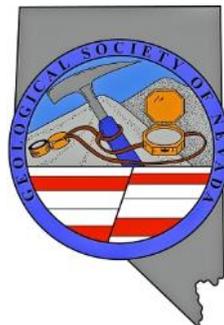


GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

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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CALENDAR OF GSN EVENTS

**No Meeting
This Month!**

SO. NEVADA CHAPTER MEETING (No meeting in December!)
For more information please contact Josh Bonde at paleo@lvnhm.org.

**Dec. 6, 2018
THURSDAY!**

ELKO CHAPTER HOLIDAY MEETING & SILENT AUCTION!
Drinks and Silent Auction starts at 6:00 pm, Dinner at 7:00 pm, New this year! A slideshow of member photos will be played at the event. Please send photos you would like to include to Diane Cheung at: dianehcheung@gmail.com. **Dinner and Drinks Sponsored by: BOART LONGYEAR and LEGARZA EXPLORATION!** For more info please contact Nate Wright at: **AUCTION ITEMS STILL NEEDED!** Contact Nate Wright at Nathan.Wright@newmont.com for more information.

**Dec. 12, 2018
WEDNES-
DAY**



**THE GSN CHRISTMAS MEETING, SILENT AUCTION & RAFFLE!!
PLEASE DONATE RAFFLE & AUCTION ITEMS TODAY!**
The GSN's annual Christmas meeting and Foundation Fundraiser at the Nugget Casino Resort, Sparks, NV. Silent Auction/Drinks-6:00 pm; Dinner-7:00 pm; Live Gold auction-7:45 pm; Talk-8:00pm. Speaker: Scott Werschky, Miner's Lunchbox. Title: "The other side of gold mine economics- SPECIMENS -a pictorial passage through Nevada's mineral wealth". **Party sponsor is: ENVIROTECH DRILLING!** Dinner cost is \$50 Please make reservations for dinner with Laura Ruud, by emailing gsn@gsnv.org or PREPAY ONLINE at: <https://squareup.com/store/GSNV> **AUCTION ITEMS STILL NEEDED! Contact Cami Prens: camimda.com**

**Dec. 19, 2018
THURSDAY**

WINNEMUCCA CHAPTER HOLIDAY MEETING & SILENT AUCTION!
Refreshments and Silent Auction starts at 6:00 pm, Talk at 7:00 pm. **Speaker: To Be Announced. Topic: To Be Announced. Food and Drinks Sponsored by: To Be Announced.** For more info. please contact Chapter President, Matt Fithian at Matthew.Fithian@ssrmining.com. **AUCTION ITEMS STILL NEEDED!**
Please contact Tony Gesualdo @ anthony.gesualdo@gmail.com



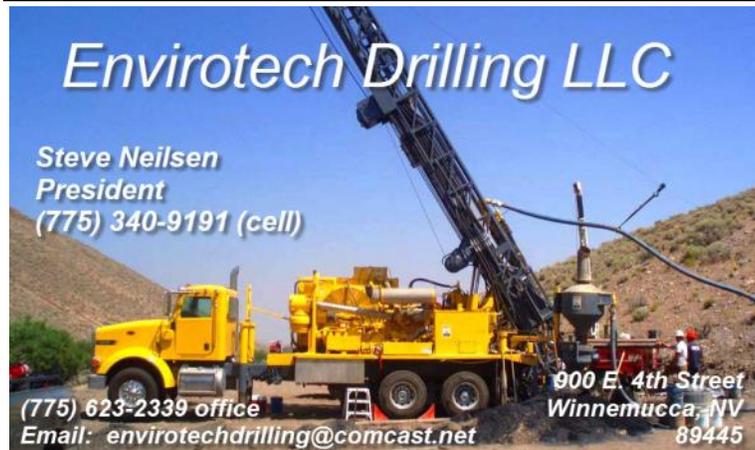
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FROM THE PRESIDENT
Richard Bedell, GSN President 2018-2019
DECEMBER 2018



One thing the Executive Committee has been concerned with is the aging membership population. It is not that GSN plans to get into the healthcare business, but we need younger members to continue to be the successful organization that it has become. Part of that problem for Reno is that there are more entry level jobs at the mines and companies in Winnemucca, Battle Mountain, and Elko. Nonetheless we do not seem to get many students and those younger Geo's that are resident in Western Nevada.

Part of the problem the younger demographic has explained is the venue and the cost of dinner. Simultaneously to these concerns is a changing of the guard at the Elks Club. It is under new management and our longtime caterer is no longer working there, not to mention everyone's favorite bartender, Larry.

For these reasons the Executive Committee has decided to try a different venue for the first three months of 2019. We have not burned bridges, so it is possible to go back to the Elks Club. After extensive research we have decided to try *Taps & Tanks* a facility owned and run by Great Basin Brewing. The beer speaks for itself, but it will also stock some hard liquor (yes, including Old Grandad) and wine. In addition, they will be the caterer and charge the same as we have been. I think we will get better quality. Importantly the audio-visual system is vastly superior with a large screen mounted high and not recessed back into a stage area. To address the expensive dinner we are also considering a snacks-tapas version instead of dinner for a lower cost. We are also going to try a Thursday night to see if that does not conflict with the plethora of things going on in Midtown on a Friday night.

In summary, we think the *Taps & Tanks* venue will be more attractive to a younger demographic, the audio-visual will be improved, the food will be delicious and who doesn't love an icky. Geologists often get their best ideas when proximal to beer, imagine how much the synapses will fire if we are in a beer making facility!

This month we are at the Nugget for our Holiday party December 12th and getting a talk on gold specimens by Scott Werschky. The Taps & Tanks venue will start in January.

Have a great holiday everyone.

Richard Bedell
GSN President

***The G.S.N. wishes to thank RUEN DRILLING
for sponsoring the GSN's November 16th meeting in Reno!***



GSN CHRISTMAS MEETING—DECEMBER 12, 2018



SPEAKER: Scott Werschky, Miner's Lunchbox

TITLE: "The other side of gold mine economics- SPECIMENS - a pictorial passage through Nevada's mineral wealth"

Social Hour, Silent Auction and Raffle begin @ 6:00 pm; Dinner @ 7:00 pm;

LIVE GOLD AUCTION @ 7:45 pm and Speaker to Follow @ 8:00 pm

Location: Nugget Casino Resort's Rose Ballroom, 1100 Nugget Ave., Sparks, Nevada

DINNER COST—\$50.00 per person. RAFFLE TICKETS—\$1.00 Each.

(You will be invoiced \$50 if you do not cancel your reservation by Monday, Dec. 10th)

For dinner reservations, please e-mail gsn@gsnv.org or call 775-323-3500

To Pre-pay or pre-order raffle tickets please click here: <https://squareup.com/store/GSNV>

Reservations due by 5 p.m. on FRIDAY, DECEMBER 7, 2018!!!

Please donate auction & raffle items by Monday, December 12th. Contact Cami Prenn @ cami@mda.com



"The other side of gold mine economics- SPECIMENS -a pictorial passage through Nevada's mineral wealth"

By Scott Werschky



“FACES OF GSN”

Kebrina Rosino, Reno, Nevada

Firstly I would like to thank Laura Ruud and Molly Hunsaker for suggesting my name for December Faces. It is a real honor to be recognized and included with so many accomplished geologists. I was born and raised a desert rat in Las Vegas where my family has been since the 50's. Thanks to my beautiful mother who strapped me into her bored out Land Cruiser at the age of two, the southern deserts became my playground. My first taste of geology came at the age of ten when mom took my brother and me out to dig for trilobites, it was in that moment the barren landscapes, mountains, playas, and waterholes came to life. I began mapping the desert, my favorite outcrops, and every trail we had ever been on. Rock climbing became a foremost passion, and there was never a bad time to hit the dirt in jeeps or on bikes to go digging for treasure.

About the time I finished high school, Las Vegas was entering one of its many transformations and I got caught up in the bright lights of big shows. So I entered the newly imported entertainment industry and went to work for Cirque Du Soleil, first as a rigger, then lighting, and ended up programming automated scenery. Pay was great and I took the offer to travel internationally on show tours. After 7 years I had had enough, and made the jump from “back stage carnie” to corporate America.

The dot.com boom was on. I worked my way up as a programmer with Las Vegas Reservations, a small 10 man company which grew to become Travelscape. The company had a second growth spurt and we became Expedia. We hit the big one when Microsoft bought us out. After a year I decided to sell shares and take a little sabbatical around the world.



Upon my return I found new interests in construction and development and went to work for Novus Vi a private civil engineering and consulting firm. I started work as a surveyor and worked my way into project coordination. Working for Novus Vi brought 10 years of phenomenal experience and knowledge concerning industrial, commercial and high-end residential development. I enjoyed the challenge of balancing deadlines between the city, county, and utility companies; however deep down I was yearning to shed the heels for a hard hat and boots.

In 2014 I decided to go after a geology degree and landed at UNR. I suppose this is where the inner geek resurfaced within me and how I find myself the oddball on this list. UNR decided to create a degree with an emphasis in GIS and I couldn't let this opportunity pass. So I decided to take the GIS degree with the geology minor. What is the reasoning behind this crazy move? The toys! Technology has come a long way and this is an incredible time to play especially when (cont. on page 5)

Rosino—Faces (cont. from page 4)

NASA/NSF grants are paving the way.

The first opportunity working with remote sensing data came in 2017. My research focused on subsidence in Arizona. A 2km fissure had ripped open in the earth. We don't often get to see geology move this fast, terrible and fascinating at the same time. Working with Arizona Dept. of Water Resources (ADWR) and InSAR data my GIS/geology skills aided in producing predictive models for future earthen fissures and subsidence.

I am currently working under UNR research grants with the Walker Basin Conservancy and Nevada State Parks and Recreation Division. Through the use of unmanned aerial systems (UAS) aka drones I am providing data and analyses to aid in efforts assessing modified landscapes and natural resources for management initiatives along the East Walker River.

In addition to school and research I have worked with NBMG for the last 18 months under the guidance of Charlotte Stock and Jennifer Vican to whom I owe my many accomplishments and successes. My experiences with the bureau and the amazing staff have provided the solid foundation I needed to continue forward in the field of geology for which I remain grateful.

After graduation in December 2018 I plan take a year or so to work, hopefully in the Reno area before continuing my education in a masters program. I have my eye on a few geology programs both in the U.S and in England.

I have made many friends and adopted family within NBMG and GSN during my time in Reno and I am looking forward to finally having time again for fishing, hunting, climbing, camping and sailing in this unique area with them all.



GSN ELKO CHAPTER HOLIDAY MEETING & SILENT AUCTION

THURSDAY, DECEMBER 6, 2018

Location: The WESTERN FOLKLIFE CENTER, 501 Railroad St., Elko

Time: Refreshments & Silent Auction @ 6:00 p.m., Dinner @ 7:00 p.m.

Silent Auction & Raffle to benefit the Elko Scholarship Fund

Contact Nate Wright to donate auction items: Nathan.Wright@gmail.com

A slide show will be playing during the party. Please send any fun geo-type photos of yourself or colleagues to Diane Cheung: dianehcheung@gmail.com

Food and Drinks Sponsored by:



**BOART
LONGYEAR™**



**GSN WINNEMUCCA CHAPTER HOLIDAY MEETING
& SILENT AUCTION**

WEDNESDAY, DECEMBER 19, 2018

Location: The MARTIN HOTEL, 94 Railroad St., Winnemucca NV

Time: 6:00 p.m.—Appetizers & Drinks & Silent Auction bidding

7:00 p.m.—Talk begins

Speaker: To Be Announced

Title: To Be Announced

Food and Drinks Sponsored by: To Be Announced

To donate auction items please contact:

Matthew.Fithian@ssrmining.com or Tony Gesualdo @ anthony.gesualdo@gmail.com

GSN FOUNDATION

By Cami Prens, GSN Foundation Chair

Our first snowfall in Reno is helping usher in the spirit of the Christmas Season and just in time for the Christmas party on Dec. 12! Please plan to attend; it's a highlight of GSN's monthly meetings. The speaker is our generous gold specimen donor, Scott Werschky, talking about the economics of collecting minerals. We expect to have some high quality specimens for auction again.

Donations for the raffle and silent auction have been a bit slower to come in this year so I'm making a last-minute plea for donations. After last year's event we counted every raffle ticket to see which items are most popular and guess what? Would you be surprised to know that high quality liquor draws the most interest? The bottle of Johnny Walker Blue Whiskey donated by Boart Longyear was the biggest draw for the raffle. But we had a wide variety of wonderful prizes and there were over 150 items. We also had nearly 50 items in the silent auction – you were generous donors last year! The proceeds make up about 50% of our annual budget so your donations are so very important to the Foundation.

You can prepay for raffle tickets on the square-up store (<https://squareup.com/store/GSNV>) and we'll have them ready for you to pick up at the door. Remember to bring your address labels for your tickets to save some time and writers' cramps. See you there in a few short days!

Donate auction items today!



Thank you to our generous sponsor for the So. Nevada Chapter's NOVEMBER MEETING!



**MINE DEVELOPMENT
ASSOCIATES**

Brian Morris Scholarship Fund

At the request of Brian Morris' family the GSN Foundation will be setting up a scholarship in Brian's name. We are receiving donations and will begin the task of outlining the details of the scholarship after the holidays. Thank you to everyone who has donated; we will continue to take donations. There were many heavy hearts at the memorial service and we will hold Brian in our memory as we progress with the Scholarship Fund. Our thoughts and prayers are with Brian's family.

(If you'd like to donate online click on this link:

<https://squareup.com/store/GSNV>)

IN  LOVING
MEMORY

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



BRAND NEW 2019 GEOLOGY & MINING CALENDARS MAKE GREAT CHRISTMAS GIFTS!!

Nevada Bureau of Mines & Geology's *Nevada Geology Calendar 2019—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 2019) is full of beautiful photos highlighting Nevada's scenic wonders and features a different geologic topic each month: Snow Covered, Geomorphology, Keystone Thrust, Roberts Mountains, Great Basin National Park, Fang Ridge, Calico Mountains, Black Rock Lava Flow, Kyle Canyon, Wilson Canyon, Frenchman Mountain, and Basin and Range—plus interesting facts about Nevada and the geology of the state.



Click here to view/order the calendar:

<http://pubs.nbmgs.unr.edu/Nevada-geology-calendar-2019-p/cal2019.htm>

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!**

After two years talking about the Silver Top head frame, we now have it memorialized in the 2019 Calendar by the NNV SME!



Photo Credit—Paul Pace

Funding for the dismantling and re-installation of the Silver Top head frame is going well. Nevada Commission Cultural Centers & Historic Preservation in April awarded the Tonopah Historic Mining Park Foundation \$100,000 and the THMP Foundation in August added a second \$100,000 from funds on hand. The completed forms for the Grant were mailed to SHPO last week and an approval is expected shortly. Initial work this winter will be grading the site for a lay down area and a safe place for the crane and ManLifts to work. The actual dismantling of the Silver Top head frame should take place after the Jim Butler Days scheduled for Memorial Day.

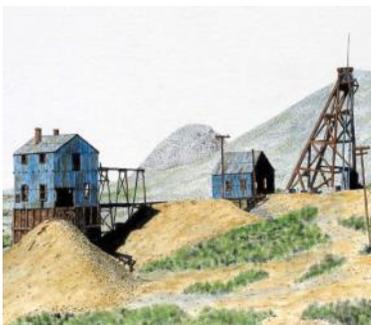
Advise and guidance from Robison Engineering, Atkinson Construction, Small Mine Development, and others were a big part of coming up with the plan presented, first to the Town and then the State Historic Preservation Office. We are looking for additional partners and supporters to help us achieve this restoration work.

The Northern NV Section of SME has joined in the effort in their 2019 calendar sales.

Please see and complete the attached [order form](#) (please click on link for order form). Payment is accepted by cash, check, or credit card.

Click on this link to find additional information on the Silver Top and other donation opportunities: <https://www.tonopahminingpark.com/silver-top/>.

Bill Wahl (williamwahl@hotmail.com) & Ann Carpenter (ann.carpenter57@gmail.com) are leading this fundraising effort for the Tonopah Historic Mining Park Foundation.



Artwork Credit—Ralph Bennett

Thank you to our generous donors in November!

G.S.N. FOUNDATION

PLATINUM DONORS \$1,000+

**Alfonso Bedoya
Brent Wilson**

GOLD DONORS \$500-\$999

SILVER DONORS \$100-\$499

**Ken Ainsworth
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Jack Hursh
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Steve McMillin
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James Moore
Clay Postlethwaite
Kevin Russell
Fred Saunders
Mark Whitney**

*Thank
You!*

G.S.N. Student Field Trip Fund

(This fund covers the registration costs for college students who wish to go on the GSN field trips each year)

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Fred Barnard
Keith Bettles
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David Colburn, Jr.
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G.S.N. Student Dinner Fund

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Don Wagstaff
Terry White
Brent Wilson**

Brian Morris

1961-2018

Modified and extended from: Brian Morris – Faces of GSN, February 2013 Newsletter by Brian Morris

Brian Wayne Morris, 57, of Reno, NV, died in a tragic accident Saturday, November 10, 2018, while acting as Good Samaritan at the scene of a prior accident. A devout, God-loving man, Brian was a beloved husband, devoted father and trustworthy soul to all who knew him. Brian lived a full life in the great outdoors and loved to jeep, hunt, fish and ski. He had a very successful career as a geologist and mining executive in mining and exploration, overcoming dyslexia and becoming an inspiration and role model. In this fast paced world that we live in, Brian always knew how to make himself available. He generously gave people his time and understood the importance of his presence. This is why so many could call him their friend.

Brian was born in Santa Anna, CA on Valentine's Day 1961. He graduated Villa Park High School, Orange County, CA in 1979, and Humboldt State University, Arcata, CA in 1991. He met his true love and bride of nearly 27 years, Jan Michele Hufford, at College of the Redwoods, Eureka, CA. The couple married in Eureka, CA and lived in Winnemucca for 20 years, before moving to Reno in 2015.



Brian's interest in geology was first sparked by family camping trips into the Eastern Sierra Mountains in California between Lone Pine and Bridgeport. The rugged snowcapped peaks and spires and the numerous trout filled streams and lakes immediately attracted him like a moth to light. Growing up, every chance he had, he was exploring mountain trails as well as the deserts to the east.

Instead of starting college right out of high school, Brian began a landscaping business in Southern California. He ran his business for about 4 years, then decided to give law enforcement a try and joined the Orange County Sherriff Department. He soon found out that the requirement to work in the jail for 3 years before going out on the streets wasn't going to work for this outdoor guy, so he started considering other options. During those years, he was always out jeeping at or around his grandfather's property in the Mohave Desert, or exploring his beloved Eastern Sierra's.

It was during one of his jeep trips east of the ghost town of Bodie, California that he made the decision to pursue a career in geology. He was camping at the old town site of Aurora, Nevada. He was fascinated by the old timer's decisions of where they dug their prospect pits and drove their adits and he had to find out why. He started going to a local junior college in Southern California and eventually transferred to Humboldt State in Northern California where he received his bachelor's degree in geology.

During his education, the more he learned about geology the more his passion grew for the science. The ultimate for him was during field camp at Cerro Gordo in the Inyo Mountains just outside of the town of Lone Pine, California. The view each morning from his tent of Mount Whitney was inspiring. Training in his favorite place in the world! What joy that was for him!

Brian started college later in life than most traditional students, and was focused on making a living after graduation and was constantly pestering his professors, especially his advisor, about getting practical summer employment. It finally worked. He was given a name and a number and landed his first summer job as a geologist with American Gold Resources in Salmon, Idaho. He spent the summer with a company mapping and sampling prospect pits and adits. He was in heaven! He was being paid to do what he used to do for fun in his spare time!



After college he continued to work in Salmon, Idaho then Montana and eventually Nevada.

In 1991 he married Jan who he had met in college. She wanted him to be at home more so she asked him to consider one of those environmental consulting jobs like his buddies. He did that and found a job in Eureka, California. However, two years of drilling out hydrocarbon plumes at gas stations and old logging mills was enough for him. After experiencing gold exploration, it was in his blood and nothing else would satisfy that passion. Jan knew he was unhappy with that career path, and they decided it was time for him to get back into gold. He was out in Nevada working for Santa Fe Pacific almost two weeks to the day of their decision! They eventually made the big move and relocated to Winnemucca in 1996.

Brian continued to work for Santa Fe Pacific on several projects in Nevada and Montana until Newmont purchased the company in 1997. Then he moved on to a couple of junior companies working on various projects around the Winnemucca area.

One of the milestones in his career was accepting a position with Hecla Mining at their Rosebud Mine in February 1998. There his geologic skills were honed by the thousands of feet of underground mapping and interpretive work. He was also exposed to sampling theory which was critical to managing ore control. It's interesting how

his experience working in the county jail prepared him years later to work with the underground miners. The mine shut down early due to the low gold prices in July of 2000, and he moved on to work as a contract geologist on various short projects including Long Canyon in the Pequop Mountains.



In February 2001 he accepted a position as an ore control geologist with Barrick at their Meikle and Rodeo mines. That gave him excellent experience working up close and personal in a Carlin-style deposit. His underground experience (continued on page 11)

OBITUARY

Brian Morris obituary (Cont. from pg. 10)

continued at Newmont's Midas Mine. He spent 5 years with Newmont, 4 at Midas managing ore control, underground drilling and district surface exploration. His last year with Newmont was spent working on the Nevada epithermal vein exploration program. That truly was a fun job!

The second major milestone in his career was when he moved on with Great Basin Gold (GBG) to help put the Hollister property into production. He was hired to be the Chief Geologist, but that lasted only a couple of months before he was promoted to the North American Exploration Manager. That position greatly changed the course of his career. Instead of focusing on rocks, now his job was mostly honing his presentation skills, giving numerous presentations to analysts, financial institutions and convention participants. This new direction introduced him to the financial side of the business.



Life has its way of coming full circle. During his stint with GBG he brought the Aurora property to the table and eventually GBG purchased the property. He was back where he had started over 20 years earlier, with a little better idea of why the old timer's dug where they did. After all these years of exploration and mining he had a whole new respect for the old prospector's mostly self-taught knowledge.

In 2010 Hecla Mining Company offered him a position as VP for their subsidiary company, Rio Grande Silver, to manage their JV project in Creede, Colorado. He was there for 18 months working with an outstanding team. Not only did they have great exploration success, they also managed to reopen the Equity Mine for underground exploration and permit a new decline at the former Homestake's Bulldog Mine.

Wanting to get back closer to home, in 2011 he accepted a position with Premier Gold Mines Limited as their US VP of Exploration. Shortly after accepting the position he found himself managing the Canadian projects as well. It was a whole new world up there driving on ice roads to the camp jobs, building drill pads on frozen lakes, and the dangers of the muskeg! He found out firsthand how fast the Muskeg can swallow an excavator. It was an exciting experience working with Premier Gold building a company and especially growing their US assets.

Brian decided it was time for a change and took his exceptional management talents to the world of mine contracting. In July, 2013 he was appointed President of American Mining & Tunneling (AMT). With roughly 25 years of mining experience in geology, production, and exploration, he led a 200 plus employee team of miners, engineer's and mining professionals at AMT who were responsible for the production and development for some of the industry's most recently successful gold deposits in Nevada, Idaho and Montana.

In December, 2014 Brian joined Klondex Mines, Ltd. as Senior Vice President of Exploration. Brian helped grow the company resources from 1.5M ounces to 5.35M ounces through organic growth and acquisition of True North (formerly Rice Lake), Hollister and once again his old stomping ground, Aurora. Brian dreamed of making the next big discovery in the Aurora District and seeing the Hatter Graben target going into production at the Hollister Mine. He was a member of the original team that discovered Hatter while with Great Basin Gold in 2007.



Klondex was acquired by Hecla Mining in July, 2018 at which time Brian became a board member of the spin-off Canadian junior mining company Havilah Mining Corp. Twelve days prior to Brian's passing he proudly accepted the position as President for Blackrock Gold Corporation who's flagship asset is the Silver Cloud property located immediately southwest of Hecla's Hollister Mine. There is no doubt Brian was up for the challenge and destined to make the next big discovery in that District.

All of those years ago, there is no way he could have realized what a life changing trip to the Aurora District would be. He was very happy that he pursued a career in geology to answer his curiosity of why the old prospectors dug where they did.

Brian was a member of the GSN for 24 years and held an officer's position with the Winnemucca Chapter. He was a member of the American Institute of Professional Geologists and a registered Professional Geologist. He was member of Reno Christian Fellowship, Washoe County Republican Central Committee, and a Nevada Republican Party State Delegate.

Brian is survived by his wife, Jan Hufford Morris; daughter and son-in-law, Tara and Dave Matzen; parents, Wayne and Darlene Morris; sister and brother-in-law, Megan and Dermot O'Doherty, nieces Kate and Fiona; mother- and father-in-law, Wallace and Judie Hufford; brother-in-law Wade Hufford and fiancé Jan Gauthier, nephew Bryce, niece Celeste and her fiancé Matt Dean; sister-in-law Robin Hufford McKenny, brother-in-law Kevin McKenny, nephew Harrison and niece Claire.



Brian was an active member and strong supporter of the GSN for the excellent educational opportunities, professional contacts and close friends he had made through his years with the organization. To honor Brian's life, career and enthusiasm for mineral exploration, the Brian Morris Scholarship Fund has been established. Donations can be made to the GSN Foundation, Brian Morris Scholarship Fund, by check to 2175 Raggio Parkway, Reno, NV 89512 or <https://squareup.com/store/GSNV>



AIPG EXPLORATION ROUNDUP

Tuesday, December 11th

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

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

Companies Presenting

Barrick, Gold Standard, NuLegacy, Gold Resources,
Newmont, Silver Standard, Coeur

Meeting Sponsor: Boart-Longyear

\$60 AIPG/GSN Members/Spouses

\$70 Others (cash, check)

Mackay Students: Free

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

by December 7th, 5:00 p.m.

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

DIRECTIONS TO NEW RENO LOCATION FOR JANUARY 18th MEETING!!!

Directions to "Taps and Tanks" in Reno

To find in google or apple maps just key in Great Basin Brewing Company (Taps and Tanks). The address is 1155 So. Rock Blvd #490, Reno, NV 89502 but the entrance is actually on McCarran just south of Pembroke/Rock. If you are coming from I-80 take the E. McCarran Exit, Exit 19 and go south. Taps and Tanks will be on the west side of the road about 4 miles down. If you are coming from down south it is fastest to take Exit 61 for south Virginia Street then take Longley Lane (NE) to Rock Boulevard (East) then turn south onto S. McCarran Blvd. Taps and Tanks will be on the west side of the road. Doors will open at 6:00 pm as usual with dinner at 7:00 pm and talk will begin at 7:45 pm.



Imagery ©2018 Google, Map data ©2018 Google 1 mi

Activity Update

Mike Brady, October 2018

www.activityupdate.com

NEVADA

Coeur Mining Inc. announced that it acquired the Lincoln Hill, Wilco, Gold Ridge and other nearby properties from Alio Gold Inc. for \$19,000,000 in shares. (resource @ Lincoln Hill = 29,310,000 tonnes @ 0.40 gpt Au, 10 gpt Ag measured+indicated; @ Wilco = 114,100,000 tonnes @ 0.35 gpt Au, 3 gpt Ag measured+indicated) *Press Release:* October 16

Americas Silver Corp. and Pershing Gold Corp. announced that they would merge on a 0.715 share Americas/1.0 share Pershing Gold exchange basis. (resource @ Relief Canyon = 33,561,000 tonnes @ 0.68 gpt Au measured+indicated oxide) *Press Release:* September 30

Alio Gold Inc. announced that based on recent drill results at the Florida Canyon Mine, resources aggregate 56,206,000 tonnes @ 0.39 gpt Au measured+indicated and 508,000 tonnes @ 0.39 gpt Au inferred in the Central Pit; 37,083,000 tonnes @ 0.36 gpt Au measured+indicated and 473,000 tonnes @ 0.64 gpt Au inferred in the Main Pit; 7,439,000 tonnes @ 0.37 gpt Au measured+indicated and 155,000 tonnes @ 0.33 gpt Au at Jasperoid Hill and 32,147,000 tonnes @ 0.46 gpt Au measured+indicated and 271,000 tonnes @ 0.54 gpt Au inferred at Radio Towers. (was 76,000,000 tonnes @ 0.37 gpt Au measured+indicated and 6,400,000 tonnes @ 1.56 gpt Au inferred) *Press Release:* October 18

Radius Gold Inc. announced that it terminated its interest in the Spring Peak Property of Renaissance Gold Inc. *Press Release:* October 17

Coeur Explorations Inc. announced that it terminated its interest in the Cine Mountain Property of Renaissance Gold Inc. *Press Release:* October 17

Premier Gold Mines Ltd. announced that recent drill results at the McCoy-Cove Project include 638.6-643.1 meters @ 12.69 gpt Au, 3.2 gpt Ag (HE18-02); 541.8-547.9 meters @ 2.77 gpt Au, 199.2 gpt Ag (PB18-02) and 349.9-395.9 meters @ 0.84 gpt Au, 0.3 gpt Ag (PB18-07). (resource = 614,000 tonnes @ 11.57

gpt Au indicated) *Press Release:* October 2

Nevada Copper Corp. announced that recent drill results at the Pumpkin Hollow Open Pit Project include 196.5-210.9 meters @ 0.53% Cu, 0.02 gpt Au (NC18-21); 175.7-188.0 meters @ 4.12% Cu, 0.13 gpt Au (NC18-22); 150.0-188.4 meters @ 0.71% Cu, 0.05 gpt Au (NC18-23) and 156.0-161.4 meters @ 0.32% Cu, 0.01 gpt Au (NC18-24). (reserve = 134,900,000 tonnes @ 0.50% Cu, 0.10 gpt Au proven+probable open pit) *Press Release:* September 24

Gold Standard Ventures Corp. announced that recent drill results at the Dark Star Project include 17.4-231.1 meters @ 2.52 gpt Au (DC18-22) and 38.1-201.2 meters @ 1.24 gpt Au (DR18-106). (resource = 15,380,000 tonnes @ 0.54 gpt Au measured+indicated) *Press Release:* October 16

General Moly Inc. announced that recent drill results at the Mt. Hope SE Project include 23.16-38.4 meters @ 8.72% Zn (MH-251); 30.78-39.93 meters @ 3.93% Zn (MH-252) and 23.16-39.93 meters @ 4.61% Zn (MH-253). *Press Release:* October 16

Corvus Gold Inc. announced that recent drill results at the Mother Lode Project include 211.84-220.98 meters @ 0.33 gpt Au (ML18-082); 295.66-301.75 meters @ 0.32 gpt Au (ML18-083) and 233.17-239.27 meters @ 0.79 gpt Au (ML18-084). (resource = 13,226,000 tonnes @ 1.72 gpt Au measured+indicated) *Press Release:* October 17

Brownstone Ventures (US) Inc. announced that it acquired an option to purchase the Silver King Property from Canarc Resources Corp. for \$120,000 cash over 10 years. *Press Release:*



It's official: geology rocks

Reprinted from <https://www.theguardian.com/education/2008/sep/11/geology.students>, by Jessica Sheppard

(Yes it's 10 years old and from the UK but I thought it was an interesting and fun read for the holidays!)

A total of 95% of geologists in a poll of 220,000 students said they were happy with their degree. Why?

Students on geology courses are the happiest with their degrees, while those on cinematics and photography courses are the least content, today's national student survey shows.

Some 95% of geologists quizzed in the poll of nearly 220,000 students studying all subjects at UK universities and colleges were satisfied with their courses. Only 67% of the photographers were.

It couldn't be anything to do with the geologists' annual two-week field trip to Spain or the Arran Islands to collect water and soil samples, could it?

"That's just one reason geology came top," says Paul Nathanail, professor of engineering geology at the University of Nottingham.

It is a hands-on, practical subject. Geologists can often be found with a hammer in one hand and a bottle of hydrochloric acid and compass in the other, he says.

But geology also gives students, at an early stage in their studies, the chance to be part of cutting-edge science.

"If a student sees a new rock, they can begin to challenge the established way of thinking," he says.

In the last 50 years geology has come into its own, says Dr Ian Sutton, a former geology lecturer at Nottingham.

Developments in the theory of plate tectonics – how the earth's crust moves - have made it a very exciting subject to study, he says.

Plus it has real application for today, with students being sent on assignments to think up ways to prevent floods and earthquakes.

But equally practical, surely, is cinematics and photography, which came bottom of the student satisfaction table. Most of the creative arts were a long way short of 90% or more satisfaction too: design studies came third last with 71% and fine art came fifth with 74%.

Are creative types just more critical?

Chris Owen, assistant dean of the school of art and design at the University of Derby, says the art and design community is baffled by why students rate their courses lower than other subjects. It has commissioned research, which as yet is "inconclusive" on the issue, he says.

"We know that art and design students receive more individual feedback than most subjects, perhaps it's a matter of managing expectations," he says.

Music did better with 81%, but was still lower than most of the languages and sciences.

Professor Jonathan Freeman-Attwood, principal of the Royal Academy of Music, is surprised music isn't higher up the table.

His institution came second overall for student satisfaction, so it would make more sense for music, across all universities and colleges, to bag the top spots too.

Then again, he says, "music is a collaborative discipline which relies on practical delivery and this is either good or bad".

"It's also a very hard profession to break into and therefore musicians battle against self-doubt, stress and strain."

Other subjects which received less good ratings were business and administrative studies - second bottom in the table at 69% satisfied - and maritime technology - fourth bottom at 72% satisfied.

Meanwhile, Eastern, Asian and African languages with area studies, molecular biology, biophysics and biochemistry and comparative literary studies were hot on the heels of geology, with just under 95% satisfied.



*Alum Bay, famous for its varied coloured sand cliffs near The Needles, Isle of Wight, England.
Photograph: Richard Sowersby/Rex*



NPGS Christmas Party Friday, December 14, 2018

Because there is a limited capacity for this event, we recommend advanced registration.

[Click here to register online](#) and reserve your seat.

Nevada Petroleum and Geothermal Society
NPGS 2018 Christmas Party
Dec 14 2018, 06:30 PM to 09:30 PM
Tamarack Junction, 13101 S. Virginia St., Reno, NV
[Click here for event information](#)

For further information contact:
Nevada Petroleum and Geothermal Society
Phone: (775) 800-1862
Email: karenloomis1@gmail.com
<http://www.nbmq.unr.edu/nps>

AEG Holiday Party & Fund Raiser – Thursday, December 13

TOPIC: "Overview of NBMG & Dynamic Geologic Landscapes" **Why is Nevada in Hot Water? Living on the Edge in a Rapidly Evolving Landscape**

SPEAKER: Dr. James E. Faulds, Director & State Geologist, NV Bureau of Mines & Geology

LOCATION: SURE STAY PLUS HOTEL BY BEST WESTERN
1981 TERMINAL WAY, RENO, NV 89502

TIME: SOCIAL: 5:15 PM, DINNER: 6:00 PM, TALK: 7:00 PM

COST: Members: \$27.00, Non-Members: \$30.00, Students: \$20.00
(First three students to register will be comped.)

**RSVP NO LATER THAN 5 PM, TUESDAY, DECEMBER 11,
TO: Merrily Graham at: mkgraham75@gmail.com**

OTHER UPCOMING EVENTS

2-7 December 2018 American Exploration & Mining Association Annual Meeting “Challenges, Problems, Solutions”. Spokane Convention Center, Spokane, WA. Click the link for more information and to get registered: <https://www.miningamerica.org/2018-annual-meeting/>

4 December: Arizona Geological Society. Sheraton, 5151 E Grant Rd. (& Rosemont), Tucson AZ 85712. **Speaker: David (Duff) Gold, PA State Emeritus Professor. Title: Deep-seated Volcanism and the Genesis of Diamonds.** **Registration closes at 11am on the Friday Prior to the Date of the Event.** More information and online registration: <https://arizonageologicalsoc.org/event-3005945>

11 December 2018 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. (see page 12 too)

13 December: AEG—Great Basin Section Holiday Party. Speaker: Jim Faulds, Director, NBMG. Title: “Overview of NBMG & Dynamic Geologic Landscapes”. Location: Sure Stay Plus, Best Western, 1981 Terminal, Reno NV. Drinks @ 5:15 pm; Dinner @ 6:00 pm; Talk @ 7:00 pm. Please contact Merrily Graham for more information or to RSVP for dinner: [Merrily Graham <mkgraham75@gmail.com>](mailto:mkgraham75@gmail.com)

14 December: Nevada Petroleum and Geothermal Society Christmas Party. White elephant gift exchange and raffle! LOCATION: Tamarack Junction, 13101 S. Virginia St., Reno, NV. Cocktail Reception 6:30 PM; Dinner Served at 7:15 PM.”. **RSVP By Monday, December 10th.** [Click here to register online](#) and reserve your seat. More details can be found here: [Click here for event information](#)

28-31 January: 2019 NWRA Annual Conference Week – Monday, January 28, 2019 to Thursday, January 31, 2019. Location: Atlantis Casino Resort Spa, 3800 South Virginia, Reno, NV 89502. ~ Water Rights Class ~ Advanced Water Rights Class ~ MIKE SHE Workshop ~ FEFLOW Workshop ~ & ~ Capturing Evaporation from Nevada Pit Lakes Luncheon & Discussion. Go to www.nvwra.org/2019-ac-week to register & for hotel information or call Tina Triplett at 775-473-5473 or creativerno@charter.net.



28-29, January: 2019 NWRA Mine Water Management Symposium – Monday, January 28, 2019 beginning at 8:30 a.m. - Tuesday, January 29, 2019, ending at 2:00 p.m. Location: Atlantis Casino Resort Spa, 3800 South Virginia, Reno, NV 89502. ~Six sessions covering many topics ~ Networking ~ Exhibitors ~ & lots more. Go to www.nvwra.org/2019-symposium to register & for hotel information or call Tina Triplett at 775-473-5473 or creativerno@charter.net.

29-31, January: 2019 NWRA Annual Conference – Tuesday, January 29, 2019, beginning at 3:00 p.m. – Thursday, January 31, 2019 ending at 3:30 p.m. Location: Atlantis Casino Resort Spa, 3800 South Virginia, Reno, NV 89502. ~ 11 panels and technical sessions ~ Networking Reception ~ Student & Technical Posters ~ Exhibitors ~ & even Yoga. Go to www.nvwra.org/2019-ac-program to register & for hotel information or call Tina Triplett at 775-473-5473 or creativerno@charter.net.



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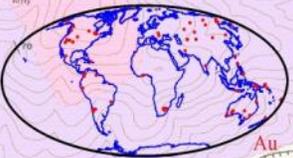
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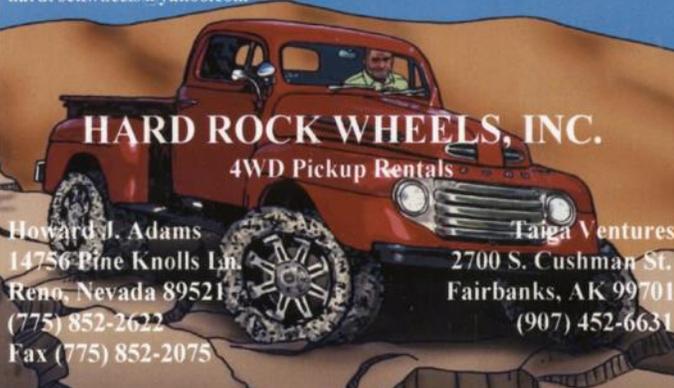
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A VERY MERRY CHRISTMAS and Happy New Year!

TRAVELING GSN BACKPACK PHOTOS

(Please submit your backpack photos at any time!)

GSN Member, Lane Griffin, admiring the ancient statuary with his GSN backpack at the 'Royal Wall' of a lodging establishment within the Lacus Magna.

