

GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Geological Society of Nevada, 2175 Raggio Parkway, Reno, NV 89512 (775) 323-3500 - Hours Monday -- Friday, 10 a.m. to 5 p.m. Website: www.gsnv.org • E-mail: gsn@gsnv.org



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Published monthly except June and July

The GSN Winnemucca Chapter Holiday Party & Silent Auction

fundraiser will be held at the Martin Hotel, 94 W. Railroad St. SPEAKER: Pooja Sheevam, UNR Grad Student. TITLE: Ex-

panding Hawaii's Geothermal Resource Characterization

GSN WINNEMUCCA CHAPTER HOLIDAY PARTY/FUNDRAISER

through Alteration Mineral Analysis of the PTA, KMA and Lanai Drill Cores, Hawaii, USA. SPONSOR: TIMBERLINE DRILLING.

For more information, please contact Chapter President, Kris Alva-



GSN HOLIDAY PARTY AND FUNDRAISER

rez at: kalvarez@i80gold.com. Details on page 6.

The GSN Foundation Holiday Party, Raffle & Silent Auction fundraiser will be at the ATLANTIS CASINO this year! GUEST SPEAK-ER: Tami Force. TOPIC: Little-Known Ghost Towns of Nevada and Long-forgotten Stories of the People Who Lived There. SPONSOR: ENVIROTECH DRILLING, LLC. Dinner cost is \$70 per person. Raffle tickets are \$1 each. Please register for dinner online by clicking the link: **DINNER RESERVATION** or RSVP to Laura Ruud: gsn@gsnv.org. PLEASE Register or RSVP by FRI-DAY, DECEMBER 13TH! Details on page 3.

DEC. 19, 2024 THURSDAY



GSN ELKO CHAPTER HOLIDAY PARTY AND FUNDRAISER

The GSN Elko Chapter will hold their Basque-themed holiday party at the Western Folklife Center, 501 Railroad St. Elko, NV. Enjoy a Basque dinner and Basque entertainment. PARTY SPONSORS: BOART LONGYEAR & LEGARZA EXPLORATION. Please contact Elko President, Ajeet Milliard Ajeet@megllc.net for more information. Party & Auction donation details on page 8.

GSN DECEMBER HOLIDAY PARTY SPONSOR



Also thanks to Legacy Drilling for sponsoring the carving station at the Reno Party!



FROM THE PRESIDENT—DECEMBER 2024 Patty Capistrant GSN President June 1, 2024-May 31, 2025



As 2024 draws to a close, I want to take this opportunity to reflect on what has been yet another incredible year for the Geological Society of Nevada. This year we had a robust group of volunteers that helped to pull off two field trips to Nevada's mineral-rich landscapes: the Bodie Hills in the Spring; and NW Nevada and NE California in the Fall. These bi-annual field trips are highlights of each year, and I know the GSN membership looks forward to more to come!

Our monthly meetings were also a highlight of 2024 with geologists speaking about lithium brines, gold and copper targets in Idaho, and soil science. We welcomed back Doug Silver at his namesake August talk series, and we hosted a student poster night to reminisce about how painful grad school was. We even hosted geology celebrities, Moira Smith and Richard Goldfarb!

As we move into 2025, the talks continue with Jim Faulds speaking in Reno on the geologic history of Nevada in January. Additionally, we aim to further our mission of supporting geological education and discovery by hosting a student poster night once again in April.

On behalf of the GSN, I want to express my heartfelt gratitude to all of our members, sponsors, and volunteers who make our society great. Your passion and dedication fuel the GSN's success and inspire us to aim higher every year. I look forward to celebrating with everyone at the coming Holiday Party, where Tami Force will be regaling us with stories from Nevada ghost towns: the moments behind the metals, so to speak.

Here's to a prosperous, geology-filled 2025!

Warm regards,

Patty



Christian Thomas hiking around Hachita, New Mexico.



Peter O'Byrne doing the dirty work after all the dirty work is done.



Gesticulating geos in the Beatty area, photo by Paul Fix

GSN wishes to thank our NOVEMBER MEETING sponsors in Reno, Elko and Winnemucca!







GSN HOLIDAY MEETING in RENO, NEVADA WEDNESDAY, DECEMBER 18, 2024

GUEST SPEAKER: Tami Force

TOPIC: Little-Known Ghost Towns of Nevada and Long-Forgotten Stories of the People Who Lived There.

Sponsor: ENVIROTECH DRILLING, LLC

TIME: Drinks @ 6:00 pm, Dinner @ 6:30 pm, Talk @ 7:30 pm

WHERE: Atlantis Hotel, Paradise Ballrooms, 3800 S. Virginia St.

DINNER COST: \$70. Please RSVP online by 5 PM on FRIDAY, December 13th at: <u>DINNER RESERVATION</u> (and raffle tickets too!)

Abstract:

Nevada has over six hundred ghost towns. In addition, there were thousands of mining camps, stage and railroad stations and mines across the Silver State.

Visitors and history focus on a handful of ghost towns, such as Berlin, Rhyolite and Belmont. Explorers and historians have forgotten the smaller sites, their ruins and history hidden for over a century in the Nevada desert.

The tales of the lesser-known ghost towns often put the authors of dime novels to shame. Each story is unique, showing that sometimes, truth is stranger than fiction.

Why did a couple give up a comfortable life with all the modern conveniences in Tonopah to live under a rock?

Why was the railroad station stop of Palisade known as the "Roughest, toughest town west of Chicago," with a host of violent acts, including bank robberies, brawls, shootouts, posses on the hunt, massacres, scalpings and hangings?

What were Nevada's original Sin Cities? How does Luna, the moon goddess, relate to Old Leo's lost treasure?

What creative mode of transportation did the "Hermit of McKinney Tanks" use to try to reach the saloon to cure his cabin fever?

How did Tom Turkey vanish before becoming the centerpiece of Christmas dinner?

Interspersed with Nevada's unusual mining equipment, learn about these unusual ghost towns and the forgotten lives of those who lived in the Old West and made Nevada what it is today.

Speaker Bio:

Tami has explored Nevada and eastern Sierra ghost towns and mining camps for 25 years. Since 2020, she has actively shared her love of ghost towns through Nevada Ghost Towns & Beyond, Radio Goldfield and publications, including Nevada Magazine.

Her specialties are the little-known ghost towns and long-forgotten stories of life in the Old West.

Tami has a BS in psychology and sociology and a master's degree in social work. She is a licensed therapist and taught courses about people, families, and communities at Western Nevada College.

She presents to various historical societies and works with non-profit groups to preserve Nevada's historical resources. Raised in Idaho, she lives on the family's 4th generation Carson Valley ranch.





"FACES OF GSN"

Scott Werschky, Reno, Nevada

One would think that an avid rock climber with a keen interest in science and nature would naturally become a geologist. It turns out to be true, but for me it was a circuitous route. From the time I was in middle school, I wanted to be a marine biologist. Having no ocean in Colorado, I devised a plan to do the instate university track for the prerequisites, and then transfer to either Scripps Institute or Woods Hole. Since Boulder is situated next to many of the best climbing spots in Colorado, off I went to the University of Colorado. I declared a Pre-Med major just to keep my options open. In the quest for good GPA, it turns out that theoretical A grades in climbing, mountaineering, and back country skiing do not offset a C in chemistry, so a new major was needed. A close friend was studying economics, so I did the same. An intro to geology class taken as an elective was taught by a truly gifted professor, and my interest in geology began. I started taking more geology classes for fun. Fast forward to my senior year, and I found myself 6 hours away from graduating with a degree in economics and looking into the job prospects. Most of my friends were looking at jobs in banks or as actuarial consultants. The thought of being stuck in a cubicle was abhorrent, so I stayed in school a bit longer and picked up a double major in geology and economics. Now the job prospects were equally confusing. I ended up with two good offers-one with Phillips Petroleum in Bartlesville, Oklahoma, and the other with the USGS in the Northern Cascades. Oklahoma...Cascades, guess where the climber in me decided to go? That job changed my life. Not only did the USGS ultimately force me into grad school and fund my thesis, but while working on an old Bear Creek porphyry play in the Cascades I found an exceptional mineral specimen (which of course being a geologist, I could not identify (a)). I took the rock back to the office where there was a mineralogist who was also a serious mineral collector. This random discovery of a scheelite on quartz prompted a life-long hobby of mineral collecting to go along with exploration.

The job with the USGS not only changed my life by developing a hobby, it was indirectly responsible for the best thing that ever happened to me - meeting Mary while I was in Graduate School. We met in 1981 and married after the field season in 1983. It's now been 41 years, although Mary says it's more like 21 years due to the traveling lifestyle.

Back to the career, I ended up leaving the USGS after grad school, and took a job with Anaconda. After a year of working as a temp, I was hired "permanently" in the Reno office. Immediately after accepting the job, ARCO divested Anaconda, and one of history's greatest mining companies ceased to exist. I like to think that I had nothing to do with the demise, but the timing was distressingly coincidental. After cleaning out my desk, I moved back to Colorado and spent the next several months working with my brother completely refurbishing a duplex originally built in 1890. We completed the project and rented the units just in time to accept a job with FMC working in Arizona in the cooler months, and then up to Montana and Idaho the rest of the year. I ended up on a great project near North Fork, Idaho. After drilling 100,000+ft I was certain the project would continue advancing so I started looking for property near Salmon. After finding a "dream" house right on the Salmon River, another opportunity presented, and I was transferred back to Reno, to work in Pacific District of FMC. The next several years were spent in the temperate rain forest of SE Alaska, alternating seasons with work in SE Oregon, Nevada, California, and Arizona.



Collecting gold underground at Fire Creek

The next phase of my career involved utilizing my Spanish which at the time I thought was pretty good; at least until I had to use it. After the new office was up and running, Mary and I moved the family down to Hermosillo, Sonora. Our oldest was 3 years old, and the baby was 2 months old when we packed up and headed south. FMC's HR department did a monumentally poor job in moving us, and we ended up living in a hotel for (cont. on page 5) S. Werschky, Faces of GSN (cont. from page 4)



Cave of the Swords, Naica mine, Chihuahua

about 6 months. Needless to say, Mary did not start out loving our international experience. After a couple of years, and better exploration results in Chile, FMC closed the Mexican office. We moved back to Reno, and I started working in Chile. I worked in Chile until FMC sold the gold company, and all the geologists were laid off. This was the major pivot in my career; I took my severance package and invested it in minerals, converting my avocation into vocation. I convinced Mary the new business was not a boondoggle, and also by promising that I would not be travelling as much as I did doing geology. Perhaps the total time gone may have decreased, but the number of trips certainly didn't. Extreme years found me with at least 6 domestic trips, 10 visits to Peru, 2 or 3 to Europe, 1 to Australia, and maybe a trip to China or Africa for good measure. I used to laugh at the old marketing campaign that said, "I did it for the miles".

It has now been 28 years of selling minerals as Miner's Lunchbox, Inc. It has been a good run, thanks in no small part to the members of GSN. I love the work, the minerals, and the friends I've made all over the world. My son Leighton joined the company after getting his geology degree at Mackay seven years ago. He is doing a great job of bringing us up into the 21st Century with changes in the market and technology. In fact, he is doing such a good job that I plan to hand over the reins and retire at the end of the year. Mary says nothing will change - that I will continue working (or is it playing) with minerals. I'll just do so without a salary ©.

So, you might ask "what happened to the Marine Biology"? Simple answer is life got in the way. That said, while you are reading this, I will be SCUBA diving in the Caribbean. What's wrong with having more than one avocation?



Exploration the old-fashioned way in the Maricunga of Chile, 1997





Bryce Canyon with our horses





Please join us for the Winnemucca GSN Holiday Party & Silent Auction <u>Thursday</u>, December 12, 2024 The Martin, 94 W. Railroad St., Winnemucca, NV

Food and Drinks at 6 pm; Talk at 7 pm

Speaker: Pooja Sheevam, UNR Grad Student (see page 7 for abstract & bio)

Title: Expanding Hawaii's Geothermal Resource Characterization through Alteration Mineral Analysis of the PTA, KMA and Lanai Drill Cores, Hawaii, USA

FOOD AND BEER SPONSOR:



We will be holding the raffle again this year, though we didn't advertise widely - if you have items to raffle, bring them by 5 and we'll set them up! The money goes to the Winnemucca Chapter.

Big thanks to Alex Davidson, VP of Exploration of Hycroft Mining. The talks was very well attended and we had some great side discussions regarding mining techniques for differing mineralization styles.





For more information, please contact Kris Alvarez at kalvarez@i80gold.com or 775-621-6195

Expanding Hawaii's Geothermal Resource Characterization through Alteration Mineral Analysis of the PTA, KMA and Lanai Drill Cores, Hawaii, USA

GSN Winnemucca | 12.12.2024



Understanding alteration is important for interpreting the geological history of a region. Alteration minerals allow us to interpret the environmental conditions that helped shape a geological resource or landscape. The type and distribution of alteration minerals within an aqueous system can provide information about past temperatures, fluid flow pathways, fluid chemistry, and rock properties important for exploration. In Hawaii, exploration drilling is scarce, and the documentation of hydrothermal alteration patterns from past drilling is insufficient. Through cores recovered from the Humu'ula Scientific Drilling Program and the Hawaii Playfairway, this work offers valuable insights into the alteration processes within basaltic rock. The combined analysis across all three cores will contribute to new ideas about the island's hydrology and geothermal resource potential.

Speaker Bio:

Pooja is currently a Ph.D. candidate at the University of Nevada, Reno, specializing in the application of infrared spectroscopy for geothermal and mining exploration, advocating for the use of the method in core characterization. Her expertise extends to in-situ spectral validation in the field, remote sensing, and laboratory and high-resolution spectroscopy. Her experience and background also encompass a variety of lab procedures and analytical methods, such as scanning electron microscopy and x-ray fluorescence, the use of Python for modeling, and the utilization of GIS programs such as ENVI and ArcGIS.

Pooja actively participates in her community. She has helped start and has served on the geoscience department Diversity, Equity, and Inclusion (DEI) committee, where she started a campaign to make field equipment accessible to undergraduate students. She has also served as president of the Geoscience Student Association (SAGE) and is the 2024 student chair on the Geothermal Rising Board of Directors. Pooja is also an advocate for renewable energy and mining education and policy and is a regular participant at Geothermal Hill Day in Washington, DC. Her outreach activities include helping Girl Scouts obtain STEM badges and helping high school students explore STEM careers through Nevada Bound. Pooja is a proud third-generation Rotarian and an active member of the local Homebrewer's Association club.





Please join us for the Elko GSN Holiday Party Thursday, December 18, 2024 Western Folklife Center, 501 Railroad St., Elko, NV Drinks and Appetizers at 6 pm; Talk at 7 pm

Happy Holidays from the Elko Chapter of the Geological Society of Nevada. Many thanks go to all who have helped it be a successful year of geologizing here in Elko! All of our sponsors, speakers, and picnic masters, you are all pretty fantastic folks and are appreciated.

As many know, we are in Basque country out here in Elko. So, for something a little different this year, we will have a Basque themed Holiday party with the silent auction of course. So, on Thursday, December 19th, head on down to the Western Folklife Center to bid on your favorite item(s) in the auction and enjoy a Basque meal and entertainment. The festivities will begin at 6:00 PM – dinner at 7:00 PM. While you are enjoying the holiday spirit, don't forget to thank our generous sponsors for the food, and merriment: Boart Longyear and Legarza are always quite generous for our holiday spirit(s) and we are grateful for them!

Finally, on the topic of the silent auction. If you have any donations to be made for the silent auction in Elko, please drop them off anytime during business hours at Rangefront Mining Services in Elko, on Railroad Street. When items are dropped off at Rangefront, please fill in your information and item description on the donation list for our reference! This will assist us in being sure no items are displaced. Thank you everyone and have a very happy holiday season!

FOOD & DRINKS SPONSORS:





If you have any questions, please contact GSN Elko Chapter President, Ajeet Milliard, ajeet@megllc.net







The winner of the 2027 Geological Society of Nevada Symposium Theme nomination is: Topic #5 Ore Deposits of the Great Basin –

Key to America's Mineral Independence

Congratulations to Jessica Bogossian for submitting the winning nomination!

Jessica, you've earned the \$200 cash prize—well done!

Thank-you to all who participated, its been fun to learn GSN members perspectives.

Next Up: The Symposium Logo Competition!

The next contest is for the Symposium logo, with another \$200 cash prize up for grabs. So sharpen those pencils, crayons, and get ready to submit your prize winning entry!

2027 GSN Symposium 27GSNS – November 2024 Update

Symposium Event Dates: Thursday 22 April to Saturday 1 May 2027 Location: The Nugget Casino, Reno Nevada USA

<u>News of the month</u>: A big congratulations to Jessica Bogossian on her winning theme topic for the 2027 Symposium. Below is a graph of the 55 Topic/Themes and the total number of votes received for each nomination according to the Survey Monkey instructions. Topic #5 Ore Deposits of the Great Basin - Key to America's Mineral Independence was the clear winner. Jessica please contact GSN administrator Laura Ruud to collect your \$200 cash prize proudly sponsored by the GSN.



Last meeting held: Monday 18 November 2024. Main topics discussed included the Theme-Topic Survey voting and the announcement, ratification of the Special Committee for the 2027 Symposium by the GSN Board of Directors, and nominations for Sub Committees and their leadership positions. The Symposium volunteers were requested to nominate their Sub-Committees of interest via a Survey Monkey survey by November 22nd and the Steering Committee will subsequently arrange the Sub Committee leadership positions prior to Christmas so these individuals can start to work on their Committees in Q1 2025. The Treasurer role will also be reviewed and nominated.

The GSN Board of Directors held their quarterly meeting on Friday 22nd November and did ratify the GSN Symposium Steering Committee as a Special Committee of GSN, and the Theme/Topic "Ore Deposits of the Great Basin - Key to America's Mineral Independence" was accepted and Symposium seed capital will be provided once the Treasurer position is filled.

Next 27GSNS meeting is scheduled: Monday 13th January 2025 4.00-5.00pm. There will be no meeting held in December 2024. The Steering Committee is looking for alternate conference rooms to rotate its' monthly meeting for in-person attendees, so if any GSN members have a suitable room complete with remote internet access and Zoom-visual-audio facilities, please kindly contact the Symposium GSN Secretary Christine Ballard on <u>Secretary@gsnsymposium.org</u>

Logo Competition: The Steering Committee will be opening the Symposium Logo design competition in December and a further \$200 will be up for grabs for the winner. So hop to those pencils, crayons and markers and create something of unique relevance to the Symposium Theme. We'll have some more fun with another round of GSN member voting and this time round hopefully get even more enthusiastic voters than the prior 118 GSN registered voters.

We wish everyone a wonderful Thanksgiving and Festive Season celebration.

All our best

From the 27GSNS Symposium Steering Committee

Regina Molloy – Chairperson - <u>chairperson@gsnsymposium.org</u> Mark Travis - Deputy Chairperson - <u>depchairperson@gsnsymposium.org</u> Christine Ballard – Secretary - <u>secretary@gsnsymposium.org</u> Treasurer - Vacant

Southern Nevada GSN Chapter – Proposed Revival in Beatty!

In the last few years Beatty has been "home" to a relatively small but growing number of geologists who have been working on the various metal exploration projects active in this area. A small group has recently expressed an interest in reviving the Southern Nevada GSN Chapter, which has been dormant for several years. The idea is to move the location from the "dormant" situation in Las Vegas to the more "active" situation in Beatty, with the extra thought that this location could also serve as a central drawing point for geos based in Tonopah, Goldfield, Las Vegas, etc. Meetings are tentatively planned to kick off in January/February 2025. Please stay tuned as we gear up for this effort and provide updates on our progress!

Feel free to reach out with any questions,

Elizabeth MacDonald

Email: liz_macdonald@outlook.com





REMINDER FROM THE FOUNDATION December, 2024



The annual holiday party and fundraiser, is approaching fast and is scheduled at the <u>Atlantis on Wed., December</u> <u>18th</u>. Thanks to all those who have already donated items to the Raffle & Silent Auction! We are still looking for more donations though. Items such as mineral specimens, gift baskets, wine, spirits, jewelry, rare books or maps, usable field gear, and clothing are all good ideas, but we do welcome any quality item that you think would be desirable to others. Paragon Geochemical has once again agreed to store donated items at their office in Sparks.

PARAGON GEOCHEMICAL: 1545 Industrial Way, Sparks, NV 89431. Hours for dropoff: 9AM to 3 PM See Carol Flores or Doug Hensen

This is the biggest fundraiser for the Foundation. Thank you!!











The mission of the GSN Foundation is to provide funding for the Geological Society of Nevada's philanthropic contributions around Nevada. This work is not possible without the donations GSNF receives throughout the year, during the holiday party fundraiser and from generous donations from our members. Thank you!!

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NEVADA BUREAU OF MINES & GEOLOGY NEWS



ineral Industries in Nevada's Economy

Simon Jowitt, CREG Director/NBMG Geologist let me know that the *2023 Minerals Industry of Nevada* report is now available for free online and he thought GSN members might be interested. Here is the link: <u>https://pubs.nbmg.unr.edu/The-Nevada-mineral-industry-2023-p/mi2023.htm</u>

Hard copies can also be purchased for \$20 via the same link!



 Title: The Nevada Mineral Industry 2023

 Author: Jowitt, S.M., Micander, R., Richards, M., Fisher, T., Reynolds, D., and Lu, C.

 Series: Nevada Mineral Industry

 Version: 2023

 Format: Spiral-bound; 96 pages; color

ALSO! *Major Mines of Nevada 2023* is available for free download at this link: https://pubs.nbmg.unr.edu/Major-mines-of-Nevada-2023-Mineral-industries-i-p/p035.htm

Title: Major Mines of Nevada 2023: Mineral Industries in Nevada's Economy Author: Rob Ghiglieri and Lucia Patterson (Nevada Division of Minerals) Year: 2024 Series: Pamphlet (Major Mines) Version: 35; Format: 34 pages

(Hardcopy is Coming Soon! It will be \$5 when available.)

OTHER UPCOMING EVENTS

December 1-6, 2024: AEMA Convention, Nugget Casino, Sparks, NV. GSN in Booth #314! <u>AEMA Convention</u> <u>Website</u>

<u>December 3, 2024</u> Arizona Geological Society Speaker Series 2024 via Zoom. Speaker: Stephen Reynolds, Arizona State University. Title: "Untangling the Stratigraphy of the Upper Paleozoic Supai and Naco Groups of the Mogollon Escarpment". More information and online registration here: <u>https://www.arizonageologicalsoc.org/event-5953654</u>. Remote Broadcast begins at 6:35 PM. For those unable to attend, here is the <u>URL Streaming Link</u>: Meeting ID: 337 630 628 054 and Passcode: E6Nu3i7m

December 5, 2024 Nevada Petroleum & Geothermal Society Holiday meeting, 13101 S. Virginia St., Reno, Nevada. Join us for the annual NPGS Holiday Meeting at Tamarack Casino! Bring a wrapped gift to participate in the holiday gift exchange (suggested value of ~\$25). In lieu of a technical talk, this meeting offers us a chance to celebrate the end of the year and catch up with our colleagues. Join us for drinks and dinner to close out the year. Party starts at 6:30 pm. Registration Here: <u>https://npgs.clubexpress.com/content.aspx?</u> page_id=4091&club_id=595979&item_id=2451568

<u>December 16, 2024</u> SME Northern Nevada Holiday Party, Circus Circus Mandalay Room, Reno, NV. Drinks 6 pm, Dinner 6:45 pm, Talk 7:30 pm. Speaker: Baker Perry. Title: TBA. Sponsor: Kappes, Cassiday & Assoc. Email: <u>NNevSME@gmail.com</u> Please email us for details. Register for the party: <u>NNVSME Website</u>

December 10, 2024: AIPG Exploration Roundup, 6:00 PM to 9:30 PM Atlantis Hotel, Reno, NV.

December 12, 2024: GSN Winnemucca Chapter Holiday Party, Auction Fundraiser, The Martin Hotel, Winnemucca, NV.

December 18, 2024: GSN Foundation Fundraiser Holiday Party, Auction and Raffle. Atlantis Casino, Reno, NV.

December 19, 2024: GSN Elko Chapter Christmas Party Auction Fundraiser, Western Folklife Center, Elko, NV.

HAVE YOU RESERVED AD SPACE IN THE GSN 2025 MEMBERSHIP DIRECTORY YET?

The annual GSN 2025 Membership Directory will be coming together in the next month or two which means it's time to submit an ad! The GSN mails the directories to over 800 members each January. For many geologists, the directory is a quick resource to find current contact information for over 1,200 GSN members including friends, colleagues, service companies, students, government officials, etc.

Advertising in the directory is a terrific way to maximize your exposure in the community and help support the Geological Society of Nevada! The black & white ads appear in the "Gold Pages" and are are available in four sizes: Business Card for \$50, 1/4 page for \$150; 1/2 page for \$300, and a full page for \$450.

Purchase your ad here now and thank you in advance for supporting the GSN through your advertising!

PURCHASE AD by DEC. 6th!



NBMG'S Nevada Geology Calendar 2025 is available to order now!

Coming Soon! This 12-month calendar (January through December 2025) is full of beautiful photos highlighting Nevada's scenic wonders and features a different geologic topic each month.

PREORDER PRICE IS \$10 UNTIL DECEMBER 13TH 2024!

https://pubs.nbmg.unr.edu/Nevada-geology-calendar-2025-p/cal2025.htm

The price after December 13th is \$12 each. Quantity discounts are available (see website for details). These beautiful calendars make great Christmas presents for your family, friends, office or your favorite geologist! Gift-wrapping is available for \$2 and can be ordered at checkout.



(Note: GSN does not sell these. 😳)

Mining Activity Update OCTOBER 2024, Mike Brady <u>LMBrady@aol.com</u>

NEVADA

Minaurum Gold Inc. announced that it acquired the Lone Mountain Property from Nevada Zinc Corp. for \$216,900 cash and \$1,000,000 in shares. (resource= 3,250,000 tonnes @ 7.57% Zn, 0.7% Pb inferred) *Press Release*: October 2

Scorpio Gold Corp. announced that recent drill results at the Manhattan Project include 2.1-5.5 meters @ 2.10 gpt Au (24MN-04); 14.9-23.2 meters @ 0.49 gpt Au (24MN-05); 141.7-146.1 meters @ 2.78 gpt Au (24MN-06) and 167.9-177.4 meters @ 6.08 gpt Au (24MN-07). *Press Release:* October 24

Western Exploration Inc. announced that recent drill results at the Aura/Gravel Creek Project include 543.89-547.58 meters @ 16.66 gpt Au, 458.6 gpt Ag (WGC459). (resource @ Gravel Creek = 1,315,000 tonnes @ 4.73 gpt Au, 75 gpt Ag indicated) *Press Release:* October 7

Lithium Americas Corp. announced that General Motors Holding LLC. agreed to contribute \$625,000,000 in cash and \$195,000,000 as a letter of credit in order to further develop the Thacker Pass Project in exchange for a 38% interest in the property. (reserve = 217,300,000 tonnes @ 0.68% Li2O proven+probable) W.S.J.: October 17

Nevada King Gold Corp. announced that recent drill results at the Atlanta Project include 218.0-324.7 meters @ 3.95 gpt Au, 58.7 gpt Ag (AT23WS-44C); 301.8-332.4 meters @ 3.01 gpt Au, 18.5 gpt Ag (AT23WS-46) and 213.4-336.9 meters @ 2.29 gpt Au, 23.0 gpt Ag (AT23WS-52). (resource = 11,000,000 tonnes @ 1.3 gpt Au measured+indicated) *Press Release:* October 23

Ioneer Ltd. announced that the Bureau of Land Management approved it Rhyolite Ridge Mine development plan, thereby releasing a \$700,000,000 loan from the US Department of Energy and a \$490,000,000 equity investment from Sibanye Stillwater Ltd. (reserve = 60,200,000 tonnes @ 0.387% Li2O, 1.54% B proven+probable) *Press Release:* October 25 Hycroft Mining Holding Corp. announced that recent drill results at the Hycroft/Brimstone Project include 0-23.8 meters @ 0.29 gpt Au, 10.8 gpt Ag (H24D-6003); 0-18.6 meters @ 0.63 gpt Au, 24.6 gpt Ag (H24D-6004); 458.6-474.0 meters @ 0.45 gpt Au, 12.8 gpt Ag (H24D-6008) and 0-16.2 meters @ 0.38 gpt Au, 54.9 gpt Ag (H24D-6009). (reserve = 669,680,000 tonnes @ 0.34 gpt Au, 14 gpt Ag proven+probable) *Press Release:* October 24

Hycroft Mining Holding Corp. announced that recent drill results at the Hycroft/Vortex Project include 71.75-102.26 meters @ 0.64 gpt Au, 13.8 gpt Ag (H24D -6000); 189.31-224.58 meters @ 1.07 gpt Au, 16.8 gpt Ag (H24D-6001); 357.2-458.18 meters @ 0.38 gpt Au, 100.6 gpt Ag (H24D-6002) and 254.4-476.9 meters @ 0.45 gpt Au, 32.4 gpt Ag (H24D-6005). *Press Release:* October 3

Lahontan Gold Corp. announced that based on recent drill results at the Santa Fe Project, resources aggregate 48,393,000 tonnes @ 0.92 gpt Au, 7.2 gpt Ag indicated and 16,760,000 tonnes @ 0.74 gpt Au, 3.2 gpt Ag inferred. (no previous data) *Press Release:* October 15

Mach Metals Australia Pty. Ltd. announced that it acquired Rex Minerals Ltd. for \$268,100,000 in shares. (resource @ Hog Ranch = 35,000,000 tonnes @ 0.49 gpt Au indicated oxide) *Press Release:* October 10

Blackrock Silver Corp. announced that recent drill results at the Tonopah West Project include 367.29-369.27 meters @ 174 gpt Ag, 0.84 gpt Au (TXC24-80); 172.21-174.8 meters @ 1,921 gpt Ag, 20.26 gpt Au (TXC24-87); 161.85-162.92 meters @ 436 gpt Ag, 5.11 gpt Au (TXC24-90) and 145.7-149.05 meters @ 470.6 gpt Ag, 5.36 gpt Au (TXC24-92). (resource = 6,119,000 tonnes @ 2.9 gpt Au, 242.6 gpt Ag inferred) *Press Release:* October 15

Nevada Lithium Resources Inc. announced that recent drill results at the Bonnie Claire Project include 44.8-124.1 meters @ 0.091% Li, 0.27% B (BC2402C) and 453.2-867.8 meters @ 0.302% Li, 0.90% B (BC2402C.). (resource = 3,047,000,000 tonnes @ 0.217% Li2O inferred) *Press Release*: October 1



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