



GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Geological Society of Nevada, 2175 Raggio Parkway, Room 107, Reno, NV 89512
(775) 323-3500 - Hours Tuesday -- Friday, 9 a.m. to 4 p.m. Monday by appointment.

Website: www.gsnv.org • E-mail: gsn@gsnv.org



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dpbryan@sbcglobal.net

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Mary.Stollenwerk@alsglobal.com

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Krsherrard@gmail.com

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CALENDAR OF GSN EVENTS

Nov. 7, 2019
THURSDAY

SO. NEVADA CHAPTER MONTHLY MEETING (held 1st Thursdays)

The monthly meeting will be held at the Las Vegas Natural History Museum, 900 N. Las Vegas Blvd. Pizza & beer at 5:30 pm, Talk at 6 pm. **Speaker: Frederik E. Dekker of Red Rio Petroleum Ltd. Title: "Western Sahara: Under-Explored Part of Northwest Africa". Still Need a Sponsor for Beer and Pizza (\$250).** Contact Joshua Bonde for more information. Josh's email is: paleo@lvnhm.org. Details on page 5.

Nov. 14, 2019
THURSDAY

**Joint
Meeting!**

WINNEMUCCA & ELKO JOINT CHAPTER MEETING in Battle Mountain!!

This 8th annual joint Chapter meeting will be held at the **Battle Mountain Civic Center**, 625 S. Broad St., Battle Mountain NV. Drinks at 6:00 pm, Food at 6:30 pm, Talk at 7:15 pm. **Speaker: Robert Hays, Nevada Gold Mines. Title: "Geologic Synergy related to the Formation of Nevada Gold Mines". Food, Drinks and Buses Sponsored by: TO BE DETERMINED.** For more info. please contact Diane Cheung-Harris in Elko at: dianecheung@gmail.com or Robbie Anderson in Winnemucca, Robbie.agau@gmail.com. Details and abstract on page 6.

Nov. 15, 2019
FRIDAY

GSN MEMBERSHIP MEETING (3rd Fridays) will be held at Great Basin's Taps & Tanks, 1155 S. Rock Blvd. Reno, NV. Drinks @ 6:00 pm, DINNER @ 6:30 pm, Talk @ 7:30 pm. **Speaker: Dean Heitt. Title: "Before the Gold: the Early Mining History of the Carlin Trend 1874-1961". Drinks sponsored by HB ENGINEERING.** DINNER AGAIN THIS MONTH! \$30. CLICK HERE TO PRE-PAY: <https://www.gsnv.org/dinner-reservations/>. To RSVP only, email Laura Ruud: gsn@gsnv.org. Details and abstract on pg. 3.

Dec. 18, 2019
WEDNESDAY

GSN CHRISTMAS MEETING, SILENT AUCTION & RAFFLE!

SAVE THE DATE FOR THE GSN CHRISTMAS MEETING, SILENT AUCTION & RAFFLE!! PLEASE DONATE RAFFLE & AUCTION ITEMS TODAY!



The GSN's annual Christmas meeting and Foundation Fundraiser will be held at the Nugget Casino Resort, Sparks, Nevada. **Speaker: Greg Crouch, Author. Topic: The Bonanza King: John Mackay and the Battle over the Greatest Riches in the American West. ONLINE RESERVATIONS CAN BE MADE AFTER NOV. 15. Drinks sponsored by ENVIROTECH DRILLING!**

G.S.N. NOVEMBER MEETING SPONSOR



FROM THE PRESIDENT
Dennis Bryan, GSN President 2019-2020
NOVEMBER 2019



Winter is just around the corner. Enjoy the dregs of autumn while you still have a chance. I just turned off my sprinklers because it is supposed to get to 19 degrees tonight. Another six months and I'll be able to turn them back on!

So, this month we have taken the hint from the Elko and Las Vegas Chapters and we are bringing in Dean Heitt to talk about his new book on the early history of the Carlin Trend. See the title of the talk and an abstract elsewhere in this newsletter. We have heard good things, so come prepared to learn some economic geology history.

And don't forget about next month's Christmas party at the Nugget. More on that later and in the next newsletter. The GSN Symposium is fast approaching also. Eric Struhsacker and his committees and subcommittees are scrambling to finalize things for this momentous May meeting. You are going to be inundated with Great Basin geology!

Have any of you wondered where the magazine *EARTH* Magazine went? Well, it supposedly was swallowed up by the magazine *Nautilus*. Why they did that is a mystery but likely has to do with revenues, subscriber volume, political correctness, etc. *EARTH* magazine was born in 2008 as a morph of *Geotimes*. Both products of the American Geological Institute (Now called the American Geoscience Institute - AGI). Remember *Geotimes*? Seems like that publication was the required reading for all those interested in geology in the old days. It first published in 1956 and was the monthly news magazine for geoscience professionals and enthusiasts. It covered research findings, industry trends, and developments in politics, education, and technology as they relate to the Earth Sciences. It had short news articles (News Notes), briefs on the interface between politics and the geosciences (Political Scene), and reports of recent natural occurrences of particular interest to geoscientists (GeoPhenomena). It also had classified ads, news about people and announcements from AGI's member societies (Society Page), and photograph submissions (Where on Earth). "Where on Earth" was a favorite of mine and I looked forward to trying to figure out where on Earth that particular scene originated each month. When *Geotimes* became *EARTH* in 2008 it expanded a bit and seemed more inclusive of the environmental aspects of the Earth Sciences. But nonetheless inclusive of many interesting "geological" articles of broad interest. As of April 1, 2019, *EARTH* Magazine suspended publication and has been folded in to *Nautilus* magazine. They automatically extended my subscription to include *Nautilus* magazine. Have any of you tried to read *Nautilus*? Well, I tried to read that esoteric gibberish a couple of times and am convinced it must cater to the emerging cannabis crowd. It's not about geology. They do have a link to what they call their Deep Dive Portal: *EARTH*, but, at least to me, it has neither the feel nor the general interest that the print magazine used to provide. Is it just me or do some of the rest of you feel the same?

Are there any general interest "geological" magazines still around these days? There are a handful that seem to specialize in certain aspects of the science but are mostly highly technical publications that cater to specific groups and they don't seem to include news and general interest articles. You ever tried to sit down in your favorite comfy chair in front of a fireplace on a blustery winter evening to enjoy an entertaining general interest geology article in *Economic Geology*? I doubt it! Am I missing something?

Thanks, and looking forward to seeing you at the November meeting. Think I'll get my *True West* magazine and go sit in the chair and browse through the story on the Glorious and Tragic Last Days of Geronimo, prior to a nap!

Dennis

The G.S.N. wishes to thank
RUEN DRILLING
for sponsoring the GSN's
October 18th meeting in Reno!



GSN MEMBERSHIP MEETING—NOVEMBER 15, 2019

Speaker: Dean Heitt

**Title: “Before the Gold: the Early Mining History of the
Carlin Trend 1874-1961”**

Time: Drinks @ 6:00 pm, DINNER @ 6:30 pm, Talk @ 7:30

Where: TAPS & TANKS, Reno, Nevada

BAR SPONSOR IS HB ENGINEERING!

Dinner Cost is \$30/person. Reservations required. Please click here to Prepay.

<https://www.gsnv.org/dinner-reservations/>.

ABSTRACT:

Before the Gold: the Early Mining History of the Carlin Trend 1874-1961

Dean G. Heitt

Before the Carlin Trend was known as one of the largest gold producing camps in the world, the area was made up of several smaller historic mining districts. The first recorded claim, The Blue Wing, was staked in 1874 approximately 1.5 miles east of the Carlin Mine. The book ***Before the Gold*** details the early prospects, mines and people that were active in the area prior to discovery of the Carlin mine by Newmont Mining in 1962.

The Richmond District, in and around the Cretaceous age Richmond Stock, was the first to be prospected in 1877. Prospects were generally for silver, lead, and minor zinc, but had little reported production. Several shallow shafts were dug but no production is reported. The early 1900s saw renewed interest in the district.

The Schroeder district was established in 1883 also exploiting primarily silver-lead-zinc mantos and a few copper deposits. The district was renamed the Maggie Creek district in 1905 with a focus on the Copper King deposit. The first gold deposit would not be found until the 1930s. The jasperoid containing the gold would become the discovery for the Gold Quarry deposit which would also be the first deposit on the trend to have confirmed microscopic gold. The district produced copper, silver, lead, zinc, barite and minor gold.

In 1907 the discovery of placer gold by Joe Lynn kicked off the largest rush to the area. Placer gold was primarily mined from Lynn and Sheep Creeks with lesser production from Simon and Rodeo Creeks. As miners fanned out through the Lynn District, as it was to be named, they quickly discovered the source of the placers for Lynn and Sheep creek and established the Big Six Mine. The Big Six would become the largest underground mine in the area and would produce gold until at least the early 1940's. Additionally the district would produce silver, lead, zinc, copper, barite and world class turquoise from the Number 8 mine. The Blue Star mine, on the site of the Number 8 mine, would produce 800 ounces of gold in 1959 and 1960 from a Carlin Type deposit by Bob Morris and his partners. It was Morris who enticed Newmont to look over the deposit and eventually led to the discovery of the Carlin Mine in 1962.

The Bootstrap district lies at the north end of the main portion of the Carlin Trend. Originally prospected for antimony in 1914 it was restaked in 1949 as a possible gold mine. Between 1956 and 1959 Bootstrap produced 7,104 ounces of gold from several small open pits. This was the first mine in the area to use cyanide leaching to recover the gold and the first open pit to produce from a Carlin Type deposit on the Carlin Trend. Marion Fischer and his partners helped put the area on the mining map.

Between 1874 and 1961 total production for all the districts was 18,581 ounces of gold, 12,928 ounces of silver, 135,481 pounds of lead 10,145 pounds of zinc and 874,242 pounds of copper. Unknown quantities of barite and antimony were also produced. Turquoise production is estimated at \$1.4M. (See page 5 for Book Information.)

“FACES OF GSN”

Daniel Pasteris, Reno, Nevada

I was born and raised in Northfield, Massachusetts, in a rural area of Western Mass. that borders Vermont, New Hampshire and the Connecticut River. Dairy cows, corn fields, fall foliage, and drumlins were staples of the landscape. I went to Pioneer Valley Regional High School, where I played baseball and volleyball and graduated in a class of 60 people from four towns. My early outdoor experiences, which led to my interest in geology, included hiking to glacially carved vistas, exploring old woods roads and stone remnants of pioneer homesites, learning to rock climb, and a memorable winter camping trip to Tuckerman Ravine in the White

Mountains. I graduated with a Bachelor's Degree in Geology from the University of Massachusetts and did my geology field camp at the Yellowstone Bighorn Research Association (YBRA) field station in Red Lodge, Montana, another memorable experience that I am thankful for.

After college I moved to Seattle, Washington with a friend to explore a new landscape in the Pacific Northwest. While doing some entry-level environmental consulting and staff work at the Pacific Science Center, I was mostly rock climbing, backcountry snowboarding, and mountaineering. In 2006, I moved to Reno on a geochemistry teaching assistant scholarship with the UNR graduate program of hydrologic sciences (GPHS). While working closely with Dr. Gina Tempel at UNR during my Master's degree and Dr. Joe McConnell at the Desert Research Institute (DRI) during my Ph.D., I developed my research and applied science skills, while having the opportunity to travel, work with international research groups, and conduct field work on the Greenland ice sheet. After many long hours of aqueous chemistry in the DRI ice core lab and plenty of research paper writing, I received my Ph.D. in 2013 and decided to move out of academia and into something with more local significance.

I started at McGinley and Associates in 2015, where I was able to apply my geology, geochemistry, and scientific background to the expansive world of mining. I find the size and scope and real-world environmental science applications in mining to be particularly engaging. In February 2018, my wife Jaclyn and I had our son, Lucas, who has been an absolute joy and a whole new adventure. Thank you to Kelsey Sherrard, my former ice core lab mate, and the rest of the crew for considering me for faces of GSN, and I look forward to seeing you all at upcoming gatherings.



**Dan at Marshall Gold Discovery State
Historic Park, Coloma, CA**



**Field Mapping at Sorenson Ranch
outside Dillon, MT**



Pumice Lifting at Panum Crater, Mono Lake, CA

GSN SOUTHERN NEVADA CHAPTER MEETING

THURSDAY, NOVEMBER 7, 2019

Location: Las Vegas Natural History Museum, Africa Hall

900 Las Vegas Blvd. North, Las Vegas, NV

(please park behind the museum)

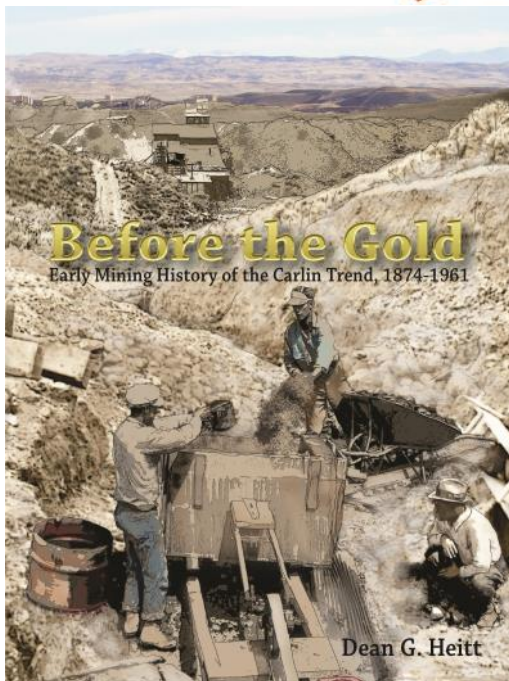
Time: Pizza & Drinks @ 5:30 p.m., Talk begins about 6:15 p.m.

Speaker: FREDERIK E. DEKKER of RED RIO PETROLEUM LTD

Title: "WESTERN SAHARA: UNDER-EXPLORED PART OF NORTHWEST AFRICA"

Food & Drinks Sponsored by: STILL NEEDED! (\$250)

Cost: \$5 donation for non-students, Student GSN members Free!



The topic of this month's GSN meeting in Reno is on the "Early Mining History of the Carlin Trend, 1874-1961". Author and Geologist, Dean Heitt will be giving the presentation. His books will be for sale at the meeting at Taps & Tanks on Nov. 15th.

The cost is \$25.00 for soft back and \$45.00 for hardback. Cash or check only. If anyone wants to prepurchase the website is <https://shop.southernnevadaconservancy.org>.

*Thank you to our generous
Sponsor for the Southern Nevada
OCTOBER MEETING!*



Notice of Public Interest!

H.R. 2579 is a bill to amend the Mining Law of 1872. The bill is introduced to modify the requirements applicable to locatable minerals on public domain lands, consistent with the principles of self-initiation of mining claims, and for other purposes. The bill has passed out of the House Natural Resources Committee (Oct 23, 2019) and sent to the House for consideration.

See the bill text at:

<https://www.congress.gov/116/bills/hr2579/BILLS-116hr2579ih.pdf>

For information about the status:

<https://www.congress.gov/bill/116th-congress/house-bill/2579/actions>

GSN ELKO & WINNEMUCCA CHAPTERS' 10th JOINT MEETING!

THURSDAY, NOVEMBER 14, 2019

Location: The Battle Mountain Civic Center, 625 S. Broad St.

Time: Drinks-6:00 p.m.; Food served at 6:30 p.m.—Talk @ 7:15 p.m.

Speaker: Robert Hays, Nevada Gold Mines

Title: Geologic Synergy related to the Formation of Nevada Gold Mines

BUS INFO: Elko Buses will be at Raleys parking lot at 5:15 pm, leaving at 5:30 pm

For Winnemucca Members, be at the Walmart parking lot at 5:15 pm, leaving at 5:30 pm

Food and Drinks Sponsored by: TO BE DETERMINED

Abstract:

Robert C. Hays, Jr.

Mineral Resource Manager, Nevada Gold Mines

The formation of Nevada Gold Mines (NGM), a joint venture between Barrick Gold Corporation (61.5%) and Newmont Goldcorp Corporation (38.5%), on July 1, 2019 has unlocked significant financial, operational and geological opportunity. The land borders that once limited geologic knowledge sharing and optimal metal extraction from select ore bodies within the Carlin and Getchell Trends are now removed.

The Great Basin of Nevada is one of six gold belts globally with at least 200Moz of gold endowment (*source: SNL, Market Intelligence*) and Nevada is also considered one the most attractive areas for mining companies to conduct business (*source: Fraser Institute Annual Survey of Mining Companies 2018*). NGM has significant growth potential in an unparalleled consolidated land package in one of the most prospective gold districts in the world. NGM will focus growth opportunity at the current Tier I (>5M contained Au oz. reserve; 15% IRR) mines and emerging Tier I projects while replenishing the resource base.

*Thank you to our generous
sponsor for the Elko Chapter's
OCTOBER MEETING!*

*Thank you to our generous
Sponsor for the Winnemucca
OCTOBER MEETING!*



GSN FOUNDATION

News from the GSN Foundation

Cami Prenn, Chair

Last month I wrote about the K-12 Field Trip Grants the Foundation gives out and today (November 1st) is the deadline for those applications. Yesterday I had a conversation with a teacher from Fernley Intermediate School who is a regular in the program. The sixth grade teachers take all their students to the Grimes Point/Hidden Cave Archaeological site. Hidden Cave exposes stratigraphy said to be 21,000 years old. Last year over 300 students took that trip. She told me that she's been doing this for 15 years, each year taking the sixth graders out there, which amounts to roughly 4,000 students getting that exposure to geology. She thanked us graciously and enthusiastically. That's great feedback for us at the Foundation and for you, our generous donors!

Before you know it you'll be carving the Thanksgiving bird and that's the signal for the Christmas season to start! At least in my book. Except that planning the GSN Christmas party starts long before November, as I've been reminding you for a couple of months now. If you haven't marked your calendar for December 18th, please do so now – you don't want to miss this one. Greg Crouch speaking about John Mackay, a festive holiday meal, exciting prizes in the raffle and silent auction, live auction of gorgeous mineral specimens – it all warms a Geologist's heart – right?

Happy Thanksgiving!

Donate auction items today! 

GSN SCHOLARSHIP AWARDED TO UNR STUDENTS

The scholarship that the GSN Foundation provides for UNR students was awarded this academic year to two students who are both studying Geological Engineering. They are Kaleb Salas, a senior, and Carissa Thomas, who is a sophomore. The annual Scholarship luncheon was held last month and Foundation Treasurer, Bob Thomas, was able to attend and meet Kaleb Salas. Although Carissa Thomas was not able to attend, she sent a warm Thank You letter in which she credited a visit to her high school by two UNR professors in Geosciences as the starting point of her focus on Geological Engineering.

The criteria for the GSN scholarship through the UNR Foundation states that students must be pursuing an undergraduate degree in the geological sciences in the Mackay School, must have a minimum cumulative GPA of 3.0 and average GPA of 3.4 in core geological sciences course work, and be full-time students at UNR. Students with financial need are given preference.

Again, thank you to our generous donors for making these scholarships possible!

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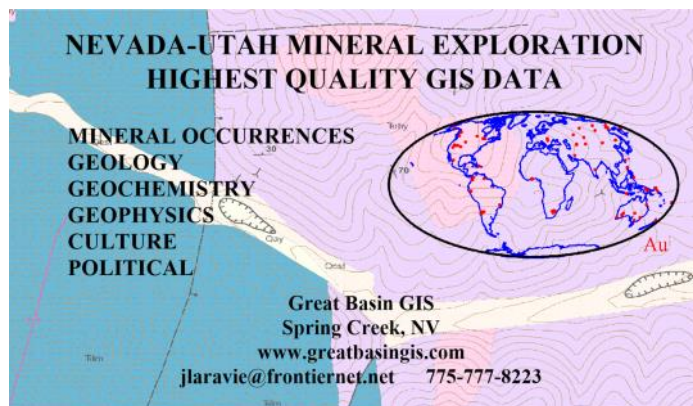
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Foundation Treasurer Bob Thomas poses with one of the GSN Scholarship recipients, Kaleb Salas at the UNR Scholarship Luncheon on Oct. 10, 2019



G.S.N Fall 2019 Field Trip Wrap-Up

by Mary Stollenwerk, GSN VP and Field Trip Leader

The Fall Field trip went off the weekend of October 12th to central Nevada, into the heart of the Loneliest Highway of America. Our group included the usual suspects who know the value of a good GSN field trip, but also a good section of new comers and “younger” geologists on their first trip. We were headed to go see several projects with history from the 80’s and 90’s and to see their resurgence in this metals cycle. What was old is new again! Rolling out on Oct. 11th at 1 PM (nearly) sharp, we said “Let the adventure begin”!

The Owl Club welcomed us with a sponsored bar tab and a great BBQ dinner. Paul Noland of Fiore Gold was to give us a presentation. While I will swear on a stack of geology text books that the equipment worked on a dry run at my office the day before, technical difficulties almost thwarted our evening! A team effort to remedy this situation showed that nothing can stand in the way of GSNers and their talks! The new geo-generation came through – Adam Ekizian of ALS identified the faulty cord and Josh White of Bronco Creek ran off and returned with a new HDMI cord as if by magic. Paul was able to proceed and we were treated to a preview of the next day’s trips to Gold Rock and Pan Mine. A big thank you to Paul and his ability to be heard above the rowdy locals enjoying the Owl’s pool hall!

Our cultural night on the town not yet complete, many of the crew headed up to the Eureka Opera House to enjoy the sound stylings of fellow geologist, Liam Kyle Cahill and get a tour of the historic building.

The next morning, we set off on a blue bird day to the east and down Belmont Mill Road. At Gold Rock, Paul showed us the Easy Junior Pit and their recent drilling area, outlining the upside potential of the district. We proceeded back north and turned off up Seligman Canyon to make our way up to the Mt. Hamilton Seligman Pit, led by Christine Hohl of Elko Mining Group. There, the rock hounds really came out to play, and everyone’s rock collections certainly grew with some great additions of poly-metallic skarn. Even the chemist joined in and broke some rocks!

Thank you to Saturday evening’s presenters, Christine and Brian May, also of Elko Mining Group, who gave us talks on Mt. Hamilton and Ruby Hill. Christine and Jake Hohl even celebrated their first wedding anniversary with us on this trip!

On the last day, we visited the Pan Mine and got a view of the Ruby Hill overlook. Low and behold! Two more anti-clines! These projects have had unique recent histories, and it was great to get the background and current status.

A good and productive time was had by all, and our luck with the weather and lack of flat tires was gratifying! I think we can all agree that the oft heard declaration “she who sees the most rocks, wins!” is true.

Also, thanks to the sponsors for the field trip, Envirotech Drilling, TonaTec Exploration, LLC, National Gold Mining Corp., Boart Longyear, ALS Minerals, and American Assay Laboratories.

Mary Stollenwerk

Manager Client Services and Marketing, Geochemistry
USA

**BOART LONGYEAR, ENVIROTECH DRILLING, NATIONAL GOLD MINING,
TONATEC EXPLORATION, LLC, AMERICAN ASSAY LABS, and ALS MINERALS!**

Group Photo: (alphabetically) J. Baughman, B. Berman, T. Callicrate, R. Carraher, J. Churchill, M. Cividin, D. Eastwood, A. Ekizian, T. Gesualdo, Z. Hibdon, C. Hohl, J. Hohl, J. Hoskins, B. Hunsaker, M. Hunsaker, C. Johnson, J. Laravie, D. Lawler, J. Lowe, B. May, P. Moran, D. Mough, C. Newton, P. Noland, A. Ojanian, S. Pastor, D. Pietz, L. Ruud, L. Schranz, K. Sherrard, V. Spalding, M. Stollenwerk, D. Strachan, B. Thomasson, J. Torres, S. Weiss, J. White, N. Whitmer, J. Womer, E. Zbinden. Not pictured: J. Zimmerman.





Saturday evening talk at the Owl Club



Jamie Robinson does some great arm-waving about the geology at this field stop



GSN officer, Kelsey Sheppard



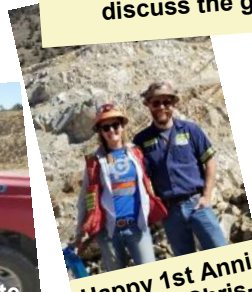
Fiore Gold's Bridget Ball and Paul Noland discuss the geology at the Pan Mine.



Adam Ekizian finds a nice molybdenum specimen



Josh White, Steve Weiss & Tom Callicrate



Happy 1st Anniversary Christine and Jacob Hohl



Elizabeth Zbinden, John Torres, Bridget Ball and Sergio Pastor talking geology.

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BRAND NEW 2020 GEOLOGY & MINING CALENDARS
MAKE GREAT CHRISTMAS GIFTS!!

Nevada Bureau of Mines & Geology's
Nevada Geology Calendar 2020—For Sale Now!



We thank Jack Hursh, Jennifer Vlcan, and Chris Henry for designing *another* beautiful calendar this year!

This 12-month calendar (January through December 2020) is full of beautiful photos highlighting Nevada's scenic wonders and features a different geologic topic each month: Clan Alpine Mountains, White River Country, East Humboldt Range, Strata, Fissure Ridge, Little High Rock Canyon, Ragged Top, Nevada's Largest Earthquake, Geothermal Energy, Clayton Valley Dunes, Walker Lane, and Mormon Well Road.

Click here to view/order the calendar:

<http://pubs.nbmj.unr.edu/Nevada-geology-calendar-2020-p/cal2020.htm>

When calendars arrive in mid-November, you may select "Pick up" on the shopping cart so you can pick yours up at the NBMG Gold building, 2175 Raggio Parkway.

Quantity discount: If you buy **10 or more** calendars per order, **you will receive a 20% discount!**

AIPG EXPLORATION ROUNDUP

Tuesday, December 10, 2019

ATLANTIS HOTEL, 3800 S. Virginia St., Reno, NV

6:00 Open Bar, 7:00 Dinner, 8:00 Program

Companies Presenting

**Contact Gold, OceanaGold, Blackrock Gold, McEwen Mining,
Renaissance Gold, Nevada Copper, Bravada Gold, Barrick Gold**

Meeting Sponsor: Boart-Longyear

\$70 AIPG/GSN Members/Spouses

\$75 Others (cash, check)

Mackay Students: *Free*

Reservations: Kel Buchanan (summitcrk@aol.com), 775-786-4515, fax 786-4324

by December 6th, 5:00 p.m.

Raffle for Mineral Specimens from Mark Stock to Benefit AIPG UNR Club Field Trips

Thank you to our generous donors in October!

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If you'd like to make a donation to the Foundation as a tax-deductible gift for 2019, please click here to donate online with a credit card. [**GSN FOUNDATION DONATIONS**](#). Checks are always welcome too. Please make checks payable to: GSN Foundation and mail to 2175 Raggio Parkway, Reno, NV 89512.

You may have noticed that we are not currently taking donations for Student Dinners and Student Field Trips. Both of those funds have a good cushion in them now so we encourage you to direct your donation to one of the other funds at this time. The General Fund covers the K-12 earth science field trips, UNR Scholarships, Elko Graduate Research Scholarships, NBMG Mapping Grants and the CREG field mapping course.

Activity Update

Mike Brady, September 2019

www.activityupdate.com

NEVADA

Barrick Gold Corp. announced that the results of a discovery drill hole 2 km north of the Fourmile Deposit (FM19-11DW14) increases the strike length of the Goldrush-Fourmile Trend to greater than 6 km. The specific assay results of the drill hole were not released. *Press Release:* September 17

Fiore Gold Ltd. announced that recent drill results at the Gold Rock Project include 161.5-187.5 meters @ 0.88 gpt Au (GR19-07); 135.6-150.9 meters @ 1.22 gpt Au (GR19-09); 128.0-138.7 meters @ 0.37 gpt Au (GR19-10) and 118.9-143.3 meters @ 0.96 gpt Au (GR19-14). (resource = 9,006,000 tonnes @ 0.82 gpt Au indicated) *Press Release:* September 10

Lincoln Mining Corp. announced that based on recent studies at the Pine Grove Project, the Wheeler Deposit aggregates 2,741,700 tonnes @ 6.79 gpt Au measured+indicated and 1,000 tonnes @ 0.34 gpt Au inferred. The Wilson Deposit aggregates 2,523,400 tonnes @ 0.92 gpt Au measured+indicated and 38,400 tonnes @ 1.06 gpt Au inferred. (was 3,060,000 tonnes @ 1.30 gpt Au measured+indicated for both) *Press Release:* September 16

Corvus Gold Inc. announced that recent drill results at the North Bullfrog/Sierra Blanca Project include 106.68-135.64 meters @ 0.57 gpt Au (NB19-460); 138.68-176.78 meters @ 0.37 gpt Au (NB19-461); 73.15-85.34 meters @ 0.72 gpt Au (NB19-462) and 32.0-42.67 meters @ 0.56 gpt Au (NB19-463). (mill resource = 14,330,000 tonnes @ 1.59 gpt Au measured+indicated) *Press Release:* September 23

Contact Gold Corp. announced that recent drill results at the Pony Creek/Appaloosa Project include 83.82-112.78 meters @ 0.38 gpt Au (PC19-16); 85.35-92.97 meters @ 0.84 gpt Au (PC19-17) and 106.68-120.4 meters @ 0.31 gpt Au (PC19-17). (resource = 29,463,000 tonnes @ 1.5 gpt Au inferred) *Press Release:* September 18



OBITUARIES

William L. Wilson

July 12, 1930 - August 26, 2019

William L. "Bill" Wilson, loving father and longtime Grand Junction resident, passed away on August 26, 2019, at the HopeWest Care Center. He was 89 years old.

Bill was born in Tillamook, Oregon. His favorite activities while growing up were hunting and fishing with his brother, Kay. Bill was a precocious child, skipping several grades and graduating from high school at 16. He attended Oregon State University where he earned a Bachelor's Degree in Business Administration. From there he enrolled in the Master's program at the University of California at Berkeley. It was at this time that he and Kay purchased a Uranium mine in Meeker, CO and began their mining career which lasted the rest of their lives. One year into his time at Berkeley, Bill was drafted into the Army during the Korean War. He spent his time in service in the Counter Intelligence Corps, deployed in Japan. After being honorably discharged, Bill returned to Meeker and the mine. It was about this time Bill met and married the love of his life, a Grand Junction girl named Joan Barnes, and they started their family. But, after only a couple of years, the Government ceased buying Uranium and the boom was over.

Forced to seek greener pastures, Bill and Jo, with their two little ones, moved to Reno, NV. Bill and Kay soon learned that the geology and ore deposits of the Basin and Range Province were completely different than those of the Colorado Plateau. So, Bill began reading and amassing a library of all the published literature on the mines and deposits in Nevada. This led Bill and Kay to prospect many of the old abandoned mining camps and eventually discover several large ore bodies which have developed into highly productive mines.

After achieving some success in this way, and wishing to return to the idyllic small town life, Bill and Jo and their now four children moved back to Grand Junction in 1968. They bought a small farm and soon joined the Bookcliff Country Club, and became avid tennis players and golfers. Here they renewed old and formed new friendships which they would cherish and maintain for the rest of their lives.

Bill was preceded in death by his wife, Jo, in 2012, and by his brother and lifelong partner, Kay, in 1980. His sister, Betty, passed away in 1996.

He is survived by his loving children, Kelly, Brent, Julie and Holly, and grandchildren, William and Sigismund.

Donations should be directed to HopeWest in Grand Junction.

Published in The Daily Sentinel from Sept. 8 to Sept. 11, 2019



BLM signs lease deal on Grand Junction HQ site

By [Mark Harden, Colorado Politics](#) (reprinted from online article, Oct. 29, 2019 [Colorado Politics](#))

The U.S. Bureau of Land Management has signed a lease agreement on office space in Grand Junction for its proposed new headquarters in Colorado. The space is in an office building at 760 Horizon Drive, near Grand Junction Regional Airport on a street that's home to several hotels.

In its announcement, BLM said the space will house the federal land agency's director, deputy director for operations and other senior leadership and support staff. How much space is included in the lease deal was not disclosed. But BLM said the lease terms "will provide the bureau with significant cost savings compared to the current arrangement in Washington, D.C."

The federal lands agency said it has "advertised 19 positions, all currently vacant, that will be located in the new headquarters. These positions ... include senior leadership and experienced senior staff roles, as well as three Senior Executive Service positions."

The prospect of a BLM headquarters move to a western city has been under discussion for years and heated up after President Donald Trump took office, culminating in U.S. Sen. Cory Gardner's announcement in July that the agency had picked Grand Junction as its new headquarters site.

It was later revealed that as few as 27 BLM officials and staffers might be based in the new headquarters out of some 10,000 BLM employees. A few hundred others would be dispersed to other western states.

A recent real estate listing for the 760 Horizon Drive property, updated Wednesday, says the 59,114-square-foot building, built in 1970, had a 10,555-square-foot space available for lease on the second floor at \$25 per square foot per year (or about \$264,000 a year for the entire space), with room for between 27 and 85 people, as well as two smaller spaces of 5,000 square feet (accommodating 13 to 40 people) and 3,500 square feet each (with room for nine to 28 people) for the same lease rate.

The space was offered under a "triple net" lease, which means the tenant also pays for real estate taxes, building insurance and maintenance on the leased property.

The West Slope Colorado Oil & Gas Association also lists its address in the building, and corporate offices of oil and gas giant Chevron and Denver-based Laramie Energy also are listed there. Oil and gas companies' operations on federal lands are regulated by BLM and the Interior Department.

"On behalf of the state of Colorado, I am excited to welcome the Bureau of Land Management to its new home in Grand Junction," Gardner, R-Colorado, said in a statement Friday.

"From the very beginning moving the BLM's headquarters West has always been about strengthening the BLM's relationship with local officials, moving the decision makers closer to the lands they oversee and the people they serve, and making better land management decisions. This commonsense move will save taxpayers money and solidify Colorado's legacy as a responsible steward of public lands," he said.

That's assuming that BLM and its parent, the U.S. Department of the Interior, overcome opposition to the move.

Earlier this month, 30 retired BLM administrators wrote to Interior Secretary David Bernhardt asking him to reconsider the relocation, accusing him in the letter of "setting up the BLM for failure" by moving its leaders far from the nation's capital and saying the move would cause "a massive disruption and expenditure of funds for no gain."

And the Public Lands Foundation, a nonprofit whose members are mostly former BLM employees, wrote Congress a blistering letter on Aug. 20, saying the move would "result in the BLM serving only the short-term wants of locally powerful stakeholders to the detriment of all other constituents and the long-term needs of the public lands."

Several of Colorado's representatives in Congress from both parties back the move, however, including both Gardner and Democratic Sen. Michael Bennet. Advocates say the relocation would place BLM's decision makers closer to the millions of federal acres they administer and to the vast majority of agency employees already based in the West.

BLM oversees more than 245 million acres of public land, almost all of it in the West, thousands of miles from the current headquarters. "Standing up the headquarters is another step in providing better service to the American people and our neighbors in the West," Bernhardt said in a statement Friday.

Jamie Connell, BLM's Colorado state director, said in a statement that having "headquarters positions" in Colorado will "serve our diverse resource needs, from minerals to recreation and business and fiscal management. The state and the entire bureau will benefit from the policies and procedures these positions are responsible for, which directly impact the agency's day-to-day operations. We look forward to welcoming these employees, including BLM senior leadership, to our beautiful state."

William Perry Pendley, the agency's acting director, recently told a congressional committee that he will be staying put in Washington to serve in his regular job as deputy director for programs and policy, but BLM's next permanent director will move west.



U.S. Sen. Cory Gardner says the U.S. Bureau of Land Management has signed a lease agreement for office space in this building at 760 Horizon Drive in Grand Junction for its new headquarters.

Marianne Goodland of Colorado Politics and The Associated Press contributed.

2019 Mineral Exploration Summit Program

Tuesday, November 12 - Wednesday, November 13, 2019

Atlantis Resort & Casino, Reno, Nevada



Join with your exploration colleagues for 1½ days of presentations and panel discussions covering the latest information on topics relevant to your success in a rapidly-changing exploration landscape.

You will hear from internationally-recognized authorities, Nevada legislators, county commissioners, state and federal agencies, and your fellow explorers.

Keynote speaker, Rod Eggert, PhD, an expert from the Colorado School of Mines and the Critical Materials Institute, will bring you up-to-date about the looming minerals supply crisis being brought on by the shift to a low-carbon future.

Rick Rule, the President and CEO of Sprott U.S. Holdings, Inc., and expert on natural resources companies and investing, will present insights on the perceptions of Nevada's prospectivity, political and regulatory climate, and investment attractiveness as viewed by outside companies and investors.

CLICK THIS LINK TO REGISTER AND FIND OUT ALL THE DETAILS: <https://www.nvmec.org/2019summit>

OTHER UPCOMING EVENTS

3-9 November 2019 Alaska Miners Association Fall Convention & Trade Show. Dena'ina Convention Center, Anchorage, AK. Click the link for more information and to register: <http://www.alaskaminers.org/2019-ama-convention>

5 November: Arizona Geological Society. Sheraton, 5151 E Grant Rd. (& Rosemont), Tucson AZ 85712. **Speaker: Tony Hammond Mining and GIS Consultant Hammond Swayne LLC. Title: Vanadium Deposits in Arizona.** **Registration closes at 11am on the Friday Prior to the Date of the Event.** More information and online registration: [Vandium Deposits in Arizona](#)

7 November: Nevada Petroleum and Geothermal Society Monthly Dinner Meeting. LOCATION: Tamarack Junction, 13101 S. Virginia St., Reno, NV. Cocktail Reception 6:30 PM; Dinner Served at 7:15 PM. SPEAKER: Rick Zehner (our NPGS Vice President!) will be giving a talk titled "Travelogue and early-stage geothermal exploration in Papua New Guinea". RSVP By Tuesday, Nov. 5 at this Link: <https://npgs.123signup.com/event/details/rbvmg?mid=5044465>

7 November: AEG—Great Basin Section: Speaker: Chad W. Carlson, Lettis Consultants International, Inc. (InfraTerra, Inc.) Title: "Oroville Dam Emergency Response: Geologic Considerations for Spillway Repairs and the Engineering Geologists' Contributions during Construction". Sure Stay Plus, Best Western, 1981 Terminal, Reno NV. Drinks @ 5:30 pm; Dinner @ 6:30 pm; Talk @ 7:00 pm. Please contact Merrily Graham for more information or to RSVP for dinner by Nov 5th: [Merrily Graham <mkgraham75@gmail.com>](mailto:MerrilyGraham75@gmail.com)

11 November: Northern Nevada Section of the SME "KICK-OFF THE HOLIDAYS PARTY AND SILENT AUCTION FUNDRAISER", Circus Circus Hotel, Reno, NV. Raffle and Auction items still needed! Please contact Sarah Lightner to donate: [sightner@geopros.com](mailto:slightner@geopros.com). For more information email: NNevSME@gmail.com and to register online click this link: <https://squareup.com/store/nnewsme>

22 November: UNR Geotechnical Engineering Seminar Series. 12:00 -1:30 pm in the Earthquake Engineering Lab Auditorium at UNR. **Speaker: Jonathan D. Bray, Ph.D., P.E.,** NAE Faculty Chair in Earthquake Engineering Excellence, University of California, Berkeley. Title: **"Estimating Liquefaction-Induced Building Settlement"**. <https://www.unr.edu/cee/research/geotechnical/seminar>

1-6 December 2019 American Exploration & Mining Association Annual Meeting "Challenges, Problems, Solutions". Nugget Casino Resort, Reno/Sparks, NV. Click the link for more information and to get registered: <https://www.miningamerica.org/2019-annual-meeting/>

8-9 December 2019 2019 SME Arizona Conference, hosted by the Society for Mining, Metallurgy & Exploration, in Tucson, Arizona. The Keynote Speaker is Dr. Dirk Van Zyl, Professor of Mining Engineering, Norman B. Keevil Institute of Mining Engineering, University of British Columbia. Dr. Van Zyl's talk is entitled "Tailings Governance: Are We Up to the Challenges?". For more information on the SME Arizona Conference, visit www.smeazonaconference.com/.

10 December 2019 AIPG Exploration Roundup, Atlantis Resort and Casino, Reno NV, sponsored by Boart Longyear. Contact Kel Buchanan, summitcrk@aol.com for reservations, or call HB Engineering at 775-786-4515.

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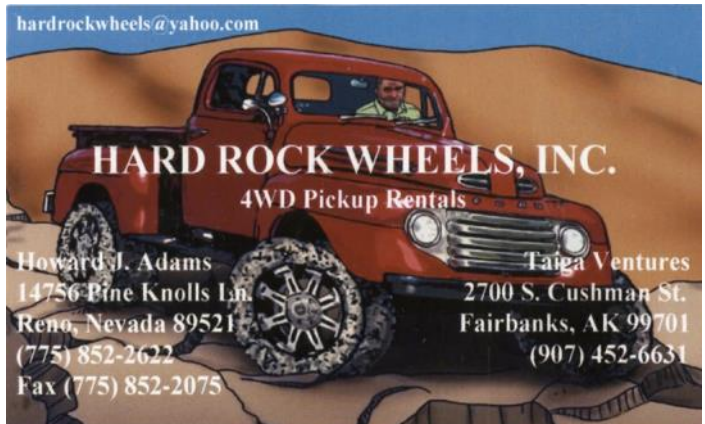
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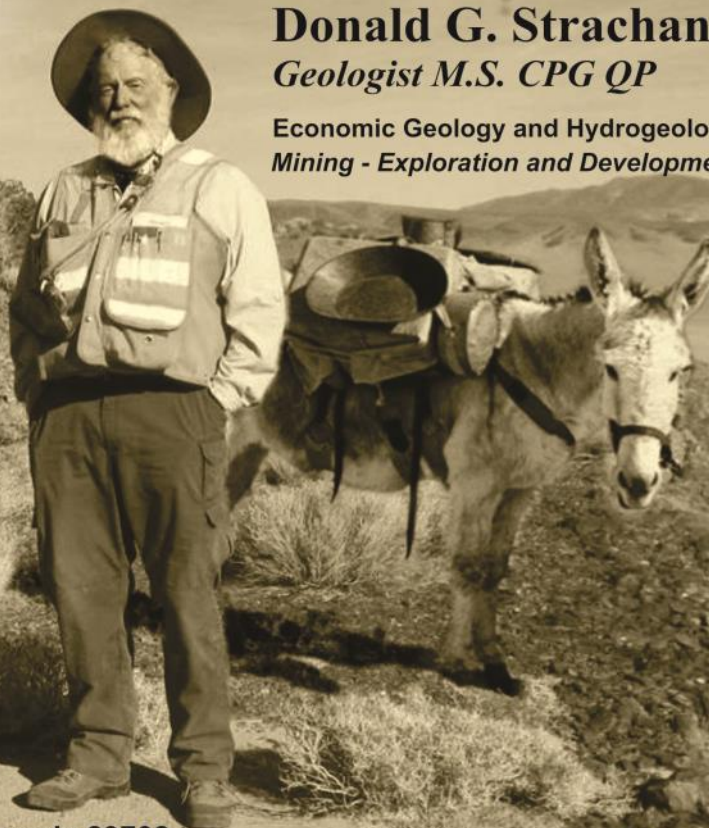
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TRAVELING GSN BACKPACK PHOTOS

(submit your photos anytime and I'll place them when I have room!)



Fall Field Trip leader, Christine Hohl hanging out at the Ruby Hill overlook on the last stop.



Darwin Monument outside of Uspallata, Argentina. This is a very famous fossil forest discovered by Charles Darwin and is a big deal in Argentina.

Dave Shaddrick, Richard Bedell & Don Hudson



2010 & 2015 GSN backpacks on the Fall field trip. The Eureka town park was a nice place for lunch!



The 2005 GSN bookbag on its journey to the mines in Mineral County (Lane Griffin)