

# NEWSLETTER

Vol 64 No. 9

### Inside this Issue:



## P2 / PRESIDENT'S

Our President discusses two major updates impacting the MGS in the upcoming years.



#### P4 / IN THE NEWS

Catch up on all the headlines and newest geologic discoveries around the globe.



#### P5 / LUNCHEON

Register now for the Petroleum Industry Appreciation Luncheon to be held in September.



#### P6 / RYAN ZINKE

Read more on the biography of the upcoming Luncheon Keynote Speaker.



Contact Us:

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

PO Box 844 Billings, MT 59103

## Letter from the Editor

Dear MGS Membership,

As promised in last month's letter, I have an update for you on MGS's future plans. Two main items were discussed at our recent Board Meeting. The major item was revising our plans for the Paradise Valley Field Conference originally in the works for 2021 and the other was a change to our scholarship standards.

In response to the worsening pandemic and the uncertainty everyone faces in planning while the pandemic is still ongoing, the decision was made to push the Field Conference back to 2022. Optimal dates were discussed and at the moment we are thinking of targeting late July to early August 2022. More to come on these dates as we move forward. In the meantime, we will be looking for presenters and field trip guide to help fill out the agenda. If you know of a good trip or are working on a paper related to the geology of the region (in/around/near the Paradise Valley), please get in touch with the Board.

The other item on the docket was the requirements for MGS Scholarships. Originally these were meant to go towards students at Montana schools, but in the past couple of years, we've really seen the applications from local universities dry up. While we aren't sure of the cause of this dearth of applications, we want to encourage Montana-based projects and have those projects presented to the local geological community. To that end we have made the decision to open up the call for scholarship applicants to university students outside of Montana, as long as they are working on a Montana-based project.

Tom Hewett MGS President

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Sarah Friedman

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

## MGS Classifieds

#### Who's Who of the MGS

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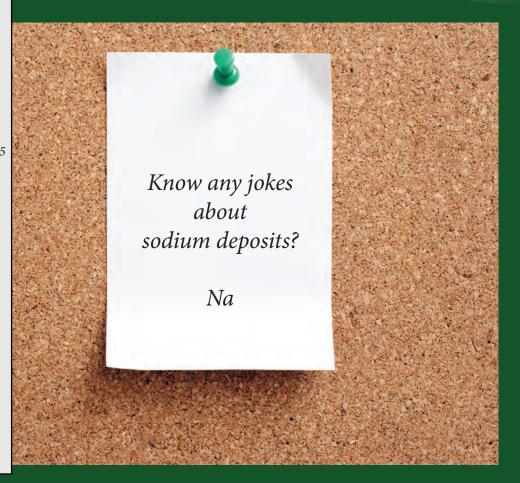
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Place a free ad in our MGS Classifieds!

Contact the Newsletter Editor for more information.

## Geology: In the News

# "New evidence of long-term volcanic, seismic risks in northern Europe"

"An ancient European volcanic region may pose both a greater longterm volcanic risk and seismic risk to northwestern Europe than scienntists had realized, geophysicists report. The densely populated area is centered in the Eifel region of Germany, and covers parts of Belgium, the Netherlands, France and Luxembourg.

To read the article, please visit: https://www.sciencedaily.com/releases/2020/07/200709172834.htm

## "Study could rewrite Earth's history"

"New research has found evidence to suggest that the Earth's first continents were not formed by subduction in a modern-like plate tectonics environment as previously thought, and instead may have been created by an entirely different process."

To read the rest of the article, please visit: https://www.sciencedaily.com/releases/2020/07/200708110010.htm

## "A 'regime shift' is happening in the Arctic Ocean"

"Scientists find the growth of phytoplankton in the Arctic Ocean has increased 57 percent over just two decades, enhancing its ability to soak up carbon dioxide. While once linked to melting sea ice, the increase is now propelled by rising concentrations of tiny algae."

To read the article, please visit:

https://www.sciencedaily.com/releases/2020/07/200709141558.htm

# Petroleum Industry Appreciation Day Luncheon

WEDNESDAY, SEPTEMBER 2, 2020 Keynote Speaker

## MR. RYAN ZINKE

**US Navy SEAL Commander, State Senator,** US Congressman, 52<sup>nd</sup> Secretary of Interior

"America's Energy Revolution"

Place: Doubletree Hotel, 27 N. 27<sup>th</sup> St., 3<sup>rd</sup> Floor

Billings, Montana

Registration opens at 11:30 a.m. Time: Luncheon begins at 12:00 p.m.

#### PETROLEUM INDUSTRY APPRECIATION DAY LUNCHEON HONORES:

- Billings Geophysical Society •
- Western Energy Alliance

  Montana Geological Society

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- Society of Petroleum Engineers
- MT Association of Professional Landmen
- Montana Petroleum Association

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**PO Box 1186** 

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# PETROLEUM INDUSTRY APPRECIATION DAY LUNCHEON KEYNOTE SPEAKER

September 2, 2020



MR. RYAN ZINKE

US Navy SEAL Commander,
State Senator, US Congressman,

52<sup>nd</sup> Secretary of Interior

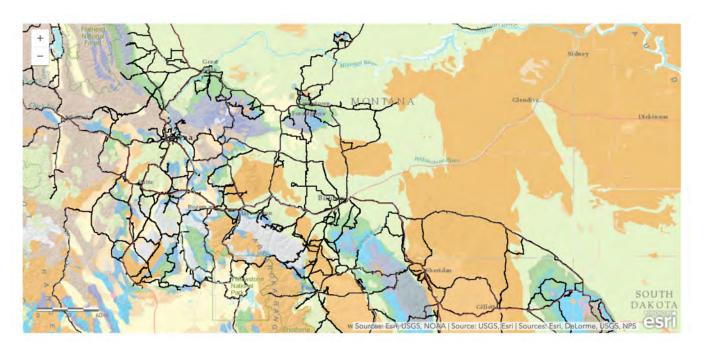
#### "AMERICA'S ENERGY REVOLUTION"

Ryan was born and raised in Montana and attended the University of Oregon where he was awarded All-PAC 10 honors, the Sahlstrom Award and the prestigious Emerald Cup Award for academic, leadership and athletic achievement. He then attended US Navy Officers Candidate School and completed Navy SEAL Training in 1985 and was assigned to SEAL Team ONE. Highlights of Commander Zinke's twenty-three year career in Special Operations includes two tours of duty at SEAL Team SIX, Acting Commander of Special Forces in Iraq, Task Force Commander in Bosnia and Kosovo, and served as the "Dean" of Special Warfare training. He was awarded the Bronze Star for combat in Iraq and is credited with conducting 360 combat missions and the capture or kill of 72 terrorists. He retired from active duty in 2008 and was elected as a Montana State Senator and later twice elected as Montana's sole member of the US House of Representatives. He served on the House Armed Services and Natural Resources committees. In 2016, Congressman Zinke was nominated by President Donald J. Trump and later confirmed by the US Senate to serve as the 52nd US Secretary of the Interior. As Secretary, he was a champion of restoring the voice of state and local communities in land and wildlife management decisions, established and protected wildlife corridors, budgeted for the largest investment in our Nation's history for National Parks, increased public access for recreation and traditional use, and was the principle architect of the American Energy "Dominance" policy. After 31 years of public service, President Trump accepted his resignation in 2019. The Honorable Ryan Zinke is the author of American Commander and serves on numerous boards. He holds an MBA in Finance, an MS in Global Leadership, and a BS in Geology. He is married to the former Lolita Hand of Santa Barbara, has three children and two grandchildren.

## Going on the road this summer?

# Don't forget to consult the MGS Interactive Road Log map!

To find a wide variety of road logs covering the entire state of Montana and areas of Wyoming, Idaho, & Canada, visit: http://mtgeo.org/resources/road-logs/

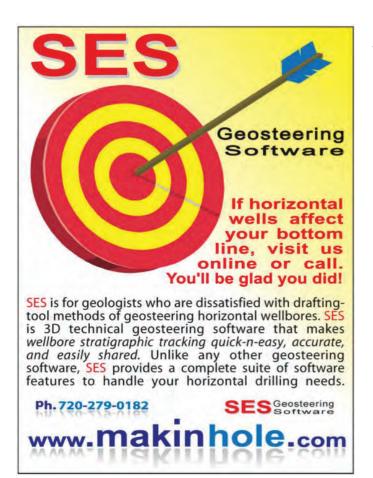


## **ROAD TRIP!**

Using the road logs? Taking photographs? If your summer vacation includes Montana geology, we'd love to see it!

To submit your photos for inclusion in the MGS Newsletter & MGS Facebook page, please submit your high-resolution photograph(s), caption(s) and full name to montanageologicalsociety@gmail.com

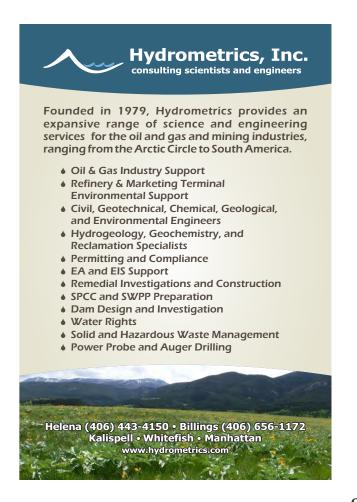
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2006 AAPG Datapages - MGS Publications DVD		\$180.00				
2006 AAPG Datapages - MGS Publications DVD (MGS Member price)		\$150.00				
2000 50th Anniversary Symposium		\$20.00				
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1998 8th Int'l Williston Basin Symposium		\$20.00				
1998 8th Int'l Williston Basin Symposium Core Workshop		\$20.00				
1997 Big Horn Basin Symposium		\$20.00				
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1997 AAPG - Rocky Mtn. Section Meeting / Abstract Volume		\$10.00				
1996 AAPG - Rocky Mtn. Section Meeting / Abstract Volume		\$10.00				
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City	State	Zip			
Phone (w)	Phone (h)	Phone (c)			
E-Mail					
	ease circle) YES NO				
Education (School, 1	Degree, Year)				
Degree #1					
Degree #2					
Degree #3					