



Division of Professional Affairs
ACE Council Meeting & Executive Committee
Saturday, April 21, 2012
Hyatt Regency Long Beach
Shoreline A/B
Breakfast @ 8:00 a.m.
Time: 9:00 a.m. – 3:00 p.m. (Pacific Timezone)

Preliminary AGENDA (version 04-09-2012)

- 1. Introductions/Announcements, Determination of Quorum**
(Rick Nagy, Chair)
- 2. Approval of Agenda & Flexibility of agenda** (R. Nagy)
- 3. Approval of Mid-Year Minutes**, November 5, 2011, Plano, Texas (Mark Gallagher)
- 4. President's Report** (Marty Hewitt)
 - a. Introduction of DPA Officer Candidates (election ends May 15)
 - b. 2012 DPA award recipients
 - c. 2012 DPA Awards dinner
 - d. Status of DPA
- 5. President-Elect** (Charles Sternbach)
 - a. Introduction of new Councilors/Alternates
 - b. DPA Strategic Plan
 1. 2013 NAPE – 1-day Play Maker Forum (status)
 2. Growth Engines
- 6. Treasurer's Report** (Dan Billman)
 - a. Year End 6/30/2011
 - b. Investment Portfolio
 - c. FY 2012 Budget (status) vs. actual
 - d. DPA budgetary issues related (or not) to National's budgetary issues
 - e. Preliminary FY 2013 Budget proposal
 - f. Young Professionals – Discussion on bylaw amendment for a YP Councilor position (possible action)
- 7. Council Reports (Discuss DPA Action Items Status where Applicable to Specific Section or Region Report)**
 - a. Eastern Section (David Morse)
 - b. Gulf Coast (Ralph Baird, Stew Chuber, Jim Grubb, Greg Hebertson, , Bill Meaney)

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- c. Mid-Continent (Joel Alberts, David Tschopp)
- d. Pacific (Bob Countryman)
- e. Rocky Mountain Section (Jeffrey Brame)
- f. Southwest Section (Gregg Norman, Debra Osborne)
- g. International Regions:
 - 1. Asia Pacific Region (Bob Shoup)
 - 2. Canada Region (Bill Haskett)
 - 3. Europe (John Brooks): *DPA Participation -European Region Conference & Exhibition, October 24-26, 2012, Barcelona*
 - 4. Africa Region (Adebayo O. Akinpelu)
 - 5. Middle East Region (Jim Tucker)

8. Committee Reports: (Discuss DPA Action Items Status where Applicable to Specific Committee)

- a. Board of Certification (Royce Carr)
- b. Bylaws committee (C. Sternbach)
 - 1. Vacancy in office -Immediate Past President (Article VI, Section 4) (call for vote) (*Note: distributed to Council 1-31-2012*)
- c. Committee on Conventions
 - 1. Chair of Committee on Conventions (Paul Britt)
2012 Southwest Section, May 19-22, Ft. Worth (see Osborn's report)
2012 Rocky Mountain, Sept 9-12, Grand Junction (see Brame's report)
2012 Eastern Section - September 22-26, Cleveland, OH
2012 GCAGS – October 21-23, Austin, TX
 - 2. 2012 AAPG Annual Convention April, Long Beach, CA
 - 3. 2012 ICE Singapore, Sept 16-19, 2012 (Bob Shoup)
 - 4. 2013 AAPG Annual Convention – Pittsburgh, PA: (Bob Trevail, Vice Chair)
 - 5. 2013 ICE Catagena, Colombia, Sept 8-11 (Vice Chairs, Feijo & San Martin)
- d. Education report
- e. Governmental Affairs Committee (Paul Britt)
 - 1. GEO-DC status (Britt)
(Discussion for possible change in DPA's contributions to office)
 - 2. GEO-DC Office status
- f. Membership Committee – (Rick Fritz)
- g. Publications (Chandler Wilhelm, Editor)
- h. Reserves Resources Committee (?)
- i. State Registration and Licensing Committee (Rick Ericksen)
- j. Website Committee (?)
- k. Ad Hoc Committees

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- 1) Long Range Planning Committee - no report
- 2) External Affairs Committee – no report

9. Other Business

a. Other

b. **Executive Session**

10. Approval to adjourn

SAVE THE DATE! 2012 Mid-Year Meeting: November 2-3, 2012, Houston, Texas,
Hotel Sorella, 800 Sorella Court, Houston, Texas



Division of Professional Affairs
2012 Midyear Council & Executive Meeting
Saturday, November 5, 2011; Time: 9 AM to 4 PM
Plano Marriott at Legacy Town Center; Guadeloupe Room 230; 7121 Bishop Road Plano Texas 75024

Minutes of Meeting

Agenda Item 1 (9 AM): Call to Order - Introductions/Announcements/Determination of Quorum (Ricky Nagy, Chair)
Present:

DPA Executive Committee:

Marty Hewitt, President
Ralph Nagy, Vice President and Chair of Councilors
Charles Sternbach, President Elect
Dan Billman, Treasurer
Mark Gallagher, Secretary

Councilors:

Eastern Section: David Morse
Gulf Coast Section: Ralph Baird, Bill Meaney and Chandler Wilhelm
Mid Continent Section: Joel Alberts and David Tschopp
Pacific Section: Bob Countryman (by phone)
Rocky Mountain Section: Jeff Brame
Southwest Section: Debbie Osborne and Greg Norman

Committees:

Committee on Conventions & Governmental Affairs: Paul Britt
Membership – Rick Fritz (by phone)
Publications: Chandler Wilhelm –

AAPG Staff:

Norma Newby

Special Guest:

Scott Douglas - AAPG Young Professionals Liaison

Agenda Item 2 (9:08 AM): Approval of Agenda - Ralph Nagy called for approval of agenda

1. Motion by David Morse to approve agenda.
2. Seconded by Joel Alberts
3. Motion carried

Agenda Item 3 (9:11 AM): Approval of Minutes, [April 9, 2011, Houston, Texas](#)

1. Motion by Marty Hewitt to approve minutes as submitted.
2. Seconded by Joel Alberts
3. Motion carried

Agenda Item 4 (9:13 AM) Vice President Report (Ralph Nagy)

No written report submitted. Charles Sternbach will discuss the DPA surveys. It is important for DPA to show value to AAPG and the DPA Membership.

Agenda Item 5 (9:14 AM) President's Report (Marty Hewitt) President Hewitt, thanked everyone for their service to the DPA and their time spent with DPA. He discussed: At our August Kick off Meeting we discussed our agenda for the upcoming year.

- a. The current status of the DPA
- b. Summarized the business plan goals for year and current status
- c. Reported of DPA events

International Presence – We now have Councilors representing all of the AAPG Regions with the exception of Latin America, growing DPA globally is our challenge and is our long term goal. ICE in Milan and the two DPA programs were fantastic. Congratulations to John Brooks for pulling this off.

Councilor Engagement – The role of the Councilor is critical to the growth of the DPA. Councilors are members of the DPA membership Committee. By definition, Councilors serve as representatives of their respective Section/Region and should be aware of the: number of certified members within their Section/Region and report to leadership of their Section/Region regarding the DPA's activities.

Membership – Rick Fritz is our new Membership Committee Chairman. The DPA needs to build a compelling case for new members. A subcommittee including Charles Sternbach, Rick Fritz, Dan Billman and Paul Britt are exploring new "revenue growth engines" and will be reporting their findings at our meeting later today. At Leadership Days in Boulder in mid- August, our Young Professionals showed tremendous interest in getting engaged with the DPA. A DPA "member-in-training" concept was discussed and will be explored by a subcommittee lead by Dan Billman and a representative from the Young Professionals Committee who will also report out at today's meeting.

Gatherings & Learnings – Paul Britt is Chair of Conventions. In 2011- 2012, we have had DPA events at three meetings. At the Eastern Section meeting in September in Washington D.C. the DPA coordinated an Energy Policy Forum which was well attended. David will be reporting on that meeting later today. In October at the Mid-Continent meeting in Oklahoma City, we hosted a luncheon with guest speaker Rayola Dougher from the API. I just returned from a very successful ICE in Milan. John Brooks coordinated an excellent program with Tony Hayward as our luncheon speaker discussing the challenges of Energy Security which was followed by an afternoon forum with four speakers discussing a potpourri of topics from the resource endowment offshore the west coast of the USA to who owns the Arctic. Unfortunately, the GCAGS meeting in Veracruz, Mexico was cancelled. Looking forward to the ACE in Long Beach, we will be co-hosting a luncheon with PROWESS with two guest speakers. Dr. Sally Benson of Stanford University will be speaking to us on "Energy and the Environment – The Future of Energy" and Dr. Sharon Mosher from the University of Texas will be speaking to us on "Science and Crew Change". President-Elect Sternbach has also organized another "Discovery Thinking" Forum with five speakers selected including several from Occidental to discuss their recent exploration activities in the San Joaquin Valley. Bob will be updating us on ACE later today. The committee is also working on programs for the 2012 Southwest Section meeting in Fort Worth, Rocky Mountain Section meeting in Grand Junction, Eastern Section meeting in Cleveland, Gulf Coast Section meeting in Austin, ICE in Singapore and the 2013 ACE in Pittsburgh.

Government Affairs – Our presence in Washington is more important than ever. The AAPG's Executive Committee re-authorized the Geo-DC office in their June meeting. As you know, David Curtiss has recently been appointed as the AAPG's new Executive Director and leaves a big gap in our Washington leadership. In the interim, the Geo-DC Board of Governors will be responsible for the office until we find a replacement for David. The Geo-DC office plays a valuable role for the AAPG membership and our goal is to assure that its operating level of excellence persists.

2011 HOD Meeting - Those of you who are Delegates will recall that at last year's HOD Annual meeting in Houston legislation regarding the addition of a certified member category was defeated as the required 2/3 Delegate vote was not achieved. However, we did have a majority of the votes. Through Terry O'Hare, the Chair of the Survey Sub-Committee of the AAPG Membership Committee, we have recently sent out a survey will be gathering data for the potential re-consideration of the "certified as a member class" Bylaw amendment proposal for the next HOD meeting in Long Beach.

Past President - Daniel Tearpock, has resigned from his role as Past-President, I have asked Past- President Mike Party has agreed to take over Dan's roles leading Honors & Awards and Nominations.

40% of My Role - Past-President Paul Britt told me when I became President-Elect that about 40% of my role would be filled by unexpected events. So far, this year's unexpected event has been the Texas Bureau of Professional Geoscientists (TBPG) proposed rule changes announced in late September regarding mandatory licensure of geoscientists in Texas. Mark Gallagher took the lead in drafting a response to the TBPG on behalf of the DPA and AAPG.

In closing, I would like to thank my employer, Nexen Petroleum USA Inc., who has been fully supportive of my three year term serving the DPA and AAPG.

Agenda Item 6 (9:24 AM) President-Elect Report (Charles Sternbach)

Agenda Item 6 Part a (9:24 AM) Councilor appointments\ positions that need to be filled (total 8):

Pacific Section (1)
Rocky Mountain Section (2)
Eastern Section (1)
European Region (1)
Canadian Region (1)
Asia Pacific Region (1)
Latin American region (1) Charles Sternbach really wants to emphasize DPA in this region.

Marty Hewitt Question: Specific councilors by-laws = 3 year term? Answer by Norma Newby: International regions (Europe, Canada, Pacific) = volunteers because we did not have did not have 2 candidates (small DPA international membership). Comment by Charles Sternbach: Our stated goal going forward is two candidates. **Marty Hewitt Question:** Could we ask councilors to stay on to longer terms so that we could stagger these elections? Answer by Norma Newby: Yes, we need to stagger. We will ask councilors to stay on. Comment by Paul Britt: Best source for candidates are the region presidents.

Agenda Item 6 Parts b and c (9:34 AM) 2011 Councilor Survey Results

- 2011 initiative to better engage DPA councilors
- Prepared 14 questions that were reviewed with the DPA EC
- Sent to Councilors Sept 26, responses received Oct 10th, 87.5% response rate (14/16)
- Highlights to be presented at Mid-year meeting and summarized in an article for the Correlator (11/15)

Results of the Councilor Survey (Questions 1 through 14):

1. Ideas/Opportunities to improve communication with DPA members in Section or Region: e.g. possible DPA local events or town halls:

- Publicize DPA issues at conferences and meetings,
- Ally with SIPES, host events at conventions and conferences
- Generate social network forum with UID & Password (Norma Newby has started a DPA Group on Linked In.)

2. Ideas/Opportunities to improve communication with DPA and AAPG leadership: e.g. Web based, e-mail, surveys like this, or periodic conference calls?"

- Recruit AAPG Elected officials to be Certified if not already
- Seize opportunities to meet with EC and ED

3. New Growth Engine ideas: e.g. DPA is currently reviewing possibilities to host: (**agenda item 6.c.**)

- 1-2 day conferences at ACE, ICE, NAPE, etc. on DPA centric professional issues such as prospect generation/evaluation, scouting information, business practices, etc. Web based courses: geosteering, economic analysis, seismic attributes, advanced plays, tools like SMT, GGX, Shale Play "above ground issues" fracking, reserves, politics, how to communicate with media, etc. **Rick Fritz Comment:** Things are changing at NAPE. There is no body that handles NAPE.
 - AAPG playbook/scout check
 - Conference at NAPE problem – will have to share revenue
 - define what is DPA role with NAPE through the executive committee
- Other venues for growth: SEG, SPE, NAPE and prospect expos
- Ethics courses for multi-disciplines: geoscientists, doctors, lawyers, realtors, journalists
- Timeline: review Mid-year meeting, write up proposals mid November, and review with AAPG leadership early December. Communicate to EC, councilors, DPA, AAPG as appropriate 2012.

4. DPA is looking for local experts that could contribute to a possible DPA "Scout Check" program. Individuals in your section/region that are up to date on play activity and that might be willing to serve in this potential new program:

- List of DPA members by region
- Great idea
- Careful not to step on toes
- Asia has formal scout check
- How many here go to NAPE?
- How many DPA members support NAPE?

5. Ideas for authors, topics, articles for DPA Correlator:

- Review of Milan event(s)
- Consider our goals, tasks and objective as presentation titles, Convert Business plan bullets to topics. Easily select 12 of them from "Present Realities", "Goals and Tasks", and distribute' m along the year. These will allow DPA to learn more and think out of the box; Stop Advertisements.
- Maybe write an article "why would anyone out of the US ever consider joining DPA?"
- Updates on shale well permitting and Fracing issue.
- CAS Recap of this survey, upcoming events at conventions, Discovery Thinking forums
-

6. Ideas to recruit new DPA Councilors and Members in Section or Region:

- You have to know the members and get those that are willing to serve and work hard.
- Personal network
- Special recruiting events
- Mentoring and young professionals
- Focus on proven leaders

7. Comments on DPA strategic plan. Councilors and Members in Section or Region:

- Overall the plan looks great. I see the biggest challenge as getting more AAPG members to join and getting more DPA members active.

8. Thoughts for expanding global presence and Members in Section or Region:

- Select the main cities world-wide for E&P where CPD exceed 100 and hold events via the Section/Region Council. Start with one in Houston, London and Aberdeen
- Make international (particularly NOC) recruitment a priority. Lead by example, engage NOC success stories (e.g. Alfredo Guzman for PEMEX)
- Proceed with caution. Many regions are very ethically and professionally compromised
- Prepare DPA presentations for specific regions (can deliver via internet)
- Focus on professional practice, ethics, mentoring

9. Suggestions for speakers and programs at section/regional meetings, ACE, ICE:

- Support ACE rotations to non US cities
- Government speakers: Lead by example, engage success stories e.g. governor of North Dakota good role model
- Not another lobbyist!
- CAS suggestions for Paul Britt, Discovery Thinking forum for Singapore; big thinkers at section lunches: George Friedman, GCAGS, Boone Pickens SWS, Bill Barrett or Jack Dalrymple Governor ND for Colorado, Pittsburg?

10. Thoughts for GeoDC office, programs, goals: Members in Section or Region:

- With Curtiss ED, we should revisit the need to have the office. I suspect the best value was congressional visit days, which we can organize without a DC office.
- Emphasize what benefits in relations with NSF and other governmental science agencies will have for CPGs and Members outside the US.
- Address issues which are of concern on which legislators are not aware
- Seek advice from David Curtiss

11. Industry Leaders that DPA could work together with to expand DPA goals/agendas, programs, goals: Members in Section or Region:

- There is a plethora in the US and Europe, other regions may not find it so easy
- Look for the guys that are semi-retired. Many of those guys are respected, well known and would love to expand the program.

12. Currently dues are \$40 per DPA member. Dues were last increased in 1993. How might your section or region react to a modest raise in dues? Program goals: Members in Section or Region:

- Bump them up \$10. You will not find many that will drop out and the increase will pay for itself. Why have we not already done this
- We may need to concentrate on "selling the value" of DPA before we increase dues
- I'd rather get more DPA members than raise dues to meet the budget.
- I would accept it
- Majority are OK with increase

13. The DPA executive council will be considering a proposal to develop a "member-in-training" classification. Young professionals have expressed interest in joining DPA. Do you see this as a classification that would be appreciated in your section or region? programs, goals: Members in Section or Region:

- Set out the qualifications necessary for CPD and stick to them, superficial so called 'training' is necessary and liable to put off young people in my view
- Yes, I think, the local chapters would be of interest to young professionals and great networking activity.
- This is a great idea. Anything that gets members and potential members together helps build the DPA is of value. We are basically building relationships. Relationships have been the main source of new members for a long time.
- Clarify difference between practice and experience, make transition smooth
- Majority favors

14. Please provide some examples from your Section/Region how DPA adds value to its members:

- AAPG/DPA needs to convey fine work of members in anecdotes to public, policy makers government leaders
- Elected AAPG Members should be certified
- Raising the external view/significance of DPA certification should be the first priority. Once this is achieved, increased membership will naturally follow
- introduce Ethics and professionalism without boarders
- Certifying abilities is "not an award".

Agenda 6 Part d (9:59 AM) - Charles Sternbach Comment: Discovery thinking at AAPG/DPA forum (Long Beach Monday April 23 at 5 pm) these talks will be placed on AAPG Search and Discovery.

10:26 AM: Finished agenda #6

[Change in Agenda to conserve time]

Agenda Item 9 d. (10:27 AM): Pacific Section Report (Bob Countryman by teleconference)

DPA functions at the Pacific Section meetings:

2011 PSAAPG Meeting was held in Anchorage, May 9-11

DPA activities included:

- 1) DPA sponsored short course: "Managing Your Business using PRMS (Petroleum Resources Management System)" taught by John Etherington; on May 12. 9 people attended the class.
- 2) DPA Luncheon with Dr. Mark Myers as the speaker was held Tuesday May 10 with attendance at about 30 people.
- 3) Ethics Lecture given by Dr. Rusty Riese was very well attended; over 50 people attended and 15 individuals requested PDH certificates from DPA.

2012 PSAAPG Meeting: The 2012 PSAAPG meeting will not be held as we are hosting the 2012 ACE at Long Beach.

DPA activities planned include:

- 1) DPA Luncheon: Our partners Prowess have lined up several alternative speakers: Dr. Sally Benson, and Dr. Sharon Mosher.

2) Discovery Thinking Forum. 5 speakers have been selected including several from Occidental to discuss their recent exploration activities in the San Joaquin Valley including their large discovery.
2013 Meeting: The 2013 PSAAPG meeting will be at the Portola Hotel in Monterey, CA

[10:35: 10 minute break]

Agenda Item 7 (10:51 AM): Treasurer's Report (Dan Billman) Part 1: Financial information is reported\ presented in three (tables) areas:

Agenda Item 7a. Year End 6/30/2011 (unaudited) and Agenda Item 7c. FY 2012 Budget (1st qtr)

Table 1: DPA Income and Expense Statement for FY 2011 with a comparison to the 2012 budget - still being audited by AAPG audit department. We will see the audited version in April 2012.

The DPA, for fiscal year 2011 is showing an income of \$121,866 which is approximately 13% less than the budgeted \$140,650. The reason for this shortfall is significantly less service fees and income from meetings and conventions. From the expenses side of the yearly figures, DPA is \$164,417, which approximately 16% under the budgeted expenses of \$195,382.

Comments: Possible Generation Engines for the DPA

1. Increased revenues from meetings
2. Increase membership dues

Table 2: Finances of planned DPA awards dinner at 2012 ACE – Queen Mary Sir Winston Churchill Restaurant: total cost for 75 attendees is \$7903.25. Essentially, we will have a cash bar and a more limited "invited" list to be more fiscally conservative. The last time, we held this event in Long Beach the cost was over \$10000.

Agenda Item 7b. Investment Portfolio

Table 3: Unaudited FY2010 DPA Investment Portfolio Account Statement for the period July 01, 2010 to June 30, 2011 (the previous fiscal year): The fair market value was up approximately \$108,000 from its beginning balance of \$539,314 to \$647,313.

Dan Billman's Comments on Growth Engine Ideas: Remember these ideas could help us grow the membership; we will have to pay our increased expenses.

Question Marty Hewitt: Investment portfolio, \$650,000 is this a portion of a bigger portfolio? Answer: Dan Billman: Yes. We have no control. It is not a "cash on hand" account. Comment by Norma Newby: the account is administered by the AAPG Investment Committee.

Question Ralph Baird: Is this AAPG part of the AAPG Foundation? Answer: Dan Billman and Rick Fritz: No, this is the AAPG.

Question Mark Gallagher: If we did not have the GEO DC office, would we break even? Dan Billman Answer: Yes, we have run a negative cash flow for 3 – 5 years. This is not sustainable. This is not saying there should not be a GeoDC office. Rick Fritz Comment: It was never thought that this was sustainable. Paul Britt Comment: There is an expectation for the DPA to keep this as part of our budget. Rick Fritz Comment: if the AAPG pays less this year on the GeoDC office (possible \$150,000 savings), the DPA should ask to pay a proportionally smaller amount for the GeoDC office this year.

Question by Paul Britt: Is this (DPA income) pooled with AAPG? Dan Billman Answer: Yes, we are pulling our losses out of our pooled account with AAPG. We do not have our own money, it is pooled with AAPG. Dan Billman Comment: We are on pace to be out of money in 12 years. Charles Sternbach Comment: This is why we are compelled to have a growth engine.

Agenda Item 7d. DPA budgetary issues related (or not) to National's budgetary issues

Dan Billman Comment: Let's move on. We have our own budgetary issues, and national AAPG has its own budgetary issues. How will we rectify this? Rick Fritz Comment: AAPG deficit is due to internationalization of AAPG. It looks bad but these offices are beginning to pay for themselves. We are borrowing from ourselves to grow the association. Globalization effect will cost money. Also, back to back conventions in Tier 2 or 3 cities will also hurt us financially. All of this planned.

Paul Britt Comment: First, we should consider making our GEO DC contribution a % of investment portfolio rather than a fixed amount. Second, when you get your dues statement –add a line item to contribute straight to the GEO DC office. At this time, this is a suggestion not a motion. Ralph Baird Comment: we need to look at sponsoring an event at the National Press Club. This could be a profit making event. Dan Billman Comment: This is a growth engine topic. Charles Sternbach Comment: If we did this we would need Boone Pickens as a speaker. Ralph Baird Comment: We could ask Scott Tinker.

Agenda Item 7e. (11:36 AM): Part 2 (Dan Billman) Dues Increase

Councilors Surveys were favorable to dues increases. Coal geologists are one-half the dues of certified geophysicist or geologist, because they are also members of the EMD. EMD no longer charges dues. Dan Billman Question Is this a by-laws change? Norma Newby Answer: This is not a bylaw change. Dan Billman Comment: Bring coal geologist up to the same amount. There are 17 coal geologists.

Dan Billman Comment: Dues increases will **NOT** solve our financial problems but it will help. The last dues increase was in 1994. Chandler Wilhelm Question: What is the process to raise dues? Marty Hewitt Answer: A motion. 3000 members at \$10 each would equal \$30,000. \$30,000 will help close our deficit gap. This has been discussed for a year. Councilor surveys were favorable on a dues increase. Chandler Wilhelm Question: When would this be effective? Dan Billman Answer: Fiscal Year 2013 Dan Billman.

Norma Newby 4/2/12 1:58 PM

Deleted: Charles

1. Motion by Dan Billman: That the DPA Raise the dues by \$10 to \$50. This would not be retroactive and would in effect in Fiscal Year 2013.

2. Second by Joel Alberts

Nagy: is there comment, discussion or questions: What is the potential to lose members? Dan Billman Answer: Opportunity to express the importance of DPA with GEO DC. We have the ability to be involved in policy.

Mary Hewitt: will write the letter with Dan Billman for the Correlator concerning the dues increase.

David Morse: Question called

3. Ralph Nagy vote on motion, motion carried. Vote unanimous.

Agenda Item 7 Part 3 (11:50 AM): Part 2 (Dan Billman) DPA Sponsorship

1. We should consider company sponsorship of DPA events.
2. Business card sponsorship on the website

Meeting Resumes (12:10 pm)

Agenda Item 7f. (Dan Billman) Young Professionals – Member-In-Training

Scott Douglas is here representing young professionals.

(Please see Dan Billman's article in the Correlator)

Dan Billman Question and Answer: Do we want to bring young professionals into the DPA? The consensus answer is "yes."

Dan Billman Question and Answer: Is this a problem with AAPG, SIPES and Geological Society of London? We don't think there will be a problem.

Scott Douglas Comment: Not an issue here. All young professionals at leadership days were excited about it. It would help membership.

Chandler Wilhelm Question for Scott Douglas: What are you looking for? Scott Douglas Answer: Good for professional career and networking. This would be a big draw for many young professionals.

Marty Hewitt and Dan Billman Comment: Tremendous enthusiasm at Leadership Days for this idea. Dan Billman Comment: 6 to 8 years and 8 professionals

Chandler Wilhelm Comment: We need this because of the bi-modal distribution in our membership.

Norma Newby Comment: 60 days before meeting.

Rick Nagy/Dan Billman Comment: Put nomenclature together, 60 days before Long Beach.

Agenda Item 8: Past President's Report Marty Hewitt for Dan Tearpock

There is no past president's report. Mike Party will fulfill this role for Dan Tearpock

- 2012 Awards
- 2012 Nomination of officer candidate – Please forward your nominations and ideas to Mike Party as soon as possible.

Marty Hewitt recommended John Brooks – "certificate of merit" for a great program at the Milan ICE.

Paul Britt Comment: Normally at this meeting, lately it has been after the fall meeting. Awards will require our approval. Officer candidate – requires EC approval.

Agenda Item 8a: Honor and Awards (Paul Britt)

- Life Membership – highest award
- Distinguished Service
- Heritage Award – For those who have excelled in the field of petroleum geology and through their endeavors have inspired or mentored others in the work they have done. This has not been awarded in a while
- Best paper – This has not been awarded in a while
- Certificate of Merit – [Awarded to those for special service, i.e. vice chair of meeting, etc.](#)

Past recipients are on the website

Marty Hewitt Comment: Recommendation to Mike Party to give Heritage Award

Mark Gallagher Question: Can we award Heritage Award to Dan Tearpock? Paul Britt Comment: past recipients of the Heritage Award or Michael Halbouty, Bill Fisher and John Amarouso. Dan Tearpock would be logical for Life Membership or Heritage Award.

Marty Hewitt Comment: I will make the recommendation to Mike Party to award Dan Tearpock the Heritage Award.

Agenda Item 9: Council Reports

Agenda Item 9a: Eastern Section Report (David Morse)

Washington DC Section Meeting, 500 in attendance – more successful than expected and it made a profit. DPA was the sponsor for the Energy Policy Forum on Natural Gas and Our Nation's Energy Future. This was chaired by David Curtis and included speakers/panelists from the Center for Strategic and International Studies, a Congressional staffer from the Senate Energy and Natural Resources Committee and the Director of the EPA Office of R & D. This was well attended and energetic. DPA contributed a \$1000 investment to sponsor the event. There was no DPA luncheon at this meeting.

Next Meeting will be in Cleveland September 2012.

Agenda Item 9b: Gulf Coast Section Report (Chandler Wilhelm, Bill Meaney, Ralph Baird, James Grubb, Stew Chuber)

(See the attached report) GCAGS Meeting was canceled in Vera Cruz.

Agenda Item 9c: Mid Continent Section Report (Joel Alberts and David Tschopp)

1.) DPA functions: The 2011 AAPG Mid-Continent Section Meeting was held in Oklahoma City, Ok from October 1st- 4th, 2011. A DPA luncheon during the meeting was held on Tuesday, October 4th featuring Ms. Royola Dougher, Senior Economic Advisor with the American Petroleum Institute, as keynote speaker. Her talk "Energizing America: Facts for Addressing Energy Policy" was well received by a large audience. Please see attachment on attached page.

Norma Newby 4/2/12 1:59 PM

Deleted: This has not been awarded in a while

2.) Membership recruitment:

Lists of DPA candidates have been circulated and numerous contacts made. A list of attendees for the DPA luncheon has been requested to generate additional candidates. The prepared materials provided have been very helpful in establishing an initial dialog that generates discussion and questions from the candidates.

3.) Mid Continent has a successful Young Professional Program.

Agenda Item 9d: Pacific Section Report (see Bob Countryman's report delivered at 10:27 AM - above)

Agenda Item 9e: Rocky Mountain Section Report (Jeff Brame)

The 2011 RMS-AAPG Meeting was held June 25-29 in Cheyenne, Wyoming. The DPA arranged and sponsored a luncheon and talk titled "Wyoming Oil and Gas Overview" presented by John Robitaille, Vice President, Petroleum Association of Wyoming. This function was an overwhelming success with an attendance of 130 people and a \$653.40 in profit to the DPA.
Rocky Mountain Section DPA Membership: 362 members as of October, 2011

Agenda Item 9f: Southwest Section (Debbie Osborne)

The 2012 Southwest Section convention will be held May 19-22, 2012 at the Fort Worth Hilton. We have contacted the convention committee and are in the planning stages. I have asked that DPA be allowed to sponsor a luncheon and they have agreed. At this time I do not have a date or a speaker. The Cont. Ed. Chairman will be contacted for a list of speakers for the luncheon and topics to encourage a DPA short course as well.

Agenda Item 10a: Board of Certification (R. Carr, not present)

The Board approved twenty-eight (28) applications during the current reporting period (April 2011 through September 2011):

Certified Petroleum Geologists: 31

Certified Petroleum Geophysicist: 3

Total: **34**

We also have twenty-nine (29) in pending status awaiting completion of delegate reports, sponsorship forms or reciprocity approval:

Certified Petroleum Geologists: 28

Applications include:

One SIPES Reciprocity Application

Two GSL (Geological Society of London) Reciprocity Applications

Five Reinstatement Applications

Certified Petroleum Geophysicists: 1

Certified Coal Geologists: 0

Total: **29**

Agenda Item 10.b. Bylaws committee (C. Sternbach) 1:15PM

Bylaws (proposed changes shown in red).

Change 1: Article VI. Officers SECTION 4. A vacancy occurring in the offices of Vice President, Secretary, or Treasurer shall be filled by the DPA Council. A vacancy in the office of President shall be filled by the Vice President. A vacancy of immediate Past President shall be appointed by the President of the DPA.

Change 2: Article III. Membership SECTION 4. Applicants for Certified Petroleum Geologist, Certified Petroleum geophysicist, and Certified Coal Geologist shall affirm their adherence to professional and ethical standards of the Code of Ethics of AAPG and shall provide three **two Sponsors who must be certified members of the Association having present knowledge of the applicant's professional qualifications and ethics.**

To further streamline certification process: reduce published time from 60 days to 30 days (applicants are being published on the website and print copy). This would NOT require a bylaw change only under the DPA Policy and Procedural change. (...long long discussion...)

Summary of Discussion

Marty Hewitt Comment: Is this necessary?

Dan Billman Comment: Went back to "certification committee report"

Norma Newby Comment: We are considering a ftp site.

Marty Hewitt Comment: As soon as possible, we need to go ahead with the ftp site.

Final Comment – Charles Sternbach (see DPA president elect report)

- Change 1: Good
- Change 2: Part 1, no

(5 minute break)

Agenda Item 10e: Government Affairs Report (Paul Britt)

1. Absence of a director in the GeoDC office. Pete McKenzie with the board of governance of the Geo DC office will form a search committee with two members appointed from the DPA. This will probably be the DPA Government Affairs Committee Chairman and the DPA President. If you are interested are have a nomination, please submit them to Paul as soon as possible.
2. Keystone Pipeline
3. BP has their first offshore permit

4. MMS to BOEMER
5. There were seven AAPG statements approved and six pending
6. Government Affairs Short Course on hold for now. Because of David Curtis assuming the role of Executive Director. Target venue is the section meeting.

(This report is continued below)

Agenda Item 10f: Membership Committee Report (Rick Fritz)

1. Rick Fritz stated that his primary work has been in the last quarter has been the Onshore Science and Technology Conference. This would be the onshore equivalent of the OTC and a fantastic growth engine for the AAPG. The target is to hold the first meeting in Denver in September of 2013. Last Thursday – senior VP from several operating companies and service companies gave us a “green” light. SEG is on board, SPE is thinking about it. AAPG will be the operator. Presentations will range from play based discussions to operations. DPA could have a big role in this. The ultimate goal is that this will be bigger than any of our present meetings. The direct competition for this meeting will be the “private held – expensive – for profit meeting”. Mark Gallagher question – Will compete with our section meetings?” Answer Rick Fritz – No. Charles Sternbach Question – “What are the DPA possibilities?” Ralph Beard comment – “Too many meetings.” Mark Gallagher – “There are damn too many meetings...” Rick Fritz Comment – “the goal is to eliminate meetings.”

2. I have primarily been focused on asking AAPG Leadership to join DPA. Several have committed and I am working to get them to join as are many of the DPA councilors. The concept is once we have the leadership well covered then we can use them to entice their peers to join. In addition, we have been working with Charles Steinbach's Ad Hoc Committee to evaluate “growth engines” that will entice new members and revenues into DPA. One of these concepts is called the DPA Playbook and Scout Check. This will be explained in greater detail at the meeting. Also, we are looking at a model whereby DPA will be AAPG primary representative at NAPE. This will increase DPA's exposure and if we can prove value added then we can request a small percentage of revenue from the meeting. This revenue could be from \$20K-\$40K. The above is designed to increase AAPG membership.

3. Why do people join DPA? Do the right thing, peer pressure and see the value add. We must get involved with NAPE and look for value added on-line play publications.

4. Membership total DPA
- Membership is stagnate
 - 5 year gain is 108 (4% growth)

Agenda Item 10e: Government Affairs Report continued (Paul Britt)

Item 7: Mark Gallagher Comments on the TBPG Proposed rule changes. (This guy spoke a long time.)

In summary, AAPG, DPA, SIPES, TIPRO, several local geological societies and several companies wrote letters of protest and the TBPG reversed itself and did not enact the changes. Thank you to Rick Erickson, Paul Britt and Ralph Baird for their leadership.

Paul Britt this concludes the Governmental Affairs Committee Report 2:56 PM

Agenda Item 10c: Committee on Conventions (Paul Britt) 2:58 PM

1. Marty Hewitt Comment: on behalf of the DPA EC, send a quick email to Paul Britt for award nominations.
2. We need to get control of the schedule of meetings (any meetings nationally or section)
3. Paul Britt Comment: My goal is to see the need and find someone to do the work – DPA Luncheons, Short Courses, etc.

Agenda Item 10d: Education Report (Norma Newby) – Four online ethics courses: two video and two MS PowerPoint – they are open to anyone.

Agenda Item 10g: - Publications Committee (Chandler Wilhelm) –looking for committee on the Milan meeting. Next issues are December and Q1 2012. (before Long Beach.)

Dan Billman Question: Should the Young Professionals Committee be an Adhoc Committee? Marty Hewitt Answer: Yes

Agenda Item 11: Move to Other Business 3:12 PM

Agenda Item 11a: Marty Hewitt Comment: familiarize yourself with your DPA duties.

Agenda Item 11c: Executive Session 3:15 PM

- **Chandler Wilhelm – motion to adjourn**
- Dan Billman – second
- Motion carried – unanimous

Drinks at 6PM and Dinner at 7PM (Jasper's)

**DPA President
Marty Hewitt
Annual Meeting Report
April 21, 2012**

It has been an honor serving as the President of the Division of Professional Affairs for the 2011-2012 term and a pleasure working with the dedicated professionals on my Executive Committee - Vice-President Rick Nagy (Gulf Coast Section), President-Elect Charles Sternbach (Gulf Coast Section), Secretary Mark Gallagher (Southwest Section), Treasurer Dan Billman (Eastern Section) and Past-President Dan Tearpock (Gulf Coast Section). Thanks to each of you for your commitment to the DPA and the AAPG and a special thanks to Dan Tearpock, Dan Billman and Rick Nagy as their terms on our Executive Committee come to an end.

I know that each of us recognize what a privilege it is to lead our 3000+ members from around the globe.

The election for our 2012 – 2015 Officers is underway. Nominees for President-Elect are Michael R. Canich (Eastern Section) and Valary S. Schulz (Southwest Section). Nominees for Vice-President are Paul H. Pause (Southwest Section) and Chandler T. Wilhelm (Gulf Coast Section). Nominees for Treasurer are William J. Haskett (Canada Region) and Debra P. Osborne (Southwest Section). Thanks to Mike Party and his committee for putting together this fine slate of candidates.

Joining our executive team are 15 Councilors representing DPA members in almost every Section and Region. In the US Sections, Greg Hebertson, Jim Grubb and Ralph Baird were elected as new Gulf Coast Councilors for the 2011 – 2014 term. They join Stewart Chuber and William Meaney to represent the Section. Debra Osborne was elected to represent the Southwest Section joining Gregg Norman. David Morse (Eastern Section), Joel Alberts and David Tschopp (Mid-Continent Section), Bob Countryman (Pacific Section) and Jeff Brame (Rocky Mountain Section) round out our domestic Councilors. Thanks also to each of you for your service to the DPA and the AAPG. You are fine representatives of the DPA members in your Sections. A special thank you to David Morse, Bob Countryman and Jeff Brame for their service as Councilors as their terms come to an end.

Internationally, we have Councilors representing all Regions with the exception of Latin America. International Councilors are Bob Shoup (Asia Pacific Region), Bill Haskett (Canada Region), John Brooks (European Region), Adebayo Oladele Akinpelu (Africa Region) and Jim Tucker (Middle East Region). Thanks to each of you for your commitment to the DPA and the AAPG. It is a challenge for the DPA to grow globally and we appreciate you being the trail blazers in being our Regional representatives for the Division.

Looking forward to the 2012 – 2015 term, President-Elect Charles Sternbach put together a fine slate of nominees to fill the vacant Councilor positions. Patrick M. Imbrogno was elected Councilor for the Eastern Section with Jay G. Henthorne and Hannes E. Leetaru as Alternates. Donna S. Anderson and Robert F. Garvin have been elected as Councilors for the Rocky Mountain Section with Clifford C. Clark, Peggy Williams, David A. Wavrek and Jeff Brame as Alternates. John T. Williams was elected Councilor for the Pacific Section with Kurt E. Neher as Alternate.

In our International Regions, Robert C. Shoup was elected Councilor for Asia-Pacific with Abul (Shams) Shamsuddin as Alternate. William J. Haskett was elected Councilor for Canada Region with Sanjeev S. Thakur as Alternate. John R. V. Brooks was elected Councilor for European Region with Iain P. Wright as Alternate. We're pleased to welcome our first Councilor for the Latin America Region with Flavio J. Feijo elected as Councilor and Hector San Martin as Alternate.

To kick-off our 2011-2012 term, our EC held a ½ day summit in early August along with key committee chairs to brainstorm our objectives for the term. Building on last year's Business Plan put together by Past President Dan Tearpock and his Executive Committee, the following main themes were identified as focus areas:

International Presence – Growing DPA globally is a challenge and is a long term goal. Demonstrating the value of certification is a challenge both globally and domestically. As noted above, Councilors are now in place for all International Regions.

Councilor Engagement – The role of the Councilor is critical to the growth of the Division and is outlined in our Bylaws. Councilors are automatically members of the DPA membership Committee. By definition, Councilors serve as representatives of their respective Section/Region and should be aware of the number of certified members within their Section/Region. Councilors shall inform the leaders of their Section/Region regarding the DPA's program of activities, especially as it relates to cooperative participation and service. Representatives should make monthly announcements at their local society meetings about DPA activities and solicit new members. Charles Sternbach worked throughout our term to explore ways to get our Councilors more engaged in representing their Sections and Regions going forward. This initiative will continue next year.

Membership – Rick Fritz was appointed the new Chair of our Membership Committee. The DPA needs to build a compelling case for new members. What's the DPA value proposition? What is our current state and where do we want to be? What is our purpose and has that changed with time? Does our

membership process need to be more welcoming? What can we do to enhance our diversity— are we underrepresented in various categories? Rick has kicked off a campaign with our Councilors to contact high profile AAPG members as a starting point and encourage their membership.

A subcommittee including Charles Sternbach, Rick Fritz, Dan Billman and Paul Britt spent the year exploring new “revenue growth engines”. One initiative the committee is working on is to have the DPA and AAPG have a bigger presence at NAPE. The committee is working with the AAPG’s Executive Committee to move their proposals forward.

At Leadership Days in Boulder in mid-August, our Young Professionals showed tremendous interest in getting engaged with the DPA. A DPA “member-in-training” concept was discussed and was explored by a subcommittee lead by Dan Billman and a team from the Young Professionals Committee. The committee has recommended the appointment of a Young Professional Councilor to serve with the DPA Councilors on a non-voting basis.

The approval process for certification has been streamlined this year with applications now being screened electronically by the Board of Certification.

Gathering & Learning – Paul Britt is Chair of Conventions. So far in 2011-2012, we have had DPA events at three meetings. At the Eastern Section meeting in September in Washington D.C. the DPA coordinated an Energy Policy Forum which was well attended. In October at the Mid-Continent meeting in Oklahoma City, we hosted a luncheon with guest speaker Rayola Dougher from the API. At the AAPG ICE in Milan last October, John Brooks coordinated an excellent program with Tony Hayward as our luncheon speaker discussing the challenges of Energy Security which was followed by an afternoon forum with four speakers discussing a potpourri of topics from the resource endowment offshore the west coast of the USA to who owns the Arctic. Unfortunately, the GCAGS meeting in Veracruz, Mexico was cancelled due to the ongoing safety and security issues being faced in the Region.

At ACE in Long Beach, after our annual business meeting on April 21, we will be honoring the DPA’s best and brightest at our annual awards dinner. This year’s dinner will recognize seven DPA members for their significant contributions to the Division. Mike Party and his committee have compiled a well deserving list of awardees. The recipient of the DPA Life Membership award is Rick Ericksen from Jackson, Miss. Life Membership is the highest and most prestigious award given by the DPA. Rick joins the elite company of 21 fellow recipients of DPA Life Membership and is well deserving of our highest honor for his continuous service and leadership to the DPA. The DPA’s Heritage Award has been awarded five times in the past and this year’s recipient is Dan Tearpock of Houston. The Heritage Award is awarded to an individual who is generally well known for their substantial contributions to the industry. These contributions can

be significant discoveries, business accomplishments and/or their work in academia and publishing. Ideally, the awardee will be an individual who has built a reputation for success within the industry and has taken a proactive role in passing their knowledge and experiences to the next generation. When thinking about the criteria for this award, I can't think of a more deserving candidate than Dan through his business and leadership with the DPA. We have two recipients of our Distinguished Service Award, Paul Britt of Houston and Craig Reynolds of Wichita Falls, Texas. Certificates of Merit will be awarded to John Brooks of Brookwood, United Kingdom, Dave Entzminger of Midland, Texas and Deborah Sacrey of Houston.

President-Elect Sternbach has also organized another "Discovery Thinking" Forum, a joint DPA/AAPG initiative. These talks enable AAPG members to see and hear about discoveries from those who know them well. In addition to learning about personal and professional challenges surmounted by the discoverers on the path to success, the format has evolved to include technical data about trends and discoveries. This session will focus on "Exciting New Discoveries in Old Areas." This will be the fifth presentation of the AAPG 100th Anniversary Committee's program recognizing "100 who made a difference." Talks from Pacific, Rocky Mountain and West Texas will be of particular interest for a meeting on the West Coast.

Our annual luncheon will be held Tuesday, April 24, in conjunction with PROWESS, and will feature two informative presentations by two respected members of the academic community – Sally Benson (Stanford University, California) and Sharon Mosher (University of Texas, Austin). Benson, director of the Global Climate Energy Project at Stanford University, will speak on "Following your Convictions: Even When the Going Gets Tough." Mosher, Dean of the Jackson School of Geosciences at the University of Texas at Austin, will speak on "Building a Diverse and Sustainable Geoscience Work Force." Benson is a groundwater hydrologist and reservoir engineer who has conducted research to address a range of issues related to energy and the environment. She currently serves on the board of directors of the National Renewal Energy Laboratory and Climate Central. Mosher is the founder and past chair of GeoScience World, an international journal aggregation for geoscientists. She is currently president-elect of the American Geological Institute.

The committee is also working on programs for the 2012 Southwest Section meeting in Fort Worth (Breakfast ethics talk by AAPG Ethics lecturer Rusty Riese), Rocky Mountain Section meeting in Grand Junction, Eastern Section meeting in Cleveland, Gulf Coast Section meeting in Austin, ICE in Singapore (several technical sessions and luncheon with guest speaker Scott Tinker) and the 2013 ACE in Pittsburgh.

Government Affairs – Our presence in Washington is more important than ever. The AAPG's Executive Committee re-authorized the Geo-DC office in

their June meeting. The search to replace David Curtiss is ongoing and in the interim, the Geo-DC Board of Governors is responsible for the office. The Geo-DC office plays a valuable role for the AAPG membership and our goal is to assure that its operating level of excellence persists.

Fiscal Responsibility – Beginning with the 2012-2013 fiscal year, DPA dues will increase from \$40 to \$50. This dues increase, the first since 1993, was unanimously passed by the Council in order to maintain the value adding services and benefits associated with DPA membership. AAPG President Paul Weimer outlined the AAPG's budget challenges in his October *Explorer* column. The DPA has the same deficit issues faced by the Association. The status quo is not sustainable and hard decisions like this increase in dues must be taken to partially offset our annual deficit. The DPA'S deficit in FY2011 was \$42K with a budgeted FY2012 deficit of \$70K. Several factors are driving this deficit, declining membership and increased expenses associated with DPA events at our annual meeting are two key elements. In addition to this dues increase, we're addressing the revenue side by exploring new growth engines referenced above. On the expense side we're significantly modifying our DPA Awards dinner in Long Beach to help manage expenses.

Certified Member Class - Those of you who are Delegates will recall that at last year's HoD Annual meeting in Houston legislation regarding the addition of a certified member category was defeated as the required 2/3 Delegate vote was not achieved. This debate has been tabled until the HoD evaluates proposals on membership simplification at Long Beach.

Past-President Paul Britt told me when I became President-Elect that about 40% of my role would be filled by unexpected events. This year's unexpected event has been the Texas Bureau of Professional Geoscientists (TBPG) proposed rule changes announced in late September regarding mandatory licensure of geoscientists in Texas. Mark Gallagher took the lead in drafting a response to the TBPG on behalf of the DPA and AAPG.

In closing I would like to thank my employer, Nexen Petroleum USA Inc., who has been fully supportive of my three year term serving the DPA and AAPG.

By Charles Sternbach
DPA President-Elect

Councilor Candidates Filled

I am happy to report that the Councilor candidate positions have been filled for 2012-14. I would like to thank the many (approximately 16 as of this writing) DPA leaders who volunteered to come forward as candidates for DPA Councilor positions in the following regions: Pacific, Eastern, Rocky Mountain, Canada, Europe, Asia, and Latin America.

New councilors elected for the 2012-2015 term are:

- **Eastern Section:** Patrick M. Imbrogno, Councilor, Jay G. Henthorne, Alternate, Hannes E. Leetaru, Alternate
- **Rocky Mountain Section:** Donna S. Anderson & Robert F. Garvin, Councilors, Clifford C. Clark, Alternate, Peggy Williams, Alternate, David A. Wavrek, Alternate, Jeff Brame, Alternate
- **Pacific Section:** John T. Williams, Councilor, Kurt E. Neher, Alternate
- **Asia-Pacific Region:** Robert C. Shoup, Councilor, Abul (Shams) Shamsuddin, Alternate
- **Canada Region:** Councilor William J. Haskett, Councilor, Sanjeev S. Thakur, Alternate
- **European Region:** John R. V. Brooks, Councilor, Iain P. Wright, Alternate
- **Latin America Region:** Flavio J. Feijo, Councilor, Hector San Martin, Alternate

As president-elect DPA, I have the honor to work with wonderful DPA leaders. By becoming a councilor you can too! I encourage all DPA members to consider serving in this role sometime during your career. Serving as a councilor is an opportunity to give a strong voice at a global level to your section or region. Councilors serve DPA, AAPG and our profession. I commend both the councilors and candidates for their willingness to help shape our future. Elected councilors will join DPA leadership to energize DPA through “growth engines”, exciting programs, membership growth, short courses, and better communication through technology. Please get to know your councilors, thank them for their service, and engage them. They represent you!

2012 Discovery Thinking Forum

The AAPG/DPA session “Discovery Thinking” Forum is planned for Monday, April 23rd 2012 at the AAPG annual meeting in Long Beach, California. This will be the fifth Discovery Thinking Forum at AAPG annual meetings (ACE). Back in 2008 I had a vision to create a program where explorationists could talk about the personal side of discoveries, challenges overcome, and critical insights. I thought that AAPG could benefit from a forum focused on important discoveries by those who know them well. From the beginning, the aspects of professionalism made this a good fit for DPA. Ted Beaumont was my first co-chair and recently Ed Dolly has helped me recruit the latest discovery talks. These are available on AAPG web page under Search and Discovery:

<http://www.searchanddiscovery.com/specialcollections/discoverythinking.html>

This year will focus on: Exciting new discoveries in old areas. The session will meet from 1:15pm-5:00 pm in Room 104C at the Long Beach Convention Center. This will be the fifth presentation of the AAPG 100th Anniversary Committee’s program recognizing “100 who made

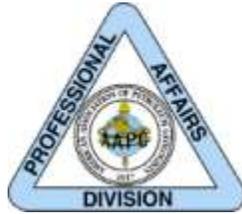
a difference". This year's talks from Pacific, Rocky Mountain and West Texas will be of particular interest for a meeting on the West coast.

- "Re-Discovering California: The Gunslinger Discovery, New Concepts for Mature Producing Areas", Robert Bridges (speaker), (Vintage Production California LLC) Ingvar Alarik, Kurt Johnson, Kurt Neher, Robert Stupp,(Occidental Oil & Gas)
- "Re-Discovering California: the Monterey Formation in the San Joaquin Basin" Tony Reid (Speaker), Steven Schulz (Occidental of Elk Hills), Ingvar Alarik, Kurt Neher, (Occidental Oil & Gas)
- "The Wolfberry – How it Started." James C. Henry (CEO of Henry Resources LLC)
- "Discovery of "Pronghorn" and "Lewis and Clark" Fields: sweet-spots within the Bakken Petroleum System producing from the Sanish/Pronghorn Member NOT the middle Bakken or Three Forks!" Orion Skinner, Lyn Canter, Mark Sonnenfeld, and Mark Williams Whiting Petroleum
- "Granite Wash Play Overview, Anadarko Basin" Edward J. LoCricchio, Senior Exploration Geologist, Cordillera Energy Partners, Denver, Colorado

Discovery Thinking goes Global. The sixth Discovery Thinking forum will be hosted by AAPG/DPA Monday September 17th at ICE in Singapore. These talks will emphasize exciting global discoveries like Lundin's Norwegian giant Avaldsnes discovery; Apache's 2011 discoveries in the Deep Mungaroo in the Carnarvon basin, Australia; Bernard Duvall presenting a talk on Mahakam discoveries, Indonesia; Trey Meckel: "Exploring a 19th Century Basin in the 21st Century: Seeing the World-Class, Multi-Billion Barrel North Sumatra Basin with New Eyes". These and other contributions from the Asia Pacific region will be of particular interest for explorers in a Singapore venue. This will be the inaugural Discovery Thinking Forum at an AAPG International Convention (ICE).

Plans are already underway for Discovery Thinking session in Pittsburg (ACE) 2013. Talks will focus on Eastern Shale plays and new discoveries from around the world. If you have a discovery talk suggestion please let me know. We want DPA members to have a voice in selecting exciting speakers and discoveries.

FROM THE OFFICE OF THE DPA 2010-2012 TREASURER



TO: THE BOARD AND COUNCILORS OF THE DIVISION OF PROFESSIONAL AFFAIRS OF THE AAPG

FROM: DAN A. BILLMAN, DPA TREASURER

SUBJECT: 2012 ANNUAL MEETING TREASURER'S REPORT

DATE: 04/16/2012

CC:

This DPA Treasurer's Report, as presented includes information from the first six months of Fiscal Year 2012 (July 1, 2011 to December 31, 2011). I especially appreciated timely assistance and revisions to this report by Norma Newby, DPA Division Manager. I also appreciated receiving the accounting data from Bryan Haws, CPA and Accounting Manager at AAPG Headquarters and Jody Cox of AAPG Headquarters. Please note the accounting data for the current fiscal year is not audited and is subject to change. Financial information is presented as follows: 1.) Income and Expenses Statement current (mid-year) FY 2012 vs. past year FY 2011, 2.) DPA Investment Portfolio Account, both Fiscal year 2011 and Fiscal year 2012 thru Feb. 2012, and 3.) Proposed FY 2013 budget.

1. Table 1 shows the DPA Income and Expense Statement for the first six months of FY 2012 as compared to last fiscal year (FY 2011). The DPA is showing an income of \$75,394 with expenses of \$52,628, over the current fiscal year; currently showing a net gain of \$22,766. Keep in mind that this is as of December 31, 2011, has been approved by AAPG for distribution, and does not reflect income and expenses attributed to the national meeting.

One might notice the large discrepancy between the actual and budgeted AAPG Staff Salaries & Benefits categories. During my review of the current FY 2012 budget and previous FY 2011 budgets vs. actual income and expenses that discrepancy was found. Norma Newby and I have informed AAPG accounting staff and these allocations will be adjusted for the current fiscal year. At this point it will be rectified in the 4th quarter statement before AAPG starts their "audit" for year-end of the current fiscal year. I do not know how or if this will be rectified in the previous, closed and audited fiscal year 2011.

We are currently over budget in the categories Professional Fees (legal advice, etc.), and Miscellaneous Expenses (awards, speaker gifts, etc.). Although we are under our "full year" budgeted expenses we still are scheduled to incur significant expenses including expenses associated with the national ACE meeting and the yearly grant to the GEO-DC office.

During the previous fiscal year (FY 2011), we currently sit approximately \$40,000 over budget; although the initial budget called for an approximate \$80,000 overage. Keep in mind the improper allocation of AAPG staff salaries and benefits. Significant overages did occur in the professional fees and staff travel categories.

2. Table 2 is the summary of the DPA Investment for the period July 1, 2010 through June 30, 2011 (Fiscal Year 2011). Table 3 is the summary of the DPA Investment for the period July 1, 2011 through February 2012 (Fiscal Year 2012). Table 2 is included to put next table, Table 3 into context. As of February 2012, the fair market value is \$629,340.30. The ending balance in February 2012 is up \$43,348.99 from the begin balance of July 1, 2011 (beginning Fiscal Year 2012).

I had asked Jody Cox to better explain the investment schedules (Tables 2 & 3). The explanation of DPA Investment Schedule from Jody Cox follows:

Then "Ending Balance" on this report is comprised of the initial cost of our purchases in the investments plus or minus the interest and dividends, fees, realized gains or losses from sales of the investments, etc. These are firm numbers and only change when there is "real" activity in the account.

The "Fair Market Value" is what those investments are worth on the market as of the last day of each month. This can vastly fluctuate based on the activity in the stock market each day. These gains or losses are not "realized" until they are actually sold but show you what they would be worth if sold on that day. The row titled "Total Unrealized Gain" shows how much more (or less) the investments are worth in comparison to what we have invested in them.

3. The proposed FY 2013 budget is presented as Table 4. The proposed FY 2013 budget is based on current trends in income and expenses, observed over the last two fiscal years. The income from dues reflects the raise in dues to occur in FY 2013. As proposed the, the draft FY 2013 budget has the DPA operating at a loss of approximately \$30,000, as compared to the budgeted loss of approximately \$70,000 in the previous fiscal year. A draft of the proposed 2013 Budget, Table 4, is included for discussion.

As an aside, as per previous discussions, the DPA can suggest to National AAPG an adjustment to the current \$60,000 grant to the GEO-DC office.

Respectfully Submitted by:

Dan A. Billman, P.G., C.P.G.
DPA Treasurer 2010-2012

Table 1: DPA Income vs. Expenses Analysis of Budget vs. Actual FY 2011 - FY 2012

Current Fiscal Year through Dec. 31, 2011

Fiscal Year	Unaudited		Audited	
	FY 2012	FY 2012	FY 2011	FY 2011
	Budget	Actual	Budget	Actual
INCOME:				
Dues	\$54,600	\$50,714	\$103,050	\$105,525
Sale of Publications	\$150	\$1,325	\$150	\$285
Interest & Dividends (Monies within national's portfolio)	\$7,500	\$20,324	\$20,000	\$14,835
Service Fees (Convention Profits)	\$7,500	\$505	\$3,000	\$2,206
Conferences/Meetings/Misc.	\$500	\$2,526	\$2,600	\$1,146
TOTAL OPER. INCOME	\$70,250	\$75,394	\$128,800	\$123,997
EXPENSES:				
Salaries & Benefits (Norma and Assistant)	\$49,420	\$20,749	\$97,285	\$43,617
Cost of Publications Sold	\$50		\$1,200	
Newsletter Publishing	\$600			\$3
General Office	\$2,726	\$1,291	\$4,375	\$5,857
Postage & Shipping	\$1,000	\$823	\$2,000	\$4,795
Professional Fees (Legal Advice, Public Relations/Advertising, Contract Personnel, Temp. Staff, Investment Counsel, etc.)	\$3,250	\$8,316	\$5,000	\$14,023
Staff Travel (Banquet, Mid-Year Mtg., Awards Dinner)	\$9,500	\$10,363	\$12,000	\$17,162
Professional Travel (Travel Reimbursement)	\$12,000	\$5,474	\$24,500	\$5,057
Conferences & Meetings (examples: Room Rental, AV Eqpt., etc.)				\$6,959
Depreciation			\$200	
Meeting Display			\$500	
Miscellaneous (awards, speakers gifts, etc.)		\$4,612	\$1,300	\$5,289
Miscellaneous Grant Expense (Predominately GEO-DC office)		\$1,000	\$61,000	\$61,655
TOTAL OPER. EXPENSES	\$78,546	\$52,628	\$209,360	\$164,417
GAIN (LOSS)	(\$8,296)	\$22,766	(\$80,560)	(\$40,420)

* Salary Allocations are incorrect and being adjusted by AAPG Accounting

Fiscal Year = July 1st through June 30th of the subsequent year

For reference: Last fiscal year, half way thru, DPA was \$8682 in the positive.

Table 2: Investments Portfolio Summary

July 1, 2010 - June 30, 2011

DPA

Description	July	August	September	October	November	December	January	February	March	April	May	June	YTD
Beginning Balance	521,586.55	534,988.41	539,363.56	540,507.20	540,705.92	540,695.28	548,215.92	549,666.89	549,612.25	550,974.00	551,183.12	551,130.00	521,586.55
Contribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest & Dividends	172.66	89.54	1,247.70	198.72	218.75	3,242.45	1,450.97	194.44	1,411.33	209.12	210.96	1,904.80	10,551.44
Sales Gains / (Loss)	13,229.20	4,701.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10,747.77	28,678.29
Capital Gains	0.00	0.00	0.00	0.00	0.00	4,327.68	0.00	0.00	0.00	0.00	0.00	0.00	4,327.68
Fees	0.00	(415.71)	(104.06)	0.00	(229.39)	(49.49)	0.00	(249.08)	(49.58)	0.00	(264.08)	(49.50)	(1,410.89)
Tfr to Principal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tfr from Principal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Contribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Class Action Proceeds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Due to/from Brokers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
													0.00
Total Earnings	13,401.86	4,375.15	1,143.64	198.72	(10.64)	7,520.64	1,450.97	(54.64)	1,361.75	209.12	(53.12)	12,603.07	42,146.52
Ending Balance	534,988.41	539,363.56	540,507.20	540,705.92	540,695.28	548,215.92	549,666.89	549,612.25	550,974.00	551,183.12	551,130.00	563,733.07	563,733.07
Beg. Bal. Unreal. Gain	(10,994.66)	4,325.60	(14,512.99)	25,674.75	45,299.59	44,061.51	67,567.84	72,882.38	88,162.79	95,567.51	115,306.15	106,145.70	(10,994.66)
Monthly Unreal. Gain	15,320.26	(18,838.59)	40,187.74	19,624.84	(1,238.08)	23,506.33	5,314.54	15,280.41	7,404.72	19,738.64	(9,160.45)	(22,565.40)	94,574.96
Total Unrealized Gain	4,325.60	(14,512.99)	25,674.75	45,299.59	44,061.51	67,567.84	72,882.38	88,162.79	95,567.51	115,306.15	106,145.70	83,580.30	83,580.30
Fair Market Value	539,314.01	524,850.57	566,181.95	586,005.51	584,756.79	615,783.76	622,549.27	637,775.04	646,541.51	666,489.27	657,275.70	647,313.37	647,313.37

Table 3: Investments Portfolio Summary**July 1, 2010 - February 29, 2012****DPA**

Description	July	August	September	October	November	December	January	February	YTD
Beginning Balance	563,733.07	563,836.54	584,133.32	586,872.41	587,074.72	587,026.03	608,570.12	608,913.31	563,733.07
Contribution		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Interest & Dividends	515.04	191.24	2,798.06	202.31	200.45	6,017.90	343.19	163.65	10,431.84
Sales Gains / (Loss)	(411.57)	20,377.40	0.00	0.00	0.00	5,176.49	0.00	(1,718.59)	23,423.73
Capital Gains	0.00	0.00	0.00	0.00	0.00	10,398.88	0.00	0.00	10,398.88
Fees	0.00	(271.86)	(58.97)	0.00	(249.14)	(49.18)	0.00	(276.31)	(905.46)
Tfr to Principal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tfr from Principal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Contribution	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Class Action Proceeds	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Due to/from Brokers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Earnings	103.47	20,296.78	2,739.09	202.31	(48.69)	21,544.09	343.19	(1,831.25)	43,348.99
Ending Balance	563,836.54	584,133.32	586,872.41	587,074.72	587,026.03	608,570.12	608,913.31	607,082.06	607,082.06
Beg. Bal. Unreal. Gain	83,580.30	72,066.81	20,576.40	(36,666.68)	12,219.90	2,956.09	(23,098.22)	2,845.35	83,580.30
Monthly Unreal. Gain	(11,513.49)	(51,490.41)	(57,243.08)	48,886.58	(9,263.81)	(26,054.31)	25,943.57	19,412.89	(61,322.06)
Total Unrealized Gain	72,066.81	20,576.40	(36,666.68)	12,219.90	2,956.09	(23,098.22)	2,845.35	22,258.24	22,258.24
Fair Market Value	635,903.35	604,709.72	550,205.73	599,294.62	589,982.12	585,471.90	611,758.66	629,340.30	629,340.30

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Table 4: Draft Proposed Budget FY 2013

Fiscal Year	FY 2012 Budget
INCOME:	
Dues	\$133,750
Sale of Publications	\$150
Interest & Dividends (Monies within national's portfolio)	\$15,000
Service Fees (Convention Profits)	\$7,500
Conferences/Meetings/Misc.	\$7,500
TOTAL OPER. INCOME	\$163,900
EXPENSES:	
Salaries & Benefits (Norma and Assistant)	\$65,500
Cost of Publications Sold	\$50
Newsletter Publishing	\$1,200
General Office	\$5,500
Postage & Shipping	\$2,000
Professional Fees (Legal Advice, Public Relations/Advertising, Contract Personnel, Temp. Staff, Investment Counsel, etc.)	\$8,000
Staff Travel (Banquet, Mid-Year Mtg., Awards Dinner)	\$22,000
Professional Travel (Travel Reimbursement)	\$15,000
Conferences & Meetings (Room Rental, AV Eqpt., etc.)	\$5,000
Depreciation	\$200
Meeting Display	\$500
Miscellaneous (awards, speakers gifts, etc.)	\$4,000
Miscellaneous Grant Expense (Predominately GEO-DC office)	\$64,000
TOTAL OPER. EXPENSES	\$192,950
GAIN (LOSS)	(\$29,050)



DPA (paid) members in good standing: 2,746
 DPA (NOT Paid) members: 113 (61 have not paif their Assoc. dues, and 52 have not paid their DPA dues
 Assume 2675 tot members 2013 (includes dues raise to \$50)

Based on input from Norma Newby

Raised from \$6,500 in previous budget

Raised from \$20,000 in previous budget

Lower from \$24,000 in previous budget

Based on expesnes, FY 2011/2012

Held at \$64,000

Fiscal Year 2013 = July 1st, 2012 through June 30th, 2013.

Division of Professional Affairs: Bylaws Preamble¹

WHEREAS, The American Association of Petroleum Geologists has, since 1917, provided a structure dedicated to the establishment and maintenance of high professional standards for geoscientists and shall continue to provide such structure, and

WHEREAS, The membership of the Association has requested that the basic scientific objectives be protected and nurtured by professional activities:

IT IS, THEREFORE, prudent to establish a Division of Professional Affairs of the Association on the following premises:

Article I. Purposes

SECTION 1. To strengthen the professional status of geoscientists.

SECTION 2. To require high standards of competence among practicing geoscientists.

SECTION 3. To communicate the affairs of the Division and the profession to geoscientists.

SECTION 4. To communicate to the general public and to government agencies the Association's constant concern to protect the public by restricting the practice of petroleum geology to those known to be qualified, and believed to be competent and reliable.

SECTION 5. To communicate to the general public and to governmental agencies pertinent information on legislative and administrative decisions affecting the regulation of petroleum resource exploration and development.

SECTION 6. To maintain and administer certification requirements through a Board of Certification.

SECTION 7. To encourage high professional standards in the training of geoscience majors in university departments. All actions of the Division of Professional Affairs shall be subject to review and approval of the Executive Committee of the American Association of Petroleum Geologists.

Article II. Headquarters

The official headquarters of the Division of Professional Affairs of the American Association of Petroleum Geologists shall be located at 1444 South Boulder Avenue, Tulsa, Oklahoma, the same as the headquarters of the American Association of Petroleum Geologists.

Article III. Membership

Members of the Division of Professional Affairs ("DPA") shall be those members of the Association who are certified by the Association as a Certified Member or as a Certified Member and Board Certified Member. There shall be three categories of certification at the Certified Member and the Board Certified Member levels: Petroleum Geologists, Petroleum Geophysicists, and Coal Geologists.

SECTION 1. The requirements for certification as a Certified Petroleum Geologist (Certified Member level) shall be:

- a. Graduation from an institution of collegiate standing approved by the DPA Executive Committee, with major study in geology, with a minimum of thirty semester (45 quarter) hours in geology or their equivalent in geological instruction.

- b. A minimum of eight years of full-time experience working as a Petroleum Geologist, which work is directly related to exploration for and/or development of petroleum deposits, during which period the applicant has demonstrated professional competence under responsible supervision or while self-employed. One year of experience credit may be given for the award of a master's degree or three years of experience credit may be given for the award of a doctor's degree.

- c. Active member of AAPG.

SECTION 2. The requirements for certification as a Certified Petroleum Geophysicist (Certified Member level) shall be:

- a. Graduation from an institution of collegiate standing approved by the DPA Executive Committee, with major study in geology or geophysics, physics or mathematics, with a minimum of thirty semester (45 quarter) hours or the equivalent instruction in the above courses.

- b. A minimum of eight years of full-time experience working as a Petroleum Geophysicist, which work is directly related to exploration for and/or development of petroleum deposits, during which period the applicant has demonstrated professional competence under responsible supervision or while self-employed. One year of experience credit may be given for the award of a master's degree or three years of experience credit may be given for the award of a doctor's degree.

- c. Active or Associate member of AAPG.

SECTION 3. The requirements for certification as a Certified Coal Geologist (Certified Member level) shall be:

- a. Graduation from an institution of collegiate standing approved by the DPA Executive Committee, with major study in geology, with a minimum of thirty semester (45 quarter) hours in geology or their equivalent in geological instruction.

- b. A minimum of eight years of full-time experience working as a Coal Geologist, which work is directly related to exploration for and/or development of coal deposits, during which period the applicant has demonstrated professional competence under responsible supervision or while self-employed. One year of experience credit may be given for the award of a master's degree or three years of experience credit may be given for the award of a doctor's degree.

- c. Active member of AAPG.

SECTION 4. Applicants for Certified Petroleum Geologist, Certified Petroleum Geophysicist, and Certified Coal Geologist shall affirm their adherence to professional and ethical standards of the Code of Ethics of AAPG and shall provide three Sponsors who must be certified members of the Association having present knowledge of the applicant's professional qualifications and ethics. In the extenuating circumstance that such Sponsors are not available to the applicant, the applicant may be sponsored by noncertified AAPG active members having training and experience equivalent to the requirements for certification at the Certified Member level. Sponsors' endorsement shall be furnished in

writing. An evaluation will be conducted by AAPG into the applicant's personal integrity, responsibility, and professional ability and these Sponsors will be contacted by AAPG in its evaluation pursuant to the application for certification at the Certified Member level. (Sponsors shall not be employees or subordinates of the applicant.)

SECTION 5. The requirements for certification as a Board Certified Petroleum Geologist, a Board Certified Petroleum Geophysicist, or a Board Certified Coal Geologist shall be:

- a. Active member of the Division of Professional Affairs for a minimum period of five years (a member will be Board Certified in the category of certification in which he or she is a Certified Member);
- b. Completion of twenty (20) professional development hours in the previous twelve months per the requirements set forth from time to time by the Division's Board of Certification.
- c. Affirmation to the Board of Certification of adherence to the AAPG's Code of Ethics.

SECTION 6. The requirements for maintenance of certification at the Board Certified Member level shall be:

- a. Maintenance of membership as an active member of the Division of Professional Affairs;
- b. Completion of twenty (20) professional development hours per year per the requirements set forth from time to time by the Division's Board of Certification.
- c. Affirmation to the Board of Certification of adherence to the AAPG's Code of Ethics.

Article IV. Governance

SECTION 1. The Governance of the Division of Professional Affairs shall be managed by the DPA Council. The number of councilors to serve on such Council, the length of their term and their specific duties are set forth in Article V of these Bylaws.

SECTION 2. The DPA Council shall set the policy of the Division of Professional Affairs including an annual budget and the Executive Committee of the Division shall implement and execute such policies.

SECTION 3. The Administrative and Fiscal Year of the Division of Professional Affairs shall begin on the first day of July and end on the last day of the next June.

SECTION 4. In order to hold office or serve on any standing or special committee with the Division of Professional Affairs, a person must be a Member of the Division as set forth under Article III of these Bylaws.

Article V. Councilors

SECTION 1. The affairs and management of the Division of Professional Affairs are to be under the control of the DPA Council. The DPA Council shall consist of the following:

- a. The President, Vice President, President-Elect, immediate Past President, Treasurer, and Secretary, all of whom shall serve as the Executive Committee. The President, Vice President, immediate Past President, and President-Elect shall serve a one (1)-year term and shall not succeed themselves in office. The Secretary and Treasurer, each as such, shall serve a two (2)-year staggered term and shall not succeed themselves in office. The terms of office shall commence on July 1 following election.

- b. Councilors shall be elected from each American Association of Petroleum Geologists Section and Region on a proportional basis, based on membership. Each section having one or more Division members shall be allowed one council member for each 200 resident Division members or major part thereof. International representation on the Council shall be one council member for each 200 region Division members or major part thereof. Each council member shall serve for three (3) years on staggered rotating terms. Any vacancies occurring during the year in any of the Councilors elected from the American Association of Petroleum Geologists sections or regions shall be filled from the Division of Professional Affairs membership by appointment from the President with the approval of the DPA Council. Such appointee shall serve out the remaining portion of his predecessor's term, or a lesser term as approved by the DPA Council.

c. One Councilor and one alternate Councilor will be recommended by the AAPG Young Professional (YP) Committee and appointed by the DPA Executive Committee. The YP Councilor will serve for a period of one year, and may be appointed to and serve concurrent/multiple years. The YP Councilor will be a non-voting position and the Councilor's duties to the DPA Council are described in Section 3 of Article IV.

SECTION 2. The DPA Council shall have full power and authority to do all acts and perform all functions necessary to carry out the purposes for which the Division of Professional Affairs has been organized. It shall review and approve the President's appointments to standing, special and ad hoc committees.

SECTION 3. The chairmen of all standing committees of the Division of Professional Affairs who are not elected members of the DPA Council and the Councilor appointed by the AAPG YP Committee shall be advisory, nonvoting members of the DPA Council, and they shall advise and assist the voting members of the DPA Council in the conduct of the affairs of the Division of Professional Affairs.

SECTION 4. The DPA Council shall serve as a functioning long-range planning body to review the Division's activities. The DPA Council shall approve qualified candidates for Division officers as provided in these Bylaws and shall approve recipients for all honors and awards which the DPA Council may establish.

SECTION 5. The DPA Council shall meet twice each year; once during the Annual Meeting of the Association and a second time between Annual Meetings of the Association. Additional meetings may be held at the call of the President. A quorum shall consist of a simple majority of members. Robert's Rules of Order shall apply at all meetings to the extent that such rules are practicable and not superseded by these Bylaws or by other procedures adopted by the DPA Council. Mail canvasses may be conducted when necessary for interim action when requested by the DPA Executive Committee. The Executive Committee of the Division shall have the authority to conduct the business of the DPA between Council Meetings. Interim and special meetings may be conducted by telephone conference call or other electronic means.

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Article VI. Officers

SECTION 1. The officers of the Division shall be the President, Vice President, President-Elect, immediate Past President, Secretary, and Treasurer. The officers of the Division shall constitute the Executive Committee of the Division. The officers shall have the following duties:

- a. The President shall serve as the Chief Executive Officer of the DPA and shall serve as spokesman for the DPA on all matters pertaining to the public except as stated otherwise in these Bylaws. The President shall preside at all regular and special meetings of the DPA except as stated otherwise in these Bylaws, and the Division Executive Committee; shall appoint all committee members except as stated otherwise in these Bylaws; and shall assign the other officers to serve as liaisons to committees.
- b. The Vice President shall perform the duties of the President in the absence or inability of the President to serve; shall assume the office of the President in the case of a vacancy for any cause in that office and shall perform such duties as may be assigned by the President.
- c. 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 become acquainted with all the details of the office of President, and generally become prepared to serve as President. The President-Elect while such shall coordinate Division activities to be conducted during the President-Elect's term as President, such coordination specifically to include without limitation Division activities during the Association's convention and section meetings. The President-Elect shall be responsible for coordinating the selection of Division members to serve as members of the DPA Council as provided by Article V, Section 1 (b) of these Bylaws.
- d. The Secretary shall be responsible for recording the actions of the Division Executive Committee, the DPA Council, and assist the presiding officer; shall issue notices to meetings of the Executive Committee, the DPA Council, and the DPA membership on direction of the President. The Secretary shall monitor all elections and shall validate election results.
- e. The Treasurer shall supervise the receipt of all funds and, under the direction of the Division Executive Committee, be responsible for all disbursements of funds of the DPA. Disbursements of funds of \$500.00 or less, may be authorized with the approval of the President provided those disbursements do not constitute a series of disbursements for any single item whose gross amount exceeds the \$500.00 limitation. The Treasurer shall make the annual report and perform such other duties as directed by the Executive Committee.
- f. The Past President shall serve as chairman of the nominations and awards committees of the DPA Council.

SECTION 2. The Executive Director of the American Association of Petroleum Geologists is designated Executive Director of the Division of Professional Affairs. The repository of all documents shall be at the headquarters under

the physical custody of the Executive Director. Such documents shall include implementing, definitive guidelines, and procedures for the processing of all applications for certification.

SECTION 3.

- a. Officers shall be elected from among the members of the Division by means of secret ballot in the following manner: as provided under Article VIII, SECTION 8 and not later than October 31 of each year the DPA Council shall annually select two (2) or more candidates each for the offices of Vice President and President-Elect, and biennially select two (2) or more candidates for offices of Secretary and Treasurer to stand for election during the following fiscal year, and if elected, to serve during the second succeeding fiscal year. The names of the approved candidates shall be submitted for approval to the Executive Committee of the Association. Additional nominations may be made by written petition of fifty (50) or more members in good standing in the Division. Such petition(s) must be received at Association headquarters not later than November 15 of each year. The slate of candidates, along with appropriate biographical information, shall be disseminated to the members of the Division prior to the period of balloting in a manner to be determined by the Executive Committee of the Division.

The Executive Committee of the Division shall then prepare a ballot, listing the candidates for each office and one (1) ballot shall be mailed, electronically distributed, or distributed by other suitable means to each Division member on or before April 1. Ballots returned to and received by the Division after May 15 shall not be counted. A ballot committee, appointed by the President of the Division, shall count the ballots promptly after May 15 and report results to the President of the Division. A plurality of all votes cast for an office is necessary for election. In case of a tie vote, the Division Executive Committee shall cast one (1) additional vote.

SECTION 4. A vacancy occurring in the offices of Vice President, Secretary, or Treasurer shall be filled by the DPA Council. A vacancy in the office of President shall be filled by the Vice President. **In the event of a vacancy in the office of immediate Past President, the President shall appoint a member of the Division to serve in the place of the immediate past president as a member of the Executive Committee and as a member of the Council with all of the authority and powers of the immediate Past President and such appointee shall perform the functions of the immediate Past President, including the functions described in Section 8 and Section 9 hereof; provided, however, that the member so appointed shall not be an officer of the Division.**

A vacancy occurring in the office of President-Elect shall be filled by a ballot of the membership, through a special election called by the DPA Council. Two or more candidates shall be recommended and approved by the DPA Executive Committee and DPA Council. A ballot shall be mailed, electronically distributed, or distributed by other suitable means to all Division members as soon as practicable. Only

ballots returned within thirty (30) days from the date of the ballot distribution shall be counted.

SECTION 5. In the event that neither the President nor the Vice President are able to attend a meeting of the DPA Council, the President-Elect shall call the meeting to order and conduct the meeting.

Article VII: Certification

SECTION 1. There is hereby created a Board of Certification, which shall consist of the Chairman of the Board of Certification, who shall be appointed by the President of the Division from among the members of the Division for a term of three years and who shall be qualified to serve as such Chairman only so long as he or she remains a member of the Division during such term, and the other members described in the immediately succeeding sentence. The president of each technical division of the American Association of Petroleum Geologists which sponsors certification of Association members in a professional category shall appoint as members of the Board of Certification for each category sponsored by such division four (4) members of such division and of the Association certified in such category (or, if such certified members of such division and the Association are not available, then Association and division members qualified to be certified), such Board members serving three- (3-) year terms and (i) the three- (3-) year terms of the four (4) members of the Board appointed for each category shall be staggered so that the term of membership of no more than two (2) of such members shall be for the same three- (3-) year period, (ii) in the event of the vacancy in the position served by any of such four (4) members before the end of a member's term, a replacement member shall be appointed to serve the unexpired term, and (iii) such members may serve successive terms as members.

SECTION 2. The members of the Board who are appointed by virtue of certification or qualification in a particular professional category ("Category Board Members") shall review each application for certification in that particular professional category, making such evaluation as those Board members deem necessary, and shall approve or disapprove each applicant for certification in that particular professional category as determined by a majority vote of the Category Board Members. Certification of applicants so approved shall be subject to the approval of the president of the Division of Professional Affairs, the president of the technical division sponsoring certification in such professional category (if not the Division of Professional Affairs), and the Executive Director of the Association.

SECTION 3.

- a. If the Category Board Members discover evidence in their evaluation which would cause the Category Board Members not to approve an applicant for certification, the Chairman of the Board of Certification shall notify the applicant that such evidence has been discovered and inform the applicant that, upon the applicant's request, the nature of such evidence will be disclosed to the applicant and the applicant will be given the opportunity to present evidence to the Category Board Members concerning the matter. If the applicant, within thirty (30) days after such notification, requests disclosure to the applicant of the nature of the evidence,

the Chairman of the Board shall disclose to the applicant the nature of such evidence and the applicant may provide to the Category Board Members through the Chairman of the Board in writing within sixty (60) days from the date of such disclosure any additional evidence concerning the matter. Upon receipt of such additional evidence from the applicant, the Category Board Members will carefully consider all of the material before them concerning the applicant, including the evidence submitted by the applicant, and will then make their decision by majority vote to approve or disapprove the applicant for certification.

- b. If the Category Board Members disapprove the applicant for certification, or if any one or more of (i) the president of the technical division sponsoring certification in that professional category, (ii) the president of the Division of Professional Affairs (if not the sponsoring division), or (iii) the Executive Director of the Association does not approve the application, the applicant will be notified of the failure of the applicant to be approved at which time, unless the applicant was given and did not avail himself or herself of the opportunity to provide additional evidence to the Category Board Members as described in the preceding paragraph, the applicant shall also be notified that he or she may, within thirty (30) days after the mailing of the notice to the applicant of the failure of the applicant to be approved for certification, appeal to the Executive Committee of the Division of Professional Affairs the disapproval by the Board of his or her application for certification, and, if the applicant was approved by the Category Board Members but does not receive the required approval of a division president or the Executive Director of the Association, the applicant will be given the opportunity to be informed of the reason for such approval not being received. Within thirty (30) days after the initiation of an appeal by the applicant to the Executive Committee of the Division of Professional Affairs, the applicant may present additional evidence either in person or in writing, or both, as the applicant deems appropriate. If the applicant wishes to present evidence in person, the Executive Committee of the Division of Professional Affairs shall designate one or more of its members to meet with the applicant to receive such evidence at a time and place determined by the Executive Committee at which meeting the applicant may be accompanied by legal counsel if the applicant has given fifteen (15) days prior written notice of the same to the Executive Committee of the Division of Professional Affairs. The Executive Committee of the Division of Professional Affairs shall carefully consider all of the aspects of the application and its decision on appeal shall be promptly communicated to the applicant.

SECTION 4.

- a. The Board of Certification shall develop, maintain, and revise from time to time as the Board deems appropriate the requirements for professional development hours for those members who are certified at the Board Certified level.

- b. The Board of Certification shall, from time to time, randomly audit Board Certified Members to ensure proper adherence to the requirements for professional development hours as promulgated by the Board pursuant to Section 4a of this Article VII and set forth in Article III, Sections 6a and 6b.

SECTION 5. The Executive Committee of the Division of Professional Affairs (i) shall from time to time set a fee to be paid annually by each certified member of the Association and (ii) may from time to time set an additional fee to be paid annually by each certified member of the Association for each second or more multiple certifications of such member in professional categories. Such fees shall be subject to the approval of the Executive Committee of the American Association of Petroleum Geologists which approval may be revoked at any time. Each certified member shall maintain membership in the technical division sponsoring certification in the professional category in which he or she is certified. Failure to pay such fee or to maintain such membership shall result in revocation of certification.

SECTION 6. A member certified at the Board Certified Member level in a particular professional category shall not refer to himself or herself as certified in that category at both the Certified Member level and the Board Certified Member level.

Article VIII: Committees

SECTION 1. STANDING COMMITTEES. The DPA Council shall have the authority to establish and dissolve standing committees of the Division. In like manner, the charge to each standing committee may be modified. The membership of each standing committee should include at least one Council member.

SECTION 2. APPOINTMENTS AND TENURE. The President shall appoint and has the authority to remove all committee chairmen, vice-chairmen, and committee members, and shall fill vacancies whenever they occur, except where otherwise specified in these Bylaws. The DPA Council shall determine the number of members of each standing committee. 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 and vice chairmen shall be for one (1) year beginning July 1. Members of standing committees shall serve in rotating terms, one-third (1/3) of the members of each standing committee, unless otherwise provided, shall be appointed each year.

SECTION 3. LOCAL CERTIFICATION COMMITTEE. The President of the Division of Professional Affairs shall appoint two (2) or more Division members as defined under Article III of these Bylaws, or use a Certified Delegate, as a local Committee for each concentration of members and prospective applicants, whose functions shall be to make recommendations on applicants for certification in professional categories sponsored by the Division of Professional Affairs and handle other local business as the need requires. The Local Certification Committee, or the Certified Delegate, shall make such evaluations and submit such recommendations of the applicant's qualifications as required by the Board of Certification.

SECTION 4. COMMITTEE ON GOVERNMENTAL AFFAIRS. There shall be a standing Committee on

Governmental Affairs which shall consist of the Chairman appointed annually by the President, and at least five (5), but not more than twenty-five (25) members appointed annually by the Chairman with the approval of the President. The Chairman shall also appoint a Vice Chair with the approval of the President. Committee activities shall include, but not be limited to, governmental affairs that impact the profession of petroleum, energy and environmental geology. The Committee shall inform the Executive Committee and DPA Council on matters of concern regarding State and Federal legislation and regulatory policy primarily by way of the Action Alert System. Committee activities shall, when appropriate, keep the members of the Association informed on matters affecting petroleum exploration and development. Official AAPG statements and related action by the Committee shall be approved by the Division Executive Committee and the Executive Committee of the Association. Subsequent Committee activities, statements or testimony before legislative, regulatory or other governing bodies are authorized when in conformity with previously approved AAPG statements by the Governmental Affairs Committee (GAC) Chairman, Vice Chair, and the AAPG Executive Committee. AAPG statements or temporary statements are those statements that have been approved by the GAC Chairman, Vice Chair, and the AAPG Executive Committee. The GAC's Chairman and/or Vice Chair shall maintain communications with the GEO-DC office as much as is practicable and within the guidelines that may be provided for by the GEO-DC's Board of Governors.

SECTION 5. COMMITTEE ON STATE REGISTRATION.

There shall be a Committee on State Registration with a Chairman appointed annually by the President. The Chairman, with the approval of the President, may appoint members from the Division or Association to serve as committee members or secure such help from members of the Division or Association as may be necessary to carry out the duties of the Committee. The Committee shall monitor and report to the Executive Committee and the DPA Council on the status of registration or licensing of petroleum geologists at the State and Federal levels. The Committee shall coordinate with the Division President before taking action related to registration or licensing of petroleum geologists by government agencies.

SECTION 6. COMMITTEE ON CONTINUING EDUCATION. There shall be a standing Committee on Continuing Education which shall consist of the Chairman, appointed annually by the President, and at least four (4) members appointed annually by the Chairman with the approval of the President. Committee activities shall include supervising and monitoring all continuing education activities of the Division. The Committee is specifically charged with the duty of evaluating and recommending to DPA members those non-AAPG continuing education offerings that would be of value to DPA members and to work with the Publications Committee to develop DPA sponsored courses. The Committee shall coordinate its activities with the Education Department of the AAPG.

SECTION 7. BYLAWS COMMITTEE. There shall be a standing committee on Bylaws which shall consist of the Chairman, who shall be the President-Elect of the Division, and at least three (3) members appointed by the President.

Committee activity shall be to recommend Bylaw changes to the DPA Council.

SECTION 8. NOMINATING COMMITTEE: The nominating committee shall make recommendations to the DPA Council for officer nominations each year. The nominating committee shall consist of the three (3) latest past Presidents available and the current President. This committee shall advise nominees of their duties and obligations if elected to office in the DPA. The chairman shall be the immediate Past President.

SECTION 9. AWARDS COMMITTEE. The awards committee shall make recommendations to the DPA Council for the purpose of awards each year. The committee shall be composed of three members: 1) two of which are appointed for three year terms; and 2) the immediate Past President, who serves a one year term. The chairman shall be the immediate Past President.

SECTION 10. CONVENTIONS COMMITTEE: The function of the Committee on Conventions is to plan and coordinate the Annual Meeting and other authorized conventions, conferences, and symposia. The committee shall consist of at least three (3) members appointed by the President.

SECTION 11. PUBLICATIONS COMMITTEE. The function of the Publications Committee is to publish the DPA newsletter, The Correlator, as well as any special publications commissioned by the Division. The committee shall consist of the DPA Editor, appointed annually by the President, who may appoint members from the Division or Association to serve as committee members or secure such help from members of the Divisions or Association as may be necessary to develop the special publications requested by the Division. All members of the committee shall be subject to the approval of the President.

SECTION 12. WEB SITE COMMITTEE. There shall be a standing Committee that shall maintain the DPA's web site. Membership shall consist of the Chairman, appointed annually by the President, and two (2) members of the Division appointed annually by the Chairman with the approval of the President. The Committee shall ensure that the Division's web site is kept current with the activities of the Division and its'

committees. This Committee will interface with all of the other committees and leadership in its duties.

SECTION 13. MEMBERSHIP COMMITTEE. There shall be a standing Committee on Membership which shall consist of the Chairman, appointed annually by the President, and at least four (4) members of the Division appointed annually by the Chairman with approval of the President. All councilors shall be ex-officio members of the Membership Committee. Committee activities shall include promoting membership in the DPA and Certification amongst the AAPG membership: encouraging DPA members to take an active role in serving the Division; and to study demographics of present and future Division membership and report findings to the Council on an annual or other time frame as may be requested by the Council.

SECTION 14. SPECIAL COMMITTEES. The President of the Division may appoint special committees as may be necessary to conduct pertinent projects.

Article IX: Dues

A non-refundable application fee, and annual dues payable simultaneously with AAPG dues, shall be recommended by officers of the Division of Professional Affairs and approved by the DPA Council .

Article X: AAPG Bylaws

All provisions of the Bylaws of the American Association of Petroleum Geologists, and any Amendments thereto, are incorporated herein by reference and made a part of the Bylaws of the Division of Professional Affairs.

Article XI: Amendments

These Bylaws may be amended at any regular meeting of the DPA Council by a two-thirds vote of the quorum present providing the statement(s) of the proposed amendments was/were mailed, electronically distributed, or distributed by other suitable means to the Council members at least sixty (60) days prior to the meeting date. Amendments will be effective upon concurrence of the Executive Committee of the Association.

Eastern Section Councilor Report

Upcoming ES-AAPG Meeting

The upcoming ES-AAPG meeting will be held on September 22-26, 2012 in Cleveland, Ohio. I have been in contact with Steve Zody, one of the co-chairs, to discuss having visible DPA events at the meeting. He and Pete McKenzie, the other co-chair were supportive. Steve passed me the contact info for both the Tech Program Chair and the Short Course Chair to see what we can schedule. I will contact them shortly. There is consideration of repeating the successful public issues forum that we had at the last ES-AAPG meeting in Arlington, VA. We could get some visibility by sponsoring that as a Tech Session. Another option was to have DPA associated with the All-convention Luncheon and having a DPA speaker. I am in need of speaker ideas for either the luncheon, the forum or a pre-meeting one day workshop for which we could offer professional hours credit. I hope that we can discuss having a pool of potential speakers at the Long Beach meeting.

I will be stepping down as ES DPA Counselor at the end of my term this summer. Patrick Imbrogno, who has been my alternate for the last few years, has been selected as the new counselor. New alternates are Jay Henthorne and Hannes Leetaru.

David Morse

ES-Counselor

4/11/2012

Gulf Coast Section DPA
April 6, 2012

Three (3) Comments by Ralph Baird

The DPA was well represented at the Petroleum History Institute 2012 Symposium on March 8 -10 at the Hess Building and on a related field trip. A luncheon was held to honor Dan Tearpock on February 29 and was well attended and appropriate; it also provided a venue for one-on-one discussions important to DPA. Many new relationships were formed by these two events. There were other events in the Houston and Gulf Coast areas where DPA members attended and continue to encourage non-members of the Division to join/apply for Certification.

A suggestion is for the DPA to create an aggregation of information and meetings about geology and the Earth Sciences. This may attract others to apply to our ranks.

Another important matter before Louisiana geologists is State licensing. This matter deserves careful scrutiny as it applies to AAPG members and nonmembers who practice professionally. The ruthless actions recently by the Texas Board of Professional Geoscientists are an indicator of the extreme danger that compliant geologists will face if they agree to be licensed in any way by such State Boards that over-reach the concept of 'protecting the public.' One must ask and question the real purpose of such licensing.

Respectfully,

A handwritten signature in black ink that reads "Ralph W. Baird". The signature is written in a cursive style with a long, sweeping horizontal line extending to the right from the end of the name.

Ralph W. Baird

DPA 2012 Councilors Report

Bill Meaney

Shreveport, Louisiana

Gulf Coast Section

The Louisiana Legislature passed the “Louisiana Professional Geoscience Practice Act” during the 2010 session. This legislation established the Louisiana Board of Professional Geoscientists who in turn would implement licensing of Professional Geoscientists and administer the provisions of the Act. The Board consists of nine members, six of whom are to be licensed geoscientists, one of whom is to be a licensed professional engineer with expertise in geotechnical engineering and geoscience, and two of whom are to members of the public. Except for the two members of the public, nominees were selected by the governor from names submitted by the Louisiana Engineering Society, New Orleans Geological Society, Baton Rouge Geological Society, Shreveport Geological Society, and Lafayette Geological Society. The governor’s nominees were then subject to approval by the State Senate. My name was submitted by the Shreveport Geological Society, accepted by the governor, and confirmed by the Senate to serve on the Board.

For unknown reasons the Act was not implemented in a timely manner and most of the Board members were not approved until after the first of this year. In the meantime, Dr. Madhurendu Kumar, acting Chairman of the Board, accepted letters from qualified geoscientists stating their intention to apply under the Act’s grandfather clause when an application form is approved by the Board. Dr. Kumar told me that he has received hundreds of such letters.

The stated intent of supporters of licensing was that petroleum geologists would not be required to register. However, due to some perceived ambiguity in the language there is an effort currently afoot to amend and/or repeal the legislation.

I have been in discussions with Dr. Kumar, Michael Simms, and Max Malone to help reach mutually agreeable amendments to the original Act that address the concerns of petroleum geologists. It remains to be seen if those discussions will ultimately be successful or whether the legislation will be repealed.

It was an honor for my name to be submitted by the Shreveport Geological Society but serving on the Board is not something to which I aspired. My first inclination was to decline the nomination however recent events in Texas and the encouragement of DPA leadership caused me to reconsider. I believe that licensing of geoscientists in certain fields of employment is of value to the geoscientist and the public. Petroleum geoscientists should be willing to be involved in the legislative and administrative process for various reasons. I believe it is important to be aware of, and involved in, what is happening in Baton Rouge. It is my hope that my involvement and that of other petroleum geoscientists early in any future efforts to amend or change this legislation will ensure that our concerns are heard and addressed.

Respectfully submitted,

Bill Meaney

2012 DPA ADVISORY BOARD MEETING

MID-CONTINENT SECTION REPORT

April 21, 2012

Long Beach, California

1.) Plans for DPA functions:

A probable Social function late spring in Tulsa, Oklahoma has been discussed. The date and venue are yet to be determined. Also, a late summer to early fall Social function in Oklahoma City has been discussed, the date and venue are yet to be determined.

2.) Membership recruitment underway:

A list from the AAPG Mid-Continent convention of attendees at the DPA luncheon is being used for potential membership candidates. We are dividing up based on location for recruitment as well as invite to functions mentioned above.

3.) Other Items of interest:

We continue to seek input from other councilors on what type of activities draw the most interest and best attendance from DPA members as well as DPA candidates for membership.

Joel Alberts
Oklahoma City, Oklahoma
Mid-Continent Section

David Tschopp
Tulsa, Oklahoma
Mid-Continent Section

DPA ADVISORY BOARD MEETING SECTION REPORT

SECTION: Pacific Section

DATE OF MEETING: April 21, 2012 **LOCATION:** Long Beach, California

MEMBER REPORTING: Bob Countryman **DATE:** April 5, 2012

1. Dates of and plans for DPA functions at the Pacific Section meetings:

- 2012 PSAAPG Meeting: The 2012 PSAAPG meeting will not be held as we are hosting the 2012 ACE at Long Beach (22-25 April 2012).

DPA activities planned for Long Beach include:

- 1) DPA Luncheon: Our scheduled speakers are: Dr. Sally Benson, and Dr. Sharon Mosher. The current plan is that each speaker will be given a half hour (20 minutes for the talk, and 10 minutes for Q&A). As of late March, 145 of the available 175 lunch tickets have been sold. It appears we may well have a sellout for the luncheon.
- 2) Forums: The only forum currently planned that involves the DPA is the "Discovery Thinking" Forum. 5 speakers have been selected including several from Occidental to discuss their recent exploration activities in the San Joaquin Valley including their large discovery.
- 3) Short Courses: There are no DPA short courses planned for the convention.
- 4) Ethics Talk. AAPG's Distinguished Ethics Lecturer Rusty Riese will be giving his Ethics lecture at the convention.

- 2013 Meeting: The 2013 PSAAPG meeting will be at the Portola Hotel in Monterey, CA from April 20-24 2013. Paul Henshaw, retired Chevron, will be the general meeting chair. Planning is currently underway.

- 2014 Meeting: The 2014 PSAAPG meeting is tentatively scheduled to be at the Bakersfield Convention Center in Bakersfield, CA in the spring.

2. Membership Recruitment efforts:

- I have attended local society meetings and have canvassed those I feel qualified to join the DPA. Several new DPA recruits from the PSAAPG are now DPA members or are going through the application process.

3. PSAAPG DPA Councilor Election:

- John Williams (CGS) and Kurt Neher (SJGS) are the candidates for the PSAAPG DPA councilor position for the 2012-2015 term.

4. Other items of interest to report:

None.

DPA ADVISORY BOARD MEETING SECTION REPORT

SECTION: Rocky Mountain

DATE OF MEETING: April 21, 2012

LOCATION: Long Beach, CA

COUNCILOR REPORTING: Jeff Brame of Brame GeoScience, LLC

DATE: April 5, 2012

1. Dates and plans for DPA functions at the Rocky Mountain Section AAPG annual meeting:

The 2012 RMS-AAPG Meeting is scheduled for Sept 9-12 in Grand Junction, CO. In conjunction with this meeting, DPA is sponsoring two activities. First is an all day short course on Sunday, Sept 9 titled "Petroleum Resources and Reserves: An Overview of Geological Recommended Practices". The short course will be instructed by Joe Brewton, Chief Geologist at Subsurface Consultants & Associates, LLC

The second activity is a DPA luncheon with speaker on Tuesday, September 11. The luncheon speaker will be Thomas J. Kerr, Acting Director of the Colorado Oil and Gas Conservation Commission who will present "Current Overview of Oil and Gas Activity in Colorado" as his talk.

These events are posted on the AAPG Rocky Mountain Section website (<http://www.rms-aapg.org>) and will be available for registration to all RMS meeting participants on May 21, 2012

2. Organizational activities within RMS:

I have a list of Rocky Mountain Section DPA members and I am formulating ideas for organizing regional DPA activities.

I have compiled a list of DPA members within my own Four Corners Geological Society in consideration of arranging periodic meetings and social events. I am also soliciting their efforts in recruiting new DPA members in our local area.

3. Membership recruitment efforts:

I am encouraging qualified geoscientists to join DPA at my own FCGS meetings and by contact with other geological societies in the RMS.

4. Rocky Mountain Section DPA Membership:

362 members as of October, 2011

Asia Pacific Region Annual Report

In keeping with the DPA mission, our goal for the Asia Pacific Region is to reach out to the region to promote ethics and professionalism. The Region poses three challenges to advancing that goal: The first is the sheer size of the region, covering over 1/3 of the globe. The second is that for many of the countries in the region, professionalism and ethics are not part of their thinking. The third challenge is that many of the local geologists and geophysicists are very young. As such, activities in the region have been focused on promoting ethics and professionalism largely with the Young Professional Community, our future members.

Challenge 1: Size

For the DPA to be effective in this region, we need a regional committee with members in China, the Stans, India, Bangladesh, Thailand, Malaysia, Singapore, the Philippines, and Australia-New Zealand. Ideally, the DPA Asia Pacific Councilor Committee should be linked with the AAPG Asia Pacific Region.

Challenge 2: Addressing an ethically-challenged culture

With the exceptions of Singapore, Australia and New Zealand, countries within the Asia Pacific Region are ethically-challenged, and in many, corruption is rampant. Furthermore, many Asian cultures have a cultural barrier to ethics in the form of “loss of face”. For example, this cultural phenomenon is so potent that in Thailand, some managers will approve drilling a certain dry hole to avoid causing their boss to lose face by moving the location.

Although I see these issues as unsolvable problems in the region, the DPA should strive to serve as a role-model for ethics and professionalism. We can do so by being more assertive here in the US for standing up for ethics and professionalism. Secondly, we should work with the AP Region and SEAPEX (the South East Asia Petroleum Exploration Society) to host a series of ethics lectures. Thirdly, again working with the AP Region, host a VIP visit to the regions NOC’s promoting ethics and professionalism.

Challenge 3: Young Professionals

Find a means to make the young professionals in the region members of both AAPG and the DPA and then actively recruit them. Consider establishing an ethics blog or other digital communication tool that they can relate to and participate in. Work with the Distinguished Lecture, Student Chapter, and the VPG Committees to get DPA members into the schools and Young Professional Groups and talk about how professionalism and ethics can be incorporated into a career plan.

Submitted

Bob Shoup
Board Certified Petroleum Geologist

The Middle East Region summary follows:

There are currently approximately one dozen CPGs affiliated with the MER, and half of those reside in the Region. Given the resources, we plan to focus on professionalism with our early career colleagues.

A workshop covering resume writing and interviewing skills was proposed for the recent biennial GEO2012 convention, but the organizing committee decided to use a commercial provider to cover this material as part of a larger early career program during the meeting.

There is still interest in this material among students, and we are seeing how we can provide this at regional universities as part of the VPG or other existing programs.

J. W. Tucker
DPA MER Councilor

DPA ADVISORY BOARD MEETING
SECTION REPORT

SECTION: **SOUTHWEST SECTION**

DATE OF MEETING: **April 21, 2012** LOCATION: **Long Beach, CA**

MEMBER REPORTING: **Debbie Osborne** DATE: **March 28, 2012**

1. Plans for, or report of, DPA functions at the section meeting:

The 2012 Southwest Section convention will be held May 19-22, 2012 at the Fort Worth Hilton. DPA will be hosting a breakfast on Tuesday, May 22, 2012. Rusty Riese, Distinguished Ethics Lecturer, will be the speaker at the breakfast.

2. Status of Statutory Registration efforts in states included within this section:

The Texas Board of Professional Geologists has withdrawn the proposed modification of the rules which AAPG, DPA, and petroleum geoscientists believed would enable legislation requiring the licensure of petroleum geoscientists.

3. Ways in which DPA may be of service to the membership. (Please canvas section leadership and individual members, if appropriate.):

AAPG members in the SWS will be personally contacted about the benefits of DPA membership.

4. Section DPA Membership **464 as of March 28, 2012**

Prior year membership **467 as of October 10, 2011**

Recruitment efforts:

3. Other items of interest to report: **None**



Division of Professional Affairs
Board of Certification Report to DPA Council
April 21, 2012
Long Beach, CA

Ladies and Gentlemen:

Thank you for the opportunity to give the Board of Certification Report to the DPA Council as follows:

Members of the Board of Certification are as follows:

Royce P. Carr, Chairman	Robert R. Dawson	John W. Robinson
James P. Evans	Robert G. Lindblom	

The Board approved **twenty-eight (28)** applications during the current reporting period (October 2011 through February 2012):

Certified Petroleum Geologists:	27
Certified Petroleum Geophysicist:	0
Total:	28

We also have **fifteen (15)** in pending status awaiting completion of delegate reports, sponsorship forms or reciprocity approval:

Certified Petroleum Geologists:	15
Certified Petroleum Geophysicists:	0
Certified Coal Geologists:	0
Total:	15

The Board continues to work together efficiently and expeditiously. I believe that the new online application approval process will expedite approvals. I am excited to have this approval process in place and it seems to already be working effectively. We appreciate the hard work of the DPA and Headquarters staff in implementing this process and look forward to the benefits of expedited application reviews in the years to come.

On behalf of the Board of Certification, thank you for the opportunity to submit this report to the DPA Council.

Respectfully submitted,

Royce P. Carr, Chairman
AAPG-DPA Board of Certification

Proposal amendment 01/26/12

Division of Professional Affairs: Bylaws Preamble¹

WHEREAS, The American Association of Petroleum Geologists has, since 1917, provided a structure dedicated to the establishment and maintenance of high professional standards for geoscientists and shall continue to provide such structure, and

WHEREAS, The membership of the Association has requested that the basic scientific objectives be protected and nurtured by professional activities:

IT IS, THEREFORE, prudent to establish a Division of Professional Affairs of the Association on the following premises:

Article I. Purposes

SECTION 1. To strengthen the professional status of geoscientists.

SECTION 2. To require high standards of competence among practicing geoscientists.

SECTION 3. To communicate the affairs of the Division and the profession to geoscientists.

SECTION 4. To communicate to the general public and to government agencies the Association's constant concern to protect the public by restricting the practice of petroleum geology to those known to be qualified, and believed to be competent and reliable.

SECTION 5. To communicate to the general public and to governmental agencies pertinent information on legislative and administrative decisions affecting the regulation of petroleum resource exploration and development.

SECTION 6. To maintain and administer certification requirements through a Board of Certification.

SECTION 7. To encourage high professional standards in the training of geoscience majors in university departments. All actions of the Division of Professional Affairs shall be subject to review and approval of the Executive Committee of the American Association of Petroleum Geologists.

Article II. Headquarters

The official headquarters of the Division of Professional Affairs of the American Association of Petroleum Geologists shall be located at 1444 South Boulder Avenue, Tulsa, Oklahoma, the same as the headquarters of the American Association of Petroleum Geologists.

Article III. Membership

Members of the Division of Professional Affairs ("DPA") shall be those members of the Association who are certified by the Association as a Certified Member or as a Certified Member and Board Certified Member. There shall be three categories of certification at the Certified Member and the Board Certified Member levels: Petroleum Geologists, Petroleum Geophysicists, and Coal Geologists.

SECTION 1. The requirements for certification as a Certified Petroleum Geologist (Certified Member level) shall be:

- a. Graduation from an institution of collegiate standing approved by the DPA Executive Committee, with major study in geology, with a minimum of thirty semester

(45 quarter) hours in geology or their equivalent in geological instruction.

- b. A minimum of eight years of full-time experience working as a Petroleum Geologist, which work is directly related to exploration for and/or development of petroleum deposits, during which period the applicant has demonstrated professional competence under responsible supervision or while self-employed. One year of experience credit may be given for the award of a master's degree or three years of experience credit may be given for the award of a doctor's degree.
- c. Active member of AAPG.

SECTION 2. The requirements for certification as a Certified Petroleum Geophysicist (Certified Member level) shall be:

- a. Graduation from an institution of collegiate standing approved by the DPA Executive Committee, with major study in geology or geophysics, physics or mathematics, with a minimum of thirty semester (45 quarter) hours or the equivalent instruction in the above courses.
- b. A minimum of eight years of full-time experience working as a Petroleum Geophysicist, which work is directly related to exploration for and/or development of petroleum deposits, during which period the applicant has demonstrated professional competence under responsible supervision or while self-employed. One year of experience credit may be given for the award of a master's degree or three years of experience credit may be given for the award of a doctor's degree.
- c. Active or Associate member of AAPG.

SECTION 3. The requirements for certification as a Certified Coal Geologist (Certified Member level) shall be:

- a. Graduation from an institution of collegiate standing approved by the DPA Executive Committee, with major study in geology, with a minimum of thirty semester (45 quarter) hours in geology or their equivalent in geological instruction.
- b. A minimum of eight years of full-time experience working as a Coal Geologist, which work is directly related to exploration for and/or development of coal deposits, during which period the applicant has demonstrated professional competence under responsible supervision or while self-employed. One year of experience credit may be given for the award of a master's degree or three years of experience credit may be given for the award of a doctor's degree.
- c. Active member of AAPG.

SECTION 4. Applicants for Certified Petroleum Geologist, Certified Petroleum Geophysicist, and Certified Coal Geologist shall affirm their adherence to professional and ethical standards of the Code of Ethics of AAPG and shall provide three Sponsors who must be certified members of the Association having present knowledge of the applicant's professional qualifications and ethics. In the extenuating

circumstance that such Sponsors are not available to the applicant, the applicant may be sponsored by noncertified AAPG active members having training and experience equivalent to the requirements for certification at the Certified Member level. Sponsors' endorsement shall be furnished in writing. An evaluation will be conducted by AAPG into the applicant's personal integrity, responsibility, and professional ability and these Sponsors will be contacted by AAPG in its evaluation pursuant to the application for certification at the Certified Member level. (Sponsors shall not be employees or subordinates of the applicant.)

SECTION 5. The requirements for certification as a Board Certified Petroleum Geologist, a Board Certified Petroleum Geophysicist, or a Board Certified Coal Geologist shall be:

- a. Active member of the Division of Professional Affairs for a minimum period of five years (a member will be Board Certified in the category of certification in which he or she is a Certified Member);
- b. Completion of twenty (20) professional development hours in the previous twelve months per the requirements set forth from time to time by the Division's Board of Certification.
- c. Affirmation to the Board of Certification of adherence to the AAPG's Code of Ethics.

SECTION 6. The requirements for maintenance of certification at the Board Certified Member level shall be:

- a. Maintenance of membership as an active member of the Division of Professional Affairs;
- b. Completion of twenty (20) professional development hours per year per the requirements set forth from time to time by the Division's Board of Certification.
- c. Affirmation to the Board of Certification of adherence to the AAPG's Code of Ethics.

Article IV. Governance

SECTION 1. The Governance of the Division of Professional Affairs shall be managed by the DPA Council. The number of councilors to serve on such Council, the length of their term and their specific duties are set forth in Article V of these Bylaws.

SECTION 2. The DPA Council shall set the policy of the Division of Professional Affairs including an annual budget and the Executive Committee of the Division shall implement and execute such policies.

SECTION 3. The Administrative and Fiscal Year of the Division of Professional Affairs shall begin on the first day of July and end on the last day of the next June.

SECTION 4. In order to hold office or serve on any standing or special committee with the Division of Professional Affairs, a person must be a Member of the Division as set forth under Article III of these Bylaws.

Article V. Councilors

SECTION 1. The affairs and management of the Division of Professional Affairs are to be under the control of the DPA Council. The DPA Council shall consist of the following:

- a. The President, Vice President, President-Elect, immediate Past President, Treasurer, and Secretary, all of whom shall serve as the Executive Committee. The President, Vice President, immediate Past President, and President-Elect shall serve a one (1)-year term and shall not succeed themselves in office. The Secretary

and Treasurer, each as such, shall serve a two (2)-year staggered term and shall not succeed themselves in office. The terms of office shall commence on July 1 following election.

- b. Councilors shall be elected from each American Association of Petroleum Geologists Section and international membership on a proportional basis. Each section having one or more Division members shall be allowed one council member for each 200 resident Division members or major part thereof. International representation on the Council shall be one council member for each 200 international Division members or major part thereof. Each council member shall serve for three (3) years on staggered rotating terms. Any vacancies occurring during the year in any of the Councilors elected from the American Association of Petroleum Geologists sections or international region shall be filled from the Division of Professional Affairs membership by appointment from the President with the approval of the DPA Council. Such appointee shall serve out the remaining portion of his predecessor's term, or a lesser term as approved by the DPA Council.

SECTION 2. The DPA Council shall have full power and authority to do all acts and perform all functions necessary to carry out the purposes for which the Division of Professional Affairs has been organized. It shall review and approve the President's appointments to standing, special and ad hoc committees.

SECTION 3. The chairmen of all standing committees of the Division of Professional Affairs who are not elected members of the DPA Council shall be advisory, nonvoting members of the DPA Council, and they shall advise and assist the voting members of the DPA Council in the conduct of the affairs of the Division of Professional Affairs.

SECTION 4. The DPA Council shall serve as a functioning long-range planning body to review the Division's activities. The DPA Council shall approve qualified candidates for Division officers as provided in these Bylaws and shall approve recipients for all honors and awards which the DPA Council may establish.

SECTION 5. The DPA Council shall meet twice each year; once during the Annual Meeting of the Association and a second time between Annual Meetings of the Association. Additional meetings may be held at the call of the President. A quorum shall consist of a simple majority of members. Robert's Rules of Order shall apply at all meetings to the extent that such rules are practicable and not superseded by these Bylaws or by other procedures adopted by the DPA Council. Mail canvasses may be conducted when necessary for interim action when requested by the DPA Executive Committee. The Executive Committee of the Division shall have the authority to conduct the business of the DPA between Council Meetings. Interim and special meetings may be conducted by telephone conference call or other electronic means.

Article VI. Officers

SECTION 1. The officers of the Division shall be the President, Vice President, President-Elect, immediate Past President, Secretary, and Treasurer. . The officers of the

Division shall constitute the Executive Committee of the Division. The officers shall have the following duties:

- a. The President shall serve as the Chief Executive Officer of the DPA and shall serve as spokesman for the DPA on all matters pertaining to the public except as stated otherwise in these Bylaws. The President shall preside at all regular and special meetings of the DPA except as stated otherwise in these Bylaws, and the Division Executive Committee; shall appoint all committee members except as stated otherwise in these Bylaws; and shall assign the other officers to serve as liaisons to committees.
- b. The Vice President shall perform the duties of the President in the absence or inability of the President to serve; shall assume the office of the President in the case of a vacancy for any cause in that office and shall perform such duties as may be assigned by the President.
- c. 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 become acquainted with all the details of the office of President, and generally become prepared to serve as President. The President-Elect while such shall coordinate Division activities to be conducted during the President-Elect's term as President, such coordination specifically to include without limitation Division activities during the Association's convention and section meetings. The President-Elect shall be responsible for coordinating the selection of Division members to serve as members of the DPA Council as provided by Article V, Section 1 (b) of these Bylaws.
- d. The Secretary shall be responsible for recording the actions of the Division Executive Committee, the DPA Council, and assist the presiding officer; shall issue notices to meetings of the Executive Committee, the DPA Council, and the DPA membership on direction of the President. The Secretary shall monitor all elections and shall validate election results.
- e. The Treasurer shall supervise the receipt of all funds and, under the direction of the Division Executive Committee, be responsible for all disbursements of funds of the DPA. Disbursements of funds of \$500.00 or less, may be authorized with the approval of the President provided those disbursements do not constitute a series of disbursements for any single item whose gross amount exceeds the \$500.00 limitation. The Treasurer shall make the annual report and perform such other duties as directed by the Executive Committee.
- f. The Past President shall serve as chairman of the nominations and awards committees of the DPA Council.

SECTION 2. The Executive Director of the American Association of Petroleum Geologists is designated Executive Director of the Division of Professional Affairs. The repository of all documents shall be at the headquarters under the physical custody of the Executive Director. Such documents shall include implementing, definitive guidelines, and procedures for the processing of all applications for certification.

SECTION 3.

- a. Officers shall be elected from among the members of the Division by means of secret ballot in the following manner: as provided under Article VIII, SECTION 8 and not later than October 31 of each year the DPA Council shall annually select two (2) or more candidates each for the offices of Vice President and President-Elect, and biennially select two (2) or more candidates for offices of Secretary and Treasurer to stand for election during the following fiscal year, and if elected, to serve during the second succeeding fiscal year. The names of the approved candidates shall be submitted for approval to the Executive Committee of the Association. Additional nominations may be made by written petition of fifty (50) or more members in good standing in the Division. Such petition(s) must be received at Association headquarters not later than November 15 of each year. The slate of candidates, along with appropriate biographical information, shall be disseminated to the members of the Division prior to the period of balloting in a manner to be determined by the Executive Committee of the Division.

The Executive Committee of the Division shall then prepare a ballot, listing the candidates for each office and one (1) ballot shall be mailed, electronically distributed, or distributed by other suitable means to each Division member on or before April 1. Ballots returned to and received by the Division after May 15 shall not be counted. A ballot committee, appointed by the President of the Division, shall count the ballots promptly after May 15 and report results to the President of the Division. A plurality of all votes cast for an office is necessary for election. In case of a tie vote, the Division Executive Committee shall cast one (1) additional vote.

SECTION 4. A vacancy occurring in the offices of Vice President, Secretary, or Treasurer shall be filled by the DPA Council. A vacancy in the office of President shall be filled by the Vice President. **In the event of a vacancy in the office of immediate Past President, the President shall appoint a member of the Division to serve in the place of the immediate past president as a member of the Executive Committee and as a member of the Council with all of the authority and powers of the immediate Past President and such appointee shall perform the functions of the immediate Past President, including the functions described in Section 8 and Section 9 hereof; provided, however, that the member so appointed shall not be an officer of the Division.**

A vacancy occurring in the office of President-Elect shall be filled by a ballot of the membership, through a special election called by the DPA Council. Two or more candidates shall be recommended and approved by the DPA Executive Committee and DPA Council. A ballot shall be mailed, electronically distributed, or distributed by other suitable means to all Division members as soon as practicable. Only ballots returned within thirty (30) days from the date of the ballot distribution shall be counted.

SECTION 5. In the event that neither the President nor the Vice President are able to attend a meeting of the DPA

Council, the President-Elect shall call the meeting to order and conduct the meeting.

Article VII: Certification

SECTION 1. There is hereby created a Board of Certification, which shall consist of the Chairman of the Board of Certification, who shall be appointed by the President of the Division from among the members of the Division for a term of three years and who shall be qualified to serve as such Chairman only so long as he or she remains a member of the Division during such term, and the other members described in the immediately succeeding sentence. The president of each technical division of the American Association of Petroleum Geologists which sponsors certification of Association members in a professional category shall appoint as members of the Board of Certification for each category sponsored by such division four (4) members of such division and of the Association certified in such category (or, if such certified members of such division and the Association are not available, then Association and division members qualified to be certified), such Board members serving three- (3-) year terms and (i) the three- (3-) year terms of the four (4) members of the Board appointed for each category shall be staggered so that the term of membership of no more than two (2) of such members shall be for the same three- (3-) year period, (ii) in the event of the vacancy in the position served by any of such four (4) members before the end of a member's term, a replacement member shall be appointed to serve the unexpired term, and (iii) such members may serve successive terms as members.

SECTION 2. The members of the Board who are appointed by virtue of certification or qualification in a particular professional category ("Category Board Members") shall review each application for certification in that particular professional category, making such evaluation as those Board members deem necessary, and shall approve or disapprove each applicant for certification in that particular professional category as determined by a majority vote of the Category Board Members. Certification of applicants so approved shall be subject to the approval of the president of the Division of Professional Affairs, the president of the technical division sponsoring certification in such professional category (if not the Division of Professional Affairs), and the Executive Director of the Association.

SECTION 3.

- a. If the Category Board Members discover evidence in their evaluation which would cause the Category Board Members not to approve an applicant for certification, the Chairman of the Board of Certification shall notify the applicant that such evidence has been discovered and inform the applicant that, upon the applicant's request, the nature of such evidence will be disclosed to the applicant and the applicant will be given the opportunity to present evidence to the Category Board Members concerning the matter. If the applicant, within thirty (30) days after such notification, requests disclosure to the applicant of the nature of the evidence, the Chairman of the Board shall disclose to the applicant the nature of such evidence and the applicant may provide to the Category Board Members through the Chairman of the Board in writing within sixty (60)

days from the date of such disclosure any additional evidence concerning the matter. Upon receipt of such additional evidence from the applicant, the Category Board Members will carefully consider all of the material before them concerning the applicant, including the evidence submitted by the applicant, and will then make their decision by majority vote to approve or disapprove the applicant for certification.

- b. If the Category Board Members disapprove the applicant for certification, or if any one or more of (i) the president of the technical division sponsoring certification in that professional category, (ii) the president of the Division of Professional Affairs (if not the sponsoring division), or (iii) the Executive Director of the Association does not approve the application, the applicant will be notified of the failure of the applicant to be approved at which time, unless the applicant was given and did not avail himself or herself of the opportunity to provide additional evidence to the Category Board Members as described in the preceding paragraph, the applicant shall also be notified that he or she may, within thirty (30) days after the mailing of the notice to the applicant of the failure of the applicant to be approved for certification, appeal to the Executive Committee of the Division of Professional Affairs the disapproval by the Board of his or her application for certification, and, if the applicant was approved by the Category Board Members but does not receive the required approval of a division president or the Executive Director of the Association, the applicant will be given the opportunity to be informed of the reason for such approval not being received. Within thirty (30) days after the initiation of an appeal by the applicant to the Executive Committee of the Division of Professional Affairs, the applicant may present additional evidence either in person or in writing, or both, as the applicant deems appropriate. If the applicant wishes to present evidence in person, the Executive Committee of the Division of Professional Affairs shall designate one or more of its members to meet with the applicant to receive such evidence at a time and place determined by the Executive Committee at which meeting the applicant may be accompanied by legal counsel if the applicant has given fifteen (15) days prior written notice of the same to the Executive Committee of the Division of Professional Affairs. The Executive Committee of the Division of Professional Affairs shall carefully consider all of the aspects of the application and its decision on appeal shall be promptly communicated to the applicant.

SECTION 4.

- a. The Board of Certification shall develop, maintain, and revise from time to time as the Board deems appropriate the requirements for professional development hours for those members who are certified at the Board Certified level.
- b. The Board of Certification shall, from time to time, randomly audit Board Certified Members to ensure proper adherence to the requirements for professional development hours as promulgated by the Board

pursuant to Section 4a of this Article VII and set forth in Article III, Sections 6a and 6b.

SECTION 5. The Executive Committee of the Division of Professional Affairs (i) shall from time to time set a fee to be paid annually by each certified member of the Association and (ii) may from time to time set an additional fee to be paid annually by each certified member of the Association for each second or more multiple certifications of such member in professional categories. Such fees shall be subject to the approval of the Executive Committee of the American Association of Petroleum Geologists which approval may be revoked at any time. Each certified member shall maintain membership in the technical division sponsoring certification in the professional category in which he or she is certified. Failure to pay such fee or to maintain such membership shall result in revocation of certification.

SECTION 6. A member certified at the Board Certified Member level in a particular professional category shall not refer to himself or herself as certified in that category at both the Certified Member level and the Board Certified Member level.

Article VIII: Committees

SECTION 1. STANDING COMMITTEES. The DPA Council shall have the authority to establish and dissolve standing committees of the Division. In like manner, the charge to each standing committee may be modified. The membership of each standing committee should include at least one Council member.

SECTION 2. APPOINTMENTS AND TENURE. The President shall appoint and has the authority to remove all committee chairmen, vice-chairmen, and committee members, and shall fill vacancies whenever they occur, except where otherwise specified in these Bylaws. The DPA Council shall determine the number of members of each standing committee. 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 and vice chairmen shall be for one (1) year beginning July 1. Members of standing committees shall serve in rotating terms, one-third (1/3) of the members of each standing committee, unless otherwise provided, shall be appointed each year.

SECTION 3. LOCAL CERTIFICATION COMMITTEE. The President of the Division of Professional Affairs shall appoint two (2) or more Division members as defined under Article III of these Bylaws, or use a Certified Delegate, as a local Committee for each concentration of members and prospective applicants, whose functions shall be to make recommendations on applicants for certification in professional categories sponsored by the Division of Professional Affairs and handle other local business as the need requires. The Local Certification Committee, or the Certified Delegate, shall make such evaluations and submit such recommendations of the applicant's qualifications as required by the Board of Certification.

SECTION 4. COMMITTEE ON GOVERNMENTAL AFFAIRS. There shall be a standing Committee on Governmental Affairs which shall consist of the Chairman appointed annually by the President, and at least five (5), but not more than twenty-five (25) members appointed annually by the Chairman with the approval of the President. The

Chairman shall also appoint a Vice Chair with the approval of the President. Committee activities shall include, but not be limited to, governmental affairs that impact the profession of petroleum, energy and environmental geology. The Committee shall inform the Executive Committee and DPA Council on matters of concern regarding State and Federal legislation and regulatory policy primarily by way of the Action Alert System. Committee activities shall, when appropriate, keep the members of the Association informed on matters affecting petroleum exploration and development. Official AAPG statements and related action by the Committee shall be approved by the Division Executive Committee and the Executive Committee of the Association. Subsequent Committee activities, statements or testimony before legislative, regulatory or other governing bodies are authorized when in conformity with previously approved AAPG statements by the Governmental Affairs Committee (GAC) Chairman, Vice Chair, and the AAPG Executive Committee. AAPG statements or temporary statements are those statements that have been approved by the GAC Chairman, Vice Chair, and the AAPG Executive Committee. The GAC's Chairman and/or Vice Chair shall maintain communications with the GEO-DC office as much as is practicable and within the guidelines that may be provided for by the GEO-DC's Board of Governors.

SECTION 5. COMMITTEE ON STATE REGISTRATION. There shall be a Committee on State Registration with a Chairman appointed annually by the President. The Chairman, with the approval of the President, may appoint members from the Division or Association to serve as committee members or secure such help from members of the Division or Association as may be necessary to carry out the duties of the Committee. The Committee shall monitor and report to the Executive Committee and the DPA Council on the status of registration or licensing of petroleum geologists at the State and Federal levels. The Committee shall coordinate with the Division President before taking action related to registration or licensing of petroleum geologists by government agencies.

SECTION 6. COMMITTEE ON CONTINUING EDUCATION. There shall be a standing Committee on Continuing Education which shall consist of the Chairman, appointed annually by the President, and at least four (4) members appointed annually by the Chairman with the approval of the President. Committee activities shall include supervising and monitoring all continuing education activities of the Division. The Committee is specifically charged with the duty of evaluating and recommending to DPA members those non-AAPG continuing education offerings that would be of value to DPA members and to work with the Publications Committee to develop DPA sponsored courses. The Committee shall coordinate its activities with the Education Department of the AAPG.

SECTION 7. BYLAWS COMMITTEE. There shall be a standing committee on Bylaws which shall consist of the Chairman, who shall be the President-Elect of the Division, and at least three (3) members appointed by the President. Committee activity shall be to recommend Bylaw changes to the DPA Council.

SECTION 8. NOMINATING COMMITTEE: The nominating committee shall make recommendations to the DPA Council for officer nominations each year. The

nominating committee shall consist of the three (3) latest past Presidents available and the current President. This committee shall advise nominees of their duties and obligations if elected to office in the DPA. The chairman shall be the immediate Past President.

SECTION 9. AWARDS COMMITTEE. The awards committee shall make recommendations to the DPA Council for the purpose of awards each year. The committee shall be composed of three members: 1) two of which are appointed for three year terms; and 2) the immediate Past President, who serves a one year term. The chairman shall be the immediate Past President.

SECTION 10. CONVENTIONS COMMITTEE: The function of the Committee on Conventions is to plan and coordinate the Annual Meeting and other authorized conventions, conferences, and symposia. The committee shall consist of at least three (3) members appointed by the President.

SECTION 11. PUBLICATIONS COMMITTEE. The function of the Publications Committee is to publish the DPA newsletter, The Correlator, as well as any special publications commissioned by the Division. The committee shall consist of the DPA Editor, appointed annually by the President, who may appoint members from the Division or Association to serve as committee members or secure such help from members of the Divisions or Association as may be necessary to develop the special publications requested by the Division. All members of the committee shall be subject to the approval of the President.

SECTION 12. WEB SITE COMMITTEE. There shall be a standing Committee that shall maintain the DPA's web site. Membership shall consist of the Chairman, appointed annually by the President, and two (2) members of the Division appointed annually by the Chairman with the approval of the President. The Committee shall ensure that the Division's web site is kept current with the activities of the Division and its' committees. This Committee will interface with all of the other committees and leadership in its duties.

SECTION 13. MEMBERSHIP COMMITTEE. There shall be a standing Committee on Membership which shall consist of the Chairman, appointed annually by the President, and at least four (4) members of the Division appointed annually by the Chairman with approval of the President. All councilors shall be ex-officio members of the Membership Committee. Committee activities shall include promoting membership in the DPA and Certification amongst the AAPG membership: encouraging DPA members to take an active role in serving the Division; and to study demographics of present and future Division membership and report findings to the Council on an annual or other time frame as may be requested by the Council.

SECTION 14. SPECIAL COMMITTEES. The President of the Division may appoint special committees as may be necessary to conduct pertinent projects.

Article IX: Dues

A non-refundable application fee, and annual dues payable simultaneously with AAPG dues, shall be recommended by officers of the Division of Professional Affairs and approved by the DPA Council .

Article X: AAPG Bylaws

All provisions of the Bylaws of the American Association of Petroleum Geologists, and any Amendments thereto, are incorporated herein by reference and made a part of the Bylaws of the Division of Professional Affairs.

Article XI: Amendments

These Bylaws may be amended at any regular meeting of the DPA Council by a two-thirds vote of the quorum present providing the statement(s) of the proposed amendments was/were mailed, electronically distributed, or distributed by other suitable means to the Council members at least sixty (60) days prior to the meeting date. Amendments will be effective upon concurrence of the Executive Committee of the Association.

Conventions Committee

Paul Britt, Chairman

Report

MEETING	2012	2013	2014
ACE	Apr 22-25	May 19-22	
	Long Beach CA	Pittsburg PA	Apr 6-9
Gen Chairman		Mike Canich	Houston TX
DPA Chairman	Bob Countryman	Dan Billman?	
Discovery Thinking Chr	Charles Sternbach	Charles Sternbach	
			Charles Sternbach
ICE	Sept TBD	Sept 8-11	
	Singapore	Cartagena Columbia	
Gen Chairman			
DPA Chairman	Bob Shoup		
Onshore Sci & Tech			
Gen Chairman			
DPA Chairman			
NAPE			
	GRB Houston TX	GRB Houston TX	
Gen Chairman			GRB Houston TX
DPA Chairman			
Summer NAPE			
	GRB Houston TX	GRB Houston TX	
Gen Chairman			GRB Houston TX
DPA Chairman			

MEETING	2012	2013	2014
Pacific Section			
	with ACE		
Gen Chairman			
DPA Chairman			
Southwest Section	May 19-22		
	Fort Worth TX		
Gen Chairman			
DPA Chairman			
Rocky Mt Section	Sept 9-12		
	Grand Junction		
Gen Chairman			
DPA Chairman			
Eastern Section	Sept 22-26		
	Cleveland OH	with ACE	London ONT CA
Gen Chairman	Steve Zody Pete MacKenzie		
DPA Chairman			
Mid Continent Section			
(every other year)		Wichita KS	
Gen Chairman			
DPA Chairman			
GCAGS	Oct 21-23	Sept-Oct TBD	Sept-Oct TBD
	Austin TX	New Orleans LA	Lafayette LA
Gen Chairman	Dallas Dunlap		
DPA Chairman	Pete Rose?		

Singapore International Convention and Exhibition

September 16 – 19, 2012

Discovery Thinking Session

Charles Sternbach is reprising his role as session chair for the Discovery Thinking Session for the first time at an ICE. The session will be held on Tuesday Afternoon.

Technical Sessions

In addition to the Discovery Thinking Session, the DPA will co-sponsor, along with AAPG, five technical oral and poster sessions (see attached). Those sessions are as follows:

Monday Oral: New Life from Old Fields and Mature Basins

Session Chairs: *Muhammad Raza* and Bob Shoup

Monday Poster: Methodologies for Improving Interpretations and Map Accuracy

Session Chairs: Shaun Richardson and *Shen Weifeng*

Tuesday Poster: Lessons and Opportunities from Mature Basins and Fields

Session Chairs: Ian Collins and *Mark Schneider*

Tuesday Poster: New Life from Old Fields and Mature Basins

Session Chairs: Deet Schumacher

Wednesday Oral: Lessons and Opportunities from Mature Basins and Fields

Session Chairs: *John Turvil* and *R. Ripple*

Names in italics and not DPA Members. They should receive a letter from the DPA president thanking them for serving as a session chair and invite them to apply for DPA membership

All Convention Luncheon

The DPA will co-sponsor, along with AAPG, Scott Tinker at the All Convention Luncheon on Monday.

The Asia Premier of *Switch* and Reception

The DPE, along with AAPG and SEAPEX, will host the Asian Premier of Arcos Films production of *Switch* starring Scott Tinker. There will be a pre-screening reception and a post-screening question and answer session. For this event, the organizing committee are inviting the regions Energy Ministers along with NOC and Oil Company senior executives. Then DPA-president Charles Sternbach, as an event co-sponsor, will be able to give a brief presentation about the need for ethics and professionalism in helping to meet the energy needs of the region and the world.

Submitted

Bob Shoup

DPA Vice Chair / Technical Program co-chair

Board Certified Petroleum Geologist



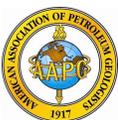
Forum: DISCOVERY THINKING
(AAPG/DPA)
Date: Monday September 17th, 2012
Time: 1:15-5:00 PM
Location: Room TBA, Singapore
Chair: C. Sternbach

The “Discovery Thinking” Forum will be the sixth presentation of the AAPG 100th Anniversary Committee’s program recognizing “100 Who Made a Difference.” The Forum in Singapore will be the first such panel at an International Convention signifying expansion into a true global setting. The Singapore forum will feature five invited speakers who have made a difference outside of the US and North America, with special focus on Europe and SE Asia. The speakers will celebrate: ***Important Discoveries and Creative Thinking***

Each speaker and their associates overcame great challenges in both business and geological aspects of our profession. Topics to be discussed will include philosophy of exploration, stories from remarkable careers, professional insights and colorful anecdotes, lessons learned on the path to success. As technology advances and a new wave of young geoscientists enter our profession, we see continued interest in forums such as this to discuss the personal side of success and what has been called the “art of exploration.” This year’s program focuses on insights derived from hard won experience. Additional time is allowed to permit the speakers to share personal stories about discoveries they know well and to also bring forward appropriate technical data.

These talks will emphasize exciting global discoveries. These and other contributions from the Asia Pacific region will be of particular interest for explorers in a Singapore venue. This will be the inaugural Discovery Thinking Forum at an AAPG International Convention (ICE).

- Arild Jørstad, Exploration Geoscientist, Lundin: **“The new giant Johan Sverdrup discovery, Norway”**
- Bernard Duval, Associate Professor IFP: **“Creative Thinking led to 40 years of Success in Mahakam, Indonesia”**
- Fred Wehr, Exploration and Development Manager Apache, David Phelps and Eric Phinney: **“Two Deep Mungaroo Gas discoveries in the Carnarvon Basin, Australia– Context and Implications for Further Prospectivity”**,
- Lawrence D. (Trey) Meckel, III, Exploration Manager & Chief Geologist, Tately N.V. : **“Exploring a 19th Century Basin in the 21st Century: Seeing the North Sumatra Basin with New Eyes”**
- Sam Algar, VP Asia Pacific Exploration, New Ventures & Global Portfolio Murphy Oil: **“Deepwater NW Borneo: Big Oil from “Gas-Prone” Source Rocks and Leaking Traps”**



AAPG 2012 International Conference & Exhibition

Monday Morning Oral

Theme 3: New Life from Old Fields and Mature Basins (AAPG/DPA)

Room Heliconia Main Ballroom 3401A/B/2/3 - 3501A/B/2/3

Co-Chairs: M. A. Raza and B. Shoup

10:55 **Introductory Remarks**

11:00 **Exploiting Oil from Thin Pay Zones and Inaccessible Areas of Lower Burgan Sabiriyah, North**

Kuwait: A. N. Khan

11:20 **Importance of Play Based Thinking in the Exploration Study: Example of the 1997 Gazetal Round in Browse basin, North West Shelf, Australia:** M. Yamanaka

11:40 **Dare to Think Outside the Box: A Success Story in Shallow HC Reservoirs in Offshore Sarawak, Malaysia.:** M. S. Mustafa, S. S. Wafa, K. A. Kamaruzaman, A. A. M Sabirin

12:00 **Delineation of Synrift Deposit Reservoirs of Malay Basin, Malaysia:** M. A. Raza, W. B. Wan Yusoff, M. I. Suleman

Theme 2: Tectonic Influence on Carbonate Platform Architecture (AAPG/SEPM)

Room Heliconia Main Ballroom 3404/5/6 - 3504/5/6

Co-Chairs: R. K. Park and P. Bassant

10:55 **Introductory Remarks**

11:00 **The Influence of Tectonic Regimes and Age on Growth Styles of Eocene-to-Recent Carbonates, Offshore and Onshore Sarawak, Malaysia: Implications for Carbonate Play Exploration:** E. W. Adams, R. E. Besems, S. J. Gough, E. Kosa

11:20 **Depositional and Diagenetic Evolution of a Papua New Guinean Onshore Carbonate Reservoir during the Change from a Rifted Margin to Fold and Thrust Belt Setting:** M. E. Wilson, D. Holland, O. Yogi, T. Allan, L. Hombo, A. Goldberg

11:40 **Neogene Carbonate Growth and Drowning Offshore Central Vietnam: Consequences of South China Sea-opening and Onshore Uplift:** M. B. Fyhn, T. C. Giang, L. H. Nga, N. T. Hong, N. D. Nguyen

12:00 **The Tectonic Overprint and Evolution of Large-Scale Carbonate Platforms in Central Luconia, Offshore Sarawak, Malaysia:** K. Ting, B. J. Pierson, O. Al-Jaaidi

Theme 4: Fluid Flow: Basins to Reservoirs (AAPG)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Co-Chairs: M. Kacewicz and R. E. Swarbrick

10:55 **Introductory Remarks**

11:00 **Future of High Performance Computing in Integrated Petroleum Systems Modeling:** M. Kacewicz

11:20 **Petroleum Migration and Accumulation Models Revisited from a Reservoir Engineering Perspective:** K. Liu, X. Tang, A. Rashid, X. Wei

11:40 **Vertically Clustered Amplitude Anomalies: Evidence for Vertical Gas Migration in Heterogeneous Sequences:** M. Foschi, J. A. Cartwright, F. J. Peel

12:00 **Fault Seal Failure - An Explanation for Geological Depletion of Reservoir Pressure:** R. E. Swarbrick, S. O'Connor

Theme 2: Asia Pacific Regional Structure (AAPG)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: A. Gartrell and M. Aurelio

10:55 **Introductory Remarks**

11:00 **Mapping Rifted Margin Structure and Ocean-Continent Transition Location Using Crustal Thickness from Gravity Inversion for Asia-Pacific and the Indian Ocean:** A. Alvey, N. Kusznir, A. Roberts

11:20 **Implications of Long-Term Reactivation of Faults Normal to Rift Axis for Coarse-Grained Clastic Systems and Structural Segmentation in the Niigata Basin, Japan:** H. Kurita, T. Toyoshima, Y. Ishikawa

11:40 **Hydrocarbon Potential of Forearc Basins in Asia:** P. Janssen, E. Frankowicz, D. Steffen

12:00 **The Sorong Fault Zone Kinematics: The Evidence of Divergen and Horsetail Structure at NW Bird's Head and Salawati Basin, West Papua, Indonesia.:** P. Riadini

Theme 2: Non-Marine Clastic Reservoir Systems (AAPG/SEPM)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Co-Chairs: C. Oglesby and A. Ferguson

10:55 **Introductory Remarks**

11:00 **Facies Architectural Study of a Distributary Channel System in the Ferron Notom Delta, Southern Utah, U.S.A.:** Y. Li, J. Bhattacharya

11:20 **Transgression-Driven Avulsion of Fluvial Channels:** J. Lambiase

11:40 **A High Resolution Sequence Stratigraphic Approach to Correlate Complex Sub-Seismic Tidally-Influenced Estuarine Incised-Valley Fill Reservoirs of the Lakshmi Field, Gulf of Cambay, India:** S. Sanyal, L. Wood, D. Chatterjee, N. Dwivedi, S. Burley

12:00 **Fluvial Architecture of Reverse Directional Channels in the Irrawaddy Sandstone, Central Myanmar:** N. M. Than

Monday Afternoon Oral

Theme 1: Asia Pacific Geology and Petroleum Potential (AAPG)

Room Heliconia Main Ballroom 3401A/B/2/3 - 3501A/B/2/3

Co-Chairs: I. M. Longley and B. Shoup

13:55 **Introductory Remarks**

14:00 **South-East Asia Exploration Activity - 2000 and Beyond:** S. Bandal, J. M. Jacques, M. Whibley

14:20 **Crustal Structure and Plate Reconstruction of the South China Sea and its Bearing on Petroleum Systems:** P. Reemst, N. Kusznir, S. Gozzard, D. Franke, J. Teasdale, G. Henstra, E. Frankowicz

14:40 **Tectono-Stratigraphic Framework and Tertiary Paleogeography of Southeast Asia; Gulf of Thailand to South Vietnam Shelf:** R. C. Shoup, R. J. Morley, T. Swiecicki, S. J. Clark

15:00 **Exploring the Relationship between Global Eustatic Change and Simultaneous Regional Tectonic Events in Southeast Asia - Implications for Petroleum Systems.:** J. Highton, E. Collins, A. M. Lavender

15:20 **Break**

16:00 **The Tectonostratigraphic Evolution and Tertiary Petroleum Systems of SE Asia - An Updated Model:** I. M. Longley

16:20 **The Palaeogeographic Evolution of Asia and Australasia Since the Late Jurassic: Implications for Depositional Systems and Source to Sink Relationships:** P. Markwick, A. Galsworthy, L. Raynham, R. Baliff, K. Bunny, M. Harland, D. Eue, D. Campanile, E. Edgecombe, N. Wrobel

16:40 **The Late Oligocene Palaeogeography, Palaeolandscape and Palaeodrainage of Indochina and Southeast China:** K. Wilson

17:00 **Asia Pacific Exploration & Production Highlights:** S. V. Crellin

Theme 2: Source to Sink and Deepwater Systems (AAPG/SEPM)

Room Heliconia Main Ballroom 3404/5/6 - 3504/5/6

Co-Chairs: T. Lukie and A. Bachtiar

13:55 **Introductory Remarks**

14:00 **Source to Sink Modeling in NW Borneo; Improving Our Understanding of the Sediment Routing Path from Floodplain to Basin Floor:** N. Hoggmascall, J. Torres, A. Gartrell, D. Blades, C. Gibson

14:20 **Identifying Reservoir Architecture in Mio-Pliocene Canyon Systems of the Northern Kutei Basin:** J. Reader, J. Vendrell-Roc, R. White

14:40 **Sediment Supply Systems of the Champion "Delta" of NW Borneo: Implications for the Distribution and Reservoir Quality of Associated Deepwater Sandstones:** J. Lambiase, A. Cullen

15:00 **Downslope Internal Evolution of a Deep Water Slope Channel Complex: Giza Field, West Nile Delta:** P. Butterworth, J. Vergaehe

15:20 **Break**

16:00 **Submarine Sediment Distribution Patterns within the Bengal Fan System, Deep Water Bengal Basin, India:** B. Thomas, P. Despland, L. Holmes

16:20 **Evidence for Lateral and Longitudinal Compensational Stacking in Sub-Basins Based on Numerical Models of Turbidity Currents on Complex Margin Topographies:** S. M. Luthi, X. Wang

16:40 **Demystifying the Bouma and Lowe Sequences: Products of Hyperpycnal Flow:** R. Higgs

17:00 **Risk Reduction of a Deepwater Mound Prospect by the Recognition of Paleo-Chemosynthetic Carbonate Crusts:** J. W. Muraro, C. Alvarez, R. Kellet, G. W. Metcalfe

Theme 4: Igneous Rocks and Processes in Petroleum Systems. (AAPG)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Co-Chairs: S. P. Holford, N. Schofield and R. Johns

13:55 **Introductory Remarks**

14:00 **Understanding the Impact of Volcanic Systems in Petroleum Basins - The Plumbing System Approach:** L. Holmes

14:20 **3D Seismic Analysis of Late Cenozoic Volcanism and Fluid Flow in the Bass Basin, Southeastern Australia:** S. P. Holford, N. Schofield

14:40 **Magmatic Plumbing Systems Within the Faroe-Shetland Basin: Structure, Flow Pathways and Igneous Compartmentalization:** N. Schofield, D. Jolley, S. P. Holford

15:00 **Paleocene to Recent Evolution of the Northeast Atlantic Ireland and Faroe-Shetland Offshore Areas, Tertiary Igneous Activity and Sub-basalt Exploration:** D. Ellis

15:20 **Break**

16:00 **Interaction Between Faults and Igneous Intrusions in Sedimentary Basins: Insights from 3D Seismic Reflection Data:** C. Magee, C. A. Jackson, N. Schofield

16:20 **The Impact of Igneous Intrusion into Sedimentary Basins on Petroleum Systems:** J. A. Cartwright

16:40 **Seismic Expression and Petroleum System Implications of Igneous Intrusions in Sedimentary Basins: Examples from Offshore Australia:** C. A. Jackson, C. Magee, N. Schofield, B. Golenkov

17:00 **Seismic Delineation of Igneous Sheet Complexes on the Exmouth Plateau (NW Australia): Origin, Emplacement Mechanism and Implications for Petroleum Generation:** M. Rohrman

Theme 5: Coalbed Methane: A Global Perspective (AAPG/EMD)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: J. B. Aldrich and P. Cockcroft

13:55 **Introductory Remarks**

14:00 **Development of an Exploration and Exploitation Model for Methane in Carboniferous Age Coal and Carbonaceous Shale in the Mid-Continent and Eastern US and its Application to Other Basins:** S. A. Tedesco

14:20 **Assessing and Advancing a CBM Resource Play towards Commerciality — A Case Study from the UK; PEDL 159 Solway Basin:** J. B. Aldrich, T. Hower, J. Sipeki

14:40 **Regional Depositional Environment Model of Muara Enim Formation and Its Significant Implication for CBM Prospect in South Sumatra Basin, Indonesia:** N. Muksin, D. Yusmen, R. Waren, A. A. Werdaya, D. Djuhaeni

15:00 **Parbatpur Mine Degassing - A Model for Commercial CMM Project in India:** M. D. Roy, B. Choudhury

15:20 **Break**

16:00 **Coal Characterization by Coal Bed Methane Drilling in Tatapani - Ramkola Coalfield, Surguja District, Chhattisgarh, India:** D. K. Das, K. Mahanta

16:20 **Coiled Tubing Assisted Hydraulic Fracturing of CBM Wells in India Using CT-Deployed Hydrajet Perforation Technology:** A. Sharma, D. Bhalla, S. Bhat

16:40 **Increasing of Fracture Conductivity of CBM Wells by Restimulating Fractures by Use of LWC Proppant and TSO Design:** A. Agarwal, A. Sharma, T. Jain, H. Kapoor

17:00 **A New Model of Sorption-Induced Strain and Permeability for Coal Bed Methane:** M. Geilikman, S. Wong

Theme 5: Taking it to the Bottom Line: New Dimensions in Completion Optimization (AAPG/EMD)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Co-Chairs: C. H. Smith and S. Gomez

13:55 **Introductory Remarks**

14:00 **Integrating Core Data and Wireline Data for Formation Evaluation and Characterization of Shale Gas Reservoirs:** J. Quirein, D. Buller, J. Witkowsky, J. Truax

14:20 **Knowledge of the Rock Improves Completion Efficiency in Unconventional Reservoir - A Case Study:** C. H. Smith, E. Menendez, L. Ziane

14:40 **Optimized Shale Resource Development: Proper Placement of Wells and Hydraulic Fracture Stages:** U. Ahmed

15:00 **First Deep Asia Pacific Region Horizontal Multiple Stage Frac in Chinese Cambrian Age Marine Qiongzhusi Shale Play: Case History, Operation, & Execution:** K. Chong, J. Dumesnil, Q. Wang, J. Wooley

Theme 4: Pore Pressure Prediction (AAPG)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Chair: M. Tingay and A. Duncan

15:55 **Introductory Remarks**

16:00 **Pressure Generation and Deflation Mechanisms in Deeply Buried Intra-Salt Reservoirs of the Late Neoproterozoic to Early Cambrian South Oman Salt Basin:** P. A. Kukla, L. Reuning, S. Becker, J. L. Urai, J. Schoenherr

16:20 **Foresee the Unforeseen : Modeling West Baram Delta Overpressure:** C. A. Ibrahim, L. Light

16:40 **Origin and Distribution of Overpressure in the Northern Malay Basin:** M. Tingay, C. K. Morley, A. Laird, O. Limpornpipat, K. Krisadasima, H. Macintyre, S. Pabchanda

17:00 **Overpressure Mechanisms in Deep Drilling in Western Offshore India:** R. R. Kumar, D. G. Rao, S. Parashar, H. Singh

Monday Afternoon Poster

Theme 2: Carbonate Reservoir Systems (AAPG/SEPM)

Exhibition Hall 14:00 - 17:00

Chair: M. E. Wilson

- **High-Resolution Sequence Stratigraphy of the Red River “B” Reservoir, Williston Basin, North Dakota, USA:** A. Husinec, B. Rendall
- **Sequence Stratigraphy and Facies Analysis of Arab-C and Sub Arab-C Reservoirs: A Case Study from Eastern Saudi Arabia:** E. A. Busbait
- **Permian Prograding Carbonate Margin without Marginal Reef and Implications for Hydrocarbon Exploration: A Case Study from Eastern Precaspian, Kazakhstan:** R. Yang, Y. Zhang, G. Li, T. Hao
- **Depositional and Diagenetic Effects on Reservoir Properties in Carbonate Debris Deposits: Comparison of Two Debris Flows within the Berai Fm., Makassar Strait, Indonesia:** C. A. Tanos, J. Kupecz, J. K. Warren, S. Lestari, A. Baki
- **Comparison of Central and Southeast Asia Carbonate Fields: Reservoir Properties, Petroleum System and Challenges:** H. Darman, B. van der Kooij
- **Sequence Stratigraphy-Facies Analysis and Stylolite-Fracture Characterization Related to Porosity-Permeability in Carbonate Facies of Rajamandala Formation of Cikamuning Area, West Java-Indonesia:** M. A. Riswanti, A. Herlambang, L. A. Perdana, B. Sapiie
- **Fracture Modeling using Outcrop Scale Measurements for Rus Formation (EOCENE), Dammam Dome, Eastern Saudi Arabia:** M. A. Yassin, M. Hariri
- **Reservoir Geometry Identification of Reef and Carbonate Platform Deposits and Its Implication to Reservoir Quality Prediction Case Study of Baturaja Formation, Halimeda Field, South Sumatra Basins, Indonesia:** C. D. Ardianto, D. Bagus, M. Arham
- **The Recognition of Ordovician Karst Landform in Ordos Basin, China:** G. Jianrong, X. Wanglin, G. Yanru
- **A New Logging Recognition Method of Small Fracture-Cave and Fills in Fracture-Cavity Reservoirs in Tahe Oilfield, Tarim Basin, China:** T. Fei, J. Qiang, L. Yang, Z. Hong-fang, Z. Wen-bo
- **Cambrian Limestone Dolomite Mechanism in the Bachu Area, Tarim Basin, China:** Z. Bo, L. Ming, D. Shufu
- **Fluid Detection in Carbonate Reservoirs Utilizing Gas Analysis-A Case Study:** A. F. Abu ghneej, B. Khan, T. Al-Adwani, S. K. Singh, A. H. Al-Otaibi, N. Marai
- **Solutions to Problems Faced in Well Log Analysis in Carbonate Reservoir Systems Due To Multiple Porosities and Lithologies:** A. Sharma, T. Jain, H. Kapoor
- **1st Eocene New Challenge Areas Integrating Geological, Petrophysical and Production Data in Wafra Field, PNZ, Kuwait:** N. M. Eloutefi, N. Fawzi, F. Al-Khaldi
- **Carbonate Facies Model and Paleogeography of Tendehhantu Formation, Northern Kutai Basin, Indonesia:** D. P. Amiarsa, I. A. Kurniawan, A. Susanto, K. N. Tabri

Theme 2: Structural Applications in Exploration and Development (AAPG/SEPM)

Exhibition Hall 14:00 - 17:00

Chair: A. Cullen

- **In Situ Stress and Fracture Characterisation in the Victorian Otway Basin, South-eastern Australia: Implications for the Unconventional Plays:** D. Tassone, S. P. Holford, R. King, G. Backe

- **First-Order Assessment of the Fault Seal Risk in the Gippsland Basin, Australia:** B. N. Ciftci, L. Langhi, J. Strand, L. Goldie Divko
- **The Mechanism and Controlling Factor of Paleogene Rift Basin in the Western Indonesia:** B. Sapiie, M. Hadiana
- **Tectonics of the Western and Northwestern Rim of the South China Sea---Implications to Petroleum System Parameters:** J. W. Granath, J. M. Christ, W. Dickson
- **Crustal-Scale Seismic Imaging in the Natuna Basin (Indonesia) and Its Impact on the Tectonic History of the Central Sunda Craton:** J. W. Granath, M. G. Dinkelman, J. M. Christ, P. A. Emmet
- **Fracture Mapping, Stress Field Characterization, and Successful Well Placement in a Carbonate Reservoir, Using Multi-Depth LWD Images:** K. Al Daghar, T. Ihab, R. Sayed, A. Abdelaal, L. Ramos, R. Chemali, A. Aki, S. Azzam, O. Abdel Razak
- **Fractured Basement Reservoirs and Oil Displacement Mechanism in White Tiger Field, Offshore Vietnam:** H. X. Nguyen, B. Wisup, X. Tran Van
- **Tectonic Evolution of Altyn Strike-Slip Fault System and Peripheral Petroleum Exploration, Northwest of China:** Z. Yang, Q. Chen, X. Han
- **Fractured Basement Reservoirs Characterization in Central Sumatera Basin, Kotopanjang Area, Riau, Western Indonesia: An Outcrop Analog Study:** Z. Holis, B. Sapiie
- **Structural Evolution of Banda Arc, Eastern Indonesia: As a Future Indonesian Main Oil and Gas Development:** Z. Holis, A. S. Ponkarn, A. Gunawan, S. Damayanti, B. K. Gunawan
- **Cretaceous Deposition in the Phuquoc-Kampot Som Basin On- and Offshore South Indochina:** M. B. Fyhn, L. H. Nielsen, N. D. Nguyen, N. T. Hong, L. H. Nga, T. C. Giang
- **Towards a Better Understanding of the Structural Style and Hydrocarbon Potential of the Southern Kirthar Fold Belt (Pakistan): New Insights from Field Observation and Remote Sensing:** S. Ahmad, A. Qayyum, M. I. Khan, G. Rehman
- **The Well Trajectory Impact on Hydrocarbon Discovery in Fractured Basement Reservoirs - A Case Study from CuuLong Basin, Vietnam:** B. Li, W. Z. Embong
- **Understanding and Defining the Metasedimentary Basement in Malay Basin, Offshore Peninsular Malaysia:** N. Pendkar, P. Mokhtar, Z. B. Juni, M. B. Kadir
- **Velocity Analysis and Application of Variable Velocity Mapping Method in Dagang Exploration Area in the East of China:** G. Cai, H. Liu
- **Play Conditions of Paleozoic in Saudi Arabia Basin:** G. Zuo, G. Fan, F. Lv

Theme 4: Carbon Capture & Geological Storage (AAPG/DEG)

Exhibition Hall 14:00 - 17:00

Chair: M. Bunch

- **CO2CRC Otway Project - Soil Gas Monitoring 2007 - 2012:** U. Schacht
- **CO2 Storage Reservoir Architecture using Palaeoenvironmental Evidence from Petrographic, Palynological and Diagenetic Pathway Study:** R. Daniel, M. Bunch, S. Menacherry, A. Golab, M. Lawrence

Theme 3: Methodologies for Improving Interpretations and Mapping Accuracy (AAPG/DPA)

Exhibition Hall 14:00 - 17:00

Co-Chairs: Shaun Richardson and Shen Weifeng

- **Old Data, New Value - How Technology, Regulations and Need is Driving our Consumption within E&P:** C. Beebee, D. Blue

- **Analysis of Spectral Decomposition for Thickness Distribution Estimation of Y Sandstone at X Field, Central Sumatra Basin:** G. P. Adi, R. Tiantoro, W. A. Tollioe
- **Methodology for Enhancing and Evaluating Geologic Effects of Time Series Models: A Case of Ground Response in Santa Clara Valley, California:** O. Samuel-Ojo, L. Olfman, L. Reinen, A. Flenner, D. Oglesby, F. Gareth
- **Seismic Resolution Enhancement using Coefficient Reflection Log and Vertical Seismic Profiling Data:** S. Wicaksono
- **A Computer Aided Sequence Stratigraphy Approach For Reservoir Characterization Using Neutral Network and Fuzzy Logic of Sanghar Area, Southern Indus Basin, Pakistan:** A. Wahid
- **Fluid and Petrophysical Prediction in The Elastic Domain Using Neural Network Method:** M. Hermana, M. Najmi, Z. Tuan Harith, C. W. Sum
- **A Novel Method of Automatic Training Data Selection for Estimating Missing Well Log Zone Using Neural Networks:** Y. Yu, D. Seyler, M. D. McCormack
- **Spectral Responses of Vegetation and Soil Submitted to Natural Gas Seepages: Examples from Tropical Terrains in Brazil and Insights for Applications in Hydrocarbon Exploration:** C. R. Souza
- **Lithology and Fluid Identification Using Extended Impedance Method:** W. Utama, J. Saputro
- **The Influence of Borehole Breakout in Shear Wave Velocity Prediction: A Case Study of "Pleades" Well, South Sumatera, Indonesia:** S. Prahastudhi, I. Andriani Putri
- **AVO for Reservoir Characterization:** G. Tomar
- **Clay Application as Oil Demulsifier Case Study: Sulursari Village, Gabus Subdistrict, Grobogan Regency, Jawa Tengah Province, Indonesia:** K. Y. Putra, M. Hatmanda, E. Adhiansyah
- **New Developments in Hydrocarbon Exploration Opportunities in Ghanaian Offshore Environment:** P. Ekwutoziam

Tuesday Morning Oral

Theme 2: Shallow Marine Clastic Reservoirs (AAPG/SEPM)

Room Heliconia Main Ballroom 3401A/B/2/3 - 3501A/B/2/3

Co-Chairs: S. Salahuddin and P. McCabe

8:55 Introductory Remarks

9:00 **A New Depositional Model for the North Kutei Basin:** J. Vendrell-Roc, R. White, J. Reader

9:20 **The Modern Mahakam Delta: Ongoing Delta Abandonment on a Tide-Dominated Margin:** S. Salahuddin, J. Lambiase, N. Nirsal

9:40 **Sequence Stratigraphic, Sedimentologic and Petrographic Insights of the Miocene (Stage IVA) Outcrops of the Klias Peninsula and Labuan Island, Sabah, Malaysia, Borneo:** T. Lukie, A. Balaguru

10:00 **Evaluation of General Resistivity-Density Based Saturation in Thin Laminated Sand-Shale Sequences:** S. Alshannaq, J. Quirein

10:20 Break

11:00 **Neogene Sedimentary Fringe, West of Indo-Burma Ranges, in Western Myanmar: Some Evidences for Late Cenozoic Synorogenic Sedimentation in Himalayan-Bengal System:** K. KHIN, T. Sakai

11:20 **Prospectivity of the Equatorial Conjugate Margins of Africa and South America:** S. Wells, J. C. Greenhalgh, R. Borsato

11:40 **Quantitative Palaeostratigraphy: A Key for Delineating Maximum Flooding Surfaces and Sequence Boundary in the Onshore Depobelt, Niger Delta of Nigeria:** O. C. Adojoh, P. L. Osterloff, K. Adejinmi

12:00 **Controls on Chlorite Coatings in Shallow Marine Sandstone Reservoirs: An Illustration From the Mid-Jurassic of Norway:** F. Lafont, J. C. Matthews, A. Capron, L. Schulbaum

Theme 1: Petroleum Geology: West Malaysia, and Thailand, (AAPG/AP Region)

Room Heliconia Main Ballroom 3404/5/6 - 3504/5/6

Co-Chairs: J. E. Booth and N. Comrie-Smith

8:55 Introductory Remarks

9:00 **Deep Exploration Challenges in a High Pressure Ultra-High Temperature (HPXHT) Environment: The Central Malay Basin, Offshore Peninsular Malaysia:** C. Benan

9:20 **De-Risking a Gas Development using Geophysical Methods:** A. Mannini

9:40 **The Exploration and Development of the Songkhla D and E fields.:** R. The, J. Pringle, G. Peace, A. Laird, S. Maykho, R. Kudisri, T. Veerachai

10:00 **Bualuang Oilfield, Gulf of Thailand: A Successful Development Using Geosteered Horizontal Wells:** N. Comrie-Smith, M. Lawlor, M. Virdy

10:20 Break

11:00 **Achieving Better Understanding of Reservoir Connectivity through the Application of FPWD, Complemented by Advanced LWD Measurements:** S. Fey, C. Platt, V. Kienast, R. Watcharanatakul, C. Oglesby, C. Maeso, T. Duangprasert

11:20 **Real-Time Pore Pressure Gradients: An Example from the Pattani Basin:** I. Klahan, W. Nopsuri

11:40 **The Deformation History of the Palaeozoic and Mesozoic of the Khorat Plateau, North Eastern Thailand and Southern Laos:** J. E. Booth, N. Comrie-Smith

12:00 **Recent Gas Exploration on the Khorat Plateau of Thailand and Laos - A Tough Nut To Crack!:** N. Comrie-Smith, J. E. Booth, S. Koysamran, M. Lawlor

Theme 1: Petroleum Geology: Australia and PNG (AAPG/AP Region)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Co-Chairs: K. C. Hill and S. E. Keenan

8:55 Introductory Remarks

9:00 **The Greater Northern Australia-Eastern Indonesia Super Gas Province: Why so much Gas and Little Oil?:** P. M. Barber, J. Winterhalder

9:20 **Reassessing the Petroleum Prospectivity of the Offshore Northern Perth Basin, Western Australia:** A. Jones, J. Kennard, C. Nicholson, N. Rollet, D. Mantle, E. Grosjean, C. Boreham, D. Jorgensen, D. Robertson, G. Bernardel, J. Greinert, R. Kempton, L. Langhi, Y. Zhang, L. Hall, R. Hackney, S. Johnston, P. Petkovic, T. Bernecker, M. Bradshaw

9:40 **Structure, Stratigraphy and Petroleum Potential of the Central Officer Basin, South Australia:** P. Boulton, P. J. Bennett, A. Freeman

10:00 **Integrated Reservoir Simulation and Development: Reindeer Gas Field, Carnarvon Basin, NW Shelf, Australia:** D. A. Pivnik, D. Best, C. Marshall, E. Jackson

10:20 Break

11:00 **Source Rock Mapping using Fluid Inclusion Geochemistry in the Offshore Perth Basin:** H. Volk, R. Kempton, S. Gong, M. Ahmed, S. C. George, C. Boreham, E. Grosjean

11:20 **The Mananda Anticline, Papua New Guinea; Two Oilfields, Four Dry Holes and Deep Potential?:** S. E. Keenan, K. C. Hill, J. B. Iwanec

11:40 **Structural and Stratigraphic Evolution of the Gulf of Papua, Papua New Guinea: New Insights from a Modern 3D Seismic Survey:** A. Botsford, L. Endebrock, A. Harrington

12:00 **Near-Field, Sub-Thrust and Deep Reservoir Tests of the Kutubu Oil and Gas Fields, Papua New Guinea:** K. C. Hill, J. B. Iwanec, D. Lund

Theme 5: Lacustrine Mudrocks: The Next Big Unconventional 'Thing' (AAPG/EMD)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: N. D. Rodriguez and U. Berner

8:55 Introductory Remarks

9:00 **Why Marine "Shale-Plays" Have Been Preferred Over Continental Shale Plays to Date:** J. Dumesnil

9:20 **Variability of Paleogene Source Facies of Circum- and Drifted Sundaland Basins, Western Indonesia: Constraints from Oil Biomarkers and Carbon-13 Isotopes:** A. H. Satyana, M. Purwaningsih

9:40 **Geological Characteristics and Developing -Prospecting Foreground of Oil shale in Tongchuan-Huangling District, Shaaxi, North China:** B. Yunlai

10:00 **TBD**

Theme 5: China: World-Class Resource Potential Awakens

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: F. Wang and R. Miller

10:55 Introductory Remarks

10:55 **Basic Geological Characteristics and Resource Potential of Tight Sandstone Gas in China:** B. Guo, J. Li, X. Li, W. Yan

11:00 **Originai Gas in-place(OGIP) of lower Silurian and Lower Cambrian Black Shale in the South China:** F. Wang, X. Meng, Z. He

11:20 **Shale Gas Characteristics in the Southeastern Part of the Ordos Basin, China: Implications for the Accumulation Condition and Potential of Continental Shale Gas:** X. Tang, C. J. Zhang, B. Yu, W. Ding, Y. Yang, L. Wang, J. Xiong

11:40 **Optimum Selecting Method and Application Result of Strategic Investigation Shale Gas Wells:** H. Shuang-biao

Theme 2: Advances in Carbonate Reservoir Models (AAPG/SEPM)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Co-Chairs: J. K. Warren and J. Kupecz

8:55 Introductory Remarks

9:00 **The Maastrichtian Reservoir, Kuwait - Saudi Arabia Partitioned Zone: Improved Reservoir Definition and Field Growth Through Integration and Teamwork:** J. W. Turner, A. Al-Kandari, G. Remila, S. Palar, A. Iqbal, D. Reddie

9:20 **3D Outcrop Modeling of a Carbonate Shoal Complex Using Cellular Automata, Jabal al Akhdar, Oman:** C. Hasler, E. W. Adams

9:40 **Practical Modeling of Complex Depositional Systems, from Carbonate Diagenesis to Shale Resources:** J. M. Yarus, R. L. Chambers

10:00 **Characterization and Modeling of Tight Fractured Carbonate Reservoir of Najmah-Sargelu Formation, Kuwait:** P. K. Nath, S. K. Singh, R. Abu-Taleb, R. Prasad, B. Khan, S. Bader

10:20 **Break**

11:00 **Value and Insights from Synthetic Seismic Validation of Reservoir Models in Carbonate Gas Fields, Offshore Sarawak, Malaysia:** A. D. Kayes, K. Baharaldin

11:20 **Sequence Development Influenced by Intermittent Cooling Events in Cretaceous Aptian Greenhouse, Adriatic Platform, Croatia:** A. Husinec, F. Read

11:40 **Nuclear Magnetic Resonance Permeability Response in Carbonate Reservoirs with Secondary Porosity:** J. Borell, J. Donohue, C. H. Smith

12:00 **The Impact of Pore Geometry and Microporosity on Velocity-Porosity Relationship in Carbonates of Central Luconia, Sarawak.:** N. Bashah, B. J. Pierson

Tuesday Morning Poster

Theme 4: Igneous Rocks and Peocesses in Petroleum Systems (AAPG)

Exhibition Hall 10:00 - 13:00

Co-Chairs: S. P. Holford, R. Johns and N. Schofield

- **Volcanic Rocks Distribution and Exploration Potential in Ordos Basin, China:** G. Jianrong, X. Wanglin, G. Yanru
- **Seismic Technique and Application of Tiaohu Formation Volcanic Traps in Santanghu Basin, West of China:** F. Zhi
- **Influence of Sill Intrusions on the Thermal Maturity of Source Rocks - Modelling Heat Flow and Organic Geochemical Alterations:** U. Berner, G. Delisle
- **Identifying the Potential in Complex Basement Reservoir: Advance Application of Borehole Images and other Openhole Logs, A Case Study From Western Offshore, India.:** S. Pattanaik, S. Parashar, K. Sikdar, I. Basu, V. Nangia, A. Agrawal
- **Tectonic Disposition and Hydrocarbon Potential of 85° East Ridge in Bay of Bengal:** K. S. Misra, V. Joshi
- **Charge modeling in Fractured Basement. Application to the Otway Basin, Australia.:** A. Dubois, M. Lefranc, O. Schenk
- **Calibration of Igneous Systems and Basin Prospectivity using 2D Seismic and Potential Field Interpretations:** A. Krassay, K. Connors, L. Pryer, C. Jorand

Theme 3: Lessons and Opportunities from Mature Basins and Fields (AAPG/DPG)

Exhibition Hall 10:00 - 13:00

Chair: D. Schumacher

- **Reservoir Quality of Neogene Sandstones from Bengal Basin, Bangladesh:** M. Islam
- **Identifying New Opportunities Through Reservoir Performance Reviews And Dynamic Modelling Of A Mature Oil Field Under Waterflood:** T. M. Goodall, J. Boyd-Gorst
- **Controls on the Regional Distribution of Khuff Gas Fields, and a Conceptual Model for Lateral Hydrocarbon Migration into the Khuff Reservoirs:** A. M. Afifi, A. G. Bhullar, M. A. Rwiai, P. D. Jenden
- **Hydrodynamic Trapping, Tilted Contacts and New Opportunities in Mature Kutei Basin, East-Kalimantan, Indonesia:** U. Jauhari, R. Permana, A. Wijanarko, A. Soenoro
- **Locating Bypassed Reserves in Geologically Complex Mature Fields Environments:** M. Dautel, J. Pitcher, M. S. Bittar
- **Integrated Geoscience and 4D Technology Defines Reservoir Compartments to Extend Production Life of the Ravva Field, K-G Basin, India:** R. McClenaghan, K. Saika, S. Mishra, C. Rao, K. Reddy, M. Gupta, J. Guttormsen, S. Joysula, S. D. Burley
- **The Discoveries of the Barmer Basin, Rajasthan, India.:** N. J. Whiteley, S. Burley, B. Ananthkrishnan, D. Ginger

Theme 4: New and Emerging Technologies (AAPG/EMD)

Exhibition Hall 10:00 - 13:00

Chair: **TBD**

- **Reservoir Delineation Using Spectral Decomposition, Spectral Inversion and Neural Network Analysis for an Oily Reservoir in Offshore Thailand:** D. Cox, J. Castagna, G. Gil, R. Ripple, S. Rubio, J. Moon, R. Roever, A. Laird, G. Peace, R. The, J. Mitchell, J. Pringle, N. Htein
- **Automated Petrography Solution Onshore Field Test in Papua New Guinea:** D. Haberlah, M. Garrick
- **Applications of Small Diameter Cross Dipole Sonic and Micro-Resistivity Imaging Logging Tools in Conventional and Unconventional Reservoirs:** P. Williams
- **Integration and Evaluation of Four Geochemical Methods for Regional Onshore Petroleum Exploration in the Mackenzie Delta, Northwest Territories, Canada.:** D. Seneshen, J. Fontana
- **OBC Seismic Learnings in Papua:** Y. Supriatna, B. J. Barley, S. Supriyono
- **Seismic Acquisitin Design in a Geologically Complex and Difficult Area of Berau Bay, Papua Barat:** S. Supriyono, D. Suryanto
- **East African Continental Margin: Mapping Ocean-Continent Transition Structure, Location and Kinematics:** N. Kuszniir, B. W. Horn, J. W. Granath, A. Alvey
- **Pre-Salt Prospectivity on Regional 3D Seismic Data, Campos and Santos Basins, Brazil:** J. Berryman, R. Borsato, L. Hawkins, M. Martin, M. Pyett, H. Zhu
- **Recent Development and Understanding of Evaporites on Regional 3D Seismic Data Regarding Sealing and Trapping Potential, Santos Basin, Brazil:** M. Pyett, J. Berryman, R. Borsato, L. Hawkins, M. Martin, H. Zhu
- **Gulf of Thailand - Bongkot Field Model-Based 3D Pre-Stack Simultaneous Inversion and Facies Classification:** G. Manickam, G. Nyein, S. Berhanu, S. Goswami, C. Kwaela, J. Bancelin, H. Sognnes, N. Pooksook, S. Utitsan, O. Limpornpipat

Theme 3: New Life from Old Fields and Mature Basins (AAPG/DPA).

Exhibition Hall 10:00 - 13:00

Chair: D. Schumacher

- **Monitoring Double-Porosity Reservoir using Artificial Water Tracers : A Field Case Study:** H. Juilla
- **Finding New Pays in Old Plays: New Applications for Surface Geochemical Exploration in Mature Basins:** D. Schumacher
- **The Main Challenges for the New Exploration Ideas and Concepts Do We Dare to be Different?:** H. Mohamad
- **A Secret of Two Tremendous Oil and Gas Machinery in Kuwait:** R. Andriany, H. Akbar, A. Al-Khamiss, A. Al-Fares

Theme 4: Operating in the HP-HT Environment (AAPG)

Exhibition Hall 10:00 - 13:00

Chair: TBD

- **Advances in Hostile Formation Testing: A Case Study from Gulf of Thailand:** S. Banerjee, R. Puttanarakul, K. Osman, N. Rongsayamanon, A. Muangsuwan
- **Delivering Deep, HP/HT Wells in the Mediterranean:** D. Cowper, L. Wild

Theme 1: Exploring and Developing Asia-Pacific Petroleum Provinces I(AAPG/AP Region)

Exhibition Hall 10:00 - 13:00

Chair: TBD

- **South China Sea Regional Heat-flow Prediction from Gravity Inversion Mapping of Crustal Thickness and Continental Lithosphere Thinning:** N. Kuszniir, A. Alvey, A. Roberts
- **Understanding the Prospectivity of Indian Sedimentary Basins Using Palaeogeographic and Palaeolandscapes Analysis:** A. Quallington, K. Wilson, G. Scougal
- **Exploration Opportunities in the Northern Tarakan Basin - Based on Newly Acquired Seismic and Play Mapping:** J. M. Jacques, H. Manur, R. J. Hoult, A. H. Satyana
- **Integrating Wells and 3D Seismic Data to Delineate the Sandstone Reservoir Distribution of the Talang Akar Formation, South Sumatra Basin, Indonesia:** R. Widodo
- **Tectonic and Stratigraphic Mapping Framework of the Lower Arthur Creek, South Georgina Basin, Northern Territory, Australia:** P. Boulton, P. J. Bennett
- **Onshore Western Australia Reinvigorated:** R. Bruce
- **Anomalous Passive Subsidence of Deep-water Sedimentary Basins: An Example from Offshore New Zealand:** T. Stern
- **The Frontier Halmahera Basin, Eastern Indonesia: A New Hydrocarbon Province?:** M. C. Ryan, H. Butcher, T. Halvorsen, L. W. Kuilman, J. Demichelis, A. Sayentika, A. Jansson, J. H. van Koeverden, M. Wall, C. Messina, S. Hay, G. Kulsrud
- **Extrapolating Successful Myanmar Irrawaddy Delta Multi TCF Gas Plays into the Deep Water Andaman Sea Basin:** G. Scaife, R. Spoors, L. Penn
- **Oligocene/Deep Targets in the North Malay Basin - The Challenges of HThp Exploration:** R. Groot, S. Seerunghungsan, S. Phimthong, P. Ponthanom, K. Krisadasima, C. Kwaela
- **The Geothermal Distribution and Development Mode in China:** G. Xiaorong
- **Depth of Oil Window of the Eastern Part of the Precaspian Basin:** T. A. Yensepbayev, A. Izart, G. Z. Zholtayev
- **Integration of Sequence Stratigraphy and Elastic Inversion Improved Understanding on Reservoir Characterizations in a Gas Field, Offshore Sabah:** N. Mohamad, O. A. Mahmud, N. Razali, M. Handi, M. Nor, M. Amin, M. Mohamed
- **The Petroleum Potential of the West Timor Trough, Indonesia:** A. Tripathi, W. Jones, R. Rajagopal
- **Characterising Permo-Carboniferous Glaciogenic Reservoirs on the Margin of the Lenard Shelf, Canning Basin, Western Australia:** J. al-Hinaai, J. Redfern

Tuesday Afternoon Oral

Theme 3: Discovery Thinking (AAPG/DPA)

Room Heliconia Main Ballroom 3401A/B/2/3 - 3501A/B/2/3

Chair: C. Sternbach

13:55 **Introductory Remarks**

14:00 **The New Giant Johan Sverdrup Discovery, Norway:** A. Jørstad

14:40 **Creative Thinking led to 40 years of Success in Mahakam, Indonesia:** B. Duval

15:20 **Two Deep Mungaroo Gas Discoveries in the Carnarvon Basin, Australia- Context and Implications for Further Prospectivity:** F. Wehr

16:00 **Exploring a 19th Century Basin in the 21st Century: Seeing the North Sumatra Basin with New**

Eyes: L. Meckel

16:40 **Deepwater NW Borneo: Big Oil from “Gas-Prone” Source Rocks and Leaking Traps:** S. Algar

Theme 2: Structural Styles and Play/Prospect Implications (AAPG)

Room Heliconia Main Ballroom 3404/5/6 - 3504/5/6

Co-Chairs: J. W. Granath and A. Balaguru

13:55 **Introductory Remarks**

14:00 **Integration of Aeromagnetism and Geology to Identify Petroleum Productive Areas for**

Conventional and Unconventional Resources: S. A. Tedesco

14:20 **Structural Styles on the Conjugate Equatorial Atlantic Margins: Similarities and Differences and**

Where to Go Next: I. Davison

14:40 **A Newly Re-Emerging Petroleum Area on the North Africa Plate Margin: The Sicily Channel:** P.

Fink, W. Zimmer

15:00 **Geological Evolution and Hydrocarbon Plays of Madagascar (with Occasional Reference to**

Australia): P. Jeans

15:20 **Break**

16:00 **Salt Tectonics and its Controls on the Prospectivity of Miocene Sands, Offshore Angola:** R. Borsato,

K. McDonald, F. Mathew, S. Morse, L. M. Joaquim, J. G. Jose, A. M. Pedroleoliveira

16:20 **Structural Evolution of Ubadari Field, Bird's Head, Papua:** E. V. Yudhanto, D. Pasaribu

16:40 **Critical Insights into the Delineation of Structurally Complex Reservoirs during Field Development**

from Interpretation in a Shared Earth Environment: C. Le Turdu, G. Bejarano, R. Laver, M. Koley, L.

Schulte, W. E. Abbott

17:00 **Best Practice of Data Integration in Developing Naturally Fractured Tight Carbonate Reservoirs:**

Kuwait Case Study: E. Al-Anzi, C. Pattnaik, N. Srinivasa Rao, S. Al-Ashwak, N. Hussain Al-Ajmi, R. Hussain

Al-Mayyas, V. Kidambi, B. Al-Qadeeri, A. Motar Al-Anzi, M. Acharya,, C. Darous

Theme 1: Petroleum Geology: Indonesia (AAPG/AP Region)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Co-Chairs: P. B. Woodroof and T. Charlton

13:55 **Introductory Remarks**

14:00 **Improved Understanding and Interpretability of Plover Formation beneath a Complex**

Accretionary Section in West Timor, Indonesia: M. Farouki, F. d'Alterio, E. Gentile

14:20 **Exploring the Jurassic of the Bomberai Peninsula, West Papua:** P. B. Woodroof

14:40 **Seismic Character and Reservoir Architecture of Miocene Deep Water Clastics of the North**

Sumatra Basin: M. Gidding, F. B. Hakim, L. Meckel

15:00 **The petroleum potential of the Indonesian Banda Arc:** T. Charlton

Theme 1: Petroleum Geology: China (AAPG/AP Region)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Chair: TBD

15:55 **Introductory Remarks**

16:00 **Accumulation Conditions for Ordovician Gas Enrichment in the West Margin of Ordos Basin,**

China: W. Xu, Y. Guo, J. Liu, G. Jianrong

16:20 **Lacustrine Tight Oil: New Petroleum Exploration Domains in China:** D. Li, J. Li, S. Wang, S. Wang

16:40 **Assessment of Undiscovered Continuous Gas Resources in the Eastern Uplift of the Liaohe Basin,**

Northeast China: R. M. Pollastro, C. J. Potter, R. R. Charpentier, C. J. Schenk, T. A. Cook, T. R. Klett, M. A.

Kirschbaum

17:00 **Oil Accumulation of Donghe Sandstone Secondary Hydrocarbon Reservoir in the North Tarim**

Basin, China: Z. Bo, L. Ming, L. Qiming

Theme 2: Source Rocks: Coals, and Shales (AAPG/SEPM)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: W. H. Abdullah and R. Lin

13:55 **Introductory Remarks**

14:00 **Distribution of Organic-Rich Sediments Through the Phanerozoic:** P. McCabe

14:20 **Source-Rock Plays and Sequence Stratigraphy: What Makes the Best Part of the Best Plays?:** B.

Hart

14:40 **Key Tools for Black Shale Evaluation: Geostatistics and Inorganic Geochemistry Applied to Vaca**

Muerta Formation, Neuquen Basin, Argentina: A. Nawratil, H. Gomez, C. Larriestra

15:00 **Lacustrine Basin Unconventional Resource Plays: Key Differences:** B. J. Katz, F. Lin

15:20 **Break**

16:00 **Depositional Controls on Source Rock Character in the Aman Trough, North Central Sumatra,**

Indonesia: N. D. Rodriguez, R. P. Philp

16:20 **Oil-Prone Mangrove-Derived Tertiary Coals and Dispersed Organic Matter of Balingian Province,**

Sarawak, Malaysia: W. H. Abdullah, P. Abolins

16:40 **Improved Calibration of the Absolute Thermal Maturity of Coal-Sourced Oils and Gas Condensates**

Using PLS Regression: R. Sykes, K. Zink

17:00 **Characterising Coal Gas Eettability to Assess CO2 Enhanced Methane Recovery:** A. Saghafi, K.

Pinetown, H. Javanmard

Theme 2: Carbonate Reservoir Systems of SE Asia (AAPG/SEPM)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Co-Chairs: E. W. Adams and S. Tanprasat

13:55 **Introductory Remarks**

14:00 **Cenozoic Carbonate Reservoir Development in SE Asia:** M. E. Wilson

14:20 **Sequence Stratigraphy of Carbonate Buildups in Siliciclastic-Rich Systems: Features Critical for**

Reservoir, Trap and Seal: A. Saller

14:40 **Onshore to Offshore Trends in Carbonate Reservoir Quality across a Land-Attached Shelf in SE**

Asia: M. E. Wilson, E. Chang, P. Lunt, Y. Yunus, K. Welsh

15:00 **Wings, Mushrooms and Christmas Trees: Insights from Carbonate Seismic Geomorphology into**

the Tectono-Stratigraphic Evolution of Central Luconia; Miocene-Present, Offshore Sarawak, NW

Borneo, Malaysia: E. Kosa

15:20 **Break**

16:00 **East Java Shallow Water Carbonate Growth and Drowning - Correlation to Reservoir Quality:** A. D.

Zeiza, S. Van Simaëys, F. Musgrove, R. Sekti

16:20 **Diagenesis of Cenozoic Isolated Carbonates With Minor Clastic Influx: Kutai Basin, Kalimantan.:** R.

H. Madden

16:40 **Characterisation of a Tertiary Lacustrine Microorganism Limestone Mixed Reservoir, Qaidam**

Basin, China: F. Zh

17:00 **Controls on Seismic-Scale Geometries of Mixed Carbonate-Siliciclastic Reservoirs: Example from**

the Triassic Nanpanjiang Basin, South China: M. Minzoni, P. Enos, D. J. Lehrmann, J. Wei, M. Yu, J. Payne,

B. Kelley, K. Meyer, E. Schaal, X. Li

Theme 5: Unconventional Resources: Spanning the Asia-Pacific Region (AAPG/EMD)

Exhibition Hall 14:00 - 17:00

Co-Chairs: S. Yokoi and J. Jonkers

- **Conventional Traps in Unconventional Reservoir Rocks in Northern Japan:** T. Tsuji, A. Waseda, S. Yokoi
- **Shale Oil Potential in Neogene Siliceous Shales of Japan:** S. Yokoi, A. Waseda, T. Tsuji
- **Diffusivity and Covariance Analytical Approaches to Estimate Inflow Performance Relationship for Coalbed Methane Reservoir:** I. Alhamzany, D. Hutami, I. Permana, S. Wicaksono, H. Alam
- **Relationship between Temperature, Salinity, and Strain Condition in Microbial Enhanced Coal Bed Methane: Case Study with Coal from North Kutei Basin, East Kalimantan, Indonesia:** A. Z. AlAnsori, D. P. Kusuma, G. F. Ismawan
- **Unconventional Reservoir Shale Gas:** S. Sunjay
- **Revision and Correlation of the Chekka Formation: Looking at Various Outcrops to Determine Hydrocarbon Potential:** G. S. Bellos
- **Biogenic Gas Exploration and Development in Bentu PSC, Central Sumatra Basin, Indonesia:** R. W. Yuwono, S. Djaelani, B. Sjafwan, P. S. Kirana, B. S. Fitriani
- **Evaluation and Exploitation of Unconventional Resources in Asia/Pacific - Shale Oil and Gas:** R. M. Burgess
- **Thermogenic Gas Hydrate System and Models of Gas Hydrate Occurrence Patterns:** L. Tan
- **Controls on the Formation of Favorable Reservoirs in Tight Gas Sands: Examples from Two Intracratonic Basins—Sichuan and Ordos Basin, Western China:** L. Yilong, H. Dongbo, W. Guoting, L. Qunming, W. Tiejun, C. Taotao, J. Lidan
- **Development Value of Oil Shales in Middle Jurassic Seven-Segment Yuka Area Qaidam Basin, China:** Z. Fan

Theme 5: Lacustrine Mudrocks: The Next Big Unconventional "Thing"? (AAPG/EMD)

Exhibition Hall 14:00 - 17:00

Chair: P. Basinski

- **Zone of Interest Gas Shale Potential For Deep Gas Exploration with Lacustrine Facies Model and Geochemistry Analysis From Nindy Deep Well#1 And Nindy Deep Well#2 Pematang Group-South Aman Trough-Central Sumatera Basin:** A. A. Iswandhani

Theme 2: Clastic Reservoirs Systems (AAPG/SEPM)

Exhibition Hall 14:00 - 17:00

Chair: J. Lambiase

- **Early Aptian to Late Eocene Paleogeography of the Orange Basin and its Implications for Facies Distribution, Offshore South Africa:** J. Salomo
- **Petroleum Plays Significance of Growth-Faulted Delta Systems : An Analog Flume Experimental Model of The Mio-Pliocene Spartan Field, East Kalimantan, Indonesia:** I. Saputra, I. Fardiansyah, A. Budiman, A. Ramadhan, A. Gunawan

- **Sedimentary Architecture of the Upper Wolfville and lower Blomidon Formations, Minas Sub-basin, Bay of Fundy, Nova Scotia, Canada:** A. E. Jonathan, D. Hodgetts, J. Redfern
- **High Resolution Correlation of Facies between Closely Spaced Wells and its Impact on Water Injection and Oil Production: A Pilot Study for Chemical EOR in Fluvial Reservoirs from the Mangala Field, Barmer Basin, India.:** A. P. Singh, V. R. Sunder, R. J. Raine, A. M. Taylor, T. Gould
- **Balancing Depositional Concepts and Seismic Attributes in Reservoir Models of Fluvial Deposits at Wheatstone, NW-Shelf Australia:** B. Katz, D. M. Sibley, A. J. Vonk
- **The Effects of Diagenetic and Presences of Ductile Components To Sandstone Reservoir Porosity of Batu Ayau Formation, East Part of Kutai Basin, East Kalimantan:** T. P. Astuti, K. Putra, R. Dita, S. Surjono
- **Ecostratigraphy, Climate Stratigraphy and Eustatic Signals of the Ceneozoic Sediments, Niger Delta of Nigeria: A Key for Regional Exploration:** O. C. Adojoh, P. L. Osterloff
- **Facies, Provenance and Reservoir Quality of the Valanginian Age Sandstone of the Bredasdorp Basin, South Africa.:** O. A. Fadipe, P. F. Carey, J. B. Donker
- **QC and Update of Reservoir Grids with Back Loops on Seismic Data:** F. Pivot, A. Forge
- **Proven and Potential Clastic Reservoir Intervals within the Stratigraphic Framework of the Orange Basin, Offshore South Africa:** A. C. Davids
- **Seismic-Sedimentologic Study of Lacustrine Gravity-flow Channels: Oligocene ES1 Formation, Huanghua Depression, China:** H. Liu, Z. Hong
- **Facies Modeling of Fluvial Depositional Environment: Case Study from Early - Middle Miocene Deposit of Barabai Member, Barito Basin:** A. Pradana
- **Tectono-Stratigraphic Model for Ghazij Formation and its Implication on Hydrocarbon Exploration in Kirthar Foldbelt, Pakistan:** A. Ahmad, M. Ali, A. Hussain, N. Sardar
- **Facies Interpretation from Well Logs: Applied to SMEKS Field, Offshore Western Niger Delta:** O. Odundun, M. Nton

Theme 1: Exploring and Developing Asia-Pacific Petroleum Provinces II (AAPG/AP Region)

Exhibition Hall 14:00 - 17:00

Chair: TBD

- **Neogene Strike-Slip Fault and Hydrocarbon Accumulation in Eastern Offshore Bohai Bay Basin:** K. Qiang, X. Lü, X. Zhou, C. Xu, X. Lan
- **Exploration in Thrust Belt Area, "A Case Study from Jairampur, Arunachal Pradesh, India":** A. N. Borthakur, A. Bordoloi
- **Hydrocarbon Exploration in Sub-Basalt Basins around Peninsular India:** K. S. Misra, A. Misra
- **Development of Marginal Bentu Gas Field in Central Sumatra Basin, Indonesia:** R. W. Yuwono, A. Kurniawan, T. Prabowo, S. Djaelani, Y. Gautama
- **Geology and Tectonic Evolution of Bird Head Region Papua, Indonesia: Implication for Hydrocarbon Exploration in the Eastern Indonesia:** B. Sapiie, N. Naryanto, A. Adyagharini, A. Pamumpuni
- **Hydrocarbon Potential of Neocene Deep-Water Lowstand Sandstone Facies of the Rakhine Basin:** H. Sun
- **Complexity and Changing Pattern Of Tectonics In Hydrocarbon Bearing Basin Of South East Asia:** M. Rastogi, A. Sharma, M. Kumar
- **Depositional Environment, Thin Bed Potential, Planned Evaluation at Sangu field, Bay of Bengal, Bangladesh:** M. Matesic

- **Stratal Slicing Unravels Complex Depositional Architectures in the Northern Kutei Basin:** R. White, J. Vendrell-Roc, J. Reader
- **Depositional History and Petroleum Potential of Ombilin Basin, West Sumatra - Indonesia, Based on Surface Geological Data:** Y. -. Zaim, L. Habrianta, C. I. Abdullah, A. Aswan, Y. Rizal, N. I. Basuki, F. E. Sitorus
- **Modelling Sealing Potential within the Palaeozoic Sequence in the Fitzroy Trough, Canning Basin, Western Australia:** J. Strand, L. Langhi, C. Griffiths
- **Evolution, Lithofacies Paleogeography of Chinese Marine Craton Basins and Types of Giant Carbonate Fields:** G. Zhang, W. Liu, S. Deng, L. Zhang, Y. Guo, Z. Xie, B. Yu, W. Hu
- **Hydrocarbon Potential of the New Play Concept in the Ulleung Basin, East Sea, Offshore Korea:** K. Lee, S. Kim, J. Lee, B. Song, Y. Kim, B. Woo, B. Choi
- **Depositional Facies of Plover Formation in The Abadi Field, Eastern Indonesia based on Core Sedimentology:** A. Aswan, Y. -. Zaim, K. Kihara, K. Hadianito, G. Pemberton
- **Hydrocarbon Potential of Marwat and Khisor Trans Indus Ranges, Northwest Pakistan:** M. Z. Khan, M. R. Khan, A. Raza

Theme 4: Geochemical Processes

Exhibition Hall 14:00 - 17:00

Chair: **TBD**

- **The Determination of Petroleum Compositional Similarity using Multiway Principal Components Analysis (MPCA) of Comprehensive Two-Dimensional Gas Chromatographic Data:** G. T. Ventura, G. J. Hall, R. K. Nelson, G. S. Frysinger, B. Raghuraman, O. C. Mullins, C. M. Reddy
- **Is There a Better Way to Determine the Viscosity in Waxy Crudes?:** J. T. Ludwig, S. Daungkaew, G. Fujisawa, J. Zuo, F. Houtzager, C. Platt, N. Last
- **Source Rock Evaluation and Oil-Source Correlation, Role and Contribution to Discuss the Reservoir Potential of Zeit Bay Field, Gulf of Suez, Egypt:** K. M. Abd alla, S. M. Sleim, M. R. Hablas, G. Mansour
- **Correlation Between Gamma Ray, Density and Neutron Logs and Whole Rock Elemental Geochemistry Using a Neural Network Model:** C. N. Smith, S. Assous, R. Busch
- **Real-time Wellbore Stability Analysis: An Observation from Cavings at Shale Shakers:** D. Kumar, S. A. Ansari, S. Wang, S. Ahmed, B. Tichelaar
- **Modeling and Validation of Fluid Flow-Geomechanics of Mauddud Reservoir in Sabriya Field:** H. Ibrahim, P. Ashok, K. Rajive, J. Al-Kandari, M. Yaser, A. Mohamad-Hussein, K. Khaqan, D. Press, G. Xi, K. Lee, T. Chee

Wednesday Morning Oral

Theme 2: Charles Hutchison Memorial Session SE Asia Regional Tectonics (AAPG/AP Region)

Room Heliconia Main Ballroom 3401A/B/2/3 - 3501A/B/2/3

Co-Chairs: C. K. Morley and R. Hall

8:55 Introductory Remarks

9:00 **Mesozoic-Cenozoic reconstructions of Western Australia Breakup and SE Asian Growth:** R. Hall

9:20 **Present-Day Stress Field of Southeast Asia:** M. Tingay, C. K. Morley, R. King, D. Coblentz

9:40 **Cenozoic Geodynamic Evolution of the Burma-Andaman Platelet:** C. Rangin

10:00 **Impact of Late Cretaceous-Early Palaeogene Tectonics on Hydrocarbon-Bearing Basins of Mainland Southeast Asia:** C. K. Morley

10:20 Break

11:00 **Polyphased Rifting in the South China Sea Leading to Crustal Hyper-Thinning Crust and Moho Exhumation.:** D. Savva, F. Meresse, M. Pubellier, N. Chamot-Rooke, D. Franke, S. Steuer, B. Mouly, J. Auxietre

11:20 **The Palawan Island: A Door Between the Opening of the South China Sea (SCS) and the Closure of the Proto South China Sea (PSCS):** F. Meresse, D. Savva, M. Pubellier, S. Steuer, D. Franke, F. Cordey, C. Muller, F. Sapin, B. Mouly, J. Auxietre

11:40 **Time Constraints on the Evolution of Southern and Central Palawan Island, Philippines from On- and Offshore Correlation of Miocene Limestone Formations. (Charles Hutchison Memorial):** S. Steuer, D. Franke, F. Meresse, D. Savva, M. Pubellier, B. Mouly, J. Auxietre

12:00 **Deformation of Carbonate Sequences in Offshore Bondoc Peninsula, S. Luzon, Philippines Interpreted from 3-D Seismic Data:** M. Aurelio, K. Taguibao, E. Cutiongco, M. Forbes, J. Foronda

Theme 3: Lessons and Opportunities from Mature Basins and Fields (AAPG/DPA)

Room Heliconia Main Ballroom 3404/5/6 - 3504/5/6

Chair: R. Ripple and **TBD**

8:55 Introductory Remarks

9:00 **Lessons from the History of Jasmine Oilfield, Gulf of Thailand:** D. Carter, F. Houtzager, T. Limniyakul, J. McClure, C. Oglesby, C. Platt, O. Siefert, P. Tabmanee, R. Watcharanatakul

9:20 **Bua Ban North Field: Extending the Miocene Play Into the Western Gulf of Thailand:** R. Ripple, J. Mitchell, D. Cox, J. Moon, R. Roever, N. Htein, S. Rubio, G. Peace, A. Laird, R. The, J. Pringle

9:40 **Marginal Field Development; Real World Examples and Strategies for Success:** C. Y. McCants

10:00 **Assessment of Undiscovered Oil and Gas Resources of Southeast Asia:** C. J. Schenk

10:20 Break

11:00 **A Century of State Oil Production and a Quarter Century Seismic Acquisition Gap Are the Key to Future Exploration Success: A Case Study from The Pannonian Basin in Romania:** P. Fink, S. Kovacs

11:20 **Exploring New Frontiers between Producing Fields: The Salman Discovery:** M. Al-Mazrui, H. Kooper, M. Mughairy, S. Kamis, M. Masri, V. Lee, V. Lin, T. Gieles, M. Newall, I. Suarez, A. Hartman

11:40 **Combined Geochemical Methods in Surface Exploration of the Senillosa Area, Neuquén Basin, Argentina.:** F. Larriestra, C. Larriestra, D. Lanussol, S. Gastaldi

12:00 **Near Field Exploration in the Seria Field, Brunei..... 80 Years On!:** J. Church, P. Bong

Theme 1: Petroleum Geology: Vietnam, East Malaysia, Brunei and Philippines (AAPG/AP Region)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Chair: I. Collins and S. Clark

8:55 Introductory Remarks

9:00 **A Quick-look Reservoir Characterization and Electrofacies Workflow Provides New Insight into the Early Miocene Reservoirs of the Chim Sao Field, Nam Con Basin, Vietnam:** S. Carney, D. Dun, N. Thanh, F. Nieuwland, D. Taylor, S. Bulgauda

9:20 **Sedimentary Facies Distribution and Petroleum System Identification on the Deepwater Phu Khanh Margin, Offshore East Vietnam:** E. Frankowicz, P. Reemst, T. Kocher, G. Henstra, D. Steffen

9:40 **Fractured Basement Reservoir Characterization for Fracture Distribution, Porosity and Permeability Prediction:** M. Lefranc, S. Farag, A. Dubois, L. Souche

10:00 **New Perspective on Evolution of Northern Provinces of Offshore Sarawak Basin, Malaysia:** S. Iyer, O. Keong, F. Nazihah, S. B. Abdullah

10:20 Break

11:00 **Petroleum Potential of Tertiary Coal-Bearing Heterolithic Successions Within the Sarawak Basin, Malaysia: Multiple Role as Source, Carrier, and Reservoir Rocks:** W. H. Abdullah, M. H. Hakimi, M. A.

Hassan, R. L. Kugler, M. K. Shuib, T. F. Ng

11:20 **The Maharaja-Lela Exploration 2010 Campaign, The Key Opener for an Additional Development:** J.

R. Biteau, B. Balusseau, C. Chevalier, E. Liberelle

11:40 **Regional Geology of Tertiary Sedimentary Basins the Western Philippines:** M. Ballesteros

12:00 **Deepwater Sandakan Basin, Philippines: Results of Initial Exploration Drilling and Implications for**

Future Exploration and Development: C. Murray, P. Lunt

Theme 5: Resource Play Characterization: Innovation Meets Pragmatism (AAPG/EMD)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: P. M. Basinski and N. Fishman

8:55 Introductory Remarks

9:00 **Reservoir Geology of Mudrocks: Practical Models that Make a Difference:** R. Miller

9:20 **The Sequence Stratigraphic Significance of Ordovician to Silurian Shale Gas Prospects in the**

Sichuan Basin: A Regional to Global Perspective: S. Gomez, A. M. Lavender, J. Highton

9:40 **The “Hole” Story: Organic and Inorganic Pores in Organic-Rich Shales of the Kimmeridge Clay**

Formation (Upper Jurassic), Offshore United Kingdom: N. Fishman, P. Hackley, H. Lowers, R. Hill, S.

Egenhoff

10:00 **The World's Oldest Petroleum Systems: Insights from an Integrated Petroleum Exploration**

Program in the Beetaloo Basin, Northern Territory Australia: R. Wallis

10:20 **Break**

11:00 **New Opportunities in the Mature and Overmature Upper Proterozoic Petroleum Systems (East**

Siberian Province): N. Lopatin, I. Tikhonov, T. Emets, K. Sitar, V. Kalabin

11:20 **A Pragmatic Guide to the Identification of Net Pay in Shale-Gas Deposits:** P. F. Worthington, A. A.

Majid

11:40 **What Causes Sweet Spots in Shale Gas Reservoirs?:** D. Cooke

12:00 **Focusing Stimulation Efforts on Sweet Spots in Shale Reservoirs for Enhanced Productivity:** S.

Abueita, D. Tonner, C. Barnett, J. Jonkers, K. H. HASHMY

Theme 4: Carbon Capture and Geological Storage (AAPG/DEG)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Co-Chairs: M. Bunch and K. Hill

8:55 Introductory Remarks

9:00 **A Global Review of the Status in Large Scale CCS Demonstration Projects - Storage:** K. Hill

9:20 **Multi-Scale Characterisation of the Paaratte Formation, Otway Basin, for CO₂ Injection and**

Storage: M. Bunch, M. Lawrence, T. Dance, R. Daniel, S. Menacherry, G. Browne, M. Arnot

9:40 **3D Characterisation of Potential CO₂ Reservoir and Seal Rocks:** A. Golab, R. Romeyn, H. Averdunk,

M. Knackstedt, T. Senden

10:00 **Origin, Distribution, and Size of Natural CO₂ Accumulations on Continental Margins:** T. A. Meckel,

L. Meckel

Theme 4: Seismic Applications to New Play Identification(AAPG)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

Chair: TBD

10:55 Introductory Remarks

11:00 **Comparative Anatomy of Continental Margins at the Basin Scale: Variations in Rift Geometry and**

Continental Margin Architecture in Relation to New Play Identification: B. W. Horn, A. Danforth, M. G.

Dinkelman, P. A. Emmet, R. Graham, J. Helwig, N. Kusznir, P. Nuttall, J. Pindell, B. Radovich, R. Whittaker

11:20 **Exploration with a Pedigree - A New, Practical Approach to Play and Prospect Assessment:** G. R.

Koller, T. M. Levy

11:40 **Petroleum Plays and Prospectivity in the Kwanza and Benguela Basins of Offshore Angola:** J. C.

Greenhalgh, R. Borsato, F. Mathew, G. Duncan-Jones, I. Pimenta, J. Marques da Silva, L. Narciso da Silva

12:00 **Seismic Sedimentology for High-Resolution Hydrocarbon Reservoir Prediction: A Case Study in**

Cretaceous Qingshankou Formation, Qijia Area, Songliao Basin, China: H. Zeng, X. Zhu, R. Zhu, Q. Zhang

Wednesday Morning Poster

Theme 2: Source Rocks: Coals and Shales (AAPG/SEPM)

Exhibition Hall 10:00 - 13:00

Chair: J. M. Jacques

- **Cretaceous Source Rocks Enigma: Northern Libya Case Study:** H. S. Hassan, C. G. Kendall
- **Paleolatitude and Hydrogeology Controls on Lacustrine Source Rock Quality: A Comparative Study from Northeastern Asian and South American Basins:** V. Andrus, T. Xu
- **Eocene and Oligocene Source Rock Distribution and Quality in the South China Sea Region: Inferences from Plate Tectonic Modelling and Play Mapping:** J. M. Jacques, V. C. Stone, R. J. Hoult
- **Lacustrine Source Evaluation Updated: Applying South Atlantic Successes to SE Asia:** W. Dickson, C. F. Schiefelbein, J. M. Christ
- **The Source Rocks Evaluation in Beibu Gulf Basin Using Well Logs:** Y. Taotao
- **Perched Water in the Barmer Basin, India - Recognition and Implications:** T. OSullivan, M. De, K. Arora, N. J. Whiteley, J. Guttormsen, J. Dolson
- **Geomechanical Characterisation of Fault and Top Seal - Offshore Northern Perth Basin:** L. Langhi, Y. Zhang, C. Nicholson, N. Rollet, G. Bernardel, R. Kempton, J. Kennard, P. Schaubs, J. Strand
- **Structural Uncertainties Concerning Fault and Caprock Sealing along the Rosedale Fault System, Gippsland Basin:** E. Swierczek, S. P. Holford, G. Backe, A. Mitchell
- **Regional Unconformities and Their Roles in Hydrocarbon Accumulations: An Example from the North Slope Basin, Alaska:** T. Xu, A. Belyayevskaya
- **Fault Seal Prediction and Uncertainty Estimation of a Water Wet Fault:** T. Chun Hock, L. Schulte
- **Discovery of Subtle Traps in Early Cretaceous Formations of Kuwait through an Integrated Study:** S. A. Azim, S. Al-Anezi, M. K. Al-Blayyes, S. Al-Qattan, B. Al-Saad
- **Hydraulic Top Seal Failure - The Determination of Seal Capacities for Undrilled Prospects:** S. O'Connor, R. W. Lahann, R. E. Swarbrick

Theme 5: The Unconventional Prize: Assessment, Strategy and Tactics (AAPG/EMD)

Exhibition Hall 14:00 - 17:00

Co-Chairs: D. Blue and W. Dickson

- **Sedimentology, Diagenesis and Paleontology Review of the Cenozoic Rock Sequence in Lebanon: Reassessing Past and Present Use and Exploration of Bitumen and Asphalts:** G. S. Bellos
- **Data Mining a Consortium's Core Data Base for Geological, Petrophysical and Geochemical Properties and Predictive Models:** C. Purdy, J. Quirein, J. Fei, J. Truax, A. Singh, K. Rangarjan, R. Adari, M. Manning

- **Using Integrated Data Solutions to Optimize Shale Field Development:** D. Blue, R. Dusterhoft, J. Hohman
- **Using Microseismic Monitoring and Crosswell Tomography to Map Hydraulic Fracture Treatments in Tight Gas Formations:** M. Puckett, J. Le Calvez
- **Coring Shale Gas Formations with Wireline Coring Technology in a Complex Geological Structure in the Medium Magdalena Valley: A Case History from Colombia:** C. Vivas, M. Gray, H. Sierra, S. Rodriguez, E. Tovar
- **Stress Versus Structure - The Impact of Faults on Source Mechanism Types using the 1980 El-Asnam Earthquake and Microseismic Monitoring Results:** S. Williams-Stroud, G. Yielding
- **Strategic Baseline Groundwater Sampling for Shale Exploration:** R. Farrand
- **Biogenic Shale Gas Formation in the Lower Jurassic Posidonia Shale (Northern Germany): Modelling Studies and Laboratory Experiments:** H. Schulz, M. Krüger, W. van Berk, E. Arning
- **Integrated Reservoir Analysis Towards a Predictive Workflow Model for the Exploration and Development of Unconventional Shale Reservoirs:** E. Andersen, H. Davey, C. Steinhoff, T. Davis

Theme 4: Integrated Applications and Geoscience Principals I (AAPG)

Exhibition Hall 10:00 - 13:00

Chair: **TBD**

- **Resistivity Contrast: The Key to Successful Proactive Geosteering with Induction Type Azimuthal Deep Resistivity Sensor in High Resistivity Formations Conventionally Logged with Laterolog Reactive Tools - A Case Study from Oso Field, Ecuador:** G. Cosios, F. Sierra, N. Teran, A. Iza, J. Sandoval, C. Bustamante, C. Manrique
- **Integrated 3D Fracture Network Seismic Analysis of Tectonic System for Fluid Transport along Active Fault in Ganga Basin:** M. Kumar, V. Chaudhary, R. Kumar, M. Rastogi, S. Singh
- **The Application Of Poisson Impedance Inversion For Sandstone Reservoir Characterization In The Lower Talang Akar Formation, Case Study Melandong-West Java:** A. Direzza, K. Andika
- **Applied Seismic Reservoir Characterization to Distinguish Coals and Sandstone Reservoir of Southwest Betara Field, South Sumatra Basin, Indonesia:** M. N. Alamsyah, B. W. Handono, T. Fitrianto
- **Spectral Decomposition Response of Reservoir Fluids in Fluvial sands in Gulf of Thailand; Application of Spectral Decomposition as Hydrocarbon Indicator:** M. N. Ahmad, P. Rowell
- **Application of Bandlimited Attributes to Characterization of Fluvial /Deltaic Reservoirs.:** D. Adams, D. Markus
- **Reducing Exploration Well Construction Costs with Top-hole Casing Drilling:** C. S. Holt
- **Seismic Geomorphology of a Tidal Channel System Cutting Through Upper Cretaceous Carbonates, SE Turkey:** H. Sarikaya, A. Akalin, E. Yilmaz
- **Unravelling Mesozoics through Sub-Basalt Imaging: Implications for Hydrocarbon Exploration in Kerala-Konkan Basin, Offshore SW India:** S. Rawat, J. M. Sivester
- **Revisiting Amguri Field in Assam Arakan Basin, India with Updated Insights:** S. K. Majumdar, Z. Rahaman
- **Future Energy Options for Singapore in the Century Ahead.:** P. M. Smith
- **The Case for Geothermal Power in Singapore:** G. J. Oliver, A. C. Palmer, H. Tjiawi
- **Application of Marine Magnetic and Gravity Data in Mapping Basement and Sedimentary Horizons in the Rovuma Basin, Mozambique.:** I. Kivior, S. K. Chandola, P. Lee, S. Zohdi, S. Markham, S. Damte

- **Microwave-Assisted Extraction of Polycyclic Aromatic Hydrocarbons from Petroleum Source Rock Using Nonionic Surfactant:** A. Akinlua
- **3D Pore Pressure Prediction Model in Bentu Block-Central Sumatra Basin:** W. A. Behaki, A. Sukapradja, R. C. Siregar, S. Djaelani, B. Sjaifwan

Theme 4: Integrated Applications and Geoscience Principals II (AAPG)

Exhibition Hall 10:00 - 13:00

Chair: **TBD**

- **Structural Interpretation and Seismic Facies Analysis of the Sandakan Sub-basin, Sulu Sea, Philippines:** K. M. Fualan, A. Mitchell, K. Amos, G. Backe
- **Test or Not to Test: FAQ in the Waxy Oil and Low Quality Formations:** S. Chokthanyawat, S. Daungkaew
- **Relationship Between Reservoir Quality and Hydrocarbon Signatures Measured at the Surface:** P. Harrington, A. Silliman
- **Innovative Approach to Increase Productivity of Gas Condensate Reservoirs:** S. Sengupta
- **Pre-Drill Prediction of Hydrocarbon Charge: Microseepage-Based Prediction of Charge and Post-Survey Drilling Results:** D. Schumacher
- **The Role and Importance of Geomechanics in Drilling and Completions:** R. M. Burgess
- **An Automated Software Workflow to Optimize Completions for Deepwater, Moderate Permeability Oil Reservoirs:** R. Dusterhoft, M. Strobel, M. Szatny
- **Development Risks and Petroleum Fiscal Systems: A Comparative Study of the Gulf of Guinea:** O. A. Omosibi, O. O. Iledare
- **Assessment Measures: Describing Uncertainty Accurately, Clearly and Unambiguously:** M. A. Sykes, K. C. Hood, S. I. Setterdahl
- **Application of Quantitative Risk Analysis to Breakout and Mud Loss Limits Prediction: Multiwell Analysis from Offshore India:** R. R. Kumar, D. G. Rao
- **Significance of Polygorskit in Drilling and Production of Hydrocarbon in Neogenes of North Kuwait:** P. K. Mishra, J. M. Al Kandiri, P. K. Choudhary, M. Hoppe, D. Meadows
- **End Member Geological Models Key to Full Range of Uncertainty Mapping for Development and Investment Decisions:** S. K. Shrivastava
- **Economic Optimization for Operation Conditions of Single-Well SAGD in Thin Bitumen Reservoirs:** H. X. Nguyen, B. Wisup
- **Maturation Level of Organic Matter and Hydrocarbon Generation by Probable Source Rocks in the South Sumatra Basin: Results of Basin Analysis:** A. MARDIANZA, Y. Galushkin
- **Time-Pressure Correlation to Estimate Dewatering Time for Coalbed Methane Reservoir at Saturated and Undersaturated Condition:** I. Permana, D. Hutami, I. Alhamzany, H. Alam, S. Wicaksono
- **Seismic Technology Evolution to Support Prospect Evaluation, Exploration Well, and Geological Appraisal:** F.J. Billette and Y. Quist

Wednesday Afternoon Oral

Theme 2: Charles Hutchison Memorial Session Tectonics of Borneo (AAPG/AP Region)

Room Heliconia Main Ballroom 3401A/B/2/3 - 3501A/B/2/3

Co-Chairs: R. Hall and C. K. Morley

13:55 **Introductory Remarks**

14:00 **Miocene Geodynamic Evolution of the Central NW Borneo Wedge: Subduction of a Crustal**

Salient.: J. Ringenbach, F. Sapin, M. Pubellier

14:20 **Can Differences in Hinterland Provenance Influence Strike-Parallel Variations in the Structural**

Style in Fold and Thrust Belts? An Example from NW Borneo: A. Cullen, J. De Vera

14:40 **Far-Field Tectonics, Structural Evolution and Depositional System of NW Borneo:** A. Balaguru, T. Lukie

15:00 **A Regional Approach to Understanding Basin Evolution and Play Systematics in Brunei -**

Unearthing New Opportunities in a Mature Basin: N. Hoggmascall, A. Gartrell, J. Torres

15:20 **Break**

16:00 **Contraction and Extension in Northern Borneo: Subduction Rollback-Driven:** R. Hall

16:20 **Nature and Significance of the West Baram Line, NW Borneo:** A. Cullen, A. vanVleet

16:40 **Geological Development of the Straits of Makassar, Indonesia:** P. Baillie, J. Decker

17:00 **Accretion and Dispersion of Southeastern Sundaland: The Growing and Slivering of Continent and Petroleum Implications:** A. H. Satyana

Theme 5: The Unconventional Prize: Assessment, Strategy, and Tactics(AAPG/EMD)

Room Heliconia Main Ballroom 3404/5/6 - 3504/5/6

Co-Chairs: D. Lavoie and T. Koning

13:55 **Introductory Remarks**

14:00 **Shale Gas and Oil in Canada; Current Development and Exploration Targets in the North America**

Context: D. Lavoie

14:20 **Shale Gas Potential of Germany - An Assessment Using Analogue Techniques:** S. Ladage, D. L.

Gautier, U. Berner

14:40 **Shale Gas Potential of Germany - A Geochemical Evaluation:** U. Berner, E. Stiller, R. Dohrmann, D. Marquardt

15:00 **Entry and Exit Strategies in International Shale Opportunities:** W. J. Haskett

15:20 **Break**

16:00 **Case Study Demonstrating the Ability of 3D3C Seismic to Predict Natural Fractures and**

Petrophysical Properties of Shale: R. Harris, J. Tinnin

16:20 **Best Practices for Exploring and Producing Oil & Gas from Fractured & Weathered Basement:**

Examples from Asia: T. Koning

16:40 **Sedimentation, Maturity and Petroleum Potential of the Oligocene Oil Shale Deposits of the**

Assam Basin, North-East India: A Review: P. Jha, R. S. Chaubey

17:00 **Current Scenario and Future Prospects of Shale Gas in India:** T. Jain, A. Sharma, A. Agarwal

Theme 1: Petroleum Geology: India, Sri Lanka and Central Asia (AAPG/AP Region)

Room Heliconia JR Ballroom 3411/2 - 3511/2

Co-Chairs: S. Mathur and H. Lal

13:55 **Introductory Remarks**

14:00 **India's Petroleum Systems: Past Performance and Future Potential:** E. J. Rowley, A. Desai, S.

Tandon

14:20 **Sequence Stratigraphic Framework of Eastern Offshore Petroleum Province of India - Implications**

to Hydrocarbon Exploration: S. Adhikari, S. Mathur, B. Jana, B. N. Naidu, P. Mohapatra

14:40 **The Petroleum Geology of the Ganga Basin, Himalayan Foredeep, Northern India.:** S. Mathur, B. N.

Naidu, S. Adhikari, P. Mohapatra, S. Burley

15:00 **Mapping of Reservoir Facies within Heterogeneously Deposited and Structurally Deformed Strata**

in Tripura Frontal Fold Belt of Assam and Assam Arakan Basin: Application of Sequence Stratigraphy, 3D

Seismic Attributes and Inversion: H. Lal

15:20 **Break**

16:00 **Calibrated Basin Modelling to Understand Hydrocarbon Distribution in Barmer Basin, India:** B. N.

Naidu, V. Kothari, N. J. Whiteley, J. Guttormsen, S. Burley

16:20 **The Geology and Petroleum Systems of the Mannar Basin, Sri Lanka:** P. Mohapatra, M. Srinivas, N.

Kumar, P. Routray, S. Adhikari, C. Daly

16:40 **Prospectivity and Hydrocarbon Potential of the Afghan-Tajik Basin, Central Asia:** M. P. Jameson, R.

Johnson Sabine, L. Ng, D. Jackson, J. A. Protacio

17:00 **Assessment of Sub-Basalt Petroleum System in the Kerala-Konkan Basin, India:** J. Shah, R.

Fainstein, S. Mishra, B. Wygrala

Theme 4: Managing Risk and Uncertainty (AAPG/DPA)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Co-Chairs: M. J. Harvey, S. Begg and M. Schneider

13:55 **Introductory Remarks**

14:00 **A Standard Taxonomy for Risks that Derive from Subsurface Uncertainties:** C. Smalley, K. Chebotar

14:20 **Next-Generation Geological Model Updating and Ranking for Improved Oil Recovery:** M. Maucec

14:40 **Subsurface Parameter Uncertainty: A Structured Approach:** A. J. Everts, L. Alessio, P. Friedinger, F.

Rahmat

15:00 **TBD**

Theme 1: Petroleum Geology: Myanmar (AAPG/AP Region)

Room Cassia Main Ballroom 3201A/B/2/3 - 3301A/B/2/3

Chair: H. Evans

15:55 **Introductory Remarks**

16:00 **Petroleum Systems Analysis and Exploration Direction of Rakhine Basin in Myanmar:** W.

Hongping, F. Lv, G. Fan, M. Chaolin, S. Hui

16:20 **Play Analysis and Exploration Potential of the Rakhine Basin, West Myanmar:** Z. Xu, F. Lv, G. Fan,

S. Hui

16:40 **The Petroleum Geology of the Tanintharyi Basin, Offshore Myanmar: Implications for Reservoir**

Potential in Lacustrine Delta Systems: J. E. Booth, H. Evans

17:00 **Regional Mapping of Basement and Sedimentary Interfaces in the Deep Waters of the Andaman**

Sea Basin using Marine Magnetic and Gravity Data: I. Kiviour, S. K. Chandola, B. Lee, A. M. Nordin, S.

Markham, F. Hagos

Theme 4: Seismic Applications to Field Developments (AAPG)

Room Cassia Main Ballroom 3204/5/6 - 3304/5/6

*Chair: **TBD***

13:55 **Introductory Remarks**

14:00 **A Decade of 4D Seismic Monitoring of Carbonate Gas Reservoirs in Offshore Sarawak, Malaysia:** S.

Yee, P. Hague, B. Chiem

14:20 **It is Never too Late for Seismic, How Geophysics Contributed to Rejuvenating a Mature Field,**

Tunu Shallow Gas Development: P. Spindler, R. Rengifo, N. Lenoir, D. Coulon, S. Ariawan

14:40 **Applying New Seismic Fracture Extraction Workflows to Fields and New Plays - Opportunity for**

Drilling and Production Optimisation: R. H. Oppermann

15:00 **Geological Heterogeneities Characterization through 4D Seismic Interpretation:** E. Brechet, P. Prat,

F. Cailly

15:20 **Break**

16:00 **Application of Attribute Axis Rotation to Maximize Lithology Discrimination: Indonesia Deepwater**

Gendalo Field Example: F. Hariyannugraha, A. E. Romero, A. Royle

16:20 **Imaging from Nearly Horizontal Wells Under Complex Overburden Conditions:** M. Willis, P.

Peterman, D. Pei, R. Zhou, B. Cornish

16:40 **Resolution and Accuracy of Short-Offset Processed 3D Seismic Data for Seabed Mapping in Deep**

Water in Makassar Straits, Indonesia: N. Nenov, F. Paone, A. Marceglia, E. Ferris

17:00 **Quantum Resonance Interferometry for Characterizing Complex Carbonates below Seismic**

Resolution: S. Gulati, J. DeSantis, I. Meades, D. E. Koglin

Government Affairs Committee

Committee Members

Paul Britt, Chairman; Deborah Sacrey, Rick Ericksen, Jim Gibbs, Pat Gratton, Will Green, John Hogg, Don Juckett, Pete MacKenzie, Clint Moore, Don Onesky, Sheldon Murphy, George Klein, Dan Smith, and Lee Gerhard

Report

- 1. EC Charged Governance Board with Search for New GEO-DC Director:** The following was reported this week by Pete MacKenzie as chairman of the Governance Board: *"We have five reasonably strong candidates who have submitted applications. Packets are in the final stages of being prepared by Headquarter Human Resources and will be reviewed and interview candidates selected. Our goal is to have the interview list by the Convention."* That list should be provided at the GAC and Governance Board meeting Monday morning, April 23.

A new Geo-DC Director, and regaining any ground lost due to the hiatus, is the dominant issue for the GAC, once the process reaches the committee.

- 2. Spring Congressional Visit Days (CVD):** The Spring CVD has not been planned due to the continued gap in the Geo-DC Director position. This will be two successive CVDs that have been missed, the fall and now spring CVDs, costing us a great deal of momentum in the gains that had previously been made. A Fall CVD should be a priority for any incoming Director, and may prove challenging to plan effectively, given the timing at this point.
- 3. AAPG Statements:** The following six statements are still in GAC for final revisions: (1) Energy Policy (new), (2) Natural Gas Supply Concerns (new), (3) Outer Continental Shelf Resources, (4) Preservation of Geological and Geophysical Data, (5) Research and Development Needs in the 21st Century, and (6) Tax Reform.

The forward motion on these was stalled for personal reasons, and is now resuming.

The committee has reviewed and commented on two e-mail messages and a follow-up phone call, concerning the Climate Change Statement recently updated last August. They said it contained factual errors and did not represent current thinking regarding the subject, and expressed 'embarrassment' that the AAPG would publish such a statement. They urged either changing or removing the statement from the AAPG website. There was unanimous consensus among the GAC members that replied that the statement should neither be pulled or changed. No action was recommended by the committee.

- 4. AGI Geoscience Policy Committee Meeting: Critical Needs (Statement) Revisions.** There was a meeting April 12 in Alexandria, VA concerning AGI geoscience policy activities and program, AGI Congressional Visits Days, revisions to the AGI Critical Needs Document. The AAPG has two representatives on this committee, one appointed by the EC (Gretchen Gillis, replacing Dan Smith this year) and the GAC Chairman. Because I was unable to attend the meeting, follow up with Gretchen is pending at the time of this report.
- 5. President Obama Nominates Burke for DOI Assistant Secretary** - President Obama has nominated Marcilynn Burke as the Department of the Interior (DOI) Assistant Secretary for Land and Minerals Management.
- 6. U.S. Joins U.N. Program to Reduce Methane and Black Carbon Emissions** - Secretary of State Hillary Clinton announced the U.S. will participate in an international initiative to reduce methane, black carbon, and hydrofluorocarbons (HFC) emissions. The Climate and Clean Air Coalition to Reduce Short-Lived Climate Pollutants will be administered by the United Nations Environment Program (UNEP).

- 7. Oil Spill Response System for Arctic** - On February 7, the Bureau of Safety and Environmental Enforcement (BSEE) and the National Oceanic and Atmospheric Administration (NOAA) announced they will be enhancing the Environmental Response Management Application (ERMA) for the Arctic by the summer of 2012.
- 8. Federal Frack [sic] Rules Moving Forward, Says Salazar**
Interior Secretary Kenneth Salazar reiterated ... that the Obama administration is continuing to develop draft rules for hydraulic fracturing (fracking) [sic] in drilling operations, which he said would not slow the natural gas and oil boom.
- 9. EPA Announces Deadline for Final Oil and Gas Rule extended to April 17, 2012**
April 2, 2012 - EPA and parties have agreed to a two-week extension – until April 17, 2012 - on a consent decree to issue final air rules for the oil and natural gas industry. The agency requested the additional time to fully address the issues raised in the more than 156,000 public comments that were received on the proposed rules. (<http://epa.gov/airquality/oilandgas/actions.html>)
- 10. Obama Administration Announces New Partnership on Unconventional Natural Gas and Oil Research**, April 13, 2012 (EPA, DOE Websites)
WASHINGTON – Today, three federal agencies announced a formal partnership to coordinate and align all research associated with development of our nation’s abundant unconventional natural gas and oil resources. The partnership exemplifies the cross-government coordination required under President Obama’s executive order released earlier today, which created a new Interagency Working Group to Support Safe and Responsible Development of Unconventional Domestic Natural Gas Resources. This new partnership will help coordinate current and future research and scientific studies undertaken by the U.S. Department of Energy, the U.S. Environmental Protection Agency and the U.S. Department of the Interior – better positioning the Obama Administration to ensure that continued expansion of natural gas and oil production happens safely and responsibly as part of an all-of-the-above approach to American energy in which science plays a guiding and critical role.

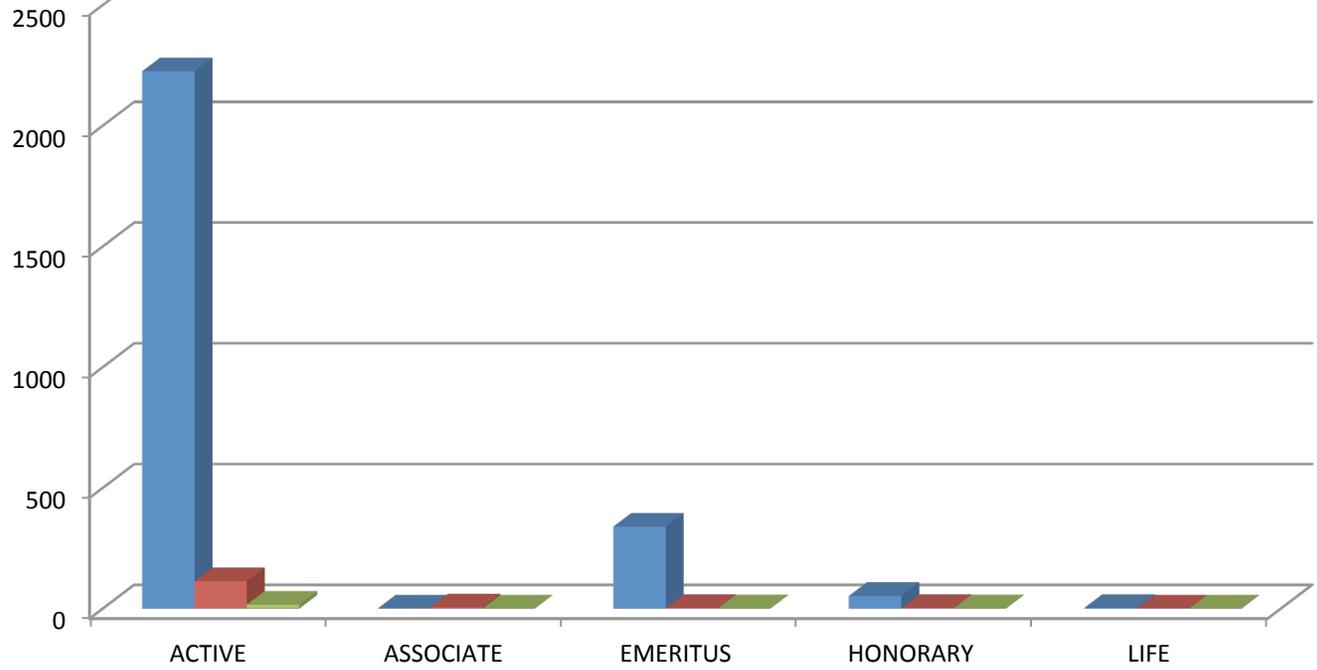
As the United States continues to expand domestic natural gas and oil production, it is critical that the public has full confidence that the right safety and environmental protections are in place – guided by the best available science. Leveraging each agency’s core competencies and strengths will enhance efforts to explore the significant new resource development opportunities made possible in recent years by hydraulic fracturing and other new technologies, and meet high-priority challenges in a coordinated and common-sense way...

To view the memorandum of agreement:

http://www.epa.gov/hydraulicfracture/oil_and_gas_research_mou.pdf)

- 11. Energy Department Announces Selections for U.S.-India Joint Clean Energy Research and Development Center**, April 13, 2012 (DOE Website)
WASHINGTON, DC – The U.S. Department of Energy today announced the selections for three consortia that will make up the \$125 million U.S.-India Joint Clean Energy Research and Development Center (JCERDC). These consortia – led in the U.S. by the National Renewable Energy Laboratory (NREL), the University of Florida, and Lawrence Berkeley National Laboratory – will bring together experts from national laboratories, universities, and industry in both the U.S. and India. Consortia researchers will leverage their expertise and resources in solar technology, advanced biofuels, and building efficiency to unlock the huge potential of clean energy technologies that can reduce energy use, cut dependence on foreign oil, and accelerate the deployment of renewable energy sources.

DPA 2012 ACE MEMBERSHIP REPORT



- Petroleum Geologist
- Petroleum Geophysicist
- Coal Geologist



CPG Division Count Summary

MEMBER TYPE	CATEGORY	DIV PAID	DIV UNPAID	AAPG UNPAID	MARCH 2012		
					AAPG & DPA DUES ARE PAID	DPA DUES ARE NOT PAID	AAPG & DPA DUES ARE NOT PAID
ACTIVE							
	FULL	2237	100	54			
	RHLF	3	0	0			
	RQTR	2	0	0	2242	42	51
EMRITUS							
	HALF	341	13	7	341	13	7
HONORARY							
	COMP	51	0	0	51	0	0
LIFE							
	COMP	3	0	0	3	0	0
Total		2637	114	61	2637	55	58



DPA Division Count Summary

MEMBER TYPE	CATEGORY	DIV PAID	DIV UNPAID	AAPG UNPAID	MARCH 2012		
					AAPG & DPA DUES ARE PAID	DPA DUES ARE NOT PAID	AAPG & DPA DUES ARE NOT PAID
ACTIVE							
	FULL	2336	42	51			
	RHLF	3	0	0			
	RQTR	2	0	0	2341	42	51
ASSOCIATE							
	FULL	5	0	0	5	0	0
EMERITUS							
	HALF	344	13	7	344	13	7
HONORARY							
	COMP	53	0	0	53	0	0
LIFE							
	COMP	3	0	0	3	0	0
Total		2746	55	58	2746	55	58

Division of Professional Affairs
Mid-Year Meeting 2012
Publications

The Q2 2012 *Correlator* was issued on April 4, and the Q2 2012 issue is in an early stage of formulation. The Q2 edition will highlight the 2012 AAPG ACE, and particularly some of the sessions and/or presentations that are relevant to the DPA's mission. The 2012 *Correlator* editions will highlight new DPA officers, and provide a forum for them to tell their stories of why they chose to become Certified Petroleum Geologists. It is hoped that by personalizing the *Correlator* more, and profiling the DPA membership and the benefits of certification, that this will help to further our membership drive. As always, contributions from DPA members are welcome.

STATE REGISTRATION AND LICENSING COMMITTEE REPORT

Rick L. Ericksen, Chair

The following information specifies the status of states with ongoing or the potential for legislative activity related to geologic registration/licensing activity current to April 6, 2012. Included in this report are updates related to the modification of existing legislation regarding geologic licensure, registration and similar issues including budgetary matters. Because of the increasing volume of legislative changes to existing geoscientist/geologist licensure/registration laws and regulations and states contemplating geoscientist licensure/registration legislation please contact me to make me aware of these activities at 601/354-6370 or e-mail to geology@msbrpg.state.ms.us

Currently 30 states and one (1) U.S. territory have true practice regulation laws, two (2) states have title regulation acts, four (4) states have statutory definition, and nine (9) states have some form of certification (these include some states with registration, statutory definition, or title regulation). Note that the state of Virginia has a practice regulation act that is voluntary.

It appears that there are two states that have active and ongoing geologic licensure efforts — New York and Louisiana. Other legislative and licensure board regulatory activity has included Georgia, South Carolina, Virginia, Texas, and others (more on this later in this report).

State Legislatures - Selected State and Federal Dates of Interest:

Convene Dates for 2012:

January

01/02/2012: Ohio, Federal

01/03/2012: District of Columbia, Kentucky, Mississippi, Pennsylvania, Rhode Island, Vermont

01/04/2012: California, Indiana, Massachusetts, Maine, Missouri, Nebraska, New Hampshire, New York

01/09/2012: Arizona, Georgia, Iowa, Idaho, Kansas, New Jersey, Washington

01/10/2012: Delaware, Florida, South Carolina, South Dakota, Tennessee

01/11/2012: Colorado, Maryland, Michigan, Virginia, West Virginia

01/17/2012: Alaska, New Mexico, Wisconsin

01/18/2012: Hawaii

01/23/2012: Utah

01/24/2012: Minnesota

01/31/2012: Illinois

February

02/01/2012: Oregon

02/06/2012: Oklahoma

02/07/2012: Alabama

02/08/2012: Connecticut

02/13/2012: Arkansas, Wyoming

02/16/2012: North Carolina

March

03/12/2012: Louisiana

Adjournment Dates:

February: New Mexico (02/16)

March: Oregon (03/05), Utah (03/08), Washington (03/08), Wyoming (03/08), Arkansas (03/09)*, Florida (03/09), Indiana (03/09), Virginia (03/10), West Virginia (03/10), Wisconsin (03/15)*, South Dakota (03/19), Georgia (03/29), Idaho (03/29)

April: Maryland (04/09)*, Kentucky (04/12)*, Nebraska (04/12)*, Alaska (04/15)*, Iowa (04/17)*, Maine (04/18)*

May: Mississippi (05/06)

*Projected Adjourn Date

Updates of Significance by State:

New York - The licensure effort in New York has been ongoing now for several years with ongoing legislation being introduced since at least 1998. On 03/13/12 the Assembly's bill A04319A-2011 was amended and referred to its committee on Higher Education, again. The Senate version of the bill, S2406A-2011 was also amended and recommitted to its committee on Higher Education on 03/16/12. As of the date of this report, there have been no further actions on either bill.

As noted in past reports, none of these proposed bills provides for the exemption of petroleum geoscientists and was formally opposed by the DPA in the past. As mentioned in the previous report of this committee, with the advent of the ongoing shale resource plays, the DPA may wish to again consider its formal opposition to this legislation.

We will continue to monitor New York's legislative efforts.

Louisiana - As reported in October, 2011, "...Louisiana's legislative efforts, spearheaded by Michael Simms (Baton Rouge), resulted with the passage of geologic licensure by the state's legislature that was signed by Governor Jindal and made effective January 1, 2011. However, in order to ensure passage, some components of the legislation were removed.

During 2011, new legislative efforts failed to materialize concerning the introduction of amendments to the existing law to implement fees and fines and to implement a new grandfathering time frame..." However, Dr. M.B. Kumar, interim acting chair of the Louisiana board (also a DPA member) has worked to introduce legislation (SB 128) in the current session of the Louisiana Legislature that began in March 12, 2012 to set a new grandfathering deadline to January 1, 2014. It currently appears that funding issues of the board will be addressed in the Louisiana House.

It is of importance for DPA members to know that prior to the end of last year when the existing law required those wishing to be grandfathered, the DPA through this committee, responded and requested that the interim acting chair, Dr. Kumar, accept all the members of the DPA as grandfathers in that state should the time frame of the initial grandfathering not be modified by subsequent legislation.

It would be remiss not to mention the work of DPA member Bill Meaney regarding the exemption of petroleum geologists from this licensure legislation. Through Bill's input and outreach efforts it is expected that needed safeguards will be put into place as the current legislative efforts move forward including the following: Strengthen the petroleum resource geologist exemption by including a statement that the statute would have to be changed by the legislature to alter this exemption and further require by statute that the board would be required to contact the state's geological societies any time there were any changes to the legislation and/or rules and regulations of the board. That should encompass any changes regarding the statute or rules and not just those related to petroleum exploration and development geologists.

The current situation is very fluid and legislative actions have yet to occur. However, it is likely that the setting of the new grandfathering time frame will be enacted and the legislative authority to implement fees will also be incorporated.

We will continue to monitor Louisiana and its progression towards implementing fees, its new grandfathering time frame, and any other modifications of that legislation that may be proposed. Stay tuned, we will continue to monitor the situation as it develops.

Texas - As noted in this committee's last report, the TBPG proposed an Advisory Opinion (AOR #7). Per our last report issued in October, 2011 the committee's report included the following: "...On September 30, 2011 the Texas Board caused to be published changes/additions to its existing rules and regulations. Many of the proposed new rules run counter to what was agreed upon between oil and gas geoscientists and the proponents of the legislation that eventually was signed into law in Texas. After the DPA became aware of these new rules, it sent a notification e-mail to all DPA members to alert them of these matters. In addition to requesting that DPA members respond to the TBPG, the DPA and AAPG Executive Committees developed a response letter to the Texas Board of Professional Geoscientists that expressed concerns about the proposed rules that could be detrimental to those geoscientists and companies involved with projects in Texas and for that matter, elsewhere because the proposed rules did not state otherwise.

These proposed rules fall on the heels of the last issue facing the TBPG related to suspending its operations via Governor Perry's proposed budget earlier this year. That matter ended with the TBPG being funded and viable for another two (2) years after being supported by many professionals and professional societies, including those in the petroleum sector of professional practice..."

Upon considerable input as noted above along with input from other geological organizations and concerned petroleum geologists the TBPG issued Advisory Opinion - AOR # 7. As stated within that Opinion, "...Based on the subsequent overwhelming public

opinion against adoption of the proposal, and legislative intent brought to the attention of the Board, the Board has withdrawn the proposed rulemaking..."

Further, as contained in the summary of that opinion, as quoted here, "...It is the opinion of the Board that those who engage in the work performed in the exploration for and development of oil, gas, or other energy resources, base metals, or precious, or nonprecious minerals, including sand, gravel, or aggregate, are not required to be licensed under the Texas Geoscience Practice Act..." In essence, a complete reversal of what had been proposed.

Another request for an opinion, AOR (AOR #6) to address the issue of requiring those performing activities related to geoscientific work that is conducted through an academic institution or non-profit research institution or for-profit organization automatically qualify as "geoscientific research" for purposes of Texas Occupation Code §1002.254(4) — concerning that matter, the TBPG chose to take no action on this request.

Currently, the TBPG has proposed an amendment, in part, related to allowing those who have grandfathered in other states to license with the TBPG without examination. Comments on this AOR as proposed were to be submitted by April 15, 2012. The text of the proposal follows here (new text underlined):

"...The proposed amendment implements the Texas Occupations Code, §1002.151 and §1002.157, and §1002.257.

§851.29 Licensure by Endorsement, Licensure Under a Reciprocal Agreement, and Reciprocal Licensure by Similar Examination

(a)- © No change.

(d) An applicant for a Professional Geoscientist license who is currently licensed or registered to practice a discipline of geoscience under the law of another state, a territory or possession of the United States, or the District of Columbia who was licensed without examination, i.e. "grandfathered", with regard to a licensing examination or who was licensed based on a licensing examination that is not recognized as substantially similar to the current licensing examination required for licensure under subsection © of this section shall be deemed to have met the examination requirement upon verification of the following:

(1) Verification of a valid licensure in the other state or states. The applicant requesting licensure under this paragraph must be in good standing with the State in which that person holds their current license as a professional geologist or geoscientist;

(2) Verification of at least five (5) years of responsible professional geoscience work experience since the date of their initial licensure;

(3) Verification that licensure was maintained continuously (including sequential licensure, if a license was held in more than one state) during the five (5) years prior to application with the Board; and,

(4) Verification that no complaints are pending against the applicant, that no complaints against the person has been substantiated, and no disciplinary actions(s) have ever been taken against the applicant.

(5) The applicant seeking licensure under this subsection shall be responsible for contacting the State in which s/he is currently licensed and all states in which the person has ever been licensed and cause to have certified copies of the contents of his/her licensure file sent directly to the Board, at the applicant's expense. The Board

will maintain documentation of the individuals that are approved for licensure under this subsection....”

As always, please forward any news concerning the TBPG to this committee.

Other States, Legislative Matters -

During the course of monitoring legislative activity related to professional geologist licensure/registration it was noted that several state legislatures have been appropriating monies from licensure/registration boards, commissions, etc. It appears that these state legislature driven forays have generally been directed towards state agencies that are self funded through licensure/registration fees, i.e. those agencies that generate their own income outside of their state’s general funds. Because many states are suffering financial shortfalls in collected income via sales tax and other taxes they have found it necessary to appropriate additional monies from the subject agencies. It is anticipated that these and similar legislative actions will continue until economic/spending issues are realigned.

Also of interest, it should be noted that there was a report issued under the Director of the South Carolina Department of Labor, Licensing, and Regulation that portrays geologic licensure in a negative light that was followed with a legislative attempt to abolish the Board of Geology in South Carolina. Based on the arguments and logic provided against the continuance of the South Carolina Board of Geologists, it would then also be reasonable, in addition to the abolishment of the Board of Geologists, for South Carolina to also consider the abolishment of its Medical Licensure Board, Nursing Board, Board of Engineers, etc. As the legislative session evolved the pending legislation died in committee.

In the state of Georgia, legislation was introduced via SB 445. Pursuant to the language of that bill, the Secretary of State would designate a person to serve as the director of all state agency professional licensure boards and those boards would then serve only in an advisory capacity. This legislation subsequently died in committee but as with other legislation, it may be resurrected in future legislative sessions.

Another state, Virginia, has had legislation (termed “The Governor's Reorganization of Executive Branch of State Government” - HB 1291) passed by both houses, that merges the Board of Geologists with the Board of Soil Scientists and Wetland Professionals. This legislation also eliminates several other boards.

Lastly, the enabling legislation that created the Kentucky Board of Geologists has been modified pursuant to SB 162 as to the following: 1) removed the definition of “qualified geologist,” an outdated term from the initial formation of the geologist board; 2) amended to include the state geologist to designate a person to represent him or her at meetings of the board; 3) also amended to grant the board specific investigatory powers so that it may enforce the chapter, investigate complaints or suspected violations, and notify law enforcement; hear appeals of board actions in the Circuit Court of the county where the person resides or where the person has his or her principal office; and other less significant modifications.

Continuing Education Requirements - all states and DPA Board Certified

Eight states and the DPA's Board Certified designation now all require continuing education and one state (MS) has a voluntary continuing education program.

The states with continuing education requirements include the following: Alabama, Delaware, Kansas, Minnesota, New Hampshire, Pennsylvania, South Carolina, and Texas.

States with Registration-Licensure

	<u>Year</u>
1) Alabama	1995
2) Arizona	1956
3) Arkansas	1988
4) California	1968
5) Carolina, N.	1983
6) Carolina, S.	1986
7) Delaware	1972
8) Florida	1988
9) Georgia	1975
10) Idaho	1971
11) Illinois	1995
12) Indiana	1998
13) Kansas	1997
14) Kentucky	1992
15) Louisiana (implementation pending)	2010
16) Maine	1973
17) Minnesota	1995
18) Mississippi	1997
19) Missouri	1994
20) Nebraska	1998
21) New Hampshire	2000
22) Oregon	1977
23) Pennsylvania	1993
24) Texas	2001
25) Utah	2002
26) Virginia (<u>Voluntary</u>)	1980
27) Washington	2000
28) Wisconsin	1994
29) Wyoming	1997
30) Puerto Rico (US Territory)	1997
31) Tennessee	2008

States with Statutory Definition

	<u>Year</u>
1) Colorado	1973
2) Michigan	1988
3) Nevada	1997
4) Oklahoma	1993

States with Title Regulation

	<u>Year</u>
1) Alaska	1980
2) Virginia	1981

States with Certification Requirements

1) Alaska
2) Connecticut
3) Iowa
4) Massachusetts
5) Missouri
6) Nevada
7) New Jersey
8) Texas
9) Virginia (voluntary registration)

Note: Please refer to the following URL for a one page summary of requirements/guidelines for each state that has licensure/registration laws in effect:

http://www.asbog.org/matrix/2011_AnMtgBk_reg_matrix.pdf