



MONTANA GEOLOGICAL SOCIETY

NEWSLETTER

Vol. 61 No. 4



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New Year, New Rocks!
Take a look at some of
our President's
interesting finds.



P5 / CALL FOR PAPERS

If you haven't yet
submitted an abstract,
let Mark Millard
persuade why you
should.



P6 / 3-D SEISMIC SYMPOSIUM

Review the program
for the upcoming
Symposium, "Recovery
on the Horizon,"
scheduled for
February 22, 2017.



P10 / MEMBERSHIP RENEWAL

It's not too late! If you
haven't renewed your
membership yet, please
use the Renewal form or
visit mtgeo.org to pay
your 2017 dues.

Dates to Remember:

February 1 - Deadline for AAPG 2018 Award Nominations

See Page 9 for more details.

February 28 - Deadline for RMS-AAPG Abstract Submissions

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*Add our email address to your contacts so your Newsletters & Luncheon
announcements don't end up in Spam!*

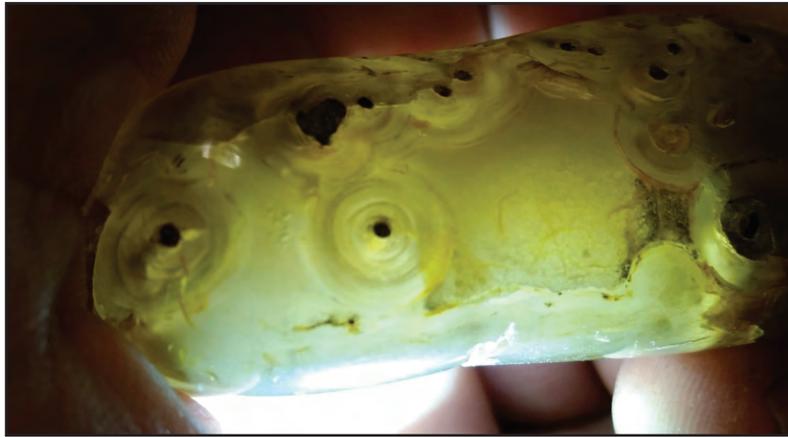
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President's Letter

Dear Membership,

With another year starting, it's often good to look back at the past and reflect on the good experiences, places, and times. I find great pleasure in taking pictures of rocks, unusual formations, and occasionally people with rocks, or on them. My wife doesn't protest the rock pictures as much as she does the specimens I pack home or those that make their way into the wash when I fail to empty my pockets. So I thought I would share a few pictures of faces I photographed in or on geology.

I recently found ET in an agate, only visible after it came out of the tumbler and in the right lighting.



And the lighting played a big part earlier this year, when I found Jesus in the Hell Creek sandstone along the Cedar Creek anticline near Glendive. How long this face has been there, or how long it will stay is most likely up to the forces of creation.



I once took a small side channel on the Smith River, and ended up in a real pickle. The boat was much too large for the flow, and my passenger, a Rocky Mountain College geology student, had bail off to pull us out of a bush growing out of the Madison Formation limestone. That's when we saw the rock face, with a dog-tooth spar grin, laughing at us.



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Other geologic facies seem to crawl out of the Fox Hills formation along the Missouri River with that Monday morning look of “Oh, I guess I forgot we had a meeting this morning.”

Such moments are why I take picture of rocks.

And for pictures of people, it’s always good to make your kids pose with rocks for scale, or to see the changes in relative time.



Hope you get the chance to join us this year for some exciting luncheon meetings, field trips, and social events. If this winter is any indication of things to come, it could be an exciting one.

Kevin Chandler
MGS President

***It’s not too late to
renew your Membership for 2017!***

Use our convenient online renewal system at mtgeo.org,
or print & complete the renewal form at the
back of the Newsletter!

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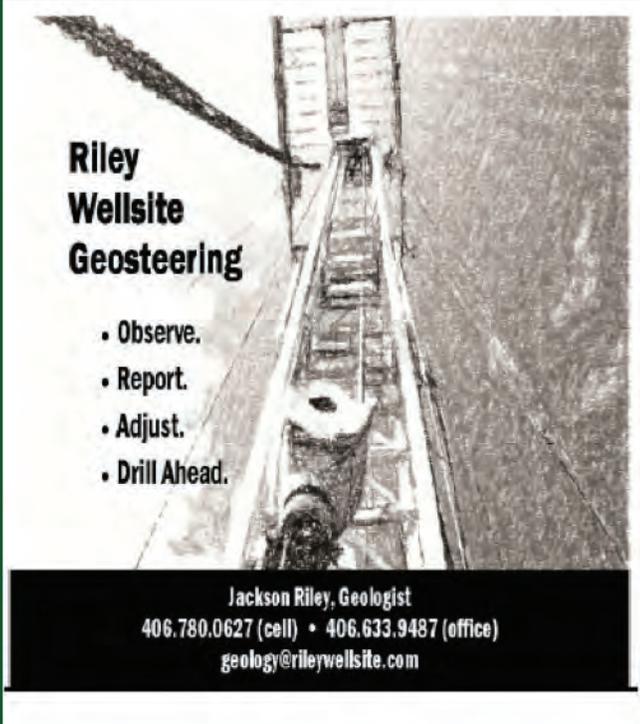
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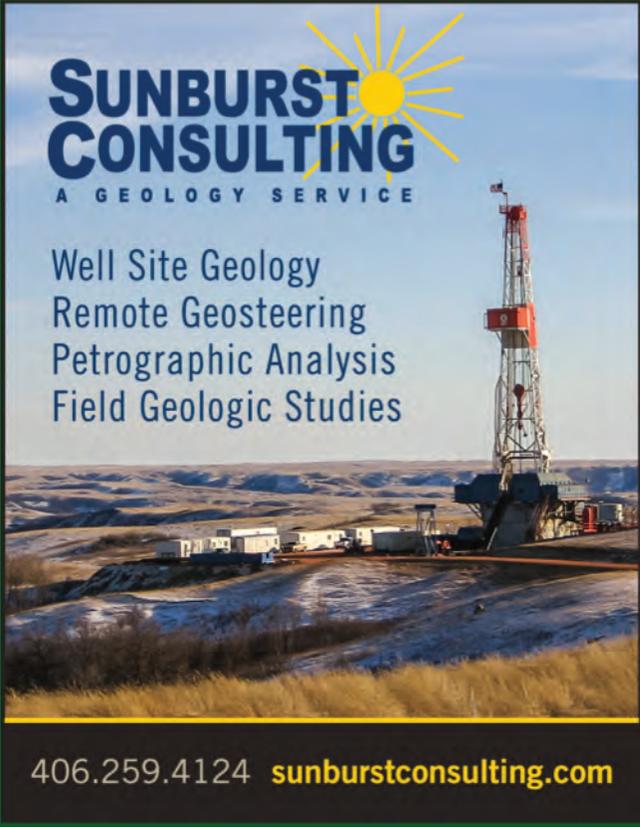
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Call for Papers

All, the abstract submittal deadline for the RMS-AAPG meeting in Billings is just around the corner (February 28th to be exact)! I just wanted to personally invite you to submit a talk for this year's conference. In spite of the downturn, we are hoping for a handful of great talks (yours included!). The abstract submittal page is at: <http://rmsaapg2017.com/>.

If you are already decided that you WILL submit a talk, feel free to stop reading. If you are still uncertain, feel free to read my "pep talk" below:

New talk Ideas are always around us. Do you have a geo case-history that would benefit others? or an innovative workflow? Maybe a (relevant) talk that you put together a few years ago but never had the chance to present? Dust that thing off, spend 30 minutes writing an abstract, and let's get that thing before the AAPG membership! Presenting at conferences is not only a great way to help the geoscience industry progress, it also gives you the opportunity to showcase your talents, and even network with others. To present you don't need something "completely groundbreaking and worthy of publication in the journal Science". I have personally found that sometimes the best talks are simple, only addressing 2-3 main points. Often times, we, as geoscientists have a certain workflow or case study that we use on a daily basis, and therefore begin to find "boring and mundane." You would be surprised by how many other Geos in the industry would find that certain workflow or case study extremely useful! Feel free to contact me or Steve if you have any ideas or want to run any ideas by us. Talks and posters are greatly appreciated.

NOW ITS YOUR TURN: In order to make this conference the best possible, I ask you to spread the word to your colleagues and contacts. Invite, no better yet "encourage" them to also submit abstracts!

Lets make this conference "Rock!" (apologies for the horrible pun).

Mark Millard
Co-Technical Session Chair



RMS-AAPG
2017 JUNE 25-28
BILLINGS MONTANA

CALL FOR PAPERS

- Rocky Mountain Resource Plays
- Source Rock Studies
- Rocky Mountain Carbonates
- Cretaceous Foreland Sedimentology and Stratigraphy
- Rocky Mountain Exploration
- Rocky Mountain Tectonics and Stress Regimes
- Reservoir Characterization: Outcrop to Nanoscale
- Rocky Mountain EOR Opportunities
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SUBMISSION DEADLINE FEBRUARY 28, 2017
Abstract limit 250 words | <http://rmsaapg2017.com/>



23RD ANNUAL RMAG & DGS

3D SEISMIC SYMPOSIUM recovery on the horizon

PROGRAM

8:00 am	Morning Kickoff Speaker: JOHN LAMBUTH (Cimarex Energy)
8:45 am	John Frederick (Red Leaf Energy)
9:05 am	Dr. Jim Applegate (SeismicUtensils, LLC)
9:30 am	Shane Mogensen (SM Energy)
9:50 am	MORNING BREAK
10:10 am	Stephen Gardner (Lago Petroleum)
10:30 am	Dr. Morgan Brown (NEOS)
10:55 am	Ron Kenny (CGG)
11:15 am	LUNCH BREAK
12:20 pm	DR. MARK ZOBACK (Stanford University) Can we predict and manage the risk of injection-induced seismicity?
1:30 pm	Glenn Winters (Fasken Oil and Ranch)
1:50 pm	Dr. Antoine Guitton (CSM)
2:10 pm	Meagan Stephens (Halliburton)
2:35 pm	Dr. Colin M. Sayers (Schlumberger)
2:55 pm	AFTERNOON BREAK
3:20 pm	Bruce Karr (FairField)
3:40 pm	Anders Elgerd (Nighthawk Production, LLC)
4:05 pm	Nancy House (Integrated Geophysical Interpretation Inc. LLC)

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FEBRUARY 22, 2017

REGISTER
TODAY!

Registration Ends on February 16th
DGS/RMAG Member: \$175
Non-Member: \$225



DESIGNS
BY



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QUESTIONS

Please contact the DGS Office
Phone 303.564.7580
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AAPG Bylaws Modifications

All, this is Mark Millard, your faithful MGS House Of Delegates Representative.

It's time again for the annual AAPG House of Delegates Meeting at the AAPG ACE meeting this April. I will be attending and voting on behalf of the MGS, and am therefore soliciting feedback from you, the members, on some of the issues that will be discussed.

Below is a listing of the proposed bylaw modifications. Please look through the list and let me know if you have any strong opinions regarding any of the specific bylaws. I am trying to get a feel for how YOU, the MGS Members, feel on these various topics.

As a heads up, none of the proposed changes to the bylaws are extremely controversial.

Thanks for your help. Responses can be sent to mmillard@sm-energy.com

Mark Millard

Dear AAPG Members:

The following seven bylaws changes have been proposed from the House of Delegates' Constitution and Bylaws Committee for consideration at the HoD annual meeting in Houston on 2 April, 2017.

Bylaws Proposal 1701: Adding the word "university" to the membership requirements. This proposal was approved for presentation in Houston to address the concern that "college" does not always mean the same level of education across the world.

Bylaw Proposal 1702: Eliminating redundancy regarding language for filling a vacancy in the office of editor.

Bylaw Proposal 1703: Clarification of how the international Regions have their delegate counts tallied. New language would include the phrase: "Each international Region shall be entitled to one delegate, plus one delegate for every additional seventy of its Members or major fraction thereof, provided that no" international region shall have fewer than one delegate for each affiliated society within the region.

Bylaw Proposal 1704: Establishing a new date for determining membership in the Advisory Council, based on Section and Region member numbers. The new date that would be used for determining council membership (based on Region and Section membership totals) would be moved from 1 July to 30 November. This is a compromise proposal that was initiated from numerous sources.

Bylaw Proposal 1705: A change to allow the Advisory Council to elect a chair from among the members of the Advisory Council. Currently, the immediate past AAPG president automatically serves as Advisory Council chair. This change was initially requested by Advisory Council.

Bylaw Proposal 1706: A change that addresses past AAPG presidents involvement in the Advisory Council. Currently, the immediate past AAPG president automatically serves a three-year term on the Advisory Council. New language defining the AC composition would change to include the phrase "The president immediately prior to the immediate past president of AAPG may elect to serve on the Advisory Council for up to two years, but if service is declined or discontinued for any reason, service may not be resumed under this clause." This change, also, was requested by the Advisory Council.

Bylaw Proposal 1707: A change involving the determination of membership for Sections and Regions on the Advisory Council, based on a new membership number. Currently, each Section and Region is allowed one elected councilor for each additional 5,000 members or fraction thereof. The proposal would drop that number to 3,000, "not to exceed three councilors per Section or Region." This is a compromise proposal that was initiated from numerous sources.

Sincerely,
Dan Billman
Chair, House of Delegates' Constitution and Bylaws Committee



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*Second Call for Nominations** *2018 AAPG Honors and Awards*

We know they're out there ... tell us who they are.

2018 Nomination Submission Deadline:
1 February 2017

AAPG is looking toward the future, 2018 to be exact. While we just recently announced the 2017 honorees, we are now calling for nominations for 2018. You only have two weeks left to submit a nomination recognizing those who continue to make AAPG a valuable asset to the industry and to the world of geosciences.

Who are these people?

You tell us.

Help us identify those who are making a difference with their excellence in achievements and contributions to our science, our profession and our Association. Nominate a colleague now for AAPG honors and awards, which will be presented at the Annual Convention and Exhibition in Salt Lake City, May 2018.

Please review the nomination process while you consider which exceptional AAPG member(s) deserves the honor and recognition of one of these awards. But don't forget, some awards are open to the nomination of non-members as well.

Anyone can submit a nomination, so we look forward to reviewing many submissions as we know that the AAPG boasts the best of the best in the industry.

Thank you,

Bob Webster
Chair, 2016-17
Honors and Awards Committee

Clinton Tippet
Vice Chair, 2016-17
Honors and Awards Committee

**adapted from email sent 1/09/2017*

If you'd like to share a geological experience (trip, hike, etc.) or an upcoming event in next month's newsletter, please submit your text & images to jess.renstrom@gmail.com.

MONTANA GEOLOGICAL SOCIETY

P.O. Box 844

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Degree #1 _____

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MONTANA GEOLOGICAL SOCIETY

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2006 AAPG Datapages - MGS Publications DVD		\$180.00	
2006 AAPG Datapages - MGS Publications DVD (MGS Member price)		\$150.00	
2000 50th Anniversary Symposium		\$125.00	
1998 8th Int'l Williston Basin Symposium		\$55.00	
1998 8th Int'l Williston Basin Symposium Core Workshop		\$30.00	
1997 Big Horn Basin Symposium		\$50.00	
1997 MGS-TRGS: The Edge of the Crazyes		\$25.00	
1997 AAPG - Rocky Mtn. Section Meeting / Abstract Volume		\$16.00	
1995 7th International Williston Basin Symposium - Core Workshop		\$30.00	
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