

Energy Minerals Division

During the past year, EMD has experienced tremendous growth in membership, and with improved EMD programs undertaken over the past year, this has finally allowed the general AAPG membership to gain free access to EMD's many technical features designed specifically to be of use by geoscientists involved in unconventional and alternative energy resources in the U.S. and now throughout the world. The re-organization of EMD that began last year has continued with great success. The EMD website's home pages are the doorways to EMD's technical information (one for the public and one for EMD Member's Only): <http://emd.aapg.org>.

Achievements

First, with the elimination of the EMD dues last year, combined with the elimination of a number of EMD committees that duplicated those already available within AAPG, communications with AAPG committees have been improved. With the increase in the quality of the technical information made available via the EMD website by the Unconventional Energy Resources Group, (consisting of the committees on coalbed methane, gas hydrates, tight gas sands, gas shales, oil (tar) sands, and oil shale), and via the Alternative Energy Resources Group, (consisting of the committees on coal, uranium (and nuclear minerals), geo-thermal energy, and the EMD-DEG co-committee on renewable energy resources), since March 2010, these expanded activities have prompted an increase in EMD membership approaching 180%, from 1,627 members to more than 4,539 by July 1, 2011 (see plot—left column). To date, EMD has gained 984 active members, 935 associate members, and 923 student members (the latter of which tend to be variable but may also translate into associate member status as the student graduates from college and goes to work). To place this growth in context, see the plot of historical EMD membership since 2000.

Second, over the past few years, EMD has increased its collective support of the planning and execution of the AAPG ACE, ICE, GTWs and other meetings through expanding the roles of the Commodity Committee chairs and section and

regional councilors, with a special emphasis on the latter in the activities of the local, sectional, regional, and national geoscience-based societies and associations. The efforts have improved cooperation in advancing the development of quality geoscience in unconventional and alternative energy resource exploration, production and environmental management. The Houston ACE turned out to be a major success of more than 8,200 attendees with a concerted supporting effort coming from EMD. Final planning is underway for the Long Beach ACE in April 2012. A major effort is also being made by EMD to emphasize the EMD Regional activities in various parts of the world to support the International Conferences and Exhibitions being held overseas, such as the ICE held in Calgary, Fall, 2010, and to be held in Milan in late 2011, Singapore in 2012, among others in the planning stages.

Combined with the above, EMD has also expanded the roles of the EMD Commodity committees by providing support to the chairs in tasking them with appointing vice-chairs for industry, university and government. EMD also introduced a system to assist the chairs by widening participation in each of their Commodity committees. This consists of a chair-appointed Advisory Group to assist the chair and vice-chairs, and an observing group to monitor the committees' overall activities that have been introduced (see plot for the number of EMD members interested in each Commodity committees' observing group). Interest in possible appointment to the Advisory Group by the chair or in the general activities of the committee can be demonstrated by an interested EMD member by visiting the EMD Membership webpage and by clicking

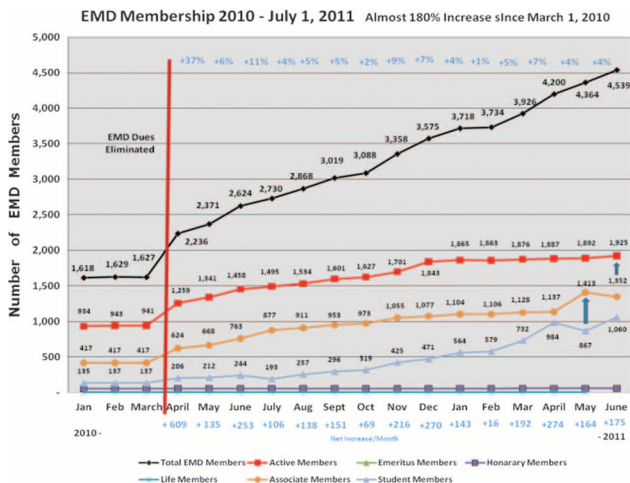
the boxes of interest. This action notifies the chair.

Another feature that has been developed over the past year is the interactive EMD-DEG-DPA Web Portal. This was designed to support all AAPG Divisions in providing up-to-date technical and media sources on the current issues of the day, the Divisions of which provide the third dimension to the AAPG. It is the responsibility of each of the EMD Commodity chairs to input technical reports, papers, news items, and supporting technical information covering conventional, unconventional and alternative energy resources and associated environmental topics of interest. Other members may also input information, all of which is reviewed by Web Portal staff for relevancy and appropriateness before allowing the material to go live to the Web Portal. It is complementary to AAPG's other technical information systems currently available, such as Search and Discovery. The Web Portal is growing in popularity with EMD members and we anticipate this growth to increase in the years ahead.

Another aspect of EMD outreach to non-AAPG geoscientists and the general public is now being managed by each of the various Commodity committees through rejuvenating their respective activities on their associated Public Home pages covering each of the energy resource commodities involved. EMD also updated our Bylaws during the year to be consistent with the reorganization of EMD. These will be translated into a revised EMD Procedures Manual during the coming year.

EMD released two publications in 2010, four are planned for release in 2011, and two are in the pipeline and scheduled for release in early and mid 2012, respectively.

PUBLISHED & COMING ATTRACTIONS FROM THE EMD	Publication Date
Natural Gas Hydrates – Energy Resource Potential & Associated Geologic Hazards – AAPG Memoir # 89	February 2010
Carbon Dioxide Sequestration in Geological Media-State of the Science – AAPG Studies in Geology # 59	July 2010
Coal Assessment of Gulf Coast	2011
Heavy Oil/Oil Sands Petroleum Systems in Alberta & Beyond	2012
Unconventional Energy Resources & Geospatial Information	2012
The History and Path Forward of the Human Species into the Future: Energy Minerals in the Solar System	2012
Shale Petroleum Reservoirs	2012
Atlas of Coal Geology - 2nd Edition	2012



EMD Geoscientists

EMD is driven by geoscientists who consider their contributions to be pro-bono professional services to the EMD and AAPG. This service extends even to non-AAPG members and the general public for the sole purpose of expanding the knowledge and understanding of geo-sciences in the exploration, development, production, and environmental management of unconventional and alternative energy resources.

With such support, EMD is poised to continue to grow as new and existing AAPG members experience the benefit of becoming part of EMD and of becoming active in its ongoing goal of expanding the geosciences involved in unconventional and alternative energy resources in the U.S. and around the world.

The Future

EMD has encouraged diversity in officer elections and Commodity committee appointments. Women serve in eight senior management roles within EMD, including EMD president-elect (2012–2013); another was elected EMD

vice-president (2010–2011). EMD continues to search out and vet viable candidates for future roles in EMD.

Senior professional geoscientists, whether they are men, women, or of a diverse racial background, all serve in various pro-bono positions within the EMD and AAPG as elected officers and as appointed chairs and vice-chairs of the Commodity Committees, as the section/regional councilors, and as the Supporting Committee chairs, all of whom guide EMD in continuing to reach for its membership-oriented goals. Without their dedicated efforts, EMD could not have progressed as we have over the past year.

Michael D. Campbell, EMD President (2010–2011)

Editor's Note: A color version of this report appears in the online Bulletin.

Division of Professional Affairs

I wish to thank everyone who has stepped forward to work hard in this

fiscal year 2010–2011, to move forward the business plan of the Division of Professional Affairs. The DPA developed an aggressive Business Plan for this fiscal year. Part of the aggressive plan is based on the fact that the DPA's membership is on a gradual decline, the age of our membership, the need to expand the DPA's presence internationally to support the AAPG, and the desire to provide valuable support to our membership.

The present realities are as follows. The membership is on decline. The DPA has traditionally been a U.S.-dominated division. There is a significant growth in student and young professional membership in the AAPG; these students and young professionals need career development assistance and support that helps the retention of these young people as active members of AAPG. There is a need to represent geoscientists in engaging with policymakers on matters of professional concern.

There is a need to increase DPA's revenue above and beyond membership dues in order to support DPA activities, as well as our pledge to the Geo-DC office in Washington.

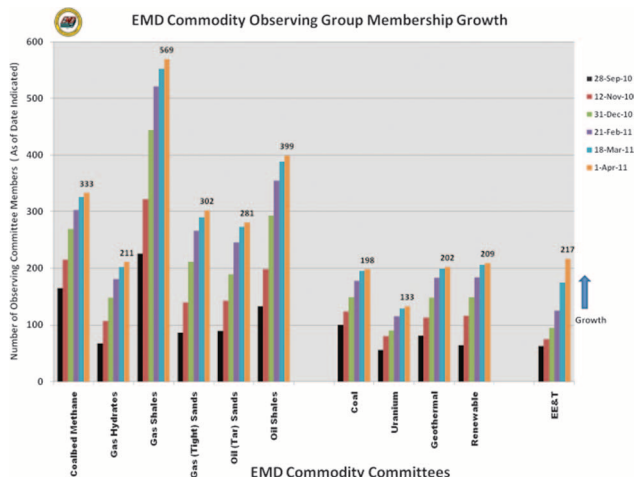
Currently there is activity in the states of Texas and Florida relating to licensing of geoscientists. These activities have kept myself, Paul Britt, and Rick Erickson very busy. Paul and I are on the Texas Board of Professional Geoscientists Task Force, organized right after Governor Perry's State of the State address where he proposed in his budget cuts to merge or eliminate 40 boards within the state and the TBPG is one of them. So a task force was organized to address this issue. See more, later in my column. We know not what is lurking in the shadows, ready to spring on us during these last few months, but I can assure you that the EC is ready to handle whatever comes our way.

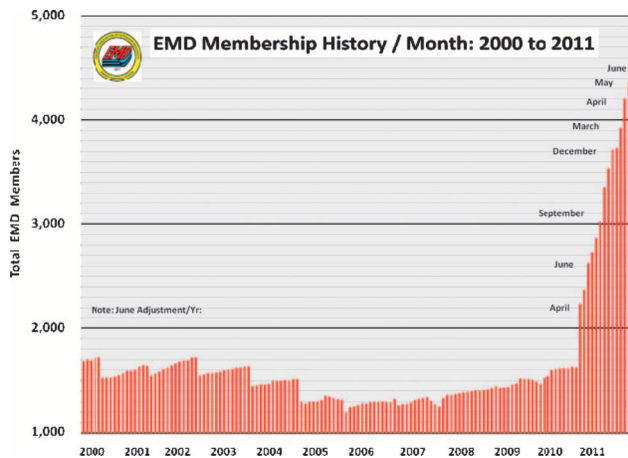
Status Of DPA Goals For 2010–2011

I present here a summary of our activities for this fiscal year with regard to the DPA goals in the Business Plan.

1. An Expanded International Presence

So far this fiscal year we have accomplished much in the goal of expanded international presence. We changed the DPA Bylaws to add six international councilors. This fiscal year we added three new councilors: Canada – Bill Haskett; Europe – John Brooks; Asia Pacific – Bob Shoup. Each new councilor is working to get the DPA active in each of these AAPG Regions. We have not been successful in defining councilors in the other three regions to date. I believe this task will fall onto the shoulders of next year's leadership team.





2. Expand Overall Membership

We undertook the largest membership campaign since Mike Party was president. The DPA needs to use "personal touch" to convince AAPG members to join the DPA. The membership committee will report on the progress of this campaign to date. We have added 68 new applications since our campaign began. With reinstatements, new members, and through reciprocity from SIPES and GSL, we added 150 our goal for this year was 200 new members. We may reach our goal by the end of the year. I strongly recommend that we continue a membership campaign in the upcoming fiscal year.

3. Gathering and Learning

Gathering and learning relates to setting up opportunities for DPA members to meet and network, offering continuing education services, becoming more involved with and obtaining more exposure at all AAPG conferences and improving our newsletter, *The Correlator*.

We have been successful in certain areas this fiscal year in moving these ideas forward. Perhaps our best achievement has been the improvement of the look, feel, and quality of *The Correlator*. We have received a number of positive comments about the 4th Quarter 2010 and 1st Quarter 2011 *Correlator*. The thanks go to our new editor Chandler Wilhelm, the newsletter contributors and the AAPG staff. Well Done!!! I was informed at the AAPG annual convention in Houston that Chandler has agreed to remain on as editor for another year. Thank you Chandler.

We have made great progress in regard to getting more involved in the AAPG Sections and Regions conferences. During this fiscal year, we will offer an increased number of short courses and luncheon talks at AAPG conferences and geological society meetings both in the U.S. and internationally. For detailed

information regarding what the DPA will be sponsoring at each Section meeting, ACE, and ICE, please contact Norma Newby for the details or review the Correlator section on the DPA Event Calendar.

The Continuing Education committee has begun to establish a list of talks and courses that the DPA can sponsor at AAPG conferences or at local societies. We will soon be adding another online ethics course. We continue to need assistance to define other courses and talks that the DPA can support and sponsor.

4. US Governmental Affairs

The DPA continues to support the GEO-DC office. The Governmental Affairs Committee continues to define the key issues important to geosciences to address with policy makers. We had a very successful "Congressional Visiting Days" in September. The State Registration and Licensing Committee continues to support our members and other AAPG members with regard to active state and federal legislation. I am sure more will be covered on these topics by the individual committees.

a. Texas Board of Professional Geoscientists (TBPG)

In February, Texas Governor Perry introduced the new budget for Texas, we learned that there was a real possibility that the TBPG would be suspended or merged with another agency. The DPA's State Registration and Licensing Committee drafted a letter (which was approved by the AAPG EC) for the governor's office and the state legislature showing our support for either retaining the board as is or allowing the formation of a self-directed semi-independent agency.

b. Florida Board of Professional Geologists

The DPA has also been active in support of the Florida Board of Professional Geologists.

With each councilor, committee member, committee chair, the DPA Executive Committee and the support of the AAPG staff, our Division Manager Norma Newby and all our members, we can only be successful in our activities. I thank everyone who has stepped up to meet the DPA challenges this fiscal year.

Daniel J. Tearpock, DPA President

Division of Environmental Geosciences

Mission Statement and Purpose

- Educating the membership of AAPG and the general public about important issues that affect petroleum energy minerals exploration and production.
- Communicating to the general public and government agencies the Association's commitment to protect the environment while developing the world's natural resources in a responsible manner.
- Applying the expertise developed in the petroleum/energy minerals industries and hydrogeology to resolve environmental problems.
- Promoting environmental self-regulation within the petroleum/energy minerals industries.
- Providing relevant educational opportunities and services for professional development of the AAPG membership through seminars and conferences in environmental geosciences, hydrogeology, and related fields.

2010-2011 Objectives

- Be well-represented at section, regional, and annual meetings
- Increase student, associate, and active memberships through active recruitment
- Communicate more effectively with our membership at large
- Promote inter-division collaboration and communication
- Improve the content and number of manuscripts published in the Environmental Geosciences Journal
- Improve website functionality and expand its content
- Support sister and local societies
- Increase environmental awareness throughout AAPG
- Stay financially solvent