



FOUR CORNERS GEOLOGICAL SOCIETY NEWSLETTER

Since 1950

www.fourcornersgeologicalsociety.org

Smoke and steam hang over the
Eyjafjallajokull volcano in Iceland on
Thursday April 15, 2010.

From: msnbc.com staff and news service reports
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59TH ANNUAL CONVENTION

Rocky Mountain Section

of the

American Association of
Petroleum Geologists

JUNE 13-15, 2010

DURANGO, COLORADO

For more information, go to:

www.fourcornersgeologicalsociety.org



May Newsletter

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American Association of Petroleum Geologists

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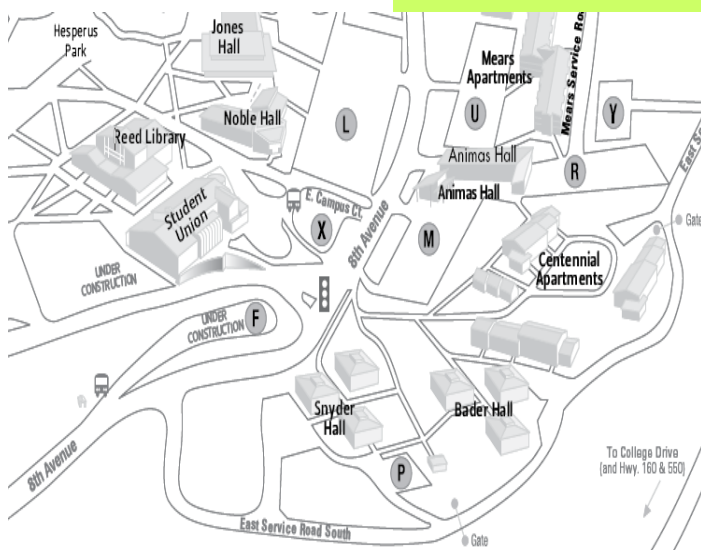
Four Corners Geological Society



DATE: Saturday May 15, 2010 2:00 p— 4:00 p

EVENT: This meeting will be a walk-through of the facilities to make our final plans, decide where to put signs, and to make sure that everything is covered. This is where we find out what we're missing and how our plans DON'T dovetail!

TOPICS: For those who are wish to participate, this meeting will be a walk-through of the facilities to make our final plans, decide where to put signs, and to make sure that everything is covered. This is where we find out what we're missing and how our plans DON'T dovetail!



PLACE: Circle Drive, Fort Lewis College,
Durango, CO

AGENDA:

Meet at Circle Drive at 2:00 p.m.

MEMBERSHIP RENEWAL:

Membership dues are always due now. We continue to sign up new members and renew memberships. We have been receiving many renewals. Dues are \$20.00 per year. To renew your membership there is a membership form our website. If you haven't sent in your renewal, send it today!!

Position	Affiliation	Business Phone	Email	
Secretary	Jeffrey Brame	Brame GeoScience, LLC	970-259-1505	geostar20@aol.com
Treasurer	Tom Staatz	Jet West	505-325-8531	tstaatz@aol.com
Vice President	Jeffrey Cary	Self	970-749-5845	Jcary3@hotmail.com
President	James Hornbeck	Hornbeck Geological Consult	505-320-2167	jhorngeo@yahoo.com
Publications Editor	Tom Ann Casey	D.J. Simmons	505-326-3753, ext. 20	tcasey@djsimmonsinc.com
Newsletter Editor	Paul Montoia	City of Farmington	505-599-1393	pmontoia@fmrn.org
Past President	Chip Head	ConocoPhillips	505-326-9772	Charles.f.head@conocophillips.com

9000-1-6000

Prez Sez,

Hello to all of our FCGS members! Thank you to the members who made time to attend our April meeting at Fort Lewis College. Unfortunately, due to being out of town I couldn't attend but always enjoy the fine talks from the Fort Lewis College geology senior's.

2010-11 Officers:

I would like to congratulate next year's officers:

President - Jeff Cary, Vice President – Zack Swaney, Treasurer – Tom Staatz, Secretary – Jeff Brame, Tom Ann Casey – Publications Editor, and Newsletter Editor – Paul Montoia.

Well deserved thanks is in order for these folks for stepping up and agreeing to commit the time necessary to manage the business which is so important to the overall functioning of our society.

May Meeting:

In an effort to support our up-coming RMS-AAPG meeting in June we've changed the forum of May's meeting to help with the final preparations for this big event here. May's meeting will be a date-yet-to-be-determined Saturday walkthrough of the meeting site with chairmen and organizers on the Fort Lewis College campus. Stay tuned for the meeting date and specifics which will follow shortly. This will be a great meeting!

Rocky Mountain Section AAPG Meeting:

It is shaping up to be a fine meeting thanks to the overall efforts of all those involved including all the committee chair people. There's still need for volunteer help and anyone interested in being part of this great meeting is encouraged to contact either Kim Gerhardt (kim@mydurango.net) or Jim Fassett (jimgeology@qwest.net). Register before May 15, and take advantage of the significant savings for early registration.

Final Words from the Prez:

In my last column as president I thought I'd take time to review some of the efforts and accomplishments we, as a society have undertaken:

First and foremost, a very dedicated (and energetic) group of our members has taken it upon themselves so that FCGS will successfully host the Rocky Mountain Sec AAPG meeting here in the Four Corners. This once every 10 year event takes an inordinate amount of time and effort on all those involved with planning/organizing this. The list of contributor's is long, but suffice to say, all those folks who volunteered to take on a chairperson role have my deepest appreciation and thanks for all their hard work and time spent bringing this together for our society. A special thanks to Kim Gerhardt and Jim Fassett for assuming lead roles in making this meeting happen.

Secondly, the FCGS is well on its way to having a complete digital set of publications which will be available online through both AAPG's Datapages on an individual article or complete set basis and the FCGS as a complete set. This is mostly all through the efforts of Tom Ann Casey and another member. Thank you Tom Ann for your boundless energy and vision when the president was lagging behind.

Finally I want to thank all the officers whose commitment to keeping things going allowed us to continue to offer a quality group of speaker meetings throughout the year to our professional community. Every one of you deserves a hearty thanks from the membership. I have enjoyed getting to know you on a personal basis and look forward to keeping in touch in the coming year. Horseshoes anyone?

Regards,

Jim Hornbeck

jhorngeo@yahoo.com

505-326-2401 (Office), 505-320-2167 (Cell)

RMS-AAPG

Dear Fellow Geoscientists and Affiliated Society Presidents,

Greetings from Durango, CO and Farmington, NM. With this message I send best wishes to you and a personal invitation to join us in Durango, June 13 to 16, 2010, for the Rocky Mountain Section American Association of Petroleum Geologists Annual Meeting (pgs 10 & 11).

I also have a request. We are trying to get the word out to all our fellow geoscientists on the technical program and need your help. Is there any way you could help us by doing the following?

- Put a link on your website (if you have one) to our Four Corners Geological Society website. The address is: www.fourcornersgeologicalsociety.org.
 - Send out an email to your membership with the attached Word doc file. This is our Call for Papers. The deadline will be upon us in only 2 months and we need to get the word out and the abstracts in.
 - Run the attached Call for Papers in your newsletter. I am attaching a pdf file.
-
-



What is happening at this meeting:

Preliminary agenda is:

- Start at "Circle Drive" (between the College Union Building and Noble Hall). This is where registrants will be arriving from shuttle busses and where field trips depart. Discuss sign placement / parking / field trip logistics.
- Walk up to College Union bldg to review:
 - Registration layout / space needs / what furniture do we need / signs / how many volunteers / more?
 - Ballroom -Exhibit Hall layout - snacks & bar locations / Exhibitor booth locations / what does Steve need to set it up and tear it down / volunteers? / signs? / security?
 - Colorado Room - Posters layout - Is there enough room? / what signs are needed? / need volunteers?
 - Downstairs: Cafeteria, Senate Room (luggage storage and RMS Foundation meeting)
 - Downstairs: Vallecito Room for Opening Ceremony & Awards, Speaker's Breakfasts and DPA Luncheon
- Noble Hall:
 - Check out Speaker Ready Room (computer lab - Rm 120), do we need to modify it? How many volunteers do we need to staff it?
 - Quick look at classrooms 130 & 125. Do we need to modify these rooms in any way? Will speakers have access to their talks, laser pointers? Where will the session chairs sit? How will our timing system for talks work?
 - Look at foyer area and think about mornign and afternoon break snack & beverage layout
 - Also think about Short Courses in 125 & 140. Are any modifications necessary for these?
- CSWS -Quick look at classrooms 130 & 125. Do we need to modify these rooms in any way? Will speakers have access to their talks, laser pointers? Where will the session chairs sit? How will our timing system for talks work?
- Student Life Center - This is site of All Convention Luncheon. Kristi and I have already gone through this with Jill Wiegert's staff but maybe the Steering Committee should see it too.

Determine what is missing?

REGISTRATION FORM**2010 AAPG-RMS Durango, Colorado June 13-16, 2010**

PLEASE USE OUR ONLINE REGISTRATION:

http://www.fourcornersgeologicalsociety.org/meeting_2010/registration.asp

Name: _____

Name for Badge: _____

Affiliation: _____

Email: _____

Mailing Address: _____

Phone: _____

REGISTRATION FORM**2010 AAPG-RMS Durango, Colorado June 13-16, 2010**

REGISTER ONLY ONE PROFESSIONAL OR STUDENT PER FORM	By May 15	After May 15	Enter Amount
Professional member of AAPG = Full Meeting	\$225	\$315	
Professional non-member = Full Meeting	\$275	\$385	
Professional Member = 1 Day: Monday (), Tuesday ()	\$120	\$170	
Professional Member = ½ Day: Wednesday ()	\$60	\$85	
Professional non-member = 1 Day: Monday (), Tuesday ()	\$120	\$170	
Professional non-member = ½ Day: Wednesday ()	\$60	\$85	
Student Registration = Full Meeting (under 21? Y/N ___)	\$20/ \$0	\$25/ \$0	
Spouse / Guest Registration (Name: _____)	\$60	\$60	
Field Trips and Short Courses			
Field Trip #1: Pennsylvanian Hermosa Fm.			
Double occupancy in Bluff / per person / limit 28 rooms	\$345	\$370	
Single occupancy in Bluff / per person / limit 7rooms	\$385	\$410	[Sold Out]
Field Trip #2: San Juan Basin Gas Fields & Reservoirs	\$130	\$155	
Field Trip #3: Geologic Overview of Western SJ Mtns.	\$85	\$110	
Field Trip #4: Detection and Mitigation of Methane Seep	\$130	\$155	
Field Trip #5: Eolian Reservoir Analogs	\$235	\$260	
Short Course #1: Geology & Geochemistry of Uranium			
Professional	\$200	\$225	
Student	\$100	\$100	
Short Course #2: Source Rocks 101			
Professional	\$200	\$225	
Student	\$100	\$100	
Short Course #3: Utilizing LWD Technologies			
Professional	\$200	\$225	
Student	\$100	\$100	
Field Trip / Short Course Registration only	\$30	\$30	

Luncheons and Social Events	Each Person	Number of Tickets
Train ride to Silverton:		
Adult	\$116	
Child (4-11, under 4 free)	\$79	
All Convention Luncheon	\$30	
Cluckwagon Bar D Dinner and Western Stage Show:		
Adult	\$30	
Child (8 and under)	\$15	
Activities for Registered Guests		
Guided Tour of Mesa Verde National Park	\$75	
Historic Tour of Durango w/ Camp Town Ladies + lunch	\$40	
MEETING REGISTRATION TOTAL =		
<i>(Activities maybe cancelled if required sign-up quotas are not reached)</i>		

Please check if you are a/an:

- Exhibitor _____ Convention Comm. Chair _____ Judge _____
- Session Chair _____ AAPG Staff _____ Award Recipient _____
- Speaker _____ Field Trip Leader _____
- Poster Presenter _____ Short Course Instructor _____
- Volunteer _____ AAPG Exec. Comm. _____

Lodging

We have set up special rates and blocked availability for your convenience. (Please refer to the Transportation and Lodging Section on the FCGS meeting website for hotel number and rates) For up to date, real-time availability, visit www.GatewayReservations.com/aapg or call us at 800.828.4228! Otherwise, please fill out the information and mail or fax it to us at the contact info below:

Arrival Date: _____ Departure Date: _____

Hotel Preference (Enter hotel numbers from meeting website Lodging Table in order of preference)

1. _____ 2. _____ 3. _____ 4. _____

If hotel choices are not available, which is more important? _____ Rate _____ Location

How many occupants will be in the room? _____

Room Type:

1 King bed _____ Smoking _____ Non-smoking

2 Queen beds _____ Smoking _____ Non-smoking

2 Double beds _____ Smoking _____ Non-smoking

LODGING TOTAL = _____

GRAND TOTAL (Sum of Meeting Registration and Lodging) = _____

Payment

Method of Payment () Check () Visa () MasterCard () Discover

*Name on Card (Print) _____ *Number: _____ *Exp. Date _____

*Signature _____

*Billing Address: _____

*City: _____ *State: _____ * Zip: _____

*Fields with an asterisk are required for Credit Card payments.

~ Please note that upon receiving your reservation form, we will charge the credit card listed above and send you an email confirmation of your reservations to the email address listed above. You will be charged in full for all activities, registration and field trips/short courses at the time of booking. For lodging, your card will be charged your first nights lodging at the time of booking and the remainder of the balance will be charged 30 days prior to arrival. The cancellation policies vary depending on which options you choose and will be disclosed on your confirmation. Please look through your confirmation and ensure that everything is set up correctly upon receipt and notify us if there is anything that needs to be changed at 1-800-828-4228. ~

Please use our online registration: www.fourcornersgeologicalsociety.org/meeting_2010/registration.asp .
Otherwise, FAX (970-247-5715) or MAIL THIS FORM WITH PAYMENT TO:

“AAPG-FMS 2010, Gateway Reservations”
2615 Main Avenue, Suite A
Durango, Colorado 81301

Questions? Call Kristi Nelson Cohen, Conference Planner at (970) 247-4260

Convention Attendees Release of Liability:

By registering for the American Association of Petroleum Geologists, Rocky Mountain Section meeting, I release and agree to indemnify the Rocky Mountain Section, The American Association of Petroleum Geologists (AAPG), and the Four Corners Geological Society, and the agents, officers, servants, and employees of each, from all liability for any loss, damage, or injury sustained by me while involved in any way with the meeting except that each of the Rocky Mountain Section, AAPG, and the Four Corners Geological Society is not released from such liability to the extent the same is caused by its actual negligence or willful misconduct. I have carefully read and understand this waiver and release.

Signature _____ Print Name _____

FIELD TRIP REGISTRANTS PLEASE FILL IN AND SIGN SEPARATE LIABILITY RELEASE NEXT PAGE

Release and Indemnity Agreement

Rocky Mtn.

I, _____, in consideration of the receipt by me of permission from the American Association of Petroleum Geologists ("AAPG") Rocky Mtn. Section to participate in a Field Trip entitled _____

to be conducted on _____, 2010, and sponsored by the AAPG Rocky Mtn. Section, the receipt of such permission being hereby acknowledged, and being fully aware that the Field Trip may involve hazardous and/or dangerous activities, and/or be in a location in and/or around other hazardous and dangerous conditions, and recognizing and accepting the risks, known and unknown, involved in a Field Trip, hereby release and will indemnify, defend and hold harmless AAPG, the AAPG Rocky Mtn. Section, the agents, officers, servants, and employees of AAPG, the AAPG Rocky Mtn. Section, and the leader or leaders of the Field Trip (collectively referred to as "indemnitees") of and from any and all liabilities, claims, demands, actions, and causes of action whatsoever arising out of or relating to any loss, damage, or injury, including death, as may be sustained by me, and to any loss, damage, or injury to any property of mine, while involved in any way with the Field Trip, including without limitation traveling to and from the site or sites of the Field Trip (whether by air, water, or land transportation) and at and during all stops and layovers during the Field Trip.

This release and indemnity includes without limitation liabilities, claims, demands, actions, and causes of action to or by third parties as well as to or by me. This release and indemnity includes without limitation liabilities, claims, demands, actions, and causes of action arising out of or relating to any loss, damage, or injury caused in any way by the concurrent or contributory negligence of any indemnitee. This release and indemnity includes without limitation liabilities, claims, demands, actions, and causes of action arising out of or relating to any loss, damage, or injury caused in any way by the sole negligence of any indemnitee. Having made all inquiries deemed by me to be appropriate, I hereby voluntarily assume all risks of loss, damage, or injury, including death, as may be sustained by me or any property of mine while involved in any way with the Field Trip.

In the event the release by me of any indemnitee of any liability, claim, demand, action, or cause of action described herein is determined to be invalid or unenforceable, I agree that my total recovery of damages from the indemnitees, or any of them, both actual and punitive, shall be limited to \$100.00 or the cost of admission to the Field Trip, whichever is less.

In the event any provision of this Release and Indemnity Agreement is determined to be invalid or unenforceable, all other provisions hereof shall continue to be enforceable and shall be interpreted as though said invalid provision had never been contained herein.

This release shall be binding upon my distributees, heirs, next of kin, executors, administrators, and personal representatives.

In an effort to balance our accounting records, the following letter has been sent to those who have not paid their 2010 membership dues. The Board wants all those who have received these letters to know how valuable they are to the Society and to urge them to contact Jeff so this can be resolved.



**PO Box 1501
Durango, CO 81302**

May 4, 2010

Dear Four Corners Geological Society Member,

According to our records, your FCGS dues for the calendar year 2010 have not been paid. If there is an error in the records and you have paid, please contact the society or e-mail me, Jeff Brame, FCGS Secretary, at geostar20@aol.com. If you need to discuss your dues issue with me, please call my office at 970-259-1505.

According to the bylaws, dues payment is required by the beginning of the calendar year. If dues are not paid during the first sixty days of the calendar year, all unpaid members are to be suspended from our active membership list until their dues are paid. For 2010, we are extending the grace period for payment until May 31, 2010 in order to strengthen our membership roll. Members who do not pay their 2010 dues by that time will be suspended from active FCGS membership.

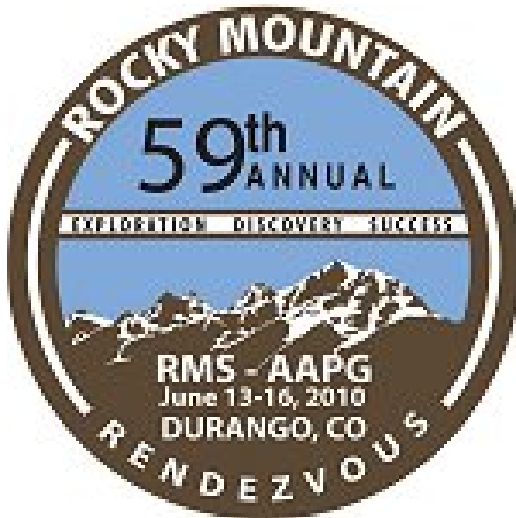
You are a valued member of the Society and we encourage you to bring your dues up to date in order to continue receiving our newsletter, book purchase and information opportunities, invitations to our monthly meetings and our summer picnic.

I have attached a 2010 membership form for your convenience in renewing your membership. Thanks for your attention to this matter.

Sincerely,

Jeff Brame
Brame GeoScience, LLC and FCGS secretary
Durango, CO





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Technical Sessions - Oral and Poster

- Shale Gas and Fractured Shale Plays of the Rockies
- Tight Gas Sands and Fractured Sandstone Reservoirs
- New Insights into the Paradox Basin
- San Juan Basin – Mature Basin?
- New Concepts and New Discoveries in the Rocky Mountain Overthrust Belt
- Uranium Geology in the Rockies
- CO₂ Sequestration - What Have We Learned So Far?
- Geothermal Energy – From Hot Springs to Produced Water
- Advances in Completion Technologies & Microseismic Monitoring
- Geomechanics / Deformation Styles in the Rockies
- Multi-scale Observations and the Application of Remote Sensing and Lidar to Rocky Mountain Petroleum Exploration
- Sedimentology and Stratigraphy of Rocky Mountain Basins
- Structure of Rocky Mountain Basins
- Student Papers

Abstract Deadline:

February 1, 2010

FIELD TRIPS

- Pennsylvanian Hermosa Fm., from Shelf to Basin
- Upper Cretaceous Reservoirs of the San Juan Basin
- From the San Juan Basin to the San Juan Mountains:
 - Pt. I: Paleozoics of the Animas Valley North
 - Pt. II: Cretaceous to Paleogene of Animas Valley South
- Aeolian Reservoir Analogs

SHORT COURSES

- Source Rocks 101
- Geology and Geochemistry of Uranium Deposits
- Geological Interpretation of LWD Logs and Images

Hosted by:



**The Four Corners
Geological Society**