



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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SEPT. 11, 2024 WEDNESDAY

GSN WINNEMUCCA CHAPTER

The GSN Winnemucca Chapter meeting will be held at the Martin Hotel, 94 W. Railroad St. **SPEAKER: McLain Pray, DGI Geoscience.** **TITLE: "Exploring Within: Downhole Geoscientific Surveys in the Great Basin and Beyond".** **SPONSOR: DGI GEO-SCIENCE.** For more information, please contact Chapter President, Kris Alvarez at: kalvarez@i80gold.com. Details on page 6.

SEPT. 19, 2024 THURSDAY

GSN ELKO CHAPTER

The GSN Elko Chapter will hold their meeting at the Western Folklife Center, 501 Railroad St. Elko. **SPEAKER: Chris Longton, Hercules Metals.** **Title: "Hercules Metals, A update on a Copper Porphyry Discovery in a Historic Silver District".** **SPONSOR: MAJOR DRILLING.** Please contact Elko President, Ajeet Milliard Ajeet@megllc.net for more information. Details on page 7.

SEPT. 20, 2024 FRIDAY

GSN REGULAR MEMBERSHIP MEETING

The GSN meeting will be held at the Atlantis Hotel & Casino, Reno, NV. **SPEAKER: Dan Pace, Chief Geologist, Revival Gold** **TITLE: "The Beartrack Arnett Project in the Idaho Orogenic Belt: New Insights from Regional Datasets".** **SPONSOR: BOART LONGYEAR.** Dinner cost is \$60. Please register for dinner online or RSVP at this link: [RSVP/DINNER](#) Details on pg. 3. **PLEASE RSVP BY 5 PM ON MONDAY, SEPTEMBER 16th.**

OCT 11-13, 2024 FRI, SAT. & SUN

GSN FALL 2024 FIELD TRIP

This trip will be touring the Hog Ranch mine on Saturday, over-nighting in Alturas, CA, then touring Hayden Hill on Sunday. See page 8 for more information. REGISTRATION open SOON!

OCT. 26, 2024 SATURDAY

4TH ANNUAL BRIAN MORRIS TRAPSHOOT FUNDRAISER

2-Buddy Shoot at the Winnemucca Trap Club. See page 9 for more details. [REGISTER or DONATE HERE!](#)

GSN SEPTEMBER RENO MEETING SPONSOR



BOART LONGYEAR™

FROM THE PRESIDENT—SEPTEMBER 2024
Patty Capistrant
GSN President June 2024-May 2025



Dear GSN Members,

I recently read an article in the July edition of *SEG Discovery* entitled, “Hope is Not an Exploration Strategy: The Risk of Over-Optimism in Mineral Exploration”. In the article, author Russell Meares emphasizes that while optimism is a vital trait for explorers, it must be balanced with a dose of Kenny Rogers-level realism, “know when to hold ‘em, know when to fold ‘em”. In another analogy, Meares compares finding an ore deposit to finding a needle in a haystack; except that “almost all of the haystacks we are exploring do not contain needles”. And while I theoretically agree with this perspective, my practical experience in Nevada suggests that there are more needles in our haystacks than we might expect! Consider the recent epithermal discoveries at AGA’s Silicon and Headwater’s Spring Peak project, both of which resulted from new deep drilling. Additionally, Ridgeline’s re-framing of their Selena project from a Carlin-style gold target to a CRD recently led to a joint venture with South32. These projects had all been previously explored, and previous workers may have even thought of them as dogs, but OPTIMISM spurred the renewed exploration that resulted in discovery. The truth is we can never fully know if a haystack holds a needle. But, to paraphrase Fredrick Graybeal, the first look does not always have the last word: re-map, re-log, and re-discover unrecognized ore deposits.

In other news, August was a busy month for the GSN. The 2027 Symposium is gaining momentum, with Regina Molloy stepping up as Chair of the Symposium Committee! Regina brings a clear vision for the event and will represent the GSN well as the conference takes shape. Joining her are Mark Travis as Co-Chair and Christine Ballard as Secretary. A heartfelt thank you to all of you! If you are interested in helping with the 2027 GSN Symposium, please see Regina’s note on page 9.

August also saw the 22nd Annual Silver Series, with namesake speaker Doug Silver at the helm. Doug’s talk on the “5 Most Important Things Going on in the Minerals Industry” was both engaging and informative, and also flush with important graphs! If you attended the talk and would like a copy of the presentation, please email Laura Ruud. A big thank you goes out to Dan Kappes for hosting over 170 attendees this year, and to our sponsors: KCA, RESPEC, MRC Recruiting, and Geotemps, Inc.!

Looking ahead to September, it is set to be another busy month, with a nod to our colleagues in Idaho. Chief Geologist Dan Pace will speak at the GSN General Meeting about recent work at Revival Gold’s Beartrack-Arnett project. Check out the abstract for his talk on page 3. In Winnemucca, the speaker this month will be shining a light on downhole imaging and geophysical methods available to geologists. And in Elko, don’t miss Chris Longton, who will be discussing Hercules Metals Corp’s recent discovery at the Leviathan Cu porphyry. We hope to see you at one, or all, of these events!

References

Graybeal, F.T., January 2022, *Aspects of Mineral Exploration Thinking*, *SEG Discovery*, No. 128, pp. 24-35.

Meares, R., July 2024, *Hope is Not an Exploration Strategy: The Risk of Over-Optimism in Mineral Exploration*, *SEG Discovery*, No. 138, pp. 59-60.



A few animals from the field season: a Nevada horned toad enjoying the view from on high, and a desert tortoise (with sharpie for scale) finding some hot summer shade in southern Nevada.

GSN MEETING in RENO—FRIDAY, SEPTEMBER 20, 2024

GUEST SPEAKER: DAN PACE, Chief Geologist, [Revival Gold](#)

TITLE: “The Beartrack Arnett Project in the Idaho Orogenic Belt: New Insights from Regional Datasets”

Sponsor: [BOART LONGYEAR](#)

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

WHERE: Atlantis Hotel & Casino, 3800 S. Virginia St., Reno, NV

DINNER COST: \$60. Please RSVP online by 5 PM on Monday, September 16th at: [DINNER RESERVATION](#)

Abstract:

The Beartrack-Arnett project in Lemhi County is one of several epizonal orogenic gold districts located in Idaho. Placer gold mineralization was first discovered in the district in 1867 down-stream from the Beartrack deposit. Placer miners worked through the Napias Creek and Arnett Creek drainages mining an estimated 400,00 to 600,000 ounces of gold. Canyon Resources explored up-stream of the placer workings in 1985 and identified multi-gram gold mineralization in quartz-veined granite and quartzites. Drilling commenced in 1987 on the anomaly and defined a northeast-striking corridor of mineralization where Meridian produced approximately 600,000 ounces from a heap leach operation mining three open pits from 1994 to 2000.

Revival Gold restarted exploration in the district in 2017 and has defined an updated Mineral Resource for both heap leach and mill material consisting of a Measured & Indicated Mineral Resource of 86.2 million tonnes at 0.87 g/T gold containing 2.42 million ounces of gold, and an Inferred Mineral Resource of 50.7 million tonnes at 1.34 g/T gold containing 2.19 million ounces of gold. The Inferred Mineral Resource includes an underground mill resource of 6.7 million tonnes averaging 4.05 g/tonne containing 877k ounces of gold at Beartrack. Recent work on other deposits in Idaho, along with regional studies in Lemhi County, provides an updated framework for the timing, tectonic setting, and genesis for orogenic gold deposits in the region. Regional geophysical surveys and geologic mapping have improved the understanding of the structures and stratigraphy that are key to mineralization in the district. Project-scale mapping and ground-based geophysical studies have built on the regional programs to develop an updated model for the Beartrack-Arnett gold deposits and refined additional exploration targets on the project. As we move past the time of following placer-gold trains to lode gold deposits, these studies are critical to developing new targets and potential zones of mineralization in an old district.

Bio:

Dan Pace is a geologist with a fifteen-year track record of project generation and ore deposit discovery. Mr. Pace joined the Revival Gold team in 2023 as Chief Geologist. Previously Mr. Pace served as Principal Geologist with Electra Battery Materials, VP, Exploration, with Orogen Royalties and as Exploration Manager at Renaissance Gold. Mr. Pace holds a BA in Geology from Colby College (2006) and completed a M.Sc. in Economic Geology at the University of Nevada (2009).

“FACES OF GSN”

Michael Barcia, Reno, Nevada

I was born in Sacramento, California, but grew up in the great Silver (and Gold!) State of Nevada. Throughout most of the year, I lived outside, exploring everything the Sierra Nevada mountains and the desert landscape of Nevada had to offer. I even spent countless hours attempting to dig a hole to the other side of the world into China. My geologic understanding at the time was a bit unrefined, to say the least. Anyone who has attempted to dig in Nevada or drill through the loose, poorly-sorted, unconsolidated basins of Nevada knows the struggle. Needless to say, I never made it that far; I never could penetrate a caliche layer. But I did develop a fondness for being close and connected with the earth.

I attended college at the University of Nevada, Reno. After exploring the various disciplines within the School of Engineering and looking for the right fit, I discovered Geological Engineering. I quickly realized geologists have more fun! I completed my undergraduate degree in Geological Engineering with a Business Administration minor. It was the perfect compromise. While not yet a complete geologist, the transformation had begun (out with the pocket protector and in with the flannel and facial hair).

The early years of my geology career consisted of a mix of operational experience at the Marigold Mine, but predominantly consisted of advanced-stage exploration projects across Nevada, starting with International Minerals, who owned the Goldfield and Converse properties at the time. As with most who have been in this business long enough, I experienced hostile corporation takeover attempts turn to friendly negotiated deals, and spin-off companies. In one of those processes, I managed a trip to Peru as the company's South American assets were separated from the US Nevada-based assets. After being hosted by some wonderful Peruvian geologists, attending a database course taught in Spanish (even though my Spanish is muy mal [very bad]), and completing the necessary work assignments, I flew my wife out, and we explored the amazing country of Peru.

International Minerals then spun off into Chaparral Gold and, not too long after, was acquired by a private equity firm, where I continued my career working for Elko Mining Group. During this time, I was blessed with the opportunity to work and learn under an excellent team of Geologists. I worked my way up to Senior Geologist. Eventually, the pints from the Great Basin Brewery and flannel outerwear removed the engineering title from my identification, "I went full geo!" I've enjoyed finding the many hidden gems across rural Nevada. Friends and family now know to contact me when looking for a good place to stop for a bite to eat while traveling across the empty vastness of Nevada. I am humbled by the challenges that this profession presents and proud to have worked with amazing people from diverse backgrounds, managed large and complex drilling programs, built elaborate geological models, and written 43-101 compliant technical reports. (cont. on pg. 5)



Figure 1: My wife, Brooke and I exploring the ruins of the Sacred Valley of the Incas on our way to Machu Picchu.

M. Barcia, Faces of GSN (cont. from pg. 4)

While proud of these accomplishments as a Geologist, one other passion was left undone and incomplete after working for Edward Jones in 2011. I recently found my way back to the industry and again work for Edward Jones as a Financial Advisor. The timing was right to make the switch to serve the community in a different capacity after experiencing firsthand the lack of financial services and education offered to the mining and geologic community. I built a business model to serve individuals and companies within our tight-knit industry. I look forward to continuing and growing relationships within this incredible community of geologic professionals.



Figure 2: In the core shed, looking for that unmistakable brilliance of visible gold within quartz-galena-sphalerite veins.



Figure 3: Family picture of my beautiful wife Brooke and our two kids, Sophie and Barrett.



ad designed with the help of AI

Please consider donating to the Student Field Trip Fund, which is nearly exhausted. Donations will allow the GSN to continue offering field trip experiences to the next generation of geoscientists. Donations* can be made here:

[Student Field Trip Fund](#)

*please note that Student Field Trip Fund donations are NOT tax deductible



GSN WINNEMUCCA CHAPTER NEWS



Please join us for the
Winnemucca GSN September Meeting

Wednesday, September 11, 2024

The Martin, 94 W. Railroad St.

Food and Drinks at 6 pm; Talk at 7 pm

(NOTE: The meetings will move to the 2nd Thursday starting in October!)

Speaker: McLain Pray, US Sales Lead, DGI Geoscience



Talk: *“Exploring Within: Downhole Geoscientific Surveys in the Great Basin and Beyond”*

FOOD AND BEER SPONSOR: DGI Geoscience



For more information on **DGI Geoscience** contact McLain Pray at:

jmpray@dgigeoscience.com

775-237-4586

dgigeoscience.com

ABSTRACT:

Diving in! Downhole Techniques to Maximize your Drilling

Dive down your boreholes and explore earth from the inside out. This talk will cover a variety of downhole geoscientific technologies and their applications in mineral and fluid exploration. We'll cover Televue and other structural imagers, geophysical, geochemical and hydrogeological probes, including new technologies such as downhole spectroscopy, radar and magnetic resonance. Each suite of probes will be accompanied by case studies, showing how the data is used and the value it provides.

BIO:

McLain has worked in downhole geophysics in the mineral exploration, oil & gas, and groundwater fields since 2012. He has served in field technician and business development roles for DGI Geoscience, which opened US offices in 2019. Before joining DGI, McLain was a geophysical log analyst for Schlumberger, and prior to that earned a Master's in Geology from the University of Michigan.

If you have any questions, contact Kris Alvarez at kalvarez@i80gold.com or 775-621-6195



GSN ELKO CHAPTER NEWS



Please join us for the first meeting of the fall.
Elko GSN September Meeting
Thursday, September 19, 2024
Western Folklife Center, 501 Railroad St., Elko, NV
Drinks and Appetizers at 6 pm; Talk at 7 pm

Speaker: Chris Longton, VP Exploration, Hercules Metals

Talk: “Hercules Metals, A update on a Copper Porphyry Discovery in a Historic Silver District”

FOOD AND DRINKS SPONSOR:
MAJOR DRILLING

MAJOR

Partners on the Ground

Abstract:

The Hercules Metals Project, located near Cambridge, ID in the historic Heath Mining District on Cuddy Mountain, was historically a silver-rich deposit with associated zinc, lead, and manganese. The area had been underexplored and was last mined in 1920 with minimal exploration through the 1980's. Ag-Zn-Pb veins sit in manganese-rich matrix in an oxidized Jurassic rhyolite sitting above Triassic Huntington volcanics. In addition to the Ag-Zn-Pb-Mn veins, the property has had historic copper mining and there is evidence of skarn mineralization, as well. In 2023 The Hercules Team discovered a porphyry copper deposit below known silver mineralization.

Hercules Silver acquired the project in 2021 and conducted initial field programs through 2022 including mapping, geochemical work (soils and rock sampling), and geophysical (IP) surveys culminating in a first phase drilling campaign late that year. The IP survey identified a significant chargeability anomaly at depth. In 2023 the company while conducting a 6,000m drilling program to explore for silver-zinc-lead-manganese near surface the company tested a deeper chargeability anomaly leading to the discovery of the Leviathan Porphyry. The company is currently undertaking a 20,000m drilling campaign to find high-grade centers and determine possible extents of the deposit.

This presentation will serve as an update on Hercules Metals discovery, will describe the mineralization and exploration methods employed, have a discussion of results to date, and look to the future of the project.

Speaker Bio

Mr. Longton is the Vice President, Exploration for Hercules Silver, Corp. A field Geologist at heart, he has experience from green-fields exploration to production on precious and base metals deposits throughout North America and Australia. His experience has led to him managing large-scale projects, most recently as the Senior Exploration Manager for Integra Resources' Delamar project in southern Idaho. Prior to Delamar, he provided senior geological support on several early to advanced development and production scale projects for various companies, most notably New Gold Inc. and Equinox Gold Corp.

SUMMER IN ELKO

Ajeet Milliard, Chapter President

Well it's done – another summer gone! We closed out the 2024 GSN Elko Summer BBQ Series with a singer put on by Rangefront Mining Services. It was a good showing with great food, tasty cold beverages, and a polar plunge! Thanks to all the folks at Rangefront for all you did to show the GSN community a good time. It was quite nice of the weather this year to cooperate with our plans and not rain or thunder over us once. (You can see some photos on pg. 8.)



We look forward now to moving the show indoors for the Fall-Winter speaker sessions. We start the show on September 19 at the Western Folklife Center with a scintillating talk from Hercules Metals on their copper project in Idaho. Please, come join us to have a couple beverages, a bit to eat and support our first speaker of the season. See you there!

2024 GSN Fall Field Trip Announcement

The GSN's 2024 Fall Field Trip will take place October 11th – 13th with visits to the Miocene, low-sulfidation, epithermal gold deposits of the past-producing Hog Ranch and Hayden Hill mines in northern Washoe County, NV, and Lassen County, CA, respectively. We plan to depart from the Gold Building at DRI in Reno during the afternoon on Friday the 11th with an overnight stay in Gerlach. On Saturday the 12th we will visit the Hog Ranch mine area, held by Rex Minerals Ltd., and traverse the Cottonwood Creek volcanic center/caldera(?) before heading to Alturas, CA for the night of the 12th. On Sunday the 13th we will visit the Hayden Hill mine of Four Nines Gold Inc. and then return to Reno.

Please join us for the first GSN trip to these interesting deposits in more than 30 years! Registration will open soon, so watch for an email with a link to sign up!



Photos from the Elko Chapter BBQ on August 15th:



Rangefront Grill Masters



Rangefront President, Brian Goss relaxing in the ice tub after a perfect cannonball.



Another Rangefront guy taking the ice challenge.



Even the kids were brave enough for the ice tub challenge. Nico Creel just chillaxing.

GSN Geological Symposium Update—27GSNS

The dates are set, and the next GSN Symposium will be held **Thursday 22 April to Saturday 1 May 2027**. The Symposium acronym will be **27GSNS** which is short for 2027 Geological Society Nevada Symposium. The agenda will comprise Talks, Short Courses, Exhibitors, Field Trips, Posters, Core Shacks and Social Events and will be held at the old faithful Nugget Casino Resort venue in Reno, Nevada USA.

The Symposium Committee is being formed and we are currently seeking a volunteer **Treasurer** whose role will be to manage budget forecasts and expenditure reconciliation (via a bookkeeper using Quick-Books software), financial reporting, co-ordination of expenditure and funds in and out of the Symposium bank account. **Ideally, we are looking for a GSN Member including from regional Nevada** who wants to be part of the Symposium Committee and who can promote the symposium in their regional area. If you think you'd like to apply but feel you don't have the necessary training or experience, don't worry our slam dunk successful and experienced Committee members will help coach you into the role so you too can celebrate your contribution in the success of the Symposium design and implementation. It is a wonderful networking opportunity and will help interested incumbents professionally connect with a wide range of geologists both inside and outside Nevada.

The Symposium Committee will be seeking feedback on the topic/theme for the 2027 Symposium and will continue to feed information to the GSN members via the monthly GSN newsletter until the GSN Symposium website and other administrative tasks are put in place. Stay tuned as we'll also be providing some fun competitions and prizes along the way. We are very much looking forward to serving and engaging with GSN Team Nevada!

The volunteer Symposium Committee members are summarized below.



Regina Molloy has taken on the Chairperson role as the fearless leader for the 2027 GSN Symposium. Regina is a mineral exploration consultant based in Reno, Nevada. Regina has 30 years geological experience in the cradle to grave value chain of mining including early-stage exploration, mineral resources, mine development, underground and open cut mining. Regina has worked in a variety of roles including international senior assignments for the world's largest mining company BHP, down to basic field programs for the world's smallest ASX and TSX listed mineral exploration 'junior' companies as well as private investors. Regina has completed technical work in a wide range of minerals and

bulk commodities spanning four continents, however the geological task that Regina loves best is field mapping in the spring, she still thinks it's fabulous that as a geologist you get paid to bush walk, look at rocks and flowers all day long. Climbing hills and collecting interesting looking rocks is Regina's love since her early childhood. Regina is also the proud mother of two children and helping to raise a third. For further information refer Regina's LinkedIn profile <https://www.linkedin.com/in/regina-molloy-738a9413/>

(cont. on page 10)



Mark Travis is a Certified Professional Geologist (CPG) and the founder of Arkenstone Exploration, a mineral exploration company based in Elko NV that offers a range of geological services. Mark has two decades of mineral industry experience working with precious and base metals, as well as energy minerals throughout the Western USA. During Mark's tenure in the mineral industry, he has worked in numerous geological commodity terrains and mineralization settings including gold, silver, copper, lithium & uranium; as well as experience in open-pit and underground mines and managed numerous highly technical exploration programs. Mark has a Bachelor's Degree in Geology from the University of Wyoming and has served as a Radiation Safety Officer (RSO) and

has maintained this professional competency throughout his career. Mark is deeply committed to advancing and promoting the mineral exploration industry alongside communities and demonstrates this passion by applying the best technical geoscience practices and standards, adopting the latest technologies and methods, and by engaging and collaborating with the various stakeholders and partners. Mark is a member of several professional associations and organizations including American Exploration and Mining Association (AEMA), the Society for Mining, Metallurgy & Exploration (SME), and the Prospectors and Developers Association of Canada (PDAC). Mark's commitment to his profession is demonstrated in his volunteer roles as a Director of both the Geological Society of Nevada as well as the Nevada Mineral Exploration Coalition and is now volunteering for the GSN Symposium 2027. For further information refer Mark's LinkedIn profile <https://www.linkedin.com/in/markwtravis1981/>



Christine Ballard has taken on the role as Secretary for the 2027 GSN Symposium. Christine has experience working on previous GSN Symposiums going back to 2005 and she is excited to lend a hand with the 40-year anniversary symposium in 2027. Christine is a geologist with over 25 years of experience in geology, database management, GIS applications, technical report writing and environmental permitting. She has logged geotechnical core and written numerous reports such as CIM NI 43-101 precious metal reports and geotechnical reports. Currently, she is focused on metallurgical testwork and reporting at her position with Kappes, Cassiday and Associates.

Christine has been active in GSN for almost 20 years and served as Secretary for the 2015 GSN Symposium. In 2012, she served as the Vice President of the Women in Mining national organization. She is also a current member of the SME Reno chapter and the Nevada Mineral Exploration Coalition.





NEWS FROM THE FOUNDATION

September, 2024



GSN Foundation K-12 Earth Science Education Grants Available to all Nevada Educators!

If you know a teacher, please let them know that applications are due by November 1st. Here is the link to share: [**GSN FOUNDATION K-12 GRANT APPLICATION**](#)

The GSN Foundation recognizes and supports the need for earth science education at the K-12 level. We have expanded our scope of funding to include classroom teaching as well as field trips.

Field Trips: Since many of the expenses for field trips, notably transportation, are not paid by the school districts, GSN Foundation has the opportunity to assist, in a meaningful way, by helping to defray some of these expenses.

Classroom: Funding to assist classroom teaching will be considered for a variety of applications, including but not limited to, printed materials (books, pamphlets, posters), mineral testing kits, mineral collections, and any other teaching aids that we would consider beneficial to earth science education.

Thank you to the following GSNers for volunteering to visit classrooms to teach students about "rocks":

Robbie Anderson, Geologist
Dave R. Boden, PhD, CPG, TMCC Emeritus Professor
Jonathan Brown, CPG, QP., MBA, Minerals Unlimited
Tom Callicrate, Mountain Gold Exploration
Justin Ferris, Ph.D., Hydrogeologist, BLM Battle Mountain Office
Bill Kolstad, Founder, Reno Tahoe Geology Group
Karl Marlowe, President & Principal Geologist, KEM FieldGeo
Alan Morris, Geologist, Ruby Mountain GIS
Roger Putnam, Professor, TMCC
Pooja Sheevam, Graduate Student, UNR
Donald G. Strachan, Consulting Geologist, Strachan & Associates
Duane Wrede, Retired Geologist



Winnemucca GSN Picnic in the Park – 2024

This was a great start to another year for the Winnemucca GSN!

Big thank you to Boart Longyear and ALS for supporting us by sponsoring the dinner and drinks, and to the Martin Hotel for a delicious meal. The Winnemucca GSN kicked off the new season with a great picnic. We had great food, great drinks, and epic cornhole competitions at Vesco park.

SILVER SERIES WRAP UP

The GSN 22nd Annual Summer Silver Series is a wrap. We had the biggest turnout ever this year with 175 people RSVPing to attend! Doug Silver wowed the crowd with his words of wisdom as we have come to expect. Dan Kappes provided an abundance of ribs, chicken, pulled pork, brisket, beans, coleslaw, potato salad, cornbread and brownies for the entire crowd. RESPEC supplied four kegs of Great Basin beer which is always the geo-favorite. Geotemps, Inc. supplied 17 bottles of wine that were almost all emptied and MRC Recruiting supplied a great selection of fancy bourbons for the tasting table too! Please contact Laura Ruud at the GSN office if you'd like a copy of Doug's slides.



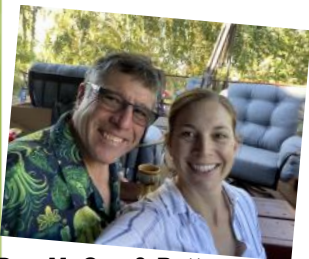
President, Patty Capistrant
introducing Doug Silver



Kay Tietz is happy to taste
some of the delicious
bourbon provided by MRC.



Dan Kappes's beautiful backyard and deck
make the perfect setting for the Silver Series



Dan McCoy & Patty
Capistrant



\$200

PER TEAM



BUDDY SHOOT
FORMAT



2 PM

START TIME

5TH ANNUAL
**BRIAN MORRIS
MEMORIAL
TRAP SHOOT**

OCTOBER 26, 2024

WINNEMUCCA TRAP CLUB

5001 E SECOND STREET, WINNEMUCCA

DINNER INCLUDED

CATERED BY THE MARTIN HOTEL

12 GA. AMMUNITION

PROVIDED

SPONSORSHIPS

AVAILABLE

\$50 non-shooter dinner tickets available

**to register your team or for info
on sponsorship please email**

briantrapshoot@hotmail.com

REGISTRATION (or Donation) IS NOW OPEN AT THIS LINK:

<https://www.gsnv.org/events/5th-annual-brian-morris-memorial-trap-shoot/?date=1729900800>

IT'S GSN DUES RENEWAL TIME!

DUES ARE STILL ONLY \$50/YEAR (\$80 for the hardcopy)

LIFETIME DUES ARE \$1,250-NEVER WORRY ABOUT PAYING AGAIN!

Thank you in advance for renewing your membership in the GSN for FY 2024! Dues are due by October 1st each year to ensure your listing in the GSN directory. You can find out your actual renewal date by going to the GSN website (<https://www.gsnv.org/membership/>) and clicking on "My Account" to login, then clicking on "Membership Details". The site gives you the option to reset your password if you don't know it. Please contact the GSN office if you don't know your user name. If your dues expire, it does not automatically take you off the email list. That happens on November 1st each year so please make sure you renew by then. **THANK YOU!**

MEMBER DIRECTORY ADS CAN BE PURCHASED ON THE WEBSITE HERE: [2025 DIRECTORY AD](#)

OTHER UPCOMING EVENTS

September 3, 2024 Arizona Geological Society Speaker Series 2024 via Zoom. Speakers: Travis Snider & Adam Hawkins, Arizona Sonoran Copper Co. Title: Cactus Mine Update. From Taxpayer Liability to a Top 10 US Copper Producer. More information and online registration: [Cactus Mine Update - From Taxpayer Liability to a Top 10 US Copper Producer](#). Remote Broadcast begins at 6:35 PM. [Streaming URL Link](#)

September 4-6, 2024: Nevada Mining Association Annual Convention: *Inspired by Innovation*, Harrah's, Lake Tahoe, Nevada. Register here: <https://www.nevadamining.org/members/nvma-annual-convention/>

September 5, 2024 Nevada Petroleum & Geothermal Society meeting, 13101 S. Virginia St., Reno, NV: Speaker: Great Basin Center for Geothermal Energy faculty. Title: "Back to school" theme - "Celebrating The Next Generation of Professionals in Training!". Bar opens @ 6:30 pm, Dinner @ 7:00 pm, Presentation @ 7:30 pm. click here to register: [Register Now](#)

September 9, 2024 - Utah Geological Association lunch meeting. Speaker: Keilee Higgs, UGA President Elect. Topic: Geology of Bears Ears National Monument. [HTTPS://UTAHGEOLOGY.ORG/EVENTS/SEPTEMBER-2024-UGA-LUNCHEON](https://UTAHGEOLOGY.ORG/EVENTS/SEPTEMBER-2024-UGA-LUNCHEON). Google Meet Info: meet.google.com/egc-ttho-wwq

September 12, 2024 - Utah Geological Assoc/SPE/SME Annual Golf Tournament: 8:00 AM shotgun start at Stonebridge Golf Club, West Valley, UT. Proceeds from this fun event are combined with funds from the Utah Geological Foundation (UGF) to provide field-camp scholarships to students attending Utah universities and colleges. Please contact Rick Ford (rford@weber.edu) if you have questions. Click here for more information: <https://utahgeology.org/events/2024-spe-uga-sme-scholarship-golf-tournament>

September 16, 2024 SME Northern Nevada Chapter Meeting, Circus Circus Mandalay Room, Reno, NV. Drinks 6 pm, Dinner 6:45 pm, Talk 7:30 pm. **Speaker: Chris Nyikos, Barr Engineering.** Title: "Langbeinite: Down to Earth Source of Three Important Plant Nutrients". Email: NNevSME@gmail.com. email us about the details. Visit the website for more information and to RSVP: [NNVSME Website](#)

September 22-25, 2024 Geological Society of America's Annual Meeting—Connects 2024, Anaheim, CA. Official Themes for 2024: "Water in Our Changing World" and "Life Along an Active Margin" Website: <https://community.geosociety.org/gsa2024/home>

September 27-30, 2024 SEG 2024 Conference: Sustainable Mineral Exploration and Development, Namibia. Website: <https://www.segweb.org/SEG-2024/SEG-Conference/SEG-2024/Home.aspx>

December 1-5, 2024: AEMA Convention, Nugget Casino, Sparks, NV. GSN in Booth #314! [AEMA Convention Website](#)

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

December 11, 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.

Nevada Mineral Exploration Coalition (NMEC)

2024 Great Basin Rendezvous

September 6th through 8th, 2024

For 2024 twelfth Great Basin Rendezvous (GBR), is returning to the Royal Peacock Opal Mine (Mine) near Denio, Nevada. Come join your fellow geologists, drillers, consultants, and their families.

The price will remain the same: members will pay \$20.00 plus \$10.00 for each additional family member over age 12. Non-members will be charged a base fee of \$170.00 which includes NMEC membership for the remainder of 2024 and all of 2025.

A fee of \$10 per person per night will cover dry campsites for tents or small trailers needing no hookups. The charge for larger trailer sites requiring 30-amp hook-ups is \$40.00 per night and 50-amp hook-ups run \$45.00 per night. These fees are over and above the registration fee and will be paid directly to the Mine. You must call the Mine directly at [\(775\) 941-0374](tel:7759410374) to reserve an RV space.

Breakfast and dinner are included in the price. Friday and Saturday night dinners will again be prepared by our camp host, Julie Wilson, along with her crew. Breakfast will be served on Saturday and Sunday. Julie has hired a band for Saturday night, so bring your steel toe dancing boots.

We have again been given a discount rate for digging at the mine. Digging in the fresh cut-face will cost \$150 or you can sift through the tailings for \$50, both per person per day (some of the greatest finds have come from the tailings). If you get enough digging at your job, think about spending the afternoon at the Virgin Valley Warm Springs (<https://travelnevada.com/camping/virgin-valley-campground-warm-spring/>) or just hang out at the beautiful mine campground.

The Royal Peacock Opal Mine has been owned and operated since the 1940s by a single family. Check out the Mine website: <https://www.royalpeacock.com>

We are looking for sponsors for meals, drinks and donations towards the campground fees. We have had great success in the past with generous sponsorships that have provided amazing breakfasts, dinners and cocktails, so please consider helping out. Registration fees are comped for sponsors.

TO HELP SPONSOR THE GREAT BASIN RENDEZVOUS, [Click Here](#)

For further sponsorship information contact Catherine Lee (clee@westlandresources.com) or JoAnn Newbury (jnewbury.consulting@yahoo.com)

TO REGISTER FOR THE GREAT BASIN RENDEZVOUS [CLICK HERE](#)

Or [Click Here](#) to Download the PDF Registration Form and mail to the NMEC address on the form

For more information about the Rendezvous or the camp contact Warren Thompson at: wfthompson@frontiernet.net

NEVADA WOMEN'S LEADERSHIP ALLIANCE—LEADERSHIP SPEAKER SERIES

“Profiles in Leadership: The Womens Mining Coalition”

WEDNESDAY, OCTOBER 23, 2024, 5:30—8:30 p.m.

The Elm Estate, 1401 W. 2nd Street, Reno, Nevada

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Ruth Carraher, Debbie Struhsacker & Kathy Benedetto

For more information and to purchase tickets visit: [NWLA Speaker Series](#)

**Nevada Mineral Exploration Coalition (NMEC)
14th Annual Mineral Exploration Summit (AMES)
October 24th, 2024, Atlantis Casino in Reno, Nevada**

FIRST ANNOUNCEMENT – SAVE THE DATE

WHO SHOULD ATTEND? Anyone involved or interested in any facet of Nevada’s mining industry.

WHAT IS THE Nevada Mineral Exploration Coalition (NMEC)? A not-for-profit, non-partisan coalition of small businesses and individuals engaged in, or in support of, mineral exploration and development activities in the State of Nevada. Our mission is to *Preserve and Promote* the mineral exploration industry of Nevada.

WHAT IS THE PURPOSE OF THE ANNUAL MINERAL EXPLORATION SUMMIT? The Summit brings together industry, legislative and regulatory decision makers as well as representatives of other non-governmental organizations to discuss topics of critical importance to the exploration industry of Nevada.

REGISTRATION: Your registration includes continental breakfast, plated lunch with keynote speaker, and an afternoon reception with hosted hors d'oeuvres and bar. You are encouraged to register for the Summit on-line at <https://nvmecc.org> or by downloading and completing the registration form on the same link. You are also encouraged to take advantage of the cost savings by registering early.

Early Registration

Members	\$250
Non-members	\$400

Late registration (after October 17)

Members	\$350
Non-members	\$500

*Note: non-member registration fee includes membership in NMEC through 2025.

SPONSORSHIP OPPORTUNITIES: The AMES is the primary fund-raising event for the NMEC and we encourage you to support our efforts through a contribution as a sponsor of the event. Being a Sponsor will help defray the cost of the Summit and insure NMEC’s continued ability to benefit the Nevada exploration industry. Sponsors will have their company’s name and logo prominently displayed on the Sponsor Board at the meeting and in the printed event program.

SUPPORT LEVELS

<https://nvmecc.org/event-sponsorship>

Any \$ Amount

Platinum: \$5,000 (includes two complimentary registrations and expanded display space)

Diamond: \$1,500 (includes one complimentary registration and expanded display space)

Gold: \$1,000 (includes complimentary expanded display space)

Silver: \$750

Bronze: \$500

Copper: \$250

Contact Dave Shaddrick for additional display/promotion opportunities (dshaddrick@aol.com)

Mining Activity Update

JULY 2024, Mike Brady

LMBrady@aol.com

NEVADA

Nevada King Gold Corp. announced that recent drill results at the Atlanta/East Ridge Project include 0-22.9 meters @ 1.32 gpt Au (AT24ET-11); 12.2-33.5 meters @ 0.53 gpt Au (AT24ET-13); 6.1-12.2 meters @ 0.36 gpt Au (AT24ET-14) and 42.7-79.3 meters @ 0.16 gpt Au (AT24ET-15). (resource @ Atlanta = 11,000,000 tonnes @ 1.3 gpt Au measured+indicated) *Press Release: July 16*

Nevada King Gold Corp. announced that recent drill results at the Atlanta/South Quartzite Ridge Project include 147.8-216.4 meters @ 5.14 gpt Au, 16 gpt Ag (AT24HG-41). *Press Release: July 23*

Nevada King Gold Corp. announced that it would spin-out its non-Atlanta property holdings in Nevada into a new, yet to be named company. *Press Release: July 1*

Lahontan Gold Corp. announced that recent drill results at the Santa Fe Project include 134.1-140.2 meters @ 0.12 gpt Au (CAL24-01R); 67.1-83.8 meters @ 0.49 gpt Au (CAL24-02R); 51.8-93.0 meters @ 0.88 gpt Au (CAL24-03R) and 202.7-219.5 meters @ 0.48 gpt Au (CAL24-06R). *Press Release: July 9*

The Bureau of Land Management announced that the location fee for mining claims will increase to \$49/claim (was \$40/claim) and the yearly maintenance requirement fee will increase to \$200/claim (was \$165/claim) due on September 1, 2024. *Press Release: June 28*

Barrick Gold Corp.(61.5%) announced that reserves at the Cortez Open Pit Mine aggregate 178,861,000 tonnes @ 0.82 gpt Au proven+probable. (was 178,860,000 tonnes @ 0.90 gpt Au proven+probable) *2023 Annual Report*

Barrick Gold Corp.(61.5%) announced that reserves at the Cortez Underground Mine aggregate 43,902,000 tonnes @ 7.27 gpt Au proven+probable. (was 42,280,000 tonnes @ 7.78 gpt Au proven+probable) *2023 Annual Report*

en+probable) *2023 Annual Report*

Barrick Gold Corp.(61.5%) announced that reserves at the Turquoise Ridge Open Pit Mine aggregate 35,772,000 tonnes @ 2.36 gpt Au proven+probable. (no comparable estimate) *2023 Annual Report*

Barrick Gold Corp.(61.5%) announced that reserves at the Turquoise Ridge Underground Mine aggregate 35,520,000 tonnes @ 10.66 gpt Au proven+probable. (was 46,000,000 tonnes @ 5.84 gpt Au proven+probable) *2023 Annual Report*

Surge Battery Metals Inc. announced that recent drill results at the Nevada North Project include 12.2-27.4 meters @ 1.0% Li₂O (NNL-21); 13.7-39.6 meters @ 0.99% Li₂O (NNL-22); 15.2-24.4 meters @ 0.57% Li₂O (NNL-23) and 0-27.4 meters @ 0.87% Li₂O (NNL-24). (resource = 309,300,000 tonnes @ 0.611% Li₂O inferred) *Press Release: July 23*

Thanks Again!

To our August BBQ Sponsors In Winnemucca and Elko!



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37th Annual Hall of Fame Induction Gala



November 2nd, 2024

7pm - 10pm

Denver Cable Center

7pm: Cocktail Hour

- Hors d'oeuvres and Open Bar
- Open seating and standing options

8pm: Induction Ceremony in Malone Theater

- Auditorium style seating
- Reserved seats available by specific reserved seat ticket

9:30pm: Dessert Reception

- Champagne toast, Dessert and Open Bar
- Open seating and standing options

9:30-10:30 Champagne toast, open bar, dessert & coffee.

RSVP TODAY BEFORE TICKETS ARE GONE: [BUY TICKETS](#)

REMEMBRANCES

GERALD HARTZEL

“Gerry”

April 14, 1944—July 31, 2024

Gerald Wayne Hartzel was born April 14, 1944 to MariVivian Miller Hartzel and Howard Elmer Hartzel in Shamokin, PA but was raised in Carlin, Nevada. He died on July 31, 2024, in Littleton, CO at the age of 80. He married Louise White of Ely, MN on April 19, 1969 and they were married for 55 years.

Gerry had Parkinson’s disease for the previous 2 years and passed from sepsis after 5 months of illness and complications in various rehabilitation facilities.

He was preceded in death by his mother, father, and sister Bonnie Burnett of Elko, NV. He is survived by his wife Louise of Centennial, Co, sister Marie Tomko of Greensburg, PA and thre daughters, Deborah Montelli of Highlands Ranch, CO, Sheri Zmolek of Littleton, CO and Andrea Quick of San Diego, CA. He had six grandchildren Ben, Derek, Delaney, Henri, Campbell and Carter whom he loved dearly and was very proud of.

He served in the Marine Corps and was proud of his service there. Gerry loved his career with Newmont Gold Mining for 38 years before he retired. He enjoyed extensive traveling around the world and loved to collect and study trains.

He had a lifetime of making friends with everyone he met in the corporate world and outside of it. He loved dogs and took pride in keeping a well-groomed yard.

He wished to be cremated and a private family memorial was held on August 31, 2024. He wanted to be remembered by his family, and we will miss him eternally.

The family would like to thank the staff at Littleton Adventist Hospital for their care during his time of illness.



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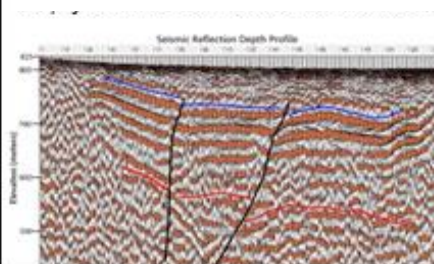


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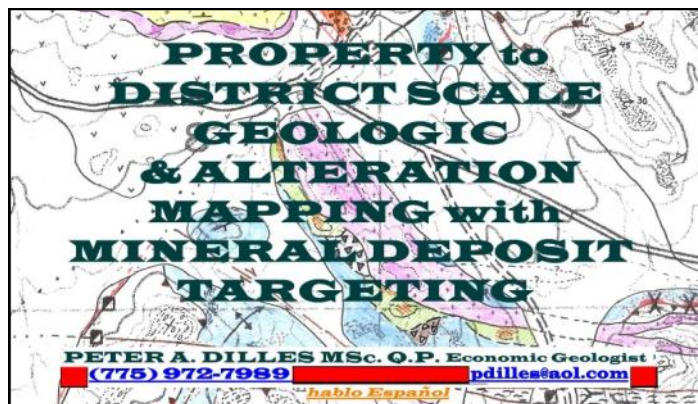
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