



Energy Minerals Division
A Division of the American Association of Petroleum Geologists
Bringing Professionals Together for the Benefit of All

EMD LEADERSHIP MEETING, DECEMBER 7, 2016
2:00 PM – EASTERN DAYLIGHT TIME

MEETING MINUTES

Executive Committee, Roll Call (✓ = present)

- Anne Draucker, President
- Douglas Wyatt, President Elect
- Wayne Camp, Vice President
- Becky Kowalski, Secretary / Treasurer (*Steve Schamel reporting*)
- Bob Trevail, Past President (ex-officio)

EMD Councilors, Sections and Regions:

Councilors - Sections:

- Joe Morris, Councilor, Eastern Section
- Peng Li, Councilor, Mid-Continent Section

Regions:

- , Councilor, Canada Region
- , Councilor, Asia/Pacific Region
- Miguel Nicho, Councilor, Latin America Region

Commodity Committees:

- Brian Cardott, Chair, Coalbed Methane Committee
- Art Johnson, Chair, Gas Hydrates Committee
- Dean Rokosh, Chair, Tight Gas Sands Committee
- Ursula Hammes, Chair, Shale Gas & Liquids
- Tim Bata, Chair, Bitumen/Heavy Oil Committee
- Justin Birdwell, Chair, Oil Shale Committee
- Bill Ambrose, Chair, Coal Committee
- Michael Campbell, Chair, Uranium (Nuclear Minerals) Committee
- Paul Morgan, Chair, Geothermal Energy Committee
- Richard Bost, Chair, Renewable Energy

Supporting Committees:

- Jeremy Platt, Chair, Energy Economics & Technology Committee
- Paul Hackley, Chair, Website & Publications Committees
- Jack Pashin, Chair, Honor & Awards Committee (*Brian Cardott reporting*)
- Bob Trevail, Nominations Committee
- Paul Hackley, Chair, Journal Natural Resources Research

AAPG Meeting Vice-Chairs:

- 2017 ACE, Houston, Jeremy Platt

AAPG Staff

☐✓ Diane Keim

Call to Order

- Introduction and Roll Call
- Approval of agenda – Agenda for meeting submitted by Anne Draucker and approved without further discussion / addition.

AGENDA

- **Approval of Minutes** – There were no minutes to approve.
- **President's Report** (Anne Draucker)
Membership Report
 - Current membership still dropping (-300)
 - Good news: Student YP (Bridge) – significant bump up
 - Total number of students down (overall AAPG trend)

Other: Anne brought up the subject of moving to Technical Interests Groups (TIGs) vs. the current AAPG structure of divisions.

 - Not opposed to principle of a different structure, but haven't seen a working model that has the full capability that we have now (convention related activities, can't register new YP members).
 - Would like to know people's ideas / concerns for moving into the future. Don't want to come up with an idea that gets rid of EMD.
- **Treasurer's Report** (Steve Schamel / Becky Kowalski)
 - Steve sent out the *preliminary* Financial Reports for the 2015/2016 Fiscal Year
 - ACE Calgary Luncheon – not as well attended as hoped, and very expensive. Lost \$641 which hasn't been charged to EMD yet. We may or may not see this charge.
 - ACE Calgary Bitumen and Heavy Oil Workshop – attendance was light (especially for being held in Calgary). Most of the cost was subsidized by Nexen and the only charge to EMD was catering. Net revenue was almost \$1100, but we co-sponsored with 2 other organizations.
 - Income for 2015/2016 was historically small. We earned less than \$1300. The main reason was EMD had very few events at ACE and no events that we received credit for at ICE.
 - The biggest expense we had was the salary and benefits related to the retirement of Norma Biggs from AAPG.
 - Operating expenses were way below previous years – we ran a very frugal operation.

- We need to start building activities that will bring income to EMD. We have been successful in the past and it's very essential to us as a division.
- EMD no longer has a treasurer. It was decided at the Mid-Year Meeting that the treasurer position would be rolled into the secretary position. As a division, we don't keep track of money, we report income and operating expenses from AAPG.

[**Comment by Doug Wyatt:** Division of Environmental Geosciences also had to pay the \$43,000 for Norma's retirement. Both divisions were hit with equal amounts. Devastating to both divisions.]

- **Vice President's Report** (Wayne Camp)
 - ACE Houston – we have a co-sponsored forum with DEG “The Next 100 Years”
 - Tuesday afternoon – 6 speakers, open to the public
 - The idea is to get experts talk about how the industry will move forward while reducing our carbon footprint
 - We have agreed to a joint luncheon with Environmental. Because it's a joint luncheon, we won't have enough time to have an awards ceremony for EMD. We'll need to set up a different time / venue to host this.
 - There was a lot of discussion about this. One idea was to have an evening reception after the joint session where Environmental would chip in money for the reception since we allowed them to have their awards at lunch.
 - Another suggestion was to read all the awardees names during the luncheon, but have the recipients receive their awards, shake hands, photo op with the AAPG President at the special reception. This would allow all the recipients to receive recognition.
 - EMD Sponsored Unconventional Session – abstracts have been reviewed and invitations sent out.
 - Trying to keep the website up to date and current. Let Wayne know if you see any errors.

7. **Past-President Report** (Bob Trevail) (*Anne reporting*)

- Bob is hard at work getting new officers for president elect and VP. If anyone has suggestions, please let Bob know.

8. **Future Meetings**

- 2017 ACE Houston
 - Program available on the website. Only 2 hotels available through conference housing.
 - Co-sponsorship of short course – “Geochemical Evaluation of Unconventional Shale Reservoir Systems” by Dan Jarvie and Andrew Pepper.
 - We should request funds. The course is already set-up and all we have to do is request funds. Wayne Camp moves to approve EMD short

course sponsorship. Dean Rokosh – second. None opposed.
Unanimously approved.

- 2018 ACE Salt Lake City
 - Request for field trips and short courses have been sent out. Steve has already proposed a field trip that goes down the energy corridor outside SLC to see multiple different renewable energy sites. EMD should jump on this.

9. EMD Honors and Awards (Jack Pashin) (Brian Cardott reporting)

- Still waiting on presentation winners from ACE Calgary, so we have not been able to recognize the winner at this time.
- Service Awards:
 - Honorary Membership – Fran Hein
 - Distinguished Service Award – Neil Fishman
 - Distinguished Service Award – Andrea Reynolds
 - Past President’s Award – Bob Trevail
 - Certificate of Merit – Charlene Overland

Motion to accept these awards – Anne moves to approve. Wayne seconds.
Unanimously approved.

10. Councilor’s News:

- *Eastern Section* (Joe Morris)
 - Submitted an update at the Eastern Section meeting. The only thing that has changed is the uptick in rig activity primarily in the Marcellus / Utica (+7 rigs from last May). Starting to recover, but slowly.
 - Eastern Section meeting in Lexington was a pretty good meeting considering the state of the industry.
- *Mid-Continent Section* (Peng Li)
 - No report.
- *Asia/Pacific Region* ()
 - No councilors. What happened to the fellow in Adelaide?
- *Canada* ()
 - No councilors. Anne will contact previous holders of these positions.
- *Latin American Region* (Miguel Nicho) (Anne reporting)
 - Miguel has already been very active giving presentations about EMD. He has also agreed to provide his “What is EMD?” slides. Anne will collect and start a slide library.

11. Committee/Commodity News

- Coal (Bill Ambrose)
 - Media report is a truncated version only covering the top 5 coal producing countries in the world. 2017 report for ACE Houston will be more comprehensive.
 - Coal industry worldwide has been depressed but starting to pick up due to dwindling surplus stock.

- China has increased demand for steel and is relying on high quality Australian coal. They are also imposing production caps on coal.
- US coal production still declining (-12%), Wyoming still #1 producer. If natural gas price goes up and we ramp up our export market, coal might become competitive again.
- India adding 24.5 GW of new coal powered electric plants by the end of March. This is roughly equivalent to all the wind energy installed in Texas within the last decade.
- Australia has 2 new mining ventures – Olive Downs Project (mainly coking coal) and Carmichael Thermals Coal project in Queensland.

- Coalbed Methane (Brian Cardott)
 - Able to update most of the report, however the US portion couldn't be updated due to the next EIA report coming out Dec 31st (2015 data). Hopefully have more extensive updates for ACE Houston.

- Energy Economic & Technology (Jeremy Platt)
 - No report.

- Gas Hydrates (Art Johnson)
 - No report.

- Shale Gas & Liquids (Ursula Hammes)
 - No report.

- Tight Gas Sands (Dean Rokosh)
 - Made a lot of new contacts from various countries at ACE Calgary. Hoping to get new countries in on the tight gas report. In progress.

- Geothermal (Paul Morgan)
 - No report.

- Bitumen/Heavy Oil (Tim Bata)
 - No report

- Oil Shale (Justin Birdwell)
 - Report coming within the next week. Waiting to hear from some people that were able to attend the international symposia held this year.
 - No US Oil Shale symposia this year. School of Mines (CSM) lost money on the SLC ACE Meeting last year. Jerry Boak has moved to Oklahoma and no longer has time to hold a meeting.
 - Utah – projects pretty much on hold. Enefit submitted their environmental easement paperwork to the BLM. Red Leaf folks still in holding pattern.

Indicated in 2015 that they would be profitable at \$60/bbl so maybe if things bounce back enough they will move ahead.

- Colorado – Exxon shut down in March. American Shale finished shutting everything down and donated core and lab equipment to USGS Denver.
- National Oil Shale Association had a meeting recently. Hard core folks trying to keep the idea of producing the Green River Formation alive.
- A lot of research papers being published (Jordan, Estonia, China).
- USGS and Utah Survey are using the vast oil shale database to look at development of shale oil project primarily in the Western Uinta and Uteland Butte.
- RMAG Publication coming out – couple papers that Justin Birdwell and Ron Johnson put together on the Elko Formation (Nevada). Oil shale / shale oil play Noble has been drilling.
- Uranium (Michael Campbell)
 - Yukon Report on U, Th, and rare earth is out for review.
 - U price continues to slide due to excess inventories worldwide. Fuel is abundant, with new plants being built / saved.
 - U mining in the US remains low, just waiting for the price to go up.
 - Canada continues to make world class discoveries of U deposits. 3 of them are so hot and deep that the only way they will be developed is remotely. AI and new technologies will be tested.
 - Th is getting continuous funding worldwide (China, India, Canada). ~40 companies doing advance research on small modular reactors (25-50 MW) to help support the grid.
- EMD/DEG Renewable Energy Committee (Richard Bost)
 - No report.

12. Other business

- Build a library of EMD slides. Anne will start the collection.
- Anne would like to solicit ideas for more localized symposia (outside of ACE) from our Commodity Groups.
 - For oil shale – take over the US Symposia from CSM or have special sessions. Can someone (besides Justin) take the lead on sponsorship? Proposal to be submitted to Anne.
- Michael Campbell (GSA Fellow) – had some discussion with the Energy Minerals group (within GSA) to do a joint session @ GSA. Seems to be a natural extension – GSA mostly academics, EMD mostly industry. Michael to set up a meeting with Anne and Energy Minerals (GSA) group to brainstorm.
 - Brian cautions that we need be careful of any program that might have a deficit. Get further clarification from AAPG about EMD's involvement in these sorts of sessions.
- We need to set up a process to propose, vet, and run events to ensure profitability. Do we need AAPG's approval?

- Important to build the pipeline of future leaders. Anne challenges us all to find a mentee. Someone that might be interested in EMD leadership and bring them in to something you are working on. Start to vet people earlier and show them the ropes. At the very least, we would be bringing more people into EMD.
 - Have it be more of an honor to be selected to run in an election vs. not just “would you like to do it?”
 - Use the committee vice chairs who might already be knowledgeable of potential leaders. Leverage off the advisors we already have.
- What happened to the natural resources research article that we normally put out every other year?
- There was a nuclear power article in the Explorer and no one asked Michael for feedback.
- Anne is updating email and contact list. Please send all your vice chairs and committee members to Diane and cc: Anne to circulate for revision.
- We want people to contribute. Anne will write stern letters to those not fulfilling their EMD duties.

TIGs Discussion:

- AAPG sees this as a way to share our expertise and influence with other groups and get our message out to a wider audience.
- Cooperative ventures will be a little bit easier. A TIG would enable us to be more agile and get our science / expertise out quicker into the mainstream.
- TIGs bring in new people with fresh ideas and a different way of looking at things.
- PROWESS / YPs membership has increased along with enthusiasm, engagement and involvement.
- Would EMD become the TIG? Or would EMD remain and TIGs be added?
- EMD is pretty diverse right now and we aren’t doing justice to any one subject. Smaller TIGs would allow for more specific focus.
- As a TIG, would we lose the ability to host short courses / field trips?
- The new structure might make EMD more important than ever before!
- TIGs would be open to non-AAPG members.
- If you have any ideas or concerns, please let Anne know.

13. Next Meeting:

- Anne will set up the next meeting after the winter break. She will accelerate it so we won’t have as much to go over. More discussion on smaller symposia and TIGs.
- Any idea what time the EMD Business Meeting will be on April 1st? People are starting to make travel plans. Vern will follow up and Diane will let us know.

14. Adjournment:

- Anne moves to adjourn. Brian seconds. All in favor. Unanimously approved.