee to monitor and update committee website, MY AAPG.
- Revised documentation of guidelines for conference conveners.

- Documented guidelines for creating manuscripts for Hedberg volumes.
- First use of AAPG Editorial Manager for Hedberg volume (Bev Molyneux).
- RC members are encouraged to participate in the awards nomination process.
- Designated new co-chair, subject to Executive Committee approval, to replace Ken Peters (term expires 6/10/10).

### **2010 Conferences Approved**

1. Applications of Reservoir Fluid Geochemistry
  - June 8–11, 2010, Vail, Colorado
  - Conveners: Eric Michael, Mark McCaffrey, Rong Hwang, Harry Dembicki, Bob Elsinger
2. Critical Assessment of Shale Resource Plays (joint AAPG/SPE/SEG/SPWLA)
  - December 5–10, 2010, Austin, Texas
  - Conveners: Dan Jarvie, Keith Shanley, Mike Miller, Creties Jenkins, Lee Matthews, Bill Keller, Jean-Yves Chatellier, Ron Hill, Richard Moorman, Gary Schein, Galen Treadgold, Randall Miller.
3. Natural Gas Geochemistry
  - May 2011, Beijing
  - Conveners: Shuichang Zhang, Yongchun Tang.
  - Proposal recommended for approval, oral presentation reviewed by committee in New Orleans.

### **Pending Conferences for 2011–2012**

1. Multi-disciplinary Examination of an Outcrop Analogue for Exploration and Reservoir Prediction in Deep-Water Depositional Systems.
  - First Quarter 2011, Taranaki, New Zealand.
  - Conveners: Peter King, Greg Browne, Malcolm Arnot.
2. Enhanced Geothermal Systems (joint AAPG/SEG/SPE)
  - First or second quarter, 2011, no location specified
  - Conveners: Gary Isaksen, Dag Nummedal, Peter Malin
3. Fundamental Controls on Flow in Carbonates
  - Spring 2012, France
  - Conveners: Susan Agar, Sebastian Geiger
  - Proposal in review, oral presentation reviewed by committee in New Orleans
4. Latitudinal Controls on Stratigraphic Models and Sedimentary Concepts
  - Early 2012, Banff(?)

- Conveners: Carmen Fraticelli, Markwick, Allard, Martinus
  - Proposal in preparation, oral presentation reviewed by RC in New Orleans
5. Microbial Carbonate Facies and Reservoirs
- No date yet, Houston(?)
  - Conveners: Ernie Mancini, Wayne Ahr, Will Parcell, Bill Morgan
  - Proposal in preparation, oral presentation reviewed by RC in New Orleans

### Status of Recent Hedbergs for Publication

1. Gas Hydrates: Energy Resource Potential and Associated Geologic Hazards
  - Memoir 89 – now on sale
  - Resulted from September 2004 Hedberg Conference
  - Conveners: Tim Collett, Art Johnson
2. The Geologic Occurrence and Hydraulic Significance of Fractures in Reservoirs
  - Special Issue of the Bulletin, November 2009
  - Resulted from July 2008 Hedberg Conference
  - Conveners: Peter Hennings, Laird Thompson, Mark Zoback, Chris Zahm, Paul LaPointe, Steffan Matai
3. Basin and Petroleum System Modeling: New Horizons in Research and Applications
  - Manuscripts currently in editorial review for Hedberg volume.
  - Resulted from May 2009 Hedberg Conference.
  - Conveners: Ken Peters, David Curry, Marek Kacewicz.
4. Geological Carbon Sequestration: Prediction and Verification
  - Conveners plan to submit a proposal soon for a Hedberg volume.
  - Results from August 2009 Hedberg Conference.
  - Conveners: Hannes Leetaru, John Kaldi, David Lumley, Tip Meckel.

**Ken Peters, Co-chair**  
**Ron Nelson, Co-chair**

Committee members: Co-chairs Ken Peters and Ron Nelson, committee manager Karen Glaser, vice chair Joint Meetings Jean-Yves Chatellier, AAPG liaison Susan Nash, Debbi Boonstra, Jim Blankenship, AAAS liaison Jim Anderson, EC liaison Rusty Riese, DEG liaison James Taranik, Technical Advisory Committee liaison Ron Nelson.

## Reservoir Development

*The mission of the AAPG Reservoir Development Committee is to provide AAPG members involved in or interested in reservoir characterization and field development with resources to enhance their technical and business skills. The committee strives to identify new technologies and concepts important in field development and to sponsor conferences as well as technical sessions at the annual meetings. The committee also encourages and supports publications on these topics.*

The Reservoir Development Committee sponsored several technical conferences over the last year. The committee jointly sponsored a Geoscience Technology Workshop on “Geological Aspects of Estimating Petroleum Resources and Reserves,” September 9–11, 2009 in Houston, with the CORE Committee. Abstracts and select presentations are posted on searchanddiscovery.net. The committee generated Hedberg Conference on “Geochemistry” was convened June 8–11, 2010 in Vail. The compilation and editing of key papers from a Hedberg Conference titled “Sandstone Deposition in Lacustrine Environments” was finalized and has been submitted for publication.

The committee is also working with the GIS Committee on a “Digital Atlas of Outcrop Analogs.” The purpose of the Atlas is to compile documented outcrop studies in a digital format for geoscientists to use as reservoir analogues and other applications.

### John Sneider, Chair

Committee members: Olive Whitney Baganz, George Bolger, Richard Ernest Drumheller, Charles T Feazel, Christian J. Heine, Hannes Edmund Leetaru, Natasha Marie Rigg, Keith William Shanley, John Scott Sneider, Stacey E. Weltmer, Edwin H. Westergaard, and Jeffrey Marc Yarus

## Resource Evaluation

*The function of the Committee is to provide input and facilitate U.S. Government agencies and other appropriate agencies in performing assessments and monitoring the status of U.S. and international hydrocarbon resources. The committee may publish*

*resource estimates only if they are fully documented with appropriate maps, statistics, and explanation of methodology.*

### Meetings

The Committee on Resource Evaluation met physically once during this fiscal year, on April 11, 2010, that being at the annual meeting in New Orleans. Additionally, quarterly teleconferences are held in an effort to facilitate member communication while addressing concerns relative to travel. The quarterly teleconferences this cycle convened on 9/08/09 and 1/12/10.

### Chair

John Ritter is the current chair of the committee. Naresh Kumar is the current vice-chair.

### Projects

- Review of USGS Methods for Predicting Growth-to-Known Reserves  
A subcommittee, ably led in the past year by Lee Backsen, of the CORE, finalized its report, which was subsequently approved by the Executive Committee. The report was forwarded to the USGS. The USGS issued some clarifying comments in regards to the CORE report, and prepared an addendum to be included as a permanent attachment to the final CORE report. This addendum was reviewed and accepted by the CORE and the Executive Committee. The report was finalized and posted on the AAPG website committee page on January 13, 2010. Over the course of this evaluation, the following CORE members, past and present, contributed to this effort: Lee Backsen, coordinator, John Ritter, Tim Klett, Richard Nehring, Pete Stark, Ron Charpentier, Emil Attanasi, Brenda Pierce, Don Gautier, John Curtis, Jeff Brown, Ben Hare, Naresh Kumar and Rusty Riese. Ken Logan of TransCanada Pipeline and the Canadian Gas Potential Committee also participated.
- Comment to the International Accounting Standard Board Discussion Paper on Extractive Industries  
The IASB issued a Discussion Paper in April 2010 requesting comment on 10 key accounting issues related to the Extractive Industries, including the petroleum sector. The CORE was charged by AAPG leadership to prepare

comments as appropriate. The CORE reviewed the 10 issues, and considered that only that issue relating to the recommendation on the appropriate petroleum definition system to be used was within its purview. A comment was prepared to that effect, and forwarded to AAPG leadership, via AAPG President John Lorenz, for review and approval, as appropriate. The comments were approved and successfully posted to the IASB website as a matter of public record on June 21, 2010, where they can be accessed.

- Review of MMS Assessment Methodology

The Minerals Management Survey (MMS), now the Bureau of Ocean Energy, through Richard DeSelles, who is also a CORE member, of the Management, Review and Enforcement group, requested a peer review of the assessment methodology for their 2011 National Assessment report. Considering past CORE involvement in a prior review of the methodology, it was deemed this was an excellent opportunity to provide a progress update report focusing on the degree to which the planned methodology for the upcoming assessment incorporated prior recommendations by CORE.

A subcommittee of Kumar (Chair), Nehring, Ritter, Brown and Bishop will participate in this review, in addition to Chris Schenck and Ron Charpentier of the USGS. In accordance with the 2011 National Assessment work plan, the BOEMRE held a half-day meeting, via teleconference, on June 29, 2010, to review the methodology with the CORE subcommittee, focusing on the Atlantic and GOM assessments. Comments from the subcommittee are being collated. A follow-up subcommittee meeting is planned for mid-July.

- Request for CORE Review of USGS Continuous Assessment Methodology Per request (email of 13 November) from Brenda Pierce, USGS, the CORE was requested to review the economic analysis methodology of continuous type assessment units. A subcommittee consisting of the following personnel is in place: Jack Schuenemeyer (Lead), Bill Haskett or Jeff Brown, Tom Ahlbrandt, Lee Backsen, and Richard Nehring.

Following a WebEx conference in February, and further discussions with Ron Charpentier and Troy Cook of the USGS, subcommittee members considered the form and content of the input and output data to be reasonable. However, the review team had not had the opportunity to review the internal workings of the model (equations), which several CORE members considered

pertinent to a review of a continuous assessment process. Jack agreed that an equation review would be requested, and it is anticipated that the USGS will cycle back to the CORE mid-July with a planned review date.

- Reserves and Resources GTW

Various members of the CORE actively worked in coordinating and participating in this Geoscience Technology Workshop. CORE member Creties Jenkins was co-chair, together with John Schneider, Chair of the Reservoir Development Committee. The GTW was successfully held on Sept 9-11 in Houston Texas.

- PRMS Applications Document

The CORE is functioning as the primary review group on behalf of AAPG for the PRMS Applications Document. This important and much-anticipated document, to be jointly approved by the PRMS co-sponsors, is designed to provide a basis for application of the PRMS. Work is ongoing, with Ken Mallon of the CORE participating on the Applications Document Steering Committee.

### Membership

A total of nine members were scheduled for term expiration this cycle. Messrs. Backsen, Brown MacDonald and Schuenemeyer have accepted re-appointment, and several other members are being approached to consider term extension. Additionally, Rusty Riese has been offered and has accepted membership. Accordingly, the CORE appears adequately staffed for the coming cycle.

### John Ritter, Chair

Committee members: Lee B. Backsen, Andrew Gerald Barrett, Richard S. Bishop, John Reginald V. Brooks, Paul Jeffrey Brown, Clarence W. Cook, John Blair Curtis, Richard Paul Desselles Jr., James Joseph Emme, William L. Fisher, Creties David Jenkins, Naresh Kumar, Paul R. La Pointe, David Grant MacDonald, Kenneth Mark Mallon, Charles John Mankin, Glenn McMaster, Richard D. Nehring Brenda Pierce, Walter Charles Riese, John Ernest Ritter, Wolfgang E. Schollnberger, John H Schuenemeyer, Stephen A. Sonnenberg, and Philip Herald Stark

## Student Chapters

*The mission of the Student Chapter Committee (SCC) is to support the*

*establishment and ongoing efforts of AAPG Student Chapters at academic institutions. To this end, the SCC will act as the primary liaison between AAPG and its student and faculty members. Within AAPG, the SCC will be a leader in establishing programs that will promote student membership, facilitate student involvement in the greater organization, and provide students with exposure to research and careers in the petroleum, energy mineral and environmental sciences. The SCC will strive to maintain an active, diverse membership that represents a broad disciplinary and geographic distribution of professionals, thereby providing a valuable resource to students as they transition from academics to professional careers. The committee should maintain an international co-chair or vice-chair and apply for foundation funding for specific needs.*

### Committee Structure

During the 2009–2010 fiscal year, the Student Chapter Committee (SCC) consisted of 38 members, forming a highly diverse group. Committee membership included nine international members, three students, and nine early career professionals. The committee leadership included four vice chairs responsible for supervising domestic chapters (Vice-chair: Eva-Maria Rumpfhuber), international chapters (Vice-chair: Joy Roth), annual meeting programs (Vice-chair: Joe McShane), and student leadership initiatives (Vice-chair: Richard Ball).

### Student Chapter Membership (As of 04/01/10)

|                         |       |
|-------------------------|-------|
| Total Student Members   | 5,956 |
| Total Student Chapters  | 209   |
| Active Student Chapters | 132   |
| Chapters, USA           | 91    |
| Chapters, International | 118   |

### Programs, Sponsors, Awards & Recipients

|   |                              |
|---|------------------------------|
| Student Membership Fees                         | Chevron                      |
| Student Lounge, New Orleans                     | Chevron                      |
| Student Reception, New Orleans                  | ExxonMobil                   |
| Student Presentation Awards, New Orleans        | Shell E&P                    |
| Student Travel Stipends (30), New Orleans       | Shell E&P                    |
| Outstanding Student Chapter Awards, New Orleans | Schlumberger                 |
| Participation in Trips and Courses              | Denbury Resources, Inc. Hess |

Nexen  
 Student Field Trip and Short Course,  
 New Orleans Hess  
 Nexen  
 EBY Petrography & Consulting, Inc.  
 Student Volunteers,  
 New Orleans Noble Energy  
 DataPages Free Download Cards Devon  
 Shell E&P  
 Book Gift Program \$250 per eligible  
 chapter: 27 chapters  
 L. Austin Weeks  
 Undergraduate Grants \$500 for  
 recipients/  
 \$500 for  
 chapter:  
 43 chapters

### 2010 Annual Convention, New Orleans, LA

An anonymous donor provided \$25 AAPG Bookstore gift certificates for all student presenters.  
 Student chapters from Baylor University, Colorado School of Mines, Imperial College of London, San Diego State University, Southern Methodist University, Stephen F. Austin State University, and California State University, Fresno had members work in the AAPG General Store during the New Orleans Convention, earning a combined total of \$6,037.27.

### 2010 Shell Best Student Presentation Awards, New Orleans, LA

1st Place, Student Oral  
 Presentation \$2,000: Lisa Stright  
 Gift to Student's School  
 \$1,000: Stanford University  
 2nd Place, Student Oral  
 Presentation \$1,500: Supratik Sarkar  
 Gift to Student's School  
 \$750: University of Oklahoma  
 3rd Place, Student Oral  
 Presentation \$1,000: Thomas Ward  
 Gift to Student's School  
 \$500: University of Oklahoma  
 4th Place, Student Oral  
 Presentation \$500: Olav Blaich  
 \$250: University of Oslo  
 1st Place, Student Poster Presentation  
 \$2,000: Allison Green  
 Gift to Student's School  
 \$1,000: Colorado School of Mines  
 2nd Place, Student Poster Presentation  
 \$1,500: Matt Boyce  
 Gift to Student's School  
 \$750: West Virginia University  
 3rd Place, Student Poster Presentation  
 \$1,000: Tricia Alvarez  
 Gift to Student's School  
 \$500: University of Texas at Austin  
 4th Place, Student Poster Presentation

\$500: Clarke Campbell  
 \$250: Dalhousie University

### 2010 Schlumberger Outstanding Student Chapter Awards, New Orleans, LA

Outstanding Student Chapter, USA  
 \$1,000: University of Oklahoma  
 Honorable Mentions, USA  
 Stephen F. Austin  
 University of Utah  
 Outstanding Student Chapter, Int'l  
 \$1,000: University of Diponegoro  
 Honorable Mentions, Int'l  
 Gadjah Mada University  
 University of Aberdeen

### 2010 Jim Hartman Service to Students Award, New Orleans, LA

Robert C. "Bob" Shoup  
 This award is presented in recognition of long-term support of AAPG student members and significant contributions to the education and professional development of young geoscientists.

### Highlights

The Student Chapter Program was highlighted at several events during the 2010 New Orleans Convention. Over 400 students, faculty and industry representatives attended the AAPG/SEPM Student Reception, sponsored by ExxonMobil. The annual student field trip was fully subscribed with 27 students registered for the event. This was a one-day, pre-meeting tour of the Evolution and Sedimentary Architecture of the Wax Lake Delta, Louisiana, USA. The annual Student Short Course was attended by 32 students and was entitled: Geology and Geophysics Applied in Industry. Due to generous corporate support, student registration for the field trip was \$25, registration for the short course was \$20, and students registering for both events were charged \$35.

At the 2010 New Orleans Convention fifteen students participated in the AAPG Student Poster Competition. Fifteen students also participated in the AAPG Student Oral Competition. For the oral competition, student presentations were dispersed among the regular technical sessions. Judges' scores showed that the student presentations were often on par with their professional counterparts.

The 3rd Annual Student Chapter Leadership Summit was held in August 2009 in Tulsa, OK. Eighteen students, representing each of the various regions and sections, attended this event. The objective of the SCLS was to bring

student leaders from across the globe together to interact, share experiences, and brainstorm on ways to increase the effectiveness of student initiatives throughout AAPG. The fourth annual SCLS is scheduled for August 2011.

While the SCC continues to administer its annual programs, it also plans to embark on a series of initiatives for the 2010–2011 fiscal year. These initiatives include:

- Improving communication with international and domestic student chapters.
- Partnering/collaborating with other AAPG committees.
- Increasing the scope of SCLS programs.
- Leveraging technology to better serve individual chapters throughout the world.

### Rhonda Welch, Chair

Committee members: Carlos Alberto Aizprua Luna, Younis K. Altobi, Richard William Ball, James Lee Bedford, Robert Travis Clarke, David A. Dolph, Adegbeniga Oluwafemi Esan, Meredith L. Faber, Michael A. Halpin, Jacquelyn LaMar Holt, William Edward Hottman, William S. Houston, Geovani Christopher Kaeng, Anthony Joseph Kolodziej, Shannon N. LeBlanc, Ryan Thomas Lemiski, Bo McCarthy, Joseph Allen McShane, Kevin Sullivan Meyer, Lauren Ashley Michel, John Albert Minch, Douglas Freddie Minken, Danielle Marie Nihiser, Kori Kristen Norberg, Neculae Pandeale, Jessica E. Poteet, Karyn Lyn Powell, Claudia Rassi, Joy Michele Roth, Eva-Maria Rumpfhuber, Dharmawan H. Samsu, Stephanie Germaine Thomas, Mike Unger, Donald Walker, Susan A. Waters, Rhonda A. Welch, Stanley Rich Wharton, and Janet Yun

### Visiting Geoscientist Program

*The function of the committee on the Visiting Geoscientist Program (VGP) as defined in the mission statement is to provide university students and institutions worldwide with a balanced picture of geosciences in the petroleum, energy minerals, and environmental industries; provide information about careers in the geosciences; project a positive image of the geosciences profession; and encourage geosciences*

career options for young scientists of high caliber. These goals are achieved through direct student contact during college and university visits by active professional geoscientists.

Visiting geoscientists give a technical talk in an area of specialization as well as introduce students to possible career paths to facilitate their future in the geosciences. The speakers also may discuss relevant changes to the job market or present information about new technical challenges. The program also demonstrates the advantages of active participation in AAPG as well as increased interaction between industry and academic staff.

Coordination with other AAPG programs such as Student Chapter, Grants-in-Aid, Student Expo, IBA, YP, and Publications Pipeline are important to our efforts.

Some areas of note from this year and plans for future efforts include:

1. Recognition Efforts: Future recognition of the Visiting Geoscientist with the greatest contribution of efforts for the year possibly given at the annual student reception.
2. Visiting Geoscientist Tours: An AAPG funded VG tour was conducted this past year and it is expected to follow with many more. The response has been tremendous. AAPG Regions that are harder to reach will hopefully benefit from this initiative.
3. Communication: The addition of the VGP committee page to myaapg.org is expected to increase our ability to communicate effectively. The AAPG website changes should be put into place within the upcoming year as well. The proposed updates should allow our VG's to maintain their own profiles that universities use to request visits as well as provide an easier way for them to communicate their visits to AAPG headquarters.
4. Publicity: The VGP brochure is being distributed around the world. A recognizable logo to associate with the program is also being completed. The VGP will begin to schedule digital billboard ads on the AAPG website to increase exposure in the upcoming months.
5. Local Coordinators: The committee has assigned a local coordinator for every AAPG Section and Region. Each is responsible for connecting an area university with a VG lecturer for otherwise unfulfilled requests. Coordinators should also try to encourage more volunteers to join our efforts as visiting geoscientists.
6. Recruitment: Among the many avenues currently used to recruit

more AAPG visiting geoscientists. There is a new idea to encourage young professionals with an interest to partner on some visits with an existing VG in order to develop the skills necessary for visits of their own.

7. VG Visits: Campus visits are currently distributed almost evenly between the U.S. Sections and International Regions as a whole. The balance within each of the two categories is varied and unbalanced from year to year. This variation is caused by many factors that include the concentration of volunteers within the area, corporate travel and time constraints, and accessibility in certain cases. Among the AAPG Regions, Asia Pacific and Europe hold a significant advantage in number of visits overall when compared to the other regions. Among AAPG Sections, Eastern Section followed by Gulf Coast benefitted from a higher number of visits. Universities that have or are working to start an AAPG Student Chapter maintain increased consideration for visits as a whole. This also contributes to the distribution variances.

The VGP Committee is striving to create a better balance of visits to geosciences departments around the world. This and effective coordination among our visiting geologist volunteers, geosciences university groups, and committee members remain our biggest challenges.

**John Kaldi, Chair**  
**Edith Wilson, Chair**

Committee members: Carlos Abreu, Kunle Adeside, Bayo Akinpelu, Jim Bedford, Lee Billingsley, John Brooks, Chuck Caughey, Bob Cowdery, Roy Cox, John Dolson, Chris Heine, John Hogg, Bill Houston, John Kaldi (chair), Carrie Kidd, Peter Lloyd, John Lorenz, Shams Samsuddin, Fred Schroeder, Steve Shaw, Bob Shoup, Charlotte Sullivan, Betsy Torrez, and Edith Wilson (chair).

## Youth Educational Activities

*Mission Statement: To serve the youth of today and to help create the geoscientists of tomorrow. The members will strive to increase the knowledge and appreciation of the geosciences among students and teachers. These tasks will be accomplished by supporting the*

*broad efforts of AAPG members participating in K-12 outreach efforts and increased communication. Committee efforts are also focused on the Earth Science Teacher of the Year Award and Teacher's Program at national and section meetings.*

### Goals for 2010-2011

- Highlight successful K-12 programs (such as GeoForce and Maps in Schools) and facilitate parallel programs in other localities where additional outreach programs are needed.
- Increase the role of YEA in the Annual Meeting Teacher Program through interaction between the Teacher of The Year and attendees of the teacher program.
- Increase interactions between AAPG members participating in outreach activities and the needs of teachers. This will be done through several avenues including Geoclubs at the high school level, increased publicity for existing curriculum materials, and perhaps field trips sponsored by AAPG associated with Earth Week and AGI.

The through going theme of these goals is communication. The YEA committee members are dedicated to make communication a priority between K-12 outreach efforts of AAPG and other earth science organizations.

### Committee Activities for 2009-2010

Earth Science Education Summit (funded by NSF, hosted by AGI, held February 8-11, 2010).

The summit was attended by representatives of AGI member societies and key partners as well as educators from the 46 member organizations. AAPG YEA was represented and lead one of the six discussion groups. The purpose of the summit was to provide a forum for AGI's member societies and others with a stake in ESS education to discuss four major challenges and devise initial plans to systematically address each of these. These challenges include:

- Perception of ESS education by school systems, parents, and institutions of higher learning;
- ESS teacher preparedness;
- Status of ESS standards and the Advanced Placement Earth Science Exam; and
- Competition to ESS courses from anti-science movements and other sciences.



The summit progress toward these goals continues with working groups in each area, a web-based collaboration space and plans for a Summit II to take place in February 2011.

### **AAPG K-12 Resources and Youth Education Activities Website**

The K-12 Resources Page (<http://www.aapg.org/k12resources>) is designed to make it easier for teachers and AAPG members to utilize available curriculum information. In addition, the YEA committee website (<http://www.aapg.org/committees/yea/>) is the central page for committee members. If you have the opportunity, please visit these pages and provide feedback to continue to make them a useful resource for K-12 education activities.

The Geoscientist's Professional Science Enrichment Handbook is available on the AAPG website to download and utilize. This document created in conjunction with AGI is intended to be a tool for AAPG members to use when asked to go into the K-12 Classroom. It provides suggestions, sample activities, and philosophical approach to getting young students fully engaged in the inquiry-based exercises.

### **Rocks in Your Head and Maps in Schools Programs**

The link between the two programs serves to (1) provide the Tapestry of Time Geologic Map to K-12 schools nationwide and (2) interface with teacher workshops and aid geoscience-based classroom materials. The Maps in School Project has received a grant from the AAPG Foundation.

### **Earth Science Teacher of the Year Award**

Stef Paramoure from New Braunfels, Texas representing the Gulf Coast Section was the Earth Science Teacher of the Year Award recipient (<http://www.aapg.org/explorer/2010/04apr/tyoty0410.cfm>). There were four well-qualified candidates for the award this year. We hope to have six candidates (one from each section) for next year. Efforts are under way to create more of a community of award winners past and present. Additionally, efforts are under way to revise the application process to make it more accessible for teachers and help facilitate more applicants. Through the YEA website, AAPG members and Teacher of the Year winners can have regular communication to better their

curriculum and improve classroom setting outreach as a whole.

### **Laura Zahm, Chair**

Committee members:  
Richard William Ball, Elizabeth Bartow Campen, Joan E. Crockett, Norbert Everett Cygan, Ronald L. Hart, Owen R. Hopkins, Inda Proske Immega, Robert W. Krantz, Donald Watson Lewis, Peter MacKenzie, Steven Robert May, James Owen Puckette, Nina Marie Rach, Gary Charles Robinson, John Lee Stout, and Laura Cutright Zahm (chair).

## **Young Professionals Committee**

*The mission of the AAPG Young Professionals Committee (YPC) is to foster a challenging and successful career in the energy business for recent college graduates and early career geoscientists (<10 years experience), and to build an understanding of the value of a lasting relationship between AAPG and young professional members. Accomplishing this mission will require (1) open communication with students about careers in earth science; (2) identifying and serving early career needs of young geoscientist; and (3) offering opportunities for networking, career guidance, learning, and enhancing professional competence. The responsibilities of this committee are to provide a series of unique services to AAPG young professional members, to retain and increase our current young professional membership, and to encourage AAPG young professionals to progress from Student to Associate to Active membership.*

### **Current Reality**

During fiscal year 2009-2010, The AAPG Executive Committee approved a global structure for the YPC. This new structure incorporates 1-2 appointed young professional chair(s) for each Section and Region. These Section/Region chairs are responsible for developing their own Section or Region YP Sub-Committee, as well as localized YP Chapters. Section and Region Sub-Committees will be responsible for realizing the YPC's mission as stated above and reporting to and coordinating through the global YP Committee. YP Sub-Committee Chairs have been

identified for each of the 12 Sections and Regions of AAPG.

Additionally, the AAPG Executive Committee approved the inaugural Annual Young Professionals Leadership Summit, to be held adjacent to the AAPG Leadership Conference. The focus of this summit will be to ensure that the Section/Region YP chairs have the tools, support, and guidance they need to develop a viable YP program within their respective Section or Region.

In addition to Section and Region-specific accomplishments listed below, the YP committee also achieved the following goals during the fiscal year:

- Sent a letter to new graduates.
- Developed an YP Handbook to be used as a guideline in the Section and Region sub-committees.
- Developed a stronger link with the Student Chapters Committee (to be incorporated into the global committee structure via student chapter liaisons).
- Hosted the student/professional Meet-N-Greet at 2010 ACE.
- Supported the YouTube Interviews effort during 2010 ACE.
- Solicited young professional involvement in AAPG committees (where requested). Successfully placed 15 young professionals on a variety of AAPG committees.
- Uploaded committee bios to the YP website: <http://www.aapg.org/youngpros/>.

Chairs for the following Section and Region YP Sub-Committees have just recently been appointed and current work is focused on expanding the Sub-Committee to include Chapter representatives from key cities throughout the respective Section or Region: Africa Region, Eastern Section, Latin America Region, Mid-Continent Section, and Southwest Section.

### **Asia/Pacific Region**

- Planning a technical session for young professionals during GEO India, December 2010.

### **Canada Region**

- Formed the YP Sub-Committee and identified a student chapter liaison. Continuing to build the YP Sub-Committee to include representatives from key cities throughout Canada.
- Planning YP event(s) for the ICE in Calgary, 2010.

### **Europe Region**

- Attended and manned a booth at the World Petroleum Council's 2nd Youth Forum.

- Expanding the successful YP lecture series from the University of Aberdeen into southeast England. Lecture Series visits are planned to Royal Holloway, Aberdeen, Imperial College, Leicester, and Manchester for the coming year.
- Collaborating with the Petroleum Exploration Society of Great Britain to organize YP social events in London and Aberdeen.
- Continuing to support student chapters throughout the Region; have upwards of 900 student members from ~ 20 active student chapters.

### **Gulf Coast Section**

- Linked up with the HGS Neo-Geos to hold joint events. Attended the Gulf Coast board meeting to establish connection with other local societies.
- Contacted young professionals via the AAPG Young Professionals Facebook page and via a letter to companies throughout Houston.
- Planning a variety of YP events including hiking, community service, social networking, seminars, service company tours, etc.

### **Middle East Region**

- Formed YP Sub-Committee and coordinated with Middle East Region Council members and officers.

- Planning a Middle East Young Professional & Student Conference with the hopes of collaborating with region universities.

### **Pacific Section**

- Focused on establishing a local Bakersfield YP Chapter.
- Held several successful (well-attended) YP events in coordination with the local geological society. These include networking events, field trips, volunteer events, and a career seminar.
- Coordinating a networking event and/or field trip at the regional PSAAPG meeting in Anchorage.

### **Rocky Mountain Section**

- Have nearly 200 members from 35 companies, 10 vendors, 3 government agencies, and 6 universities.
- AAPG YP has teamed up with RMAG Neo-Geos for events held in Denver, including two regional field trips, four community service events, monthly social outdoor events (camping, snowshoeing, etc.), quarterly networking social hours, and a YP networking event during the AAPG RMS meeting in Durango.
- Achieved election of several YPs to local societies (RMAG secretary,

SWLPA president and three directors, RMS-SEPM vice-president).

- Future goal is to increase the number of IBA participants from the Section. Formed a local IBA committee composed of YPs to encourage participation from Section universities.

### **Natasha Rigg, Chair**

Committee members:

Olatunbosun Oke (Chair-Africa), Chandan Jaiswal (Chair-Asia/Pacific), Tiffany Piercey (Chair-Canada), Mike Sullivan (Chair-Eastern), Nick Lagrilliere (Chair-Europe), Amy Moss-Russell (Chair-Gulf Coast), Emilio Torres (Chair-Latin America), Tiffany Hopkins (Chair-Mid-Continent), Somaya Al-Radhi & Anwar Al-Beajji (Co-Chairs-Middle East), Jon Allen (Chair-Pacific), Peter Bucknam (Chair-Rocky Mountains), Scott Douglas (Chair-Southwest), Manar Al-Saif, Richard Ball, Nathan Blythe, Riley Brinkerhoff, Hector Casillas, Kyla Coker, Bill Drake, Meredith Faber, Stacie Gibbins, Frank Graf, Brent Greenhalgh, Ben Kessel, Heather LaReau, Lauren Michel, Andrew Mumpy, Sonya Punch, Heather Ramsey

## Association Awards

### Sidney Powers Memorial Award

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

1945 – Wallace E. Pratt  
1947 – Alexander Deussen  
1948 – A. I. Levorsen  
1950 – Everette L. DeGolyer  
1951 – Max Steineke  
1952 – K. C. Heald  
1953 – Frederic H. Lahee  
1954 – George Martin Lees  
1956 – William Embry Wrather  
1957 – J. P. D. Hull  
1958 – Paul Weaver  
1959 – Raymond C. Moore  
1960 – Henry V. Howe  
1961 – Clarence L. Moody  
1962 – Lewis G. Weeks  
1963 – Hollis D. Hedberg  
1964 – Edgar W. Owen  
1965 – Victor Elvert Monnett  
1966 – William B. Heroy, Sr.  
1967 – Carey Croneis  
1968 – Maurice Ewing  
1969 – Ira H. Cram, Sr.  
1970 – Frank R. Clark  
1971 – Frank A. Morgan  
1972 – Morgan J. Davis, Sr.  
1973 – Gordon I. Atwater  
1974 – G. Moses Knebel  
1975 – Dean A. McGee  
1976 – W. Dow Hamm  
1977 – Michel T. Halbouty  
1978 – Kenneth H. Crandall  
1979 – William Hirst Curry, Jr.  
1980 – Kenneth K. Landes  
1981 – Mason L. Hill  
1982 – Daniel A. Busch  
1983 – Grover E. Murray  
1984 – Robert J. Weimer  
1985 – J. Ben Carsey  
1986 – Merrill W. Haas  
1987 – James E. Wilson  
1988 – Rufus J. LeBlanc, Sr.  
1989 – Hugh Neumann Frenzel  
1990 – John T. Galey  
1991 – John E. Kilkenny  
1992 – Sherman A. Wengerd  
1993 – Robert R. Berg  
1994 – William L. Fisher  
1995 – John D. Haun  
1996 – Bernold M. Hanson  
1997 – Robert D. Gunn

1998 – Albert W. Bally  
1999 – Norman H. Foster  
2000 – Gerald M. Friedman  
2001 – Robert M. Sneider  
2002 – James L. Wilson  
2003 – Peter R. Vail  
2004 – Lawrence W. Funkhouser  
2005 – Kenneth W. Glennie  
2006 – Robert M. Mitchum, Jr.  
2007 – Arnold H. Bouma  
2008 – Fred F. Meissner  
2009 – Marlan W. Downey  
2010 – L. Frank Brown, Jr.

### Michel T. Halbouty Outstanding Leadership Award

*Michel T. Halbouty Outstanding Leadership Award (formerly Michel T. Halbouty Memorial Human Needs Award) is given each year by the Association in recognition of outstanding and exceptional leadership in the petroleum geosciences.*

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

2003 – Rex Monahan  
2004 – Hugh Davies  
2005 – No Recipient  
2006 – No Recipient  
2007 – John J. Amoruso  
2008 – James A. Gibbs  
2009 – M. Ray Thomasson  
2010 – Patrick J. F. Gratton

### Honorary Members

*Honorary membership is bestowed upon persons who have distinguished themselves by their service and devotion to the science and profession of petroleum geology and the Association.*

#### 2010 Recipients

Adebayo O. Akinpelu  
John R. Hogg  
Pinar O. Yilmaz

Mahmoud Abdul-Baqi, 2003  
John J. Amoruso, 1987  
Albert W. Bally, 1986  
Richard S. Bishop, 2006  
George R. Bole, 1999  
Louis C. Bortz, 1988  
Arnold H. Bouma, 2007  
James "Jim" Brooks, 1993\*  
John R. V. Brooks, 1997\*  
Martha Lou Broussard, 2004  
David G. Campbell, 1995  
Elizabeth B. Campen, 2009  
A. T. "Toby" Carleton, 2000  
Paul A. Catacosinos, 2000  
Stewart Chuber, 2004  
James M. Coleman, 2002  
Robert D. Cowdery, 1987  
Brenda K. Cunningham, 2001  
Edward K. David, 2005  
Herbert G. Davis, 1986  
Gerard J. Demaison, 1995  
Li Desheng, 1994\*  
Wallace de Witt, Jr., 1999  
Edward D. Dolly, 2007  
Marlan W. Downey, 2007  
Bernard C. Duval, 1995\*  
George Eynon, 2008  
William L. Fisher, 1990  
Peter T. Flawn, 1983  
Gerald Manfred Friedman, 1990  
Lawrence W. Funkhouser, 1984  
Lee C. Gerhard, 1997  
James A. Gibbs, 1995  
Ned (E. E.) Gilbert, 2001  
Robert N. Ginsburg, 1991

\*Distinguished Achievement Awardee

William E. Gipson, 1991  
Kenneth W. Glennie, 2003  
Howard R. Gould, 1979  
Claus Heinrich Graf, 1996\*  
Patrick J. F. Gratton, 2002  
Willard R. Green, 1998  
Robbie Rice Gries, 1998  
Walter P. Grün, 2003  
Robert D. Gunn, 1983  
Frank W. Harrison, Jr., 1986  
James Austin Hartman, 1992  
John D. Haun, 1984  
Christopher P. M. Heath, 2005  
G. Warfield "Skip" Hobbs, 2005  
Terry L. Hollrah, 2006  
Myron K. Horn, 1997  
Robert R. Jordan, 1993  
John G. Kaldi, 2009  
John R. Kerns, 1993  
Robert E. Klabzuba, 1992  
Hans H. Krause, 1998\*  
Susan M. Landon, 2000  
Roberto A. Leigh, 1996\*  
Donald W. Lewis, 2008  
Robert G. Lindblom, 1999  
Peter M. Lloyd, 2008  
John P. Lockridge, 1987  
Ernest A. Mancini, 2008  
Charles J. Mankin, 2000  
Anibal R. Martinez, 1983\*  
John A. Masters, 1996  
Marcio Rocha Mello, 1998\*  
Daniel F. Merriam, 1996  
Richard F. Meyer, 1987  
Harry A. Miller, Jr., 1985  
Robert M. Mitchum, Jr., 2000  
Raul Mosmann, 2002  
William R. Muehlberger, 1995  
D. Keith Murray, 1988  
Roelof J. Murriss, 1995\*  
Arne R. Nielsen, 1992  
J. Michael Party, 2009  
Douglas G. Patchen, 2004  
Alain Perrodon, 1995\*  
M. Dane Picard, 1994  
George B. Pichel, 1991  
Edward B. Picou, Jr., 2002  
Max G. Pitcher, 1994  
Lewis S. "Stan" Pittman, 2001  
David G. Roberts, 2001  
John W. Rold, 2006  
Peter R. Rose, 2002  
Wolfgang Schlager, 1999\*  
Harrison Hagan Schmitt, 2006  
Nahum Schneidermann, 1994  
John W. Shelton, 1990  
Roger M. Slatt, 2003  
Carl J. Smith, 2001  
Daniel L. Smith, 2007  
Stephen A. Sonnenberg, 2008  
Bill St. John, 1988  
Donald Sherwood Stone, 1994  
Paul M. Strunk, 1999  
John A. Taylor, 1982

M. Ray Thomasson, 2003  
Jack C. Threet, 2008  
Bernard P. Tissot, 1987  
Don F. Tobin, 1998  
Harrison Lee Townes, 1997  
Peter R. Vail, 1991  
Arthur M. Van Tyne, 1996  
Koenraad Weber, 2004  
Robert J. Weimer, 1982  
Larry D. Woodfork, 1990  
Donald L. Ziegler, 1986  
Peter A. Ziegler, 2009

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

John Emery Adams, 1966  
Gordon I. Atwater, 1969  
Fritz L. Aurin, 1960  
Andrew D. Baillie, 1990  
Thomas D. Barber, 1997  
Leonidas T. Barrow, 1959  
N. Wood Bass, 1961  
Ted L. Bear, 1988  
B. Warren Beebe, 1966  
Alfred H. Bell, 1962  
Allan Parnell Bennison, 1999  
Robert R. Berg, 1985  
D. L. Blackstone, Jr., 1990  
Richard R. Bloomer, 1987  
Leslie Bowling, 1975  
Don R. Boyd, 1989  
Carl C. Branson, 1973  
Jules Braunstein, 1980  
John M. Browning, 1985  
George S. Buchanan, 1965  
Daniel A. Busch, 1978  
H. P. Bybee, 1956  
M. R. Campbell, 1934  
Carlos Walter M. Campos, 1992  
Joe Cannon, 1994  
Everett Carpenter, 1958  
J. Ben Carsey, 1966  
Arlo E. Childs, 1970  
H. Victor Church, 1987  
Frank R. Clark, 1958  
Leslie M. Clark, 1976  
Robey H. Clark, 1985  
George V. Cohee, 1963  
Frank B. Conselman, 1970  
Kenneth H. Crandall, 1972  
Ira H. Cram, Sr., 1964  
Carey Croneis, 1965  
William H. Curry, Jr., 1973  
Doris S. M. Curtis, 1983  
N. H. Darton, 1938  
Morgan J. Davis, Sr., 1964  
Ralph E. Davis, 1960  
L. Courtney Decius, 1975  
C. E. Decker, 1927  
Ronald K. DeFord, 1965  
Thomas W. Dibblee, Jr., 1996  
E. L. DeGolyer, 1944  
Alex Deussen, 1953  
Parke A. Dickey, 1989  
Fred A. Dix, 1986

Carroll E. Dobbin, 1957  
Charles F. Dodge III, 1999  
Robert H. Dott, Sr., 1962  
E. T. Dumble, 1926  
John E. "Brick" Elliott, 1970  
Samuel P. Ellison, 1982  
Elmer W. Ellsworth, 1972  
W. H. Emmons, 1946  
Maurice Ewing, 1968  
Norman L. Falcon, 1973  
John L. Ferguson, 1969  
Norman H. Foster, 1993  
Hugh N. Frenzel, 1982  
H. B. Fuqua, 1983  
John T. Galley, 1980  
John E. Galley, 1983  
G. C. Gester, 1949  
George R. Gibson, 1973  
August Goldstein, Jr., 1981  
H. B. Goodrich, 1929  
C. N. Gould, 1943  
Cecil H. Green, 1993  
George C. Grow Jr., 1988  
Eduardo J. Guzmán, 1972  
Michel T. Halbouty, 1969  
Dollie R. Hall, 1963  
W. Dow Hamm, 1967  
Marcus A. Hanna, 1962  
Bernold M. Hanson, 1984  
Charles J. Hares, 1959  
G. D. Harris, 1935  
T. S. Harrison, 1956  
Merrill W. Haas, 1979  
Roy T. Hazzard, 1959  
John C. Hazzard, 1973  
Kenneth C. Heald, 1957  
Hollis D. Hedberg, 1967  
Thomas A. Hendricks, 1971  
William B. Heroy, 1957  
William B. Heroy, Jr., 2001  
Mason L. Hill, 1966  
Melvin J. Hill, 1979  
R. T. Hill, 1926  
John M. Hills, 1980  
William J. Hilseweck, 1969  
Harold W. Hoots, 1974  
Henry V. Howe, 1967  
J. V. Howell, 1956  
M. King Hubbert, 1974  
J. P. D. Hull, 1951  
George S. Hume, 1954  
V. C. Illing, 1960  
James R. Jackson, Jr., 1982  
H. R. Johnson, 1953  
Percy E. (Peter) Kent, 1976  
John E. Kilkenny, 1972  
Robert E. King, 1970  
Robert M. Kleinpell, 1973  
Hugh Douglas Klemme, 1991  
G. Moses Knebel, 1965  
Samuel H. Knight, 1959  
Edward Koester, 1971  
Frank E. Kottlowski, 1985  
Hans G. Kugler, 1968  
F. H. Lahee, 1947

\*Distinguished Achievement Awardee

Kenneth K. Landes, 1962  
 A. C. Lawson, 1937  
 Rufus J. LeBlanc, 1981  
 M. M. Leighton, 1950  
 A. I. Levorsen, 1957  
 James O. Lewis, 1986  
 Ray C. Lewis, 1993  
 Theodore A. Link, 1962  
 E. R. Lloyd, 1950  
 John David Love, 1995  
 Leonard F. McCollum, 1974  
 Dean A. McGee, 1989  
 Duncan A. McNaughton, 1988  
 Robert E. Megill, 1993  
 Maurice G. Mehl, 1961  
 Fred F. Meissner, 2001  
 Lee Hillard Meltzer, 1983  
 W. C. Mendenhall, 1935  
 Willis G. Meyer, 1984  
 Ralph LeRoy Miller, 1988  
 Marcus E. Milling, 1998  
 H. D. Miser, 1948  
 V. E. Monnett, 1955  
 Clarence L. Moody, 1956  
 Graham B. Moody, 1962  
 John D. Moody, 1972  
 Raymond C. Moore, 1957  
 Robert B. Moran, 1959  
 Frank A. Morgan, 1961  
 Harold T. Morley, 1968  
 Grover E. Murray, 1970  
 Jerry Bowers Newby, 1967  
 Gordon B. Oakeshott, 1981  
 W. W. Orcutt, 1926  
 Ezequiel Ordonez, 1935  
 Edgar W. Owen, 1960  
 Ben H. Parker, 1966  
 John M. Parker, 1987  
 James A. Peterson, 1996  
 Thomas Hughes Philpott, 1993  
 Wallace E. Pratt, 1957  
 R. D. Reed, 1939  
 Eugene F. "Bud" Reid, 1991  
 John L. Rich, 1954  
 John T. Rouse, 1971  
 Edward C. Roy, Jr., 1993  
 Eric A. Rudd, 1992\*  
 R. Dana Russell, 1976  
 R. D. Salisbury, 1919  
 E. F. Schramm, 1956  
 Charles Schuchert, 1934  
 E. H. Sellards, 1946  
 C. L. Severy, 1958  
 Laurence L. Sloss, 1981  
 G. O. Smith, 1920  
 Robert M. Sneider, 1994  
 William C. Spooner, 1958  
 Hans Stille, 1937  
 J. A. Taff, 1934  
 Charles H. Taylor, 1961  
 W. Taylor Thom, Jr., 1958  
 Arthur C. Trowbridge, 1958  
 Daniel Trumpy, 1964  
 Edd R. Turner, 1982  
 Marion O. Turner, 1984

W. H. Twenhofel, 1946  
 J. A. Udden, 1927  
 E. O. Ulrich, 1936  
 Martin Van Couvering, 1967  
 W. A. J. M. van der Gracht, 1936  
 F. M. Van Tuyl, 1949  
 Walter A. Ver Wiebe, 1955  
 H. H. von Hofer, 1924  
 William A. Waldschmidt, 1979  
 Robert F. Walters, 1987  
 Theron Wasson, 1960  
 Paul Weaver, 1956  
 Lewis George Weeks, 1967  
 Sherman A. Wengerd, 1977  
 David White, 1919  
 I. C. White, 1926  
 James E. Wilson, Jr., 1977  
 James Lee Wilson, 1987  
 W. G. Woolnough, 1941  
 W. E. Wrather, 1943

## Outstanding Explorer Award

*The Outstanding Explorer Award is given in recognition of distinguished and out-standing 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

## Robert R. Berg for Outstanding Research Award

2009 – Bradford E. Prather  
 2010 – Martin P. A. Jackson

## Distinguished Service Award

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

1971 – August Goldstein, Jr.  
 1972 – Howard R. Gould  
 1973 – John D. Haun  
 Leslie Bowling

1974 – John T. Galey  
 1975 – Jules Braunstein  
 Robert J. Weimer  
 1976 – James R. Jackson, Jr.  
 1977 – George V. Cohee  
 Samuel P. Ellison, Jr.  
 1978 – Robert H. Dott, Sr.  
 Frank Gouin  
 1979 – George Copernicus Grow, Jr.  
 Thomas C. Hiestand  
 John C. Maher  
 1980 – John E. Galley  
 John W. Shelton  
 1981 – Bernold M. Hanson  
 Frank E. Kottlowski  
 Ralph L. Miller  
 Marion Orville Turner  
 1982 – Donald W. Axford  
 Garth W. Caylor  
 William L. Fisher  
 Herbert G. Davis  
 Robert L. Fuchs  
 Robert J. Gutru  
 Richard F. Meyer  
 1983 – Don R. Boyd  
 Fred A. Dix, Jr.  
 James O. Lewis  
 D. Keith Murray  
 George B. Pichel  
 Donald L. Ziegler  
 1984 – Dudley Harold Cardwell  
 Robert H. Dott, Jr.  
 John P. Lockridge  
 Eric A. Rudd  
 Grant Steele  
 1985 – Thomas D. Barber  
 Norman H. Foster  
 George S. Galbraith  
 James A. Hartman  
 James S. MacDonald  
 William R. Moran  
 Anthony Reso  
 1986 – Allan P. Bennison  
 Louis C. Bortz  
 Charles F. Dodge III  
 Myron K. Horn  
 Roscoe E. Shutt  
 1987 – A. T. "Toby" Carleton  
 James A. Gibbs  
 John W. Harbaugh  
 Daniel F. Merriam  
 Bill St. John  
 Larry D. Woodfork  
 1988 – James M. Forgotson, Jr.  
 Gerald Manfred Friedman  
 Robert R. Johnston  
 Robert R. Jordan  
 John R. Kerns  
 Jack P. Martin  
 John A. Masters  
 1989 – George R. Bole  
 Martha Lou Broussard  
 Clemont H. Bruce  
 David G. Campbell  
 Lee C. Gerhard

\*Special Commendation Awardee

- Scott J. Lysinger  
William H. Matthews III
- 1990 – James A. Helwig  
Michael E. “Mike” Hriskevich  
Lewis S. “Stan” Pittman  
William H. Roberts III  
Edward C. Roy, Jr.  
Nahum Schneidermann  
Richard Steinmetz
- 1991 – Dudley W. Bolyard  
Robbie Rice Gries  
George C. Hardin, Jr.  
Jerome J. C. Ingels  
Edward D. Pittman  
Robert M. Sneider  
Don F. Tobin
- 1992 – Edward A. Beaumont  
Steven H. Harris  
Christopher P. M. Heath  
Robert G. Lindblom  
James A. Peterson  
Phillip E. Playford\*
- 1993 – Paul A. Catacosinos  
John C. “Jack” Dunlap  
Mateu Esteban\*  
Gay L. Harmann Larré  
Hugh M. Looney  
Lucien Montadert\*  
Wolfgang Schlager\*  
George D. Severson  
Paul M. Strunk  
Thomas L. Wright
- 1994 – Charles S. Hutchison\*  
Murray Johnstone\*  
R. Pranjatna Koesoemadinata\*  
Susan Longacre  
Edward McFarlan, Jr.  
G. A. S. Nayoan\*  
Khalid Ngah\*  
James P. Rogers  
John D. Sistrunk, Jr.  
Carl J. Smith  
Arthur M. Van Tyne
- 1995 – Richard S. Bishop  
Brenda K. Cunningham  
Edward K. David  
Samuel Arthur Friedman  
Kenneth Jinghwa Hsu\*  
Susan M. Landon  
A. John Martin\*  
Charles R. (Chuck) Noll  
M. Ray Thomasson  
Peter A. Ziegler\*
- 1996 – Pablo Cruz-Helu\*  
Ashton F. Embry  
George Eynon  
Jeffrey C. Greenawalt  
Gary E. Henry  
Gustavas Warfield Hobbs IV  
Maria Antonieta Lorente\*  
Rafael Sanchez-Montes de Oca\*  
Peter R. Rose  
Roger M. Slatt  
Carlos Maria Urien\*
- 1997 – Lee T. Billingsley  
Stewart Chuber  
Walter P. Grün\*  
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 Mosmann\*  
F. Pierce Pratt  
Edward G. Purdy\*  
1999 – Abdulla H. Al-Naim\*  
Jean Dercourt\*  
Richard Hardman\*  
Ed W. Heath  
James A. Noel  
Roy D. Nurmi  
Douglas Gene Patchen  
Edward B. Picou, Jr.  
Stephen A. Sonnenberg
- 2000 – Edward D. Dolly  
Peter M. Lloyd\*  
J. Michael Party  
Robert T. Sellars, Jr.  
Robert C. Shoup  
Dietrich Welte\*  
Pinar Oya Yilmaz
- 2001 – Elizabeth B. Campen  
Chuck Caughey  
Ian Derek Collins  
Robert L. Countryman  
Ben D. Hare  
Jean R. Lemmon  
Tom Mairs  
Wolfgang E. Schollnberger
- 2002 – Thomas S. Ahlbrandt  
Jeffrey Aldrich  
Donald D. Clarke  
John R. Hogg
- 2003 – Norbert E. Cygan  
Donald W. Lewis  
Steven L. Veal  
Paul Weimer
- 2004 – Royce P. Carr  
Pete G. Gray  
Jeanne E. Harris  
Barry J. Katz  
Lowell K. Lischer  
Deborah K. Sacrey
- 2005 – Adebaya Akinpelu  
Thomas C. Chidsey, Jr.  
Thomas E. Ewing  
Richard G. Green  
Gerald E. Harrington
- R. Randy Ray  
Charles Alan Sternbach  
Jack C. Threet  
Scott W. Tinker
- 2006 – Martin D. Hewitt  
Neil F. Hurley  
John George Kaldi  
Larry C. Knauer  
Jeffrey W. Lund
- 2007 – Adekunle A. Adesida  
Alfredo E. Guzman  
Andrew Hurst  
John C. Lorenz  
Eric P. Mason  
Valary L. Schulz
- 2008 – Katharine Lee Avary  
John (Jack) D. Edwards  
Barry A. Goldstein  
Douglas C. Peters
- 2009 – Alistair R. Brown  
Larry L. Jones  
Mike J. Lakin  
Dalton F. Lackman  
Kenneth M. Mallon  
Randi S. Martinsen  
Robert C. Mummery  
John E. Ritter  
Stephen L. Shaw  
Jack H. West
- 2010 – Martin M. Cassidy  
Rebecca L. Dodge  
Bob A. Hardage  
Dwight “Clint” Moore  
Terence G. O’Hare  
Craig W. Reynolds  
John W. Robinson

## Grover E. Murray Memorial Distinguished Educator Award

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

- 1995 – James Lee Wilson  
1996 – Gerald M. Friedman  
L. L. Sloss  
Robert J. Weimer  
1997 – George B. Asquith  
Robert Louis Folk  
Harold G. Reading  
1998 – Gerard V. Middleton  
Lloyd C. Pray

\*Special Commendation Awardee

- 1999 – D. L. Blackstone, Jr.  
Peter R. Vail  
Roger G. Walker
- 2000 – Robert R. Berg  
John D. Haun  
Ernest A. Mancini
- 2001 – John W. Harbaugh  
Clyde H. Moore  
Charles R. Stelck
- 2002 – Zuhair Al-Shaieb  
William R. Muehlberger  
Paul E. Potter
- 2003 – Albert V. Carozzi  
Frank G. Ethridge
- 2004 – Knut O. Bjorlykke  
William E. Galloway  
Andrew D. Miall  
Edward C. Roy, Jr.
- 2005 – Aural T. Cross  
Fred Franke Meissner  
Paul Weimer
- 2006 – G. Randy Keller  
Brian E. Lock  
Roger M. Slatt  
John Edward Warne
- 2007 – Janok P. Bhattacharya  
A. Eugene Fritsche  
Stephan A. Graham
- 2008 – Robert S. Gray  
S. George Pemberton
- 2009 – J. Frederick Read  
Finn Surlyk
- 2010 – Wayne M. Ahr  
Eric A. Erslev  
Murray K. Gingras
- 1996 – Norman D. Newell (for paleoecological studies of Permian Reef complex of W. Texas and organic evolution)
- 1997 – Marsha A. Barber (for development of K-12 curricula and teacher training to improve public understanding of energy issues)
- 1997 – Eugene M. Shoemaker (for transforming meteor impacts into an accepted geologic process with implications for terrestrial geology and evolution)
- 1997 – Paul G. Benedum, Jr. (for leadership of the Claude Worthington Benedum Foundation)
- 1997 – Robert E. Megill (for showing petroleum geologists how to express their ideas and cope with their science through the use of petroleum economics)
- 1998 – Fred A. Dix, Jr. (for dedicated leadership of the AAPG from 1973 to 1996)
- 1999 – Isaac J. Crumbly (for leadership in creating a technical workforce for the nation's energy industry)
- 1999 – Sarah G. Stanley (for leadership in the development of public centers for workstation training)
- 2000 – Arthur R. Green (for visionary work to develop integrated geoscience and commitment to deliver these products to the geoscience community)
- 2000 – William T. Smith (for outstanding achievement as a working petroleum geologist and oil industry executive)
- 2001 – Kenneth Dale Owen and David L. Rice (for their efforts in restoring the 19th century New Harmony scientific community in Indiana)
- 2001 – Richard Warren (for his commitment to the oil industry while facing personal affliction with fortitude)
- 2001 – J. C. "Jay" Gallagher (posthumously) (for the successful evolution of the International Pavilion)
- 2002 – Emmanuel Tamesis (for contributions to the education of geologists and for achievements in Philippine petroleum exploration)
- 2003 – Waverly Person (for contributions to the field of earthquake studies and establishment of the National Earthquake Information Center)
- 2004 – Dietrich H. Welte (for contributions in petroleum geochemistry and numerical modeling of petroleum systems)
- 2005 – John W. Gibson, Jr. (for his contribution to AAPG's legacy on ethics)
- 2006 – Jorge Ferrer (for efforts to improve international communications)  
Roy H. Gabrielsen (for leadership of academic and industrial petroleum research)
- 2007 – Richard D. Fritz (for visionary leadership and stalwart management of AAPG's scientific and business activities)  
Marcus E. Milling (posthumously) (for leading the American Geological Institute to national prominence in earth science education, public geoscience outreach and government relations.)
- 2008 – Nikolai V. Lopatin (for recognizing his lifelong contribution to petroleum geochemistry and establishing some of the most important principles of petroleum maturation and migration).  
Steven L. Veal (for contributing to the AAPG over the past two decades, including service to HoD, DEG, Conventions and the Executive Committee).
- 2009 – Alexi E. Kontorovich  
Akif Ali Narimanov
- 2010 – Robert W. Allen  
George P. Mitchell

## Special Awards

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

- 1973 – Harrison H. "Jack" Schmitt (for lunar exploration)
- 1974 – Marcel and Conrad Schlumberger (posthumously) (for development of electrical logging)
- 1990 – John F. Bookout (for excellence in exploration leadership)
- 1991 – Norman H. Foster and Edward A. Beaumont (for work on the *Treatise of Petroleum Geology*)
- 1995 – James Wood Clarke (for English translation/publication of geological information from Soviet Union and Russia)
- 1996 – Wesley G. Bruer (for adding Oregon to the list of producing states with the 1979 discovery of the 70 bcf Mist gas field)

## Public Service Award

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

- 1971 – Dewey F. Bartlett
- 1972 – William T. Pecora
- 1973 – Ian Campbell
- 1974 – Dean A. McGee
- 1975 – Lee C. Lamar
- 1976 – No Recipient
- 1977 – William J. Sherry
- 1978 – George T. Abell
- 1979 – A. V. Jones, Jr.
- 1980 – G. Frederick Shepherd
- 1981 – Wilson M. Laird
- 1982 – Wallace W. Hagan  
Richard A. Jahns
- 1983 – Daniel N. Miller, Jr.  
John B. Patton
- 1984 – John Wesley Rold  
Joseph J. Simmons III
- 1985 – James A. Barlow
- 1986 – Robert D. Gunn  
Cliff J. Nolte

- 1987 – Jack G. Elam  
Fred L. Smith, Jr.
- 1988 – Charles J. Mankin
- 1989 – John A. Taylor  
James W. Vanderbeek
- 1990 – Cyril J. Perusek
- 1991 – John David Love
- 1992 – John H. Gray
- 1993 – Virgil E. Barnes  
Charles W. Spencer
- 1994 – William Kennon McWilliams, Jr.  
Thomas Walsh Rollins
- 1995 – Norbert E. Cygan  
Gerald G. L. Henderson
- 1996 – Alan L. DeGood  
Robert G. H. Reynolds  
E. Gerald Rolf
- 1997 – Samuel T. Pees
- 1998 – Mary Elizabeth Dowse  
David G. Rensink
- 1999 – James E. Brooks  
John Robert Dewey  
Randy A. Foutch
- 2000 – John Harris Marshall, Jr.  
Alvin L. Schultz
- 2001 – Patty Holyfield  
H. Leighton Steward  
John S. Wold
- 2002 – M. Lee Allison  
Lawrence H. Skelton
- 2003 – Charles E. Brown II
- 2004 – John C. Dolson
- 2005 – John W. Hickenlooper
- 2006 – Edward C. Roy, Jr.
- 2007 – Peter T. Flawn  
Lee C. Gerhard  
Edward M. Warner
- 2008 – Ashton F. Embry  
Douglas C. Rateliff
- 2009 – Owen R. Hopkins
- 2010 – Thomas C. Bergeon  
Ahmed N. El Barkooky  
William B. Harrison, III  
Tako Koning

## Pioneer Award

*The Pioneer Award is an oak plaque bearing the recipient's name, date and place to be given, and year of membership. It is given to long-standing members who have made significant contributions to the Association but have been unrecognized.*

- 1997 – Elliott H. Powers
- 1999 – Elizabeth Anne Elliott
- 2000 – Willam C. Gussow  
Frank P. Sonnenberg
- 2001 – No Recipient
- 2002 – Craig Ferris
- 2003 – Rushdi Said  
Robert M. Sanford
- 2004 – No Recipient
- 2005 – Philip W. Choquette

- 2006 – Frank Royse, Jr.
- 2007 – William H. Hunt
- 2008 – L. Frank Brown, Jr.
- 2009 – James D. Lowell
- 2010 – Thomas D. Barrow

## Wallace E. Pratt Memorial Award

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

- 1982 – Roelof J. Murriss
- 1983 – James K. Crouch
- 1984 – William E. Galloway  
David K. Hobda  
Kinji Magara
- 1985 – Carr P. Dishroon, Jr.  
Dave Russell Kingston  
Philip A. Williams
- 1986 – Tod P. Harding
- 1987 – Tod P. Harding
- 1988 – Shankar Mitra
- 1989 – Bernard P. Tissot  
Regis Pelet  
Philippe Ungerer
- 1990 – Charles D. Winker  
Richard T. Buffler
- 1991 – David Richard Dawson Boote  
Robert Bruce Kirk
- 1992 – David Trowbridge Lawrence  
Mark A. Doyle  
Tom Aigner
- 1993 – Gerard J. Demaison  
Bradley J. Huizinga
- 1994 – Kevin T. Biddle  
Wolfgang Schlager  
Kurt W. Rudolph  
Terry L. Bush
- 1995 – Carlos A. Dengo  
Michael C. Corey
- 1996 – Charles Kerans  
F. Jerry Lucia  
Rainer K. Senger
- 1997 – F. Jerry Lucia
- 1998 – Ulisses Thibes Mello  
Garry D. Karner
- 1999 – John W. Robinson  
Peter J. McCabe
- 2000 – Karla E. Tucker  
Paul M. "Mitch" Harris  
Richard C. Nolen-Hoeksema
- 2001 – Robert G. Loucks
- 2002 – John S. Bridge  
Robert S. Tye
- 2003 – Roger J. Barnaby  
Stephen C. Ruppel
- 2004 – Donald S. Stone

- 2005 – Hongliu Zeng  
Charles Kerans
- 2006 – Keith W. Shanley  
Robert M. Cluff  
John W. Robinson
- 2007 – Shankar Mitra  
Gerardo C. Figueroa  
Jesus H. Garcia  
Antonio M. Alvarado
- 2008 – Graham R. Davies  
Langhorne B. Smith, Jr.
- 2009 – Joe Cartwright  
Mads Huuse  
Andrew Aplin
- 2010 – David R. Pyles

## Robert H. Dott, Sr., Memorial Award

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

- 1945 – William E. Wallace
- 1946 – Horace G. Richards
- 1947 – Robert F. Walters
- 1948 – L. L. Sloss  
W. M. Laird
- 1949 – Sherman A. Wengerd
- 1950 – F. M. Swain  
Frank Reedy, Jr.
- 1951 – Walter B. Spangler  
Jahn J. Peterson
- 1952 – Raymond Siever
- 1953 – Donald F. Towse
- 1954 – Charles C. Bates
- 1955 – Paul V. Smith, Jr.
- 1956 – J. Law  
Robert H. Dott, Jr.
- 1957 – Robert H. Parker
- 1958 – John C. Ludwick  
William R. Walton
- 1959 – John M. Andrichuk
- 1960 – Robert L. Folk
- 1961 – Richard W. Fetzner
- 1962 – J. G. C. M. Fuller
- 1963 – P. G. Temple  
L. J. Perry
- 1964 – James M. Forgotsen, Jr.
- 1965 – Harry V. Spooner, Jr.
- 1966 – Dietrich H. Welte
- 1967 – No Recipient
- 1968 – Ghansham D. Sharma
- 1969 – Leo F. LaPorte
- 1970 – Ernst Cloos
- 1971 – Peter Lehner
- 1972 – Hollis D. Hedberg
- 1973 – Mason L. Hill
- 1974 – Rufus J. LeBlanc
- 1975 – Ronald E. Wilcox  
Tod P. Harding  
Donald R. "Don" Seely



1976 – Daniel A. Busch  
 1977 – Edgar W. Owen  
 1978 – Tod P. Harding  
 1979 – Robert M. Mitchum, Jr.  
 Peter R. Vail  
 John B. Sangree  
 1980 – *Bulletin*  
 Brian D. Evamy  
 Jean Haremboure  
 Peter Kamerling  
 William A. Knapp  
 Felix A. Molloy  
 Paul H. Rowlands  
*Special Publication*  
 Peter A. Scholle  
 1981 – *Bulletin*  
 Michael A. Arthur  
 Seymour O. Schlanger  
*Special Publication*  
 Peter A. Scholle  
 1982 – *Special Publication*  
 Robert J. Cordell  
 William H. Roberts, III  
 1983 – Michel T. Halbouty  
 1984 – George B. Asquith  
 1985 – Albert W. Bally  
 1986 – Gerard Demaison  
 Roelof J. Murriss  
 1987 – Orville Roger Berg  
 Donald G. Woolverton  
 1988 – James A. Peterson  
 1989 – Albert W. Bally  
 1990 – Peter A. Ziegler  
 1991 – Anthony J. Tankard  
 Hugh R. Balkwill  
 1992 – John C. Van Wagoner  
 Robert M. Mitchum, Jr.  
 Kirt M. Campion  
 Victor David Rahmanian  
 1993 – Kevin Thomas Biddle  
 1994 – Roger W. Macqueen  
 Dale A. Leckie  
 1995 – Diana Morton-Thompson  
 Arnold M. Woods  
 1996 – Leslie B. Magoon  
 Wallace G. Dow  
 1997 – Anthony Tankard  
 Ramiro Suárez Soruco  
 Herman J. A. Welsink  
 1998 – Martin P. A. Jackson  
 David G. Roberts  
 Sigmund Snelson  
 1999 – Ronald C. Surdam  
 2000 – Ben E. Law  
 Gregory F. Ulmishek  
 Vyacheslav I. Slavin  
 2001 – John F. Jordan  
 Richard A. Schatzinger  
 2002 – Marcio R. Mello  
 Barry J. Katz  
 2003 – Marlan W. Downey  
 William A. Morgan  
 Jack C. Threet  
 2004 – Alan R. Huffman  
 Glenn L. Bowers  
 2005 – Peter A. Scholle  
 Dana S. Ulmer-Scholle

2006 – G. Michael Grammer  
 Gregor P. Eberli  
 Paul M. (Mitch) Harris  
 2007 – Amos Salvador  
 2008 – P. M. (Mitch) Harris  
 L. J. (Jim) Weber  
 2009 – Tor H. Nilsen  
 Roger D. Shew  
 Gary S. Steffens  
 Joseph R. J. Studlick  
 2010 – Stephen P. Cumella  
 Keith W. Shanley  
 Wayne K. Camp

2003 – No recipient  
 2004 – Tobias H. D. Payenberg  
 2005 – No Recipient  
 2006 – No Recipient  
 2007 – No Recipient  
 2008 – Alejandro Escalona  
 2009 – David R. Pyles  
 2010 – David R. Pyles

## George C. Matson Memorial Award

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

1957 – John A. Masters  
 1958 – James W. Gwinn  
 1959 – Daniel A. Busch  
 1960 – Harold W. Owens  
 1961 – Horace D. Thomas  
 1962 – Eric A. Rudd  
 1963 – John Drummond Moody  
 1964 – William R. Muehlberger  
 1965 – Gordon I. Atwater  
 1966 – Lloyd C. Pray  
 1967 – Max G. Pitcher  
 1968 – Charles A. Biggs, Jr.  
 1969 – Arthur A. Meyerhoff  
 1970 – Douglas J. Shearman  
 1971 – H. O. Woodbury  
 1972 – H. E. Cook  
 R. P. Nixon  
 1973 – Leigh C. Price  
 1974 – N. A. Anstey  
 1975 – Leigh C. Price  
 1976 – Curtis C. Humphris, Jr.  
 1977 – Stephen G. Franks  
 1978 – Colin Barker  
 1979 – Philip H. H. Nelson  
 1980 – Robert G. Todd  
 Peter R. Vail  
 1981 – Roger K. McLimans  
 1982 – Colin Barker  
 1983 – Clemont H. Bruce  
 1984 – Thomas J. Schull  
 1985 – Ralph S. Kerr  
 1986 – Lisa M. Pratt  
 1987 – James Francis Dolan  
 1988 – Jon F. Blickwede, Sr.

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

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

1974 – Aston F. Embry III  
 1975 – Clifton F. "Cliff" Jordan, Jr.  
 1976 – Paul Hoffman  
 1977 – W. R. Moore  
 1978 – Myron W. Payne  
 1979 – Peter A. Scholle  
 1980 – Richard S. Bishop  
 1981 – Tim T. Schowalter  
 1982 – Douglas W. Waples  
 1983 – Marc B. Edwards  
 1984 – Judith Totman Parrish  
 1985 – Martin P. A. Jackson  
 Steven J. Seni  
 1986 – Martha O. Withjack  
 Daryl Jill D. Pollock  
 1987 – Stephan Alan Graham  
 Loretta Ann Williams  
 1988 – Shankar Mitra  
 1989 – David W. Houseknecht  
 1990 – Richard John Hubbard  
 1991 – Donald A. Medwedeff  
 1992 – Paul Weimer  
 1993 – Bradford E. Prather  
 1994 – Bradford E. Prather  
 1995 – Robert D. Walters  
 1996 – Isabel Patricia Montañez  
 1997 – Laurel B. Alexander  
 Peter B. Flemings  
 1998 – Scott W. Tinker  
 1999 – Andrew David Hindle  
 2000 – Sebastián Galeazzi  
 2001 – Antony Reynolds  
 2002 – Lesli J. Wood

1989 – Ian E. Hutcheon  
 1990 – Martin P. A. Jackson  
 1991 – Michael D. Lewan  
 1992 – John Richard Underhill  
 1993 – P. Joe Hamilton  
 1994 – Steven G. Henry  
 1995 – Kenneth J. Thies  
 1996 – James P. DiSiena  
 1997 – Mark B. Allen  
 1998 – Joachim E. Amthor  
 1999 – Martha Oliver Withjack  
 2000 – Wafik Beydoun  
 2002 – Henry W. Posamentier  
 2003 – Mark Cooper  
     Richard G. Harris  
 2004 – Frank J. Peel  
 2005 – Marian J. Warren  
 2006 – Michael R. Hudec  
 2007 – Steven H. Brachman  
 2008 – Cathy L. Farmer  
 2009 – Mark Knackstedt  
 2010 – Barbara J. Tilley

**George C. Matson Memorial Award  
 Top 10 Oral Presenters at the  
 2009 Annual Meeting  
 in Denver, CO**

**Barbara Tilley**

Pradeep Bhatnagar  
 Scott McLellan  
 Bob Quartero  
 Byron Veilleux  
 Karlis Muehlenbachs

**Charles Bartberger**

Ira Pasternack

**Michael Johnson**

**Michael Pinnell**

**Louis M. Liro**

Rome Lytton  
 Steve Holdaway  
 Thomas Carlson  
 Daniel Loera  
 Tyler Hannah

**Brian Richter**

Scott A. Haberman

**Gary Parker**

Jorge D. Abad  
 Octavio Sequeiros  
 Benoit Spinewine  
 Marcelo Garcia  
 Gary Parker

**Eric Erslev**

**Peter Hennings**

Jason McLennan  
 Tricia Allwardt

**William L. Soroka**

Christian J. Strohmenger  
 Taha Al-Dayyani

**Nigel E. Cross**

Alan Cunningham  
 Robert J. Cook  
 Amal Taha  
 Eslam Esmaie  
 Nasar El Swidan

**Jules Braunstein  
 Memorial Award**

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

1984 – Dale S. Sawyer  
 1985 – Richardson B. Allen  
     Jeffrey Feehan  
     Jeff Gernand  
     Miguel Giraut  
     Bruce H. Nickelsen  
 1986 – John R. Suter  
     Henry R. Berryhill  
 1987 – Alan Ronald Daly  
     Janell Diane Edman  
 1988 – John C. Lorenz  
     Sharon J. Finley  
     David I. Norman  
 1989 – Alan C. Kendall  
     Gill M. Harwood  
 1990 – L. M. "Mike" Grace  
     Paul Edwin Potter  
     R. Gordon Pirie  
 1991 – Kate S. Weissenburger  
 1992 – Erik R. Lundin  
 1993 – Jesús Maguregui Solaguren  
 1994 – Rob B. Leslie  
 1995 – John R. Sutter  
     Kevin M. Bohacs  
 1996 – Cynthia L. Blankenship  
     Douglas A. Stauber  
     David S. Epps  
     Chuck Guderjahn  
     John D. Oldroyd  
 1997 – James C. Niemann  
 1998 – Hege Mait Nordgård Bølas  
     Christian Hermanrud  
     Eirik Vik  
     Britta Paasch  
 1999 – Eloise Doherty  
     Stephen E. Laubach  
 2000 – Brad E. Prather  
     Joseph R. Straccia  
 2002 – Martin K. Dubois  
     Alan P. Byrnes  
     W. Lynn Watney  
 2003 – Vitor Dos Santos Abreu  
     Thomas David De Brock  
     Kendall Meyers  
     Dag Nummedal  
     Steven L. Pierce  
     William A. Spears  
 2004 – Alan P. Byrnes  
     Martin K. Dubois  
     Evan K. Franseen  
     W. Lynn Watney

2005 – Mark Allen  
     Eric J-P. Blanc  
     Clare Davies  
     Adrian Heafford  
     Robert A. Scott  
     Stephen J. Vincent  
 2006 – Hege Marit Nordgård Bølas  
     Christian Hermanrud  
     Gunn Mari Grimsmo Teige  
 2007 – George W. Shurr  
     Thomas N. Haggard  
     Sarah A. Chadima  
 2008 – Jose I. Guzman  
     Rod Sloan  
     Shengyu Wu  
     Shaoqing Sun  
 2009 – Tim Dooley  
     Michael Hudec  
     Martin Jackson  
 2010 – Nikki Hemmesch  
     Nicholas B. Harris

**Jules Braunstein Memorial Award  
 Top 10 Poster Presenters at the  
 2009 Annual Meeting  
 in Denver, Co**

Nikki T. Hemmesch  
 Nicholas B. Harris  
 Peter Schwans  
 Theodore C. Lukas  
 Martin Cohen  
 Kim Zauderer  
 Scott D. Bird  
 Francois Hindlet  
 Michael R. Gross  
 Tim P. Dooley  
 Martin Jackson  
 Michael R. Hudec  
 Charles F. Kluth  
 Jason Lilligraven  
 Arthur Snoko  
 Edward Sterne  
 Matthew J. Corbett  
 Christopher Fielding  
 Satinder Chopra  
 Kurt J. Marfurt  
 R. W. Arnott  
 Zishann Khan  
 Lilian Navarro  
 Edyta Frankowicz  
 Ken McClay  
 David J. Moy  
 Jonathan Imber  
 David Ellis  
 Joseph W. Gallagher  
 Charles H. Smith  
 John C. Brinska  
 Sandeep Ramakrishna  
 Paul Weimer  
 Chunju Huang  
 Benjamin Herber  
 Roger Barton  
 Shu Jiang  
 Stan Hammon

## Geosciences in the Media Award

*Geosciences in the Media Award (formerly Journalism Award) is given each year to a person in recognition of notable journalistic achievement in any medium which contributes to public understanding of geology, energy resources, or the technology of oil and gas exploration. The recipient need not be a member of the Association.*

- 1972 – James A. Clark
- 1973 – No Recipient
- 1974 – Max B. Skelton
- 1975 – William D. Smith
- 1976 – No Recipient
- 1977 – Philip H. Abelson
- 1978 – No Recipient
- 1979 – No Recipient
- 1980 – Walter Sullivan
- 1981 – No Recipient
- 1982 – John McPhee
- 1983 – Ron Redfern
- 1984 – James A. Michener
- 1985 – No Recipient
- 1986 – David Attenborough  
Richard Gore
- 1987 – John McPhee
- 1988 – No Recipient
- 1989 – Horst Heise  
Stephen Schwochow
- 1990 – William Rintoul
- 1991 – Robert T. Bakker
- 1992 – Richard F. “Rick” Williamson  
Daniel Yergin
- 1993 – Stephen Jay Gould
- 1994 – John R. Horner
- 1995 – Wallace R. Hansen
- 1996 – Lee C. Gerhard  
Linda Davis Harrar
- 1997 – Donald L. Baars  
John Paul Pitts
- 1998 – Walter Alvarez
- 1999 – Sarah Andrews
- 2000 – Walter Youngquist
- 2001 – Mountain Press
- 2002 – No Recipient
- 2003 – Ron Redfern  
Simon Winchester
- 2004 – Halfdan Carstens  
Halka Chronic
- 2005 – Bill Bryson
- 2006 – Michael Crichton
- 2007 – Michael J. Economides
- 2008 – Tyler Priest
- 2009 – No Recipient
- 2010 – No Recipient

## 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. Sediwy**  
Ralph Burwood  
Gary A. Cole  
Richard J. Drozd  
Henry I. Halpern
- 1985 – **Helen M. Sestak**
- 1986 – **Karen Rose Concione**
- 1987 – **Brian D. Keith**
- 1988 – **Richard Smosna**  
J. M. Conrad  
T. C. Maxwell
- 1989 – **Dennis R. Swager**  
Neil F. Hurley
- 1990 – **Bruce V. Sanford**  
A. C. Grant
- 1991 – **James W. Castle**
- 1992 – **Lisa K. Goetz**  
J. Gary Tyler  
Roger L. Macarevich  
David L. Brewster  
Jagadeesh R. Sonnad
- 1993 – **Robert E. Davis**
- 1994 – **Stephen F. Nowacxewski**
- 1995 – **Nicholas B. Harris**
- 1996 – **James A. Drahovzal**
- 1997 – **Robert Marc Bustin**  
C. R. Clarkson

- 1998 – **T. Joshua Stark**  
Lawrence H. Wickstrom
  - 1999 – **David G. Morse**
  - 2000 – **John R. Hogg**
  - 2001 – **James A. Drahovzal**  
Lawrence H. Wickstrom  
Timothy R. Carr  
John A. Rupp  
Beverly Seyler  
Scott W. White
  - 2002 – **Albert S. Wylie, Jr.**
  - 2003 – **Langhorne B. (Taury) Smith**  
Richard Nyahay
  - 2004 – **Langhorne B. (Taury) Smith**  
Richard Nyahay
  - 2005 – **J. Fred Read**
  - 2006 – **Frank R. Ettensohn**
  - 2007 – **Frank R. Ettensohn**
  - 2008 – **Langhorne B. (Taury) Smith**
  - 2009 – **Stephen T. Whitaker**  
Bruce Schonert  
Jon Brenizer  
Bryan Clayton
- ### Gulf Coast Section
- 1966 – **B. J. Sloane, Jr.**
  - 1967 – **Hunter Yarborough, Jr.**
  - 1968 – **John D. Myers**
  - 1969 – **James K. Rogers**
  - 1970 – **John J. Amoroso**
  - 1971 – **Hunter Yarborough, Jr.**
  - 1972 – **Robert R. Berg**
  - 1973 – **James M. Coleman**  
L. D. Wright
  - 1974 – **Donald H. Kupfer**
  - 1975 – **John D. Myers**
  - 1976 – **Arthur R. Troell**  
J. D. Robinson
  - 1977 – **David K. Davies**  
William R. Almon
  - 1978 – **Charles T. Siemers**
  - 1979 – **Robert R. Berg**
  - 1980 – **Ernest A. Mancini**
  - 1981 – **Edward C. Roy, Jr.**  
Mark Eidelbach  
Nancy Trumbly
  - 1982 – **Thomas E. Ewing**  
S. Christopher Caran
  - 1983 – **John W. Cagle**  
M. Ali Khan
  - 1984 – **Gary L. Kinsland**
  - 1985 – **William E. Galloway**
  - 1986 – **Shirley P. Dutton**
  - 1987 – **Shirley P. Dutton**  
Robert J. Finley  
Karen L. Herrington
  - 1988 – **Ian Lerche**  
John J. O'Brien
  - 1989 – **Peter J. Hutchinson**
  - 1990 – **Michael P. Prescott**
  - 1991 – **Andrew J. Davidoff**
  - 1992 – **Harry H. Roberts**  
Douglas J. Cook  
Mark K. Sheedlo
  - 1993 – **Wayne Carew**  
Glenn L. Krum  
Paul F. Ostendorf

- 1994 – **John A. Rhodes**  
 1995 – **Mary J. Broussard**  
 Brian E. Lock  
 1996 – **David J. Hall**  
 1997 – **Brad A. Robison**  
 Roco Detomo, Jr.  
 R. David Garner  
 Arie Speksnijder  
 Michael J. Styzen  
 1998 – **Thomas E. Ewing**  
 1999 – **William C. Dawson**  
 William R. Almon  
 2000 – **Fuping Zhu**  
 Richard L. Gibson, Jr.  
 Joel S. Watkins  
 Sung H. Yuh  
 2001 – **Kevin B. Hill**  
 2002 – **Steven T. Knapp**  
 2003 – **William A. Ambrose**  
 Juan Alvarado  
 Mario Aranda  
 L. F. Brown, Jr.  
 J. C. Flores  
 Khaled Fouad  
 Edgar Guevara  
 Ulises Hernandez  
 David C. Jennette  
 Gerardo Lopez  
 Eduardo Macias  
 Shinichi Sakurai  
 F. Sanchez  
 Daniel Velez  
 Tim Wawrzyniec  
 2004 – **Roger A. Young**  
 Robert D. LoPiccolo  
 2005 – No Recipient  
 2006 – **Mary L. Barrett**  
 John P. Goodson, Jr.  
 2007 – **Angela McDonnell**  
 Mike Hudec  
 Martin P. A. Jackson  
 2009 – **John B. Wagner**

#### Mid-Continent Section (Biennial Meetings)

- 1967 – **Philip C. Withrow**  
 1969 – **Thomas R. Cambridge**  
 1971 – **Terrence J. Donovan**  
 1973 – **Thomas W. Amsden**  
 1975 – **W. J. Ebanks, Jr.**  
 1977 – **D. W. Stearns**  
 1979 – **Donald C. Swanson**  
 1981 – **David W. Houseknecht**  
 Anthony T. Iannacchione  
 Mark A. Kuhn  
 Albert P. Matteo  
 David J. Steyaert  
 John F. Zaengle  
 1983 – **David Gagliardo**  
 1985 – **J. Reed Lyday**  
 1987 – **David W. Houseknecht**  
 Lori A. Hathon  
 1989 – **Edward D. Pittman**  
 Laura L. Wray  
 1991 – **William A. Miller**  
 Gregory L. Brown

- Emily M. Hundley-Goff  
 Steven L. Veal  
 1993 – **Robert J. Weimer**  
 1995 – **R. Nowell Donovan**  
 1997 – **Jerry G. McCaskill, Jr.**  
 1999 – **Kenneth S. Johnson**  
 2001 – **Michael Bruemmer**  
 Monica Turner-Williams  
 Wan Yang  
 2003 – **Allen K. Chamberlain**  
 2005 – **Raymond P. Sorenson**  
 2007 – **Timothy R. Carr**  
 D. F. Merriam  
 2009 – **Shane Matson**

#### Pacific Section

- 1968 – **David W. Scholl**  
 David M. Hopkins  
 H. Gary Greene  
 Edwin E. Buffington  
 1969 – **Robert F. Dill**  
 1970 – **John W. Harbaugh**  
 1971 – No Recipient  
 1972 – **M. Keith Scribner**  
 Stanford Eschner  
 1973 – No Recipient  
 1974 – **John A. Minch**  
 1975 – **David R. Butler**  
 1976 – **D. L. Ziegler**  
 John H. Spotts  
 1977 – **David W. Scholl**  
 Alan K. Cooper  
 1978 – **William R. Dickinson**  
 Alan K. Cooper  
 1978 – **William R. Dickinson**  
 Raymond V. Ingersoll  
 1979 – **C. Elizabeth Koch**  
 1980 – **Lee F. Krystinik**  
 1981 – No Recipient  
 1982 – **Margaret A. Keller**  
 1983 – **Richard P. Thomas**  
 1984 – **John N. Thomson**  
 Richard G. Blake  
 Richard W. Boyd  
 1985 – **Ronald C. Crane**  
 1986 – **R. E. Chamberlain**  
 Victor M. Madrid  
 1987 – No Recipient  
 1988 – **James C. Ingle, Jr.**  
 1989 – **Donald D. Miller**  
 Thomas E. Covington  
 John G. McPherson  
 1990 – No Recipient  
 1991 – **John M. Lohmar**  
 Scott R. Morgan  
 1992 – **Donald A. Medwedeff**  
 Joseph T. C. Lin  
 Timothy R. Carr  
 John M. Stafford  
 1993 – **Robert A. Horton, Jr.**  
 1994 – **Michael D. Campbell**  
 Walter E. Reed  
 1995 – **Ronald C. Crane**  
 1996 – No Recipient  
 1997 – **Joseph A. Nahama**  
 Rod Nahama

- 1998 – **Michael F. Ponek**  
 A. G. Mathews  
 1999 – **Brian J. Casey**  
 2000 – **Dalton F. Lockman**  
 Philip Cervený  
 Dana Coffield  
 Russell Davies  
 Graham Dudley  
 Richard Fox  
 Rop Knipe  
 Robert Krantz  
 Stephen Lewis  
 2001 – **Michael J. Richey**  
 2002 – **H. W. Swan**  
 2003 – **Morgan D. Sullivan**  
 2004 – **Michael S. Clarke**  
 Dale Julander  
 Tom Zalan  
 2005 – **Jacob A. Covault**  
 Stephen A. Graham  
 William R. Normack  
 2006 – No Recipient  
 2007 – No Recipient  
 2008 – **Scott T. Hector**  
 Mike Johns  
 Brian Cunningham  
 2009 – **Timothy R. McHargue**  
 Julian Clark  
 Andrea Fildani  
 Marjorie Levy  
 Brian Romans  
 Jacob Covault  
 Morgan Sullivan  
 Michael Pyrcz  
 Henry Posamentier

#### Rocky Mountain Section

- 1966 – **Lloyd C. Pray**  
 Philip W. Choquette  
 1967 – **Frank A. Exum**  
 John C. Harms  
 1968 – No Recipient  
 1969 – **James E. Fassett**  
 1970 – No Recipient  
 1971 – **Richard W. Volk**  
 1972 – **Robert J. Weimer**  
 1973 – **Esther R. Jamieson Magathan**  
**Lyle A. Hale**  
 1974 – **Fred Meissner**  
 1975 – **Donald E. Owen**  
 1976 – **John P. Lockridge**  
 1977 – **William E. Galloway**  
 1978 – **Randi S. Martinsen**  
 R. W. Tillman  
 1979 – **Henry W. Roehler**  
 1980 – **Norman H. Foster**  
 Edward D. Dolly  
 1981 – **Charles W. Spencer**  
 Ben E. Law  
 1982 – **Mark W. Longman**  
 Thomas G. Fertal  
 James S. Glennie  
 1983 – **James R. Steidtmann**  
 Linda C. McGee  
 Larry Middleton

- 1984 – **Gary C. Mitchell**  
 1985 – **Robbie R. Gries**  
 1986 – **Thomas A. Ryer**  
 Edmund R. Gustason  
 Sarah K. Odland  
 1987 – **Alan K. Chamberlain**  
 1988 – **Jerry L. Clayton**  
 J. David King  
 Joel S. Leventhal  
 Carlos M. Lubeck  
 Ted A. Daws  
 1989 – **Edmund R. Gustason**  
 1990 – **John C. Lorenz**  
 1991 – **Michael L. Hendricks**  
 1992 – **Arnold Wood**  
 1993 – **Eric H. Johnson**  
 1994 – No Recipient  
 1995 – **Thomas A. Ryer**  
 Paul B. Anderson  
 1996 – **Michael L. Hendricks**  
 1997 – **Lawrence A. McPeck**  
 George E. Newman  
 M. Ray Thomasson  
 1998 – **No Recipient**  
 1999 – **Kurt N. Constenius**  
 2000 – **Laird B. Thompson**  
 Peter H. Hennings  
 2001 – No Recipient  
 2002 – **David R. Pyles**  
 2003 – No Recipient  
 2004 – **Robert A. Lamarre**  
 Stephen K. Ruhl  
 2005 – **Glenn Ulrich**  
 Roland De Bruyn  
 Mark Finkelstein  
 2006 – **Geoff D. Thyne**  
 2007 – **Vincent G. Rigatti**  
 Tony LeFevre  
 Richard Newhort  
 Kimberly Kaiser  
 Scott Goodwin  
 Robert Parney  
 2008 – **Rex D. Cole**  
 Matthew J. Pranter  
 2009 – **No Recipient**

#### Southwest Section

- 1968 – **Donald C. Swanson**  
 1969 – **Karl W. Klement**  
 1970 – **Edward R. Tegland**  
 1971 – **Daniel A. Busch**  
 1972 – **Orville L. Bandy**  
 1973 – **John J. Amoroso**  
 1974 – **Ralph L. Horak**  
 1975 – No Recipient  
 1976 – **Robert R. Berg**  
 M. H. Mitchell  
 1977 – **Clayton S. Valder, Jr.**  
 1978 – **Stephen E. Collings**  
 1979 – **James O. Lewis**  
 1980 – **David Austin Jones**  
 Jack H. Kelsey  
 1981 – **Naresh Kumar**  
 Jack Dolph Foster  
 1982 – **Craig D. Caldwell**  
 John P. Hobson, Jr.

- Donald F. Toomey  
 1983 – **S. J. Mazzullo**  
 1984 – **Dean C. Hamilton**  
 1985 – **Robert Berg**  
 John T. Leethem  
 1986 – **S. J. Mazzullo**  
 Alastair M. Reid, II  
 Sue Tomlinson Reid  
 1987 – **Edwin Pinero**  
 Ronald D. Kreisa  
 1988 – **Terence L. Britt**  
 1989 – **John L. Thoma**  
 1990 – **Louis J. Mazzullo**  
 1991 – **Arthur W. Cleaves**  
 1992 – **J. F. "Rick" Sarg**  
 1993 – **David Childers**  
 Mark W. Shuster  
 1994 – **Salvatore J. Mazzullo**  
 1995 – **John M. Armentrout**  
 1996 – **George B. Asquith**  
 1997 – **Donald C. Swanson**  
 1998 – **Greg A. Norman**  
 1999 – **Louis J. Mazzullo**  
 2000 – **Shirley P. Dutton**  
 Mark D. Barton  
 William A. Flanders  
 Helena H. Hirczy  
 2001 – **Bob A. Hardage**  
 2002 – **Ron F. Broadhead**  
 2003 – **Russel K. Davies**  
 Jimmy D. Thomas  
 2004 – **Eugene Rankey**  
 2005 – **Daniel M. Jarvis**  
 Ronald J. Hill  
 Richard M. Pollastro  
 2006 – **Robert G. Loucks**  
 Stephen C. Ruppel  
 2007 – Alton A. Brown  
 2008 – Rick Turner  
 2009 – Lyn Canter

## Gabriel Dengo Memorial Award

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

- 1991 – Frank J. Picha  
 1992 – P. Joe Hamilton  
 1993 – Chris Clayton  
 1994 – John Van Wagoner  
 1995 – Martin Schoell  
 1996 – John O'Leary  
 1997 – Peter R. Rose  
 1998 – Kevin M. Bohacs  
 1999 – Rob J. Knipe

- 2000 – Alfredo E. Prelat  
 2001 – No Recipient  
 2002 – Robert F. Marten  
 James A. Keggin  
 2003 – Roy C. Davies  
 Ron Boyd  
 John Howell  
 2004 – José Alejandro Luquez  
 2005 – Marek Kacewicz  
 2006 – Dale A. Leckie  
 2007 – No Conference  
 2008 – Charles Kerans  
 2009 – Pedro V. Zalán  
 Maria do Carmo G. Severino  
 João Alberto B. Oliveira  
 Luciano P. Magnavita  
 Webster U. Mohriak  
 Rogério C. Gontijo  
 Adriano R. Viana  
 Peter Sztatmari

## Ziad Beydoun Memorial Award

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

- 1991 – A. Ewan Campbell  
 Jan Stafleu  
 1992 – John M. Armentrout  
 Lei-KuangLeu  
 Jorge J. Faz  
 1993 – Richard Wrigley  
 1994 – Zainuddin Yusoff  
 1995 – Claude Guyot  
 Andre Coajou  
 A. Ribeiro  
 1996 – Leon J. Aden  
 Robert E. Bierley  
 1997 – Rémi Eschard  
 Olivier Lerat  
 Didier Granjeon  
 Brigitte Doligez  
 Guy Desaubliaux  
 François Lafont  
 1998 – Stanley T. Paxton  
 Gary C. Stone  
 Barbara L. Faulkner  
 1999 – Joseph M. Finneran  
 Yatindranath Keith Bally  
 2000 – Richard Hillis  
 2001 – No Recipient  
 2002 – Philip D. Heppard  
 Daniel Ebrom  
 Michael Mueller  
 Leon Thomsen  
 Toby Harrold

- 2003 – Tore M. Loseth  
Ole J. Martinsen  
Jan C. Rivenaes  
Kristian Soegaard  
John Thurmond
- 2004 – Richard H. Fillon  
Harry H. Roberts
- 2005 – Denis Marchal  
Jean-Marc Daniel  
Misael Alvear
- 2006 – Jonny Wu  
Ken McClay  
Paul Whitehouse
- 2008 – George Pemberton  
Murrays Gingras  
James MacEachern
- 2009 – Paul Markwick  
Mohamed Raddadi  
Lauren Raynham  
Steve Tomlinson  
Emma Edgcombe  
Dennis Rowland  
Robert Bailiff  
Amanda Galsworthy  
Neil Wrobel

## 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

## Foundation Chairman's Award

*The AAPG Foundation Chairman's Award is given to recognize persons who have made extraordinary contributions (monetary or service) to the AAPG Foundation, and also to call attention to the role and value of the Foundation.*

- 1999 – Michel T. Halbouty
- 2000 – L. Austin Weeks
- 2001 – James E. Wilson
- 2002 – Merrill W. Haas
- 2003 – Hugh Looney
- 2004 – Lawrence W. Funkhouser
- 2005 – Fred A. Dix, Jr.
- 2006 – Robert W. Esser
- 2007 – Eugene F. Reid
- 2008 – Jack C. Threet
- 2009 – John W. Shelton
- 2010 – David Scott Holland

## Teacher of the Year Award

*The Teacher of the Year Award is given to a K–12 teacher for "Excellence in the Teaching of Natural Resources in the Earth Sciences." Nominations are submitted by AAPG Affiliated Societies and Sections, with the final selection made by a subcommittee of the AAPG Youth Education Activities Committee. Funded by the AAPG Foundation, the winning teacher's school is given \$2,500 for the teacher's use in the classroom, and the teacher also receives \$2,500 cash, plus an expense paid trip to the next AAPG Annual Meeting to receive the award.*

- 1996 – Jane Justus Frazier
- 1997 – No Recipient
- 1998 – No Recipient
- 1999 – Herbert L. Turner
- 2000 – Peggy Lubchenco
- 2001 – John McKinney
- 2002 – Kevin Leineweber
- 2003 – Amy J. John
- 2004 – Michael Phillipow
- 2005 – Marilyn Bachman
- 2006 – James G. Schulz
- 2007 – Ryan Henry
- 2008 – Mary Fitts
- 2009 – Ty Robinson
- 2010 – L. Stef Paramoure

# AAPG Executive Committees

| Term    | President              | Vice President         | Secretary-Treasurer     | Editor                 |
|---------|------------------------|------------------------|-------------------------|------------------------|
| 1917-18 | J. Elmer Thomas*       | Alexander Deussen*     | Maurice G. Mehl*        | Charles H. Taylor*     |
| 1918-19 | Alexander Deussen*     | I. C. White*           | William E. Wrather*     | Charles H. Taylor      |
| 1919-20 | I. C. White*           | Irving Perrine*        | Charles E. Decker*      | Charles H. Taylor      |
| 1920-21 | Wallace E. Pratt*      | Alex W. McCoy*         | Charles E. Decker       | Raymond C. Moore*      |
| 1921-22 | George C. Matson*      | George C. Gester*      | Charles E. Decker       | Raymond C. Moore       |
| 1922-23 | William E. Wrather*    | Max W. Ball*           | Charles E. Decker       | Raymond C. Moore       |
| 1923-24 | Max W. Ball*           | Frank W. DeWolf*       | Charles E. Decker       | Raymond C. Moore       |
| 1924-25 | James H. Gardner*      | Earl G. Gaylord*       | Charles E. Decker       | Raymond C. Moore       |
| 1925-26 | E. L. DeGolyer*        | R. S. McFarland*       | Charles E. Decker       | Raymond C. Moore       |
| 1926-27 | Alex W. McCoy*         | C. R. McCollom*        | Fritz L. Aurin*         | John L. Rich*          |
| 1927-28 | George C. Gester*      | Luther H. White*       | David Donoghue*         | John L. Rich           |
| 1928-29 | R. S. McFarland*       | John E. Elliott*       | David Donoghue          | John L. Rich           |
| 1929-30 | J. Y. Snyder*          | Fred H. Kay*           | A. Rodger Denison*      | Frederic H. Lahee*     |
| 1930-31 | Sidney Powers*         | Ralph D. Reed*         | Marvin Lee*             | Frederic H. Lahee      |
| 1931-32 | L. P. Garrett*         | L. Courtney Decius*    | Frank R. Clark*         | Frederic H. Lahee      |
| 1932-33 | Frederic H. Lahee*     | Robert J. Riggs*       | William B. Heroy, Sr.*  | Ralph D. Reed*         |
| 1933-34 | Frank R. Clark*        | George Sawtelle*       | William B. Heroy, Sr.   | Luther C. Snider*      |
| 1934-35 | William B. Heroy, Sr.* | E. B. Hopkins*         | Monroe G. Cheney*       | Luther C. Snider       |
| 1935-36 | A. I. Levorsen*        | Frank A. Morgan*       | E. C. Moncrief*         | Luther C. Snider       |
| 1936-37 | Ralph D. Reed*         | C. E. Dobbins*         | Charles H. Row*         | Luther C. Snider       |
| 1937-38 | Herbert B. Fuqua*      | Clarence E. Moody*     | Ira H. Cram, Sr.*       | W. A. Ver Wiebe*       |
| 1938-39 | Donald C. Barton*      | Harold W. Hoots*       | Ira H. Cram, Sr.        | W. A. Ver Wiebe        |
| 1939-40 | Henry A. Ley*          | L. M. Neumann*         | Edgar W. Owen*          | W. A. Ver Wiebe        |
| 1940-41 | Luther C. Snider*      | John M. Vetter*        | Edgar W. Owen           | W. A. Ver Wiebe        |
| 1941-42 | Edgar W. Owen*         | Earl B. Noble*         | E. O. Markham*          | W. A. Ver Wiebe        |
| 1942-43 | Fritz L. Aurin*        | Paul Weaver*           | E. O. Markham           | W. A. Ver Wiebe        |
| 1943-44 | A. Rodger Denison*     | Robert W. Clark*       | Robert E. Rettger*      | Carey Croneis*         |
| 1944-45 | Ira H. Cram, Sr.*      | Warren B. Weeks*       | Robert E. Rettger       | Gayle Scott*           |
| 1945-46 | Monroe G. Cheney*      | M. Gordon Gulley*      | Edward A. Koester*      | Gayle Scott            |
| 1946-47 | Earl B. Noble*         | D. Perry Olcott*       | Edward A. Koester       | Gayle Scott            |
| 1947-48 | C. E. Dobbins*         | George S. Buchanan*    | J. V. Howell*           | Clarence L. Moody*     |
| 1948-49 | Paul Weaver*           | Roy M. Barnes*         | J. V. Howell            | Clarence L. Moody      |
| 1949-50 | C. W. Tomlinson*       | Theodore A. Link*      | Henry N. Toler*         | Alfred H. Bell*        |
| 1950-51 | Clarence L. Moody*     | John E. Adams*         | Henry N. Toler          | Alfred H. Bell         |
| 1951-52 | Frank A. Morgan*       | Lewis G. Weeks*        | Robert H. Dott, Sr.*    | Kenneth K. Landes*     |
| 1952-53 | Morgan J. Davis, Sr.*  | John G. Bartram*       | John W. Clark*          | Kenneth K. Landes      |
| 1953-54 | John E. Adams*         | Leslie M. Clark*       | Elliott H. Powers*      | Armand J. Eardley*     |
| 1954-55 | Edward A. Koester*     | Graham B. Moody*       | Elliott H. Powers       | Armand J. Eardley      |
| 1955-56 | G. Moses Knebel*       | Horace D. Thomas*      | W. A. Waldschmidt*      | William C. Krumbein*   |
| 1956-57 | Theodore A. Link*      | Ben H. Parker*         | W. A. Waldschmidt       | William C. Krumbein    |
| 1957-58 | Graham B. Moody*       | B. Warren Beebe*       | William J. Hilsseweck*  | Sherman A. Wengerd*    |
| 1958-59 | George S. Buchanan*    | Gordon I. Atwater*     | Harold T. Morley*       | Sherman A. Wengerd     |
| 1959-60 | Lewis G. Weeks*        | Alfred H. Bell*        | Harold T. Morley        | Grover E. Murray*      |
| 1960-61 | Ben H. Parker*         | Frank B. Conselman*    | George V. Cohee*        | Grover E. Murray       |
| 1961-62 | Mason L. Hill*         | J. Ben Carsey*         | George V. Cohee         | Grover E. Murray       |
| 1962-63 | Robert E. Rettger*     | Orlo E. Childs*        | Robert E. King*         | Grover E. Murray       |
| 1963-64 | John C. Sproule*       | Thomas H. Philpott*    | Robert E. King          | John C. Hazard*        |
| 1964-65 | Grover E. Murray*      | William H. Curry, Jr.* | George C. Hardin, Jr.*  | John C. Hazard         |
| 1965-66 | Orlo E. Childs*        | John M. Parker*        | George C. Hardin, Jr.   | John C. Hazard         |
| 1966-67 | Michel T. Halbouty*    | Daniel A. Busch*       | John D. Moody*          | John C. Hazard         |
| 1967-68 | J. Ben Carsey*         | Eduardo J. Guzman*     | John D. Moody           | John D. Haun           |
| 1968-69 | Frank B. Conselman*    | John E. Kilkenny*      | James M. Forgotson, Jr. | John D. Haun           |
| 1969-70 | Kenneth H. Crandall*   | Willis G. Meyer*       | James M. Forgotson, Jr. | John D. Haun           |
| Term    | President              | Vice President         | President-Elect         | Secretary              |
| 1970-71 | William H. Curry, Jr.* | J. M. Browning*        | Sherman A. Wengerd*     | James R. Jackson, Jr.* |
| 1971-72 | Sherman A. Wengerd*    | John A. Taylor         | James E. Wilson, Jr.*   | Ted L. Bear*           |

\*Deceased

| <b>Term</b> | <b>President</b>           | <b>Vice President</b>   | <b>President-Elect</b>     | <b>Secretary</b>           |
|-------------|----------------------------|-------------------------|----------------------------|----------------------------|
| 1972-73     | James E. Wilson, Jr.*      | Samuel P. Ellison, Jr.* | Daniel A. Busch*           | Ted L. Bear*               |
| 1973-74     | Daniel A. Busch*           | August Goldstein, Jr.*  | Merrill W. Haas*           | Bernold M. "Bruno" Hanson* |
| 1974-75     | Merrill W. Haas*           | Duncan A. McNaughton*   | John E. Kilkeny*           | Bernold M. "Bruno" Hanson  |
| 1975-76     | John E. Kilkeny*           | Frank C. Crawford*      | John D. Moody*             | Robey H. Clark*            |
| 1976-77     | John D. Moody*             | Ralph L. Miller*        | Edd R. Turner*             | Robey H. Clark             |
| 1977-78     | Edd R. Turner*             | Edwin P. Kerr           | Robert D. Gunn             | John J. Amoruso            |
| 1978-79     | Robert D. Gunn             | Thomas D. Barber*       | John D. Haun               | John J. Amoruso            |
| 1979-80     | John D. Haun               | D. Keith Murray         | Robey H. Clark*            | Donald R. Boyd*            |
| 1980-81     | Robey H. Clark*            | Eugene F. Reid*         | Frank W. Harrison, Jr.     | Donald R. Boyd             |
| 1981-82     | Frank W. Harrison, Jr.     | John L. Severson*       | John M. Parker*            | James A. Hartman           |
| 1982-83     | John M. Parker*            | John P. Lockridge       | John J. Amoruso            | James A. Hartman           |
| 1983-84     | John J. Amoruso            | Robert D. Cowdery       | Ted L. Bear*               | James A. Gibbs             |
| 1984-85     | Ted L. Bear*               | Gerald M. Friedman      | William L. Fisher          | James A. Gibbs             |
| 1985-86     | William L. Fisher          | Clemon H. Bruce*        | Bernold M. "Bruno" Hanson* | Richard R. Bloomer*        |
| 1986-87     | Bernold M. "Bruno" Hanson* | James M. Forgotson, Jr. | Lawrence W. Funkhouser     | Richard R. Bloomer         |
| 1987-88     | Lawrence W. Funkhouser     | Jerome J. C. Ingels     | Norman H. Foster*          | Michael E. Hriskevich      |
| 1988-89     | Norman H. Foster*          | John W. Shelton         | James O. Lewis, Jr.*       | Michael E. Hriskevich      |
| 1989-90     | James O. Lewis, Jr.*       | John W. Harbaugh        | James A. Gibbs             | Arthur M. Van Tyne         |
| 1990-91     | James A. Gibbs             | David G. Campbell       | Robert J. Weimer           | Arthur M. Van Tyne         |
| 1991-92     | Robert J. Weimer           | Donald W. Axford*       | Harrison L. Townes         | Richard S. Bishop          |
| 1992-93     | Harrison L. Townes         | Donald L. Ziegler       | Don F. Tobin               | Richard S. Bishop          |
| 1993-94     | Don F. Tobin               | Robert G. Lindblom      | A. T. "Toby" Carleton      | G. Warfield Hobbs          |
| 1994-95     | A. T. "Toby" Carleton      | Stewart Chuber          | Eugene F. "Bud" Reid*      | G. Warfield Hobbs          |
| 1995-96     | E. F. "Bud" Reid*          | Stephen A. Sonnenberg   | Robert D. Cowdery          | Robert D. Cowdery          |
| 1996-97     | Robert D. Cowdery          | David A. L. Jenkins     | Edward K. David            | Robbie Gries               |
| 1997-98     | Edward K. David            | Roy D. Nurmi            | Richard S. Bishop          | Elizabeth B. Campen        |
| 1998-99     | Richard S. Bishop          | Martha Lou Broussard    | M. Ray Thomasson           | Elizabeth B. Campen        |
| 1999-00     | M. Ray Thomasson           | Carl J. Smith           | Marlan W. Downey           | Charles R. Noll            |
| 2000-01     | Marlan W. Downey           | Ronald A. Nelson        | Robbie Rice Gries          | Charles R. Noll            |
| 2001-02     | Robbie R. Gries            | Donald W. Lewis         | Daniel L. Smith            | Charles J. Mankin          |
| 2002-03     | Dan L. Smith               | Peter M. Lloyd          | Stephen A. Sonnenberg      | Charles J. Mankin          |
| 2003-04     | Stephen A. Sonnenberg      | Erik P. Mason*          | Patrick J. F. Gratton      | Robert L. Countryman       |
| 2004-05     | Patrick J. F. Gratton      | Neil F. Hurley          | Peter R. Rose              | Robert L. Countryman       |
| 2005-06     | Peter R. Rose              | Steven L. Veal          | Lee T. Billingsley         | J. Michael Party           |
| 2006-07     | Lee T. Billingsley         | John C. Dolson          | Willard R. Green           | J. Michael Party           |

| <b>Term</b> | <b>President</b>        | <b>Sections Vice President</b> | <b>Regions Vice President</b> | <b>President-Elect</b> |
|-------------|-------------------------|--------------------------------|-------------------------------|------------------------|
| 2007-08     | Willard "Will" R. Green | John M. Armentrout             | John R. Hogg                  | Scott W. Tinker        |
| 2008-09     | Scott W. Tinker         | W. C. "Rusty" Riese            | John R. Hogg                  | John C. Lorenz         |
| 2009-10     | John C. Lorenz          | W. C. "Rusty" Riese            | Alfred E. Guzmán              | David G. Rensink       |
| 2010-11     | David G. Rensink        | Martin D. Brittenham           | Alfred E. Guzmán              | Paul Weimer            |

| <b>Term</b> | <b>Treasurer</b>       | <b>Editor</b>        | <b>Chairman, House of Delegates</b> |
|-------------|------------------------|----------------------|-------------------------------------|
| 1970-71     | William B. Heroy, Jr.* | John D. Haun         | George R. Gibson*                   |
| 1971-72     | William B. Heroy, Jr.  | Frank E. Kottlowski* | George C. Hardin, Jr.*              |
| 1972-73     | Fred A. Dix, Jr.*      | Frank E. Kottlowski  | Herbert G. Davis                    |
| 1973-74     | Edd R. Turner, Jr.*    | Frank E. Kottlowski  | Robert J. Gutru                     |
| 1974-75     | George C. Grow, Jr.*   | Frank E. Kottlowski  | Hugh N. Frenzel*                    |
| 1975-76     | George C. Grow, Jr.    | John W. Shelton      | Robert N. Hacker*                   |
| 1976-77     | George S. Galbraith*   | John W. Shelton      | John W. James*                      |
| 1977-78     | George S. Galbraith    | John W. Shelton      | Harry A. Miller, Jr.                |
| 1978-79     | George B. Pichel       | John W. Shelton      | J. Miller Goodger                   |
| 1979-80     | George B. Pichel       | Myron K. Horn        | Louis C. Bortz                      |
| 1980-81     | John S. Runge          | Myron K. Horn        | H. Victor Church*                   |
| 1981-82     | John S. Runge          | Myron K. Horn        | David G. Campbell                   |
| 1982-83     | Norman H. Foster*      | Myron K. Horn        | William H. Roberts, III*            |
| 1983-84     | Norman H. Foster       | Richard Steinmetz    | Bruce O. Tohill                     |
| 1984-85     | John R. Kerns          | Richard Steinmetz    | A. T. (Toby) Carleton               |
| 1985-86     | John R. Kerns          | James A. Helwig      | Larry D. Woodfork                   |
| 1986-87     | Anthony Reso           | James A. Helwig      | John L. Stout                       |
| 1987-88     | Anthony Reso           | James A. Helwig      | Martha Lou Broussard                |
| 1988-89     | Paul M. Strunk         | James A. Helwig      | George A. Hillis                    |

\*Deceased



| Term    | Treasurer            | Editor            | Chairman, House of Delegates |
|---------|----------------------|-------------------|------------------------------|
| 1989-90 | Paul M. Strunk       | Susan A. Longacre | Brenda K. Cunningham         |
| 1990-91 | Edward K. David      | Susan A. Longacre | John C. Osmond               |
| 1991-92 | Edward K. David      | Susan A. Longacre | Willard R. Green             |
| 1992-93 | Susan M. Landon      | Susan A. Longacre | Kenneth O. Seewald           |
| 1993-94 | Susan M. Landon      | Kevin T. Biddle   | Gerald A. Cooley*            |
| 1994-95 | Lee T. Billingsley   | Kevin T. Biddle   | Ed W. Heath                  |
| 1995-96 | Lee T. Billingsley   | Kevin T. Biddle   | Thomas Ahlbrandt             |
| 1996-97 | Steven L. Veal       | Kevin T. Biddle   | Patrick J. F. Gratton        |
| 1997-98 | Steven L. Veal       | Neil F. Hurley    | Daniel L. Smith              |
| 1998-99 | Terry L. Hollrah     | Neil F. Hurley    | Tom Mairs*                   |
| 1999-00 | Terry L. Hollrah     | Neil F. Hurley    | John R. Hogg                 |
| 2000-01 | Edward B. Picou, Jr. | Neil F. Hurley    | Lowell K. Lischer            |
| 2001-02 | Edward B. Picou, Jr. | John C. Lorenz    | Edward D. Dolly              |
| 2002-03 | Paul Weimer          | John C. Lorenz    | Terry L. Hollrah             |
| 2003-04 | Paul Weimer          | John C. Lorenz    | George Eynon                 |
| 2004-05 | Dwight "Clint" Moore | Ernest A. Mancini | Valary L. Schulz             |
| 2005-06 | Dwight "Clint" Moore | Ernest A. Mancini | Don D. Clarke                |
| 2006-07 | Randi S. Martinsen   | Ernest A. Mancini | Larry L. Jones               |

| Term    | Secretary                | Treasurer          | Editor             | Chairman, House of Delegates |
|---------|--------------------------|--------------------|--------------------|------------------------------|
| 2007-08 | Edward "Ted" A. Beaumont | Randi S. Martinsen | Gretchen M. Gillis | Martin D. Hewitt             |
| 2008-09 | Edward "Ted" A. Beaumont | Kay L. Pitts       | Gretchen M. Gillis | George R. Bole               |
| 2009-10 | William S. Houston       | Kay L. Pitts       | Gretchen M. Gillis | Stephen A. Sonnenberg        |
| 2010-11 | William S. Houston       | James S. McGray    | Stephen E. Laubach | David H. Hawk                |

## Energy Minerals Division Executive Committees

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

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

| Term    | President           | Vice President      | President-Elect     | Secretary            | Treasurer        |
|---------|---------------------|---------------------|---------------------|----------------------|------------------|
| 1998-99 | Lawrence L. Brady   | Jack C. Pashin      | Thomas E. Ewing     | Brian J. Cardott     | James C. Hower   |
| 1999-00 | Thomas E. Ewing     | Andrew R. Scott     | Ronald L. Grubbs    | Brian J. Cardott     | Michael A. Wiley |
| 2000-01 | Ronald L. Grubbs    | Brian J. Cardott    | Andrew R. Scott     | Alexander R. Papp    | Michael A. Wiley |
| 2001-02 | Andrew R. Scott     | Chacko J. John      | Rebecca L. Dodge    | Alexander R. Papp    | Michael A. Wiley |
| 2002-03 | Rebecca L. Dodge    | Alexander R. Papp   | Chacko J. John      | Walter B. Ayers, Jr. | Michael A. Wiley |
| 2003-04 | Chacko J. John      | Peter D. Warwick    | Brian J. Cardott    | Elizabeth B. Campen  | Michael A. Wiley |
| 2004-05 | Brian J. Cardott    | Elizabeth B. Campen | Peter Warwick       | Samuel H. Limerick   | Michael A. Wiley |
| 2005-06 | Peter Warwick       | Creties Jenkins     | William A. Ambrose  | Samuel H. Limerick   | K. David Newell  |
| 2006-07 | William A. Ambrose  | Jack C. Pashin      | Douglas G. Patchen  | Elizabeth B. Campen  | K. David Newell  |
| 2007-08 | Douglas G. Patchen  | Larry M. Knox       | Creties Jenkins     | Elizabeth B. Campen  | Neil S. Fishman  |
| 2008-09 | Creties D. Jenkins  | Andrea A. Reynolds  | Frank E. Wallis     | Amy E. Sullivan      | Neil S. Fishman  |
| 2009-10 | Frank E. Wallis     | Fran Hein           | Michael D. Campbell | Amy E. Sullivan      | Kent A. Bowker   |
| 2010-11 | Michael D. Campbell | Genevieve B. Young  | Stephen M. Testa    | Frances J. Hein      | Kent A. Bowker   |

\*Deceased

## Division of Professional Affairs Executive Committees

| Term    | President              | Vice President         | Secretary -Treasurer   |                         |                        |                        |
|---------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|
| 1968-69 | W. Dow Hamm*           | Frank B. Conselman*    | Willis G. Meyer        |                         |                        |                        |
| 1969-70 | George R. Gibson*      | John T. Rouse*         | Ted L. Bear*           |                         |                        |                        |
| 1970-71 | James O. Lewis, Jr.*   | John D. Sistrunk, Jr.  | Bernold M. Hanson*     |                         |                        |                        |
| 1971-72 | James O. Lewis, Jr.    | John D. Sistrunk, Jr.  | Bernold M. Hanson*     |                         |                        |                        |
| Term    | President              | Vice President         | Secretary -Treasurer   |                         |                        |                        |
| 1972-73 | Ray C. Lewis*          | George C. Grow, Jr.*   | Karl E. Becker*        |                         |                        |                        |
| 1973-74 | Ray C. Lewis           | George C. Grow, Jr.    | Karl E. Becker         |                         |                        |                        |
| 1974-75 | Don E. Lawson          | Karl E. Becker*        | Frank C. Crawford      |                         |                        |                        |
| 1975-76 | Don E. Lawson          | Karl E. Becker         | Frank C. Crawford      |                         |                        |                        |
| 1976-77 | Lee H. Meltzer*        | Frank L. Constant      | Arthur L. Trowbridge   |                         |                        |                        |
| 1977-78 | Lee H. Meltzer         | Frank L. Constant      | Arthur L. Trowbridge   |                         |                        |                        |
| 1978-79 | Herbert G. Davis       | Richard D. House       | Donald R. Hembre       |                         |                        |                        |
| 1979-80 | Herbert G. Davis       | Richard D. House       | Donald R. Hembre       |                         |                        |                        |
| 1980-81 | Jerome J. C. Ingels    | Charles A. Brinkley    | George R. Bole         |                         |                        |                        |
| 1981-82 | Jerome J. C. Ingels    | Charles A. Brinkley    | George R. Bole         |                         |                        |                        |
| 1982-83 | Harry A. Miller, Jr.   | Dougald H. Thamer*     | J. Miller Goodger      |                         |                        |                        |
| 1983-84 | Harry A. Miller, Jr.   | Dougald H. Thamer      | J. Miller Goodger      |                         |                        |                        |
| Term    | President              | Vice President         | President-Elect        | Secretary               | Treasurer              |                        |
| 1984-85 | Dougald R. Thamer*     | Scott J. Lysinger      | George R. Bole         | Harry Ptasynski         | John T. Isberg         |                        |
| 1985-86 | George R. Bole         | William R. Speer       | Scott J. Lysinger      | John F. Partridge       | John T. Isberg         |                        |
| 1986-87 | Scott J. Lysinger      | James P. Rogers        | Jack P. Martin         | John F. Partridge       | John E. Burke          |                        |
| 1987-88 | Jack P. Martin         | Robert D. Cowdery      | Harrison L. Townes     | Owen C. Brown           | John E. Burke          |                        |
| 1988-89 | Harrison L. Townes     | Harold W. Hanke        | Patrick J. F. Gratton  | Owen C. Brown           | Cecil R. Rives         |                        |
| 1989-90 | Patrick J. F. Gratton  | J. Robert Wynne        | James P. Rogers        | W. Paul Buckthal        | Cecil R. Rives         |                        |
| 1990-91 | James P. Rogers        | Steven A. Sonnenberg   | Robert D. Cowdery      | W. Paul Buckthal        | G. L. Jack Richards    |                        |
| 1991-92 | Robert D. Cowdery      | H. Grady Collier, Jr.  | Charles R. Noll, Jr.   | Royce P. Carr           | G. L. Jack Richards    |                        |
| 1992-93 | Charles R. Noll, Jr.   | Lowell K. Lischer      | Peter G. Gray          | Royce P. Carr           | William E. Diggs*      |                        |
| 1993-94 | Peter G. Gray          | Terry L. Hollrah       | Willard R. Green       | Michael R. Canich       | William E. Diggs       |                        |
| 1994-95 | Willard R. Green       | Robert T. Sellars, Jr. | Terry L. Hollrah       | Michael R. Canich       | Thomas E. Ewing        |                        |
| 1995-96 | Terry L. Hollrah       | Royce P. Carr          | Peter R. Rose          | Jack H. West            | Thomas E. Ewing        |                        |
| 1996-97 | Peter R. Rose          | Thomas E. Davis        | Robert T. Sellars, Jr. | Jack H. West            | Richard D. Fritz       |                        |
| Term    | President              | Vice President         | President-Elect        | Secretary               | Treasurer              | Past President         |
| 1997-98 | Robert T. Sellars, Jr. | Thomas E. Ewing        | Stephen A. Sonnenberg  | Charles E. (Gene) Mear* | Richard D. Fritz       | Peter R. Rose          |
| 1998-99 | Stephen A. Sonnenberg  | Richard G. Green       | Robert W. Sabaté*      | Charles E. (Gene) Mear  | Debra Rutan            | Robert T. Sellars, Jr. |
| 1999-00 | Robert W. Sabaté*      | Robert C. Shoup        | G. W. "Skip" Hobbs IV  | Lee T. Billingsley      | Debra Rutan            | Stephen A. Sonnenberg  |
| 2000-01 | G. W. "Skip" Hobbs IV  | J. Michael Party       | Royce P. Carr          | Lee T. Billingsley      | Suzanne Cluff          | Robert W. Sabaté       |
| 2001-02 | Royce P. Carr          | Deborah K. Sacrey      | Tom Mairs*             | Brenda K. Cunningham    | Suzanne Cluff          | G. W. "Skip" Hobbs IV  |
| 2002-03 | Tom Mairs*             | Lee C. Gerhard         | Bob Shoup              | Deborah K. Sacrey       | Dan J. Tearpock        | Royce P. Carr          |
| 2003-04 | Robert C. Shoup        | Rick L. Ericksen       | J. Michael Party       | Casey F. Clawson        | Dan J. Tearpock        | Tom Mairs              |
| 2004-05 | J. Michael Party       | Dan J. Tearpock        | Deborah K. Sacrey      | Casey F. Clawson        | Jeffery C. Greenawalt  | Robert C. Shoup        |
| 2005-06 | Deborah K. Sacrey      | Debra Rutan            | Richard G. Green       | Craig W. Reynolds       | Jeffery C. Greenawalt  | J. Michael Party       |
| 2006-07 | Richard G. Green       | Suzanne Cluff          | Thomas E. Ewing        | Craig W. Reynolds       | Michael R. Canich, Jr. | Deborah K. Sacrey      |
| 2007-08 | Thomas E. Ewing        | Valary L. Schulz       | Rick L. Ericksen       | Debra Rutan             | Michael R. Canich, Jr. | Richard G. Green       |
| 2008-09 | Rick L. Ericksen       | Daniel M. Reynolds     | Paul W. Britt          | Debra Rutan             | Michael A. Fogarty     | Thomas E. Ewing        |
| 2009-10 | Paul W. Britt          | Michael Canich         | Daniel J. Tearpock     | Paul H. Pausé           | Michael A. Fogarty     | Rick L. Ericksen       |
| 2010-11 | Daniel J. Tearpock     | William T. Goff        | Martin D. Hewitt       | Paul H. Pausé           | Daniel A. Billman      | Paul Britt             |

\*Deceased

## Division of Environmental Geosciences Executive Committees

| Term    | President          | Vice President         | Committee Member  | Secretary-Treasurer | Editor                |
|---------|--------------------|------------------------|-------------------|---------------------|-----------------------|
| 1992-93 | Bernold M. Hanson* | Susan C. Kiser         | Thomas W. Rollins | William G. Murray   | Richard F. Meyer      |
| Term    | President          | Vice President         | President-Elect   | Secretary-Treasurer | Editor                |
| 1993-94 | Bernold M. Hanson* | Bonnie B. Robinson     | Lee C. Gerhard    | James M. Waldron    | Richard F. Meyer      |
| 1994-95 | Lee C. Gerhard     | Steven L. Veal         | James L. Baer     | James M. Waldron    | Robert J. Menzie, Jr. |
| 1995-96 | James L. Baer      | Stanley C. Grant       | Larry D. Woodfork | M. Kathleen Vail    | Robert J. Menzie, Jr. |
| 1996-97 | Larry P. Woodfork  | Don Warner             | Susan C. Kiser    | M. Kathleen Vail    | Robert J. Menzie, Jr. |
| 1997-98 | Susan C. Kiser     | Michael "Doc" Weathers | Wm. G. Murray     | Wm. E. Harrison     | Robert J. Menzie, Jr. |

\*Deceased

| Term    | President              | Vice President          | President-Elect        | Secretary-Treasurer | Editor           |
|---------|------------------------|-------------------------|------------------------|---------------------|------------------|
| 1998–99 | William G. Murray      | Rima Petrossian         | Steven L. Veal         | Wm. E. Harrison     | Stephen M. Testa |
| 1999–00 | Steven L. Veal         | Peter J. Hutchinson     | Michael “Doc” Weathers | Kenneth D. Vogel    | Stephen M. Testa |
| 2000–01 | Michael “Doc” Weathers | Jane S. McColloch       | William E. Harrison    | Kenneth D. Vogel    | Stephen M. Testa |
| 2001–02 | William E. Harrison    | John A. Lopez           | Robert J. Menzie       | William Sarni       | Stephen M. Testa |
| 2002–03 | Robert J. Menzie       | Steven P. Tischer       | Rima Petrossian        | William Sarni       | Gerald R. Baum   |
| 2003–04 | Rima Petrossian        | Kenneth G. Johnson      | Kenneth D. Vogel       | Mary L. Barrett     | Gerald R. Baum   |
| 2004–05 | Kenneth D. Vogel       | Charles Chris Steincamp | Steven P. Tischer      | Mary L. Barrett     | Gerald R. Baum   |
| 2005–06 | Steven P. Tischer      | Craig Dingler           | Jane S. McColloch      | Nancy S. Dorsey     | Gerald R. Baum   |
| 2006–07 | Jane S. McColloch      | Michael A. Jacobs       | Charles G. Groat       | Nancy S. Dorsey     | Gerald R. Baum   |
| 2007–08 | Charles G. Groat       | Hannes E. Leetaru       | Rebecca Dodge          | Nancy J. Fix        | Gerald R. Baum   |
| 2008–09 | Rebecca Dodge          | Mary K. Harris          | Michael A. Jacobs      | N. J. (Anne) Fix    | James W. Castle  |
| 2009–10 | Michael A. Jacobs      | Jeffrey G. Paine        | Mary K. Harris         | Douglas Carlson     | James W. Castle  |
| 2010–11 | Mary K. Harris         | Robert Marie            | Douglas C. Peters      | Douglas Carlson     | Kristin Carter   |

\*Deceased

## Annual Convention Locations and General Chairmen

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

## International Conference Locations and General Chairmen

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

## 2010 Fifty-Year Members

List is not comprehensive. It includes only those who attained 50-year membership in 2010.

Arden A. Anderson  
 Donald D. Anderson  
 Charles H. Andrews  
 James Miles Barks  
 David Alan Brew  
 Alex S. Broun  
 Boyd Ray Brown  
 Roger L. Bruton  
 Otto J. Buis  
 Charles Daniel Bump  
 Thomas Ross Cambridge  
 Jose Carrillo-Bravo  
 Neil Patrick Carroll  
 John Richard Carson  
 E. E. Mike Cheeseman  
 James Ellis Christopher  
 Jerry P. Clark  
 John McRae Colvin, Jr.  
 Willis Eugene Conatser  
 James Maurice Cox  
 Jack Lee Crabtree  
 William Ralph Cronoble  
 Douglas R. Cummings  
 Bobby J. Darnell  
 Howard William Davis  
 Frederick Edward Digert  
 William Ronald Dixon  
 Raymond Donais  
 James Clayton Dowdy, Jr.  
 Henry Coleman Fisher, Jr.  
 William Rolla Flenniken  
 Gerald Lee Fletcher  
 Arthur Henry Forbes, Jr.  
 Bobby Ellis Gilliam  
 Charles Ray Gober

Charles B. Godfrey  
 Patrick John F. Gratton  
 Billy Warren Gregory  
 David Leon Griffin  
 John C. Grunau  
 Willard Jennings Guy, Jr.  
 John Stephen Guyton  
 Joe William Harris, Jr.  
 William Henry Hawkins  
 James Joseph Herb  
 Harbert Heath Higgins  
 David Scott Holland  
 Weber Ralph Holloway  
 William G. Hooks  
 Clarence Edward Hottman  
 G William Hurley  
 Kenneth G. Johnson  
 Peter Barrett Jones  
 Earl Verner Jones, Jr.  
 Marvin A. Keller  
 Jimmy R. Kirk  
 George Devries Klein  
 Edward J. Klockenkemper  
 Leonard Ludwig Knaffle  
 Gilbert Anthony Korman, Jr.  
 John Douglas Laker  
 Leo Joseph Lammers  
 William Edward Langenbahn  
 Vincent Thorsten Larsen  
 Richard James Leamer  
 Jack Henry Lewis  
 Allen Clement Locklin  
 Peter Thomas Lucas  
 David George Miller  
 Robert L. Musslewhite  
 Jack Lewis Nelson  
 Peter Vincent Newman  
 John Borop Padgham  
 James George Palacas  
 Orlin Robert Phelps

Sanford Ingels Phillips  
 Michael Claude Pick  
 Clayton Howard Riddell  
 Andrew Jackson Robinson, Jr.  
 Peter Robert Rose  
 George Albert Rosenfeld  
 Basanta Kumar Sahu  
 Robert Fowler Schmalz  
 Arthur Henry Schultz  
 Robert William Scott  
 Robert Thompson Sellars, Jr.  
 Rudolf B. Siegert  
 Fred Grove Sierveld  
 Wayne Lang Simpson  
 Erwin Leroy Single  
 Guy F. Sittler, Jr.  
 Glenn Eldredge Sorensen, Jr.  
 Richard F. Spencer  
 Gerald Leslie Stone  
 Peter George Temple  
 David Tronvig Threinen  
 Charles Ray Tierce  
 Don Graybill Tobin  
 Harry Vernon Tucei  
 John H. Van Amringe  
 Martin Allan Vaughan  
 Louis O. Vidrine  
 James Kenneth Vincent  
 John Titherington Walker  
 Charles Trevor Walker  
 Robert Grove Walton  
 Norman Claude Wardlaw  
 Kenneth Watts, Jr.  
 Edmund Gerald Wermund, Jr.  
 John Bernard Wesselman  
 Hans Widmer  
 Roger Duane Wilkinson  
 Albert Eugene Woodard  
 Robert S. Yeats  
 Raymond Norbert Zoerkler

## 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 of selection, the terms of office, the specific duties, responsibilities, and other matters relevant to such bodies and officers shall be as provided in the Bylaws of this Association. Any responsibility and authority of government of this Association not otherwise specified in these governing documents shall be reserved to the Executive Committee.

### ARTICLE VI. DISPOSITION OF ASSETS

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

## ARTICLE VII. BYLAWS

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

## ARTICLE VIII. AMENDMENTS

### SECTION 1. Mail, 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 11, 2010

## ARTICLE I. MEMBERSHIP

### SECTION 1. Membership

Membership in this Association shall consist of the following classifications:

- (a) Active Members
- (b) Emeritus Members
- (c) Honorary Members
- (d) Students
- (e) Associates

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

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

### SECTION 3. Active Members

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

### SECTION 4. Emeritus Members

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

### SECTION 5. Honorary Members

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

### SECTION 6. Students

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

### SECTION 7. Associates

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

### SECTION 8. Election to Membership

Every candidate for admission as an Active Member shall submit a formal application on an application form authorized by the Executive Committee, signed by the applicant, and

endorsed by not less than three (3) individuals, at least two (2) of whom are members who are in good standing, stating the applicant's training and experience and such other facts as the Executive Committee shall from time to time prescribe. The Executive Committee shall be the sole judge of the eligibility of the applicant for membership and the adequacy of the applicant's qualifications; provided, however, that the Executive Committee may not waive the endorsement or professional experience requirements set out in this Article I for applicants for admission as Active Members. If the Executive Committee after due consideration, judges that the applicant's qualifications meet the requirements of the Constitution and these Bylaws, the committee shall cause to be published in the Bulletin or by other suitable means, the applicant's name and the names of the sponsors. If, after sixty (60) days have elapsed since such publication, no reason is presented why the applicant should not be admitted, the applicant shall be deemed eligible to Active or Associate membership, as the case may be, and shall be notified of election to membership.

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

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

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

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

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

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

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

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

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

**The officers of this Association shall be the following:**

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

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

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

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

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

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

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

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

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

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

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

### **SECTION 7. Treasurer**

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

### **SECTION 8. Editor**

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

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

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

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

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

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

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

(a) These officers shall be elected from among the members of the Association by means of secret ballot in the following manner: not later than June 30 of each year the Advisory Council shall annually recommend two (2) or more candidates each for the office of President-Elect, biennially recommend two (2) or more candidates each for offices of Vice President, Sections; Vice President, Regions; Secretary; and Treasurer; and triennially recommend two (2) or more candidates for the office of Editor to stand for election during the following fiscal year, and, if elected, to serve during the

second succeeding fiscal year. The Executive Committee shall approve the candidates recommended in the order (if the Advisory Council recommends candidates in a particular order) and for the office recommended by the Advisory Council unless the Executive Committee, by the affirmative vote of not less than five of its members in each instance, alters the order in which candidates are recommended or changes the office for which a particular candidate is recommended; provided, however, that no person shall be a candidate who declines such candidacy. The Executive Committee shall annually approve two (2) candidates each for the office of President-Elect, biennially approve two (2) candidates each for the offices of Vice President, Sections; Vice President, Regions; Secretary; and Treasurer; and triennially approve two (2) candidates for the office of Editor. Additional nominations may be made by written petition of fifty (50) or more members in good standing received at Association headquarters not later than October 15 following. A candidate or nominee for the office of Vice President, Sections must reside within the United States and be a member of a Section at the date of his or her approval by the Executive Committee as a candidate for such office as described in this Section 11 or when otherwise initially becoming a candidate or nominee for such office. A candidate or nominee for the office of Vice President, Regions must reside outside of the United States and be a member of a Region at the date of his or her approval by the Executive Committee as a candidate for such office as described in this Section 11 or when otherwise initially becoming a candidate or nominee for such office. The names of candidates shall be published in the Explorer or by other suitable means ninety (90) days prior to distribution of ballots to members. The Executive Committee shall then prepare a printed, electronic, or other suitable ballot, listing the candidates for each office, and one (1) ballot shall be mailed, electronically distributed, or distributed by other suitable means to each member on or before April 1. Such ballots may consist of any combination of printed, electronic, and other suitable ballots. Marked ballots returned to and received by the Association after May 15 shall not be counted. The ballot committee shall count the ballots promptly after May 15 and report the results to the President. A majority of all votes cast for an office is necessary for election. In case of a tie vote the Executive Committee shall cast one (1) additional deciding vote.

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



until a candidate receives a majority of the first choice votes cast. In the process described in this subsection (b) the first choice of any voter in any tabulation shall be deemed to be the candidate chosen highest by that voter after removing from that voter's selections the candidate or candidates who have been dropped from consideration prior to the pertinent tabulation.

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

(a) A vacancy occurring in the office of Secretary, Treasurer, or Editor shall be filled by the unsuccessful candidate for that office in the most recent election. If there were more than one unsuccessful candidate for that office in said election, the candidate to fill the vacancy will be selected in accordance with the election process in Article II, Section 11, subsection (b), of these Bylaws. Should the unsuccessful candidate or candidates be unwilling or unable to fill such vacancy, the Executive Committee may fill such vacancy.

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

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

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

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

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

Association President;  
Association Vice President, Sections;  
Association Vice President, Regions;  
Association President-Elect;  
Association Secretary;  
Association Treasurer;  
Association Editor;  
Chairman, House of Delegates;  
Chairman-Elect, House of Delegates;  
Secretary-Editor, House of Delegates;  
Immediate Past Chairman, House of Delegates  
President of any Division;  
Advisory Council member elected by any United States Section; and  
Advisory Council member elected by any International Region.

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

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

(a) Members serving as any of the officers described in Article II of these Bylaws, as officers of the House of

Delegates, or on the Advisory Council shall not be eligible to be nominated for any of the offices described in Article II of these Bylaws or selected for an honor or award by the body on or in which they serve, except for the House of Delegates' Recognition of Service Award.

b) Candidates for the offices described in Article II of these Bylaws, for officers of the House of Delegates, for members of the AAPG Advisory Council representing United States Sections or International Regions, or for president of any Technical Division may not be selected to receive any honor or award by any of those bodies during the period of their candidacy, unless the honor or award has been announced prior to the announcement of their candidacy.

(c) Members serving as any of the officers described in Section 1 of Article II of these Bylaws, as the Chairman of the House of Delegates, or on the Advisory Council shall not be eligible to be a candidate for any of the offices described in Section 1, Article II, of these Bylaws in any election during such service or in the Association's fiscal year immediately following the end of such service.

### **ARTICLE III. EXECUTIVE COMMITTEE**

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

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

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

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

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

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

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

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

(a) The Executive Committee shall meet immediately before the annual meeting of the House of Delegates and at such other times during the year and at such places as designated by such Executive Committee and at the call of the President. *Robert's Rules of Order* shall apply at all meet-

ings, except as the same may be inconsistent with any procedure authorized by this Section 3. A quorum shall consist of four (4) members. No proxy votes shall be allowed and no alternates may be appointed for absent members.

(b) A member of the Executive Committee may participate in a regular or special meeting by, or the meeting may be conducted through the use of, any means of communication allowed under the Colorado Revised Nonprofit Corporations Act.

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

(d) Five (5) days notice of regular or special meetings of the Executive Committee shall be given, which shall include the date, time, place, and, if a special meeting, purpose of the meeting. Notice may be given in any manner permitted by the Colorado Revised Nonprofit Corporations Act, and shall be effective as provided by such Act. Members of the Executive Committee may waive notice as provided under the Colorado Revised Nonprofit Corporations Act.

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

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

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

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

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

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

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

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

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

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

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

Delegates shall be selected by popular vote of American Association of Petroleum Geologists members in elections conducted annually by United States Affiliated Societies and International Regions. Voting shall be restricted to those Association members claiming the Affiliated Society

or Region as their home society or region. Association members residing in the United States and not members of any United States Affiliated Society may be assigned for the purpose of voting in elections for Delegates to the nearest United States Affiliated Society upon request to that society, without enjoying any of the membership privileges. When the three-year term of office of a Delegate from a United States Affiliated Society expires prior to an annual meeting of the House of Delegates referred to in Section 6 of this Article IV and the society has not elected a Delegate to fill the next three-year term by sixty (60) days before that annual meeting, the president of the United States Section in which the society is located shall prior to that annual meeting appoint a Delegate to serve that next three-year term. All Association members residing outside of the United States shall be assigned to the International Regions in which they reside and shall vote in that Region in elections for Delegates unless claiming a United States Affiliated Society or another Region as their home society or region. All members of an International Region shall be entitled to vote in all elections for all Delegates from that Region. Each International Region shall elect, in an election or elections in which all members of such region shall be entitled to vote, not less than one (1) Delegate from among the Association members of each Affiliated Society within that International Region. Additional Delegates, if any, to which a Region may be entitled shall be elected as determined by the Region; provided, that all Association members assigned to an International Region shall be entitled to vote in all elections of Delegates from that International Region. Any Association member may be a candidate for Delegate from the United States Affiliated Society or International Region in which the member votes upon the member's timely written request. Delegates shall be elected for three (3)-year terms and may succeed themselves; provided, however, that any Delegate elected as an officer of the House of Delegates during the third year of the Delegate's three-year term shall automatically be a voting At-Large Member of the House of Delegates for the one year such person serves as such officer. Terms of office shall begin on July 1 following their election. Vacancies in office, or alternates for Delegates unable to attend meetings of the House of Delegates may be filled or obtained from among the candidates not receiving a sufficient number of votes for election, and in order of the total number of votes received. In the event alternates for Delegates are not available from the candidates described above, then the members of a United States Affiliated Society or an International Region who are Association members may appoint alternate Delegates for said meeting. The names of these appointed alternate Delegates must be received in writing by the Headquarters office of the Association at least fifteen (15) days prior to the meeting of the House of Delegates for which they are appointed.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The officers of the House of Delegates shall be a Chairman, a Chairman-Elect and a Secretary/Editor. The House of Delegates shall elect the Chairman-Elect and the Secretary/Editor at its annual meeting. The term of office shall be one year commencing July 1 following election of officers. The Chairman-Elect shall assume the office of Chairman of the House of Delegates the year following his or her term of office as Chairman-Elect.

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

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

(d) A vacancy occurring in the office of Chairman shall be filled by the Chairman-Elect who shall, in the event such

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

## **ARTICLE V. ADVISORY COUNCIL**

### **SECTION 1. Jurisdiction**

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

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

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

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

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

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

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

### **SECTION 5. Nominations**

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

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

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

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

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

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

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

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

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

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

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

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

## **SECTION 9. Meetings**

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

## **SECTION 10. Presiding Officer**

The immediate past-president of this Association shall serve as Chairman of the Advisory Council, unless, in the event the

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

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

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

(a) The Executive Director;

(b) The President;

(c) The Chairman of the House of Delegates;

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

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

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

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

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

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

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

United States Sections shall be the:

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

International Regions shall be the:

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

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

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

## **SECTION 2. Technical Divisions**

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

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

### **SECTION 1. Affiliated Societies**

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

### **SECTION 2. Associated Societies**

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

## **ARTICLE VIII. COMMITTEES**

### **SECTION 1. Standing Committees**

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

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

Except as provided in Article XI of these Bylaws, the President shall appoint all committee chairmen, co-chairmen, vice chairmen, other committee members, and committee managers and fill vacancies whenever they occur, except where otherwise specified in these Bylaws. The Executive Committee shall determine the number of members of each standing committee. The Executive Committee may remove any committee chairman, co-chairman, vice chairman, or other member or committee manager with or without cause. The term of office of a member of a standing committee, unless otherwise provided in these Bylaws, shall be three (3) years beginning July 1. Appointments of chairmen, co-chairmen, vice-chairmen, and committee managers shall be for one (1) year beginning July 1. Members of standing committees (other than chairmen, co-chairmen, and vice chairmen) shall serve in rotating terms. One-third (1/3) of the members of

each standing committee (other than the chairman, co-chairmen, and vice chairman), unless otherwise provided, shall be appointed each year. No chairman, co-chairman, vice chairman, or committee manager of a standing committee may serve as such for more than three consecutive years and no co-chairman shall have served as chairman at any time during the preceding year. Each chairman, co-chairman, and vice chairman of a committee shall be a member of such committee by virtue of his or her office. Committee members shall be Association members of any classification.

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

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

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

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

## **ARTICLE IX. FOUNDATION**

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

## **ARTICLE X. CERTIFICATION**

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

## **ARTICLE XI. GRIEVANCE PROCEEDINGS**

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

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

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

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

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

The Hearing Body shall consist of five (5) members of the Advisory Council, including at least one (1) past president of the Association, all of whom shall be appointed by the Chairman of the Advisory Council. Each of the prosecutor and the accused member may challenge and have removed not more than two (2) members of the Hearing Body and such removed members shall be replaced with other members of the Advisory Council selected by the Chairman of the Advisory Council. The Hearing Body shall set the time, date, and place for a hearing on the charges and the accused

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## **SECTION 9. Authority**

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

## **SECTION 10. Definition**

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

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

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

## **ARTICLE XII. MEETINGS**

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

## **ARTICLE XIII. DUES**

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

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

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

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

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

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

Active—Up to \$125  
Emeritus—Up to \$62.50  
Honorary—None  
Student—Up to \$10  
Associate—Up to \$125

The above schedule shall be subject to the following provisos:

- (a) That dues are not refundable;
- (b) That members having previously obtained exemption under the former Life Member category shall not be required to pay dues;
- (c) That students who join while undergraduates will be reclassified as Associates upon termination of academic

enrollment or upon commencement of full-time professional employment or practice.

(d) There shall be three levels of annual dues for Active Members and Associates which shall be based on gross annual personal income in United States dollars. The levels are: Level 1 – Annual income greater than \$50,000; Level 2 – Annual income greater than \$25,000 but not more than \$50,000; and Level 3 – Annual income of \$25,000 or less. Level 2 dues shall be one-half of Level 1 dues; Level 3 dues shall be one-fourth of Level 1 dues; provided, however, that in no event shall annual dues based on any level of annual income be less than \$20.00. An Active Member or an Associate whose annual income is in Level 2 or Level 3 may, at his or her option, pay dues which correspond with any higher level of annual income. The Executive Committee may provide for access to the *Bulletin* and the *Explorer* by different means for persons paying different levels of dues.

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

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

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

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

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

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

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

## **ARTICLE XIV. AMENDMENTS**

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

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

- (a) Resolution by the Executive Committee;
- (b) Resolution of the House of Delegates;
- (c) Written proposal signed by fifty (50) members of the Association.

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

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

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

(b) Amendments proposed by resolution of the Executive Committee, by resolution of a majority vote of the Officers of



the House of Delegates and the Chairman of the Constitution and Bylaws Committee of the House of Delegates, or by fifty (50) members of the Association shall within thirty (30) days of their receipt by the Chairman of the House of Delegates be distributed to the Executive Committee, the members of the House of Delegates, the Constitution and Bylaws committee of the House of Delegates, the Advisory Council, and any committee or member(s) of the Association designated by the Executive Committee to receive them.

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

(d) Each of the bodies and members to receive proposed amendments under Section 2, paragraph (b) above, may

submit comments concerning amendments proposed by resolution of the House of Delegates to the Constitution and Bylaws committee of the House of Delegates not later than the next October 31st following the adoption of the resolution. The Chairman of the House of Delegates shall cause all such comments to be sent with the proposed amendment to the members of the House of Delegates as provided in its Rules and Procedures.

### **SECTION 3. Publication of Amendments**

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

### **SECTION 4. Consideration of Amendments**

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