

# NEWSLETTER

Vol 63 No. 9

#### Inside this Issue:



## P2 / PRESIDENT'S

Our President discusses the changing of seasons and, with it, impending projects & deadlines.



#### P5/CORE **WORKSHOP**

Registration for the upcoming 2019 Williston Basin Core Workshop is now open.



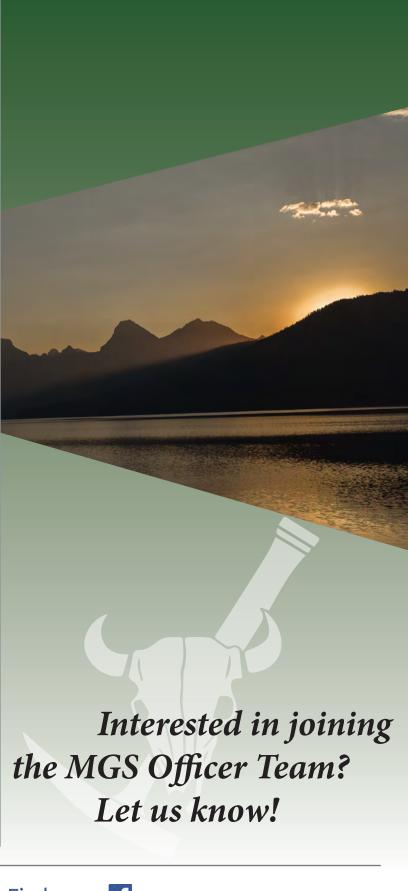
#### P4/RMS-AAPG

Don't miss out! Early bird registration has now been extended to September 4 for the upcoming meeting.



#### P9 / IN THE NEWS

Check out the most recent geologic findings to make headlines across the globe in this issue's episode of "Geology: in the News"



August 2019

Contact Us:

Find us on **f** mtgeo.org / montanageologicalsociety@gmail.com

PO Box 844 Billings, MT 59103

### President's Letter

Dear Membership,

Summer is coming to an end, the days are getting shorter and school activities are picking back up. This means projects are scrambling to finish and planning for the winter has begun. For me, this means major grants are due and classes need to be prepared. There are still things to look forward to before the weather gets too bad. Things I have to look forward to are last minute field trips and just enough sunshine to warm up the days.

The start of fall also means that our luncheon speakers will resume, hopefully that is something you, as members, can look forward to.

MGS President Sarah Friedman

#### 2018-2019 MGS Officers

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siaent/Speaker Coorainator Tom Hewett 406-281-8203

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Spenser Kuhn 406-696-0268

Secretary

Felipe Pimentel 352-514-3607

Past President Felipe Pimentel

# Call for Photos!

Do you have photos of past MGS events, MGS members, or Montana geology?

If so, we'd like to see them!

For a chance to have your photo featured in the MGS Newsletter & MGS Facebook page, please submit your

high-resolution photograph(s) and full name to montanageologicalsociety@gmail.com



# MGS Classifieds

#### Who's Who of the MGS

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Duncan McBane 252-3170

Montana Oil & Gas Fields Update:

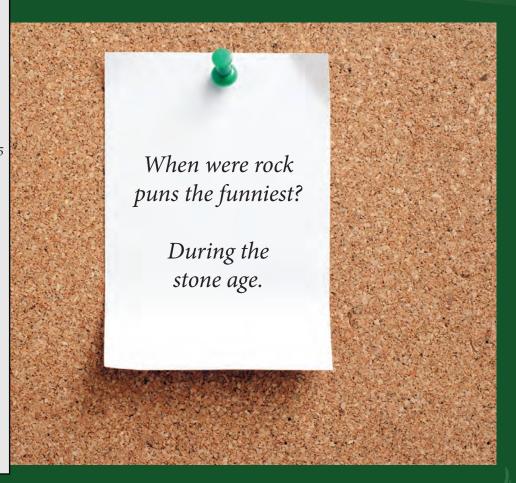
Jim Halvorson 656-0040

PUBLICATION SALES

Doretta Brush 259-8790

NEWSLETTER EDITOR

Jessica Renstrom 208-2504



# Books & Publications Available!

Long-time MGS Member Lawrence Monson has a large geologic library, including many textbooks, bulletins, and publications, available to members free of charge.

If you've been looking for a specific item to add to your collection or wish to inquire about the array of publications available, please contact him at geomon@nemont.net.



# Seeking: AAPG Representative

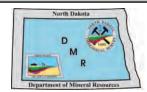


We are in need of a representative to the AAPG House of Delegates for 2019-2022. As the society's sole elected representative, the delegate shall attend the annual meeting at each year's ACE AAPG Conference.

If you're interested in serving as the either the primary or alternative delegate for MGS, please contact montanageologicalsociety@gmail.com

# Registration Now Open!





# 2019 Williston Basin Core Workshop

North Dakota Geological Survey

Wilson M. Laird Core and Sample Library Grand Forks, North Dakota October 7-8 & 9-10



Dear Williston Basin geologists,

The North Dakota Geological Survey (NDGS) would like to invite petroleum geologists and related staff to our 2019 Williston Basin Core Workshop event this coming October. This event will be held in Grand Forks, North Dakota at the Wilson M. Laird Core and Sample Library. Two separate, two-day core workshop sessions (which cover the same material) will be offered on October 7-8 (Monday-Tuesday) and October 9-10 (Wednesday-Thursday). Each session will provide a walk-through of core samples and relevant geologic information covering many of the productive sedimentary units within the Williston Basin of North Dakota, in which 19 different formations have commercially produced hydrocarbons. Geologic maps and cross-sections will be combined with example cores to provide an overview of the stratigraphy and sedimentology of each unit.

While the content for each formation will vary, time will be taken to examine reservoir facies, petroleum source beds, and hydrocarbon seals in both core and wireline log examples. In addition to providing an overview of Williston Basin stratigraphy, this workshop will also: 1) review historical oil and gas plays, 2) discuss active plays across the basin, and 3) foster the development of new play concepts. Included is a tentative agenda for the workshop event with a list of the presenters.

The Wilson Laird Core and Sample Library (core library) was recently renovated and expanded in 2016. Over 455,000 feet (86.5 miles) of core, which has come primarily from oil and gas wells drilled across North Dakota during the past ~100 years, is stored and accessible at this facility. Several labs were added during the renovation/expansion and allow for multiple groups to visit the facility simultaneously. Usage of the labs and core access is free of charge, ideally with a lab reservation booked days to weeks (or months) in advance.

Registration for this event will open within the coming weeks and will be set at \$200/person. Registration proceeds will go towards providing lunch and refreshments for registrants during the workshop and covering travel costs for guest presenters (non-NDGS staff). Registrants will need to make their own travel arrangements (flights and hotels). Registration costs are relatively low because the primary purpose of this event is to gather geologists to examine and discuss core samples relevant to petroleum systems and exploration. Your time, interest, and participation in the event is our focus.

We hope that you will be able to join us this coming fall. Any feedback regarding your interest level and/or thoughts on the workshop content would be greatly appreciated!

Sincerely,

www.dmr.nd.gov/ndgs

Timothy Nesheim
Subsurface Geologist/Head of Subsurface Section
North Dakota Geological Survey
Wilson M. Laird Core and Sample Library
2835 Campus Rd.
Grand Forks, ND 58202-8156
(701) 777-2460
tonesheim@nd.gov

For more information, including workshop schedule & instructor biographies, visit mtgeo.org



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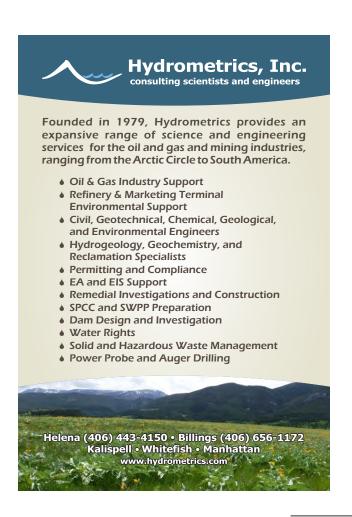


# Interested in placing an ad?

Contact Jessica Renstrom at montanageologicalsociety@gmail.com with your ad, or request pricing to create one for your business or event.

2019 Advertising Rates: Full Page - \$100/month Half Page - \$50/month Quarter Page - \$25/month Business Card- \$10/month

All ads must be prepaid.
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# Geology: In the News

# "Circulation of water in deep Earth's interior"

"First-principles determination of the dissociation phase boundary of phase H MgSiO4H2"

To read the article, please visit: https://www.sciencedaily.com/releases/2019/08/190819110004.htm

# "Crack in Pacific seafloor caused volcanic chain to go dormant"

"Geologists have discovered that 50 million years ago a chain of volcanoes between Northeast Asia and Russia were forced into a period of dormancy that lasted for 10 million years."

To read the rest of the article, please visit: https://www.sciencedaily.com/releases/2019/08/190826121956.htm

# "Detecting hydrothermal vents in volcanic lakes"

"Changes in the behaviour of hydrothermal vents may be indicative of changes in the volcanic system underneath, thus being a useful precursor for the next generation of early warning systems. New exploration approaches will help improving site-specific risk assessment and monitoring concepts by taking a closer look at hydrothermal vents."

To read the article, please visit:

https://www.sciencedaily.com/releases/2019/08/190822141858.htm

#### MONTANA GEOLOGICAL SOCIETY

P.O. Box 844

Billings, MT 59103

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	ease circle) YES NO	
Education (School, 1	Degree, Year)	
Degree #1		
Degree #2		
Degree #3		

## MONTANA GEOLOGICAL SOCIETY

PUBLICATION		PRICE	TOTAL	
2006 Montana Oil & Gas Fields CD		\$65.00		
2006 AAPG Datapages - MGS Publications DVD		\$180.00		
2006 AAPG Datapages - MGS Publications DVD (MGS Member price)		\$150.00		
2000 50th Anniversary Symposium		\$20.00		
1999 Thrust Systems of the Helena Salient		\$20.00		
1998 8th Int'l Williston Basin Symposium		\$20.00		
1998 8th Int'l Williston Basin Symposium Core Workshop		\$20.00		
1997 Big Horn Basin Symposium		\$20.00		
1997 MGS-TRGS: The Edge of the Crazies		\$20.00		
1997 AAPG - Rocky Mtn. Section Meeting / Abstract Volume		\$10.00		
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1993 Energy and Mineral Resources of Montana		\$20.00		
1991 6th International Williston Basin Symposium		\$20.00		
1991 Geology & Horizontal Drilling of the Bakken		\$20.00		
1991 AAPG - RMS Field Trip: Beartooth Mountains		\$7.50		
1991 AAPG - RMS Field Trip: Eagle Sandstone, Billings		\$7.50		
1991 RMS Field Trip #1 Nye-Bowler Linemont		\$7.50		
1991 Sequence Stratigraphy of Eagle Sandstone		\$7.50		
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