

# GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Geological Society of Nevada, PO Box 13375, Reno, NV 89507 USA, 775/323-3500, [www.gsnv.org](http://www.gsnv.org)  
Office location: Laxalt Mineral Research Center, Rm 266, UNR. Hours: Mon thru Fri, 8-3



August 2008, Vol. 23, No. 6

Published monthly except June and July

## PRESIDENT

**Marcus Johnston**  
Victoria Resources US Inc  
[marcus@apexmineralresources.com](mailto:marcus@apexmineralresources.com)

## VICE PRESIDENT

**Mike Ressel**  
Kinross Gold Corporation  
[mikeressel@sbcglobal.net](mailto:mikeressel@sbcglobal.net)

## SECRETARY

**D.D. LaPointe**  
Nevada Bureau of Mines and Geology  
[dlaointe@unr.edu](mailto:dlaointe@unr.edu)

## TREASURER

**Neville Rhoden**  
Exploration Syndicate  
[neville.rhoden@gmail.com](mailto:neville.rhoden@gmail.com)

## MEMBERSHIP CHAIR

**Opal Adams**  
Enviroscientists, Inc.  
[ofadams@enviroincus.com](mailto:ofadams@enviroincus.com)

## PUBLICATION CHAIR

**Marilyn Miller**  
AuEx Ventures, Inc.  
[marilyn.miller1@sbcglobal.net](mailto:marilyn.miller1@sbcglobal.net)

## OFFICE MANAGER

**Kathy Sestanovich**  
[gsn@gsnv.org](mailto:gsn@gsnv.org)

## CALENDAR OF GSN EVENTS

### ANNUAL DOUG SILVER SUMMER SERIES

**August 21, Thursday**—5445 Goldenrod Drive, Reno, NV 89511.  
Doug Silver, Chairman and CEO of International Royalty Corporation. Title:  
The Correction Connection. Talk at 6:00 pm. [See page 3 for new information.](#)

### GSN MEMBERSHIP MEETING

**September 19, Friday**—Reno Elks Lodge, 597 Kumle Lane, Reno, NV. Drinks at  
6:00 pm, dinner at 7:00 pm, and talk at 8:00 pm. Speaker and title to be announced.  
For reservations contact Kathy Sestanovich at 775/323-3500, or email [gsn@gsnv.org](mailto:gsn@gsnv.org).

### ELKO CHAPTER

**August 21, 2008**—All Points North and Mexivada will be sponsoring the Summer Series  
BBQ at Duncan Little Creek Gallery beginning at 6 pm; Chef Dan Harmening will be serving  
ribs and shrimp. An informal presentation by Rick Redfern of Mexivada will follow the BBQ.  
For more information please contact: Moira Smith at 775/934-2987.

### WINNEMUCCA CHAPTER

**September 10, 2008**—The monthly meeting is at the Martin Hotel, 94 West Railroad  
Street beginning at 6:30 pm. The talk follows at 7:00 pm. Speaker for the evening will  
be Gabriel Graf. The presentation title is: "Mineralogical and Geochemical Changes  
Associated with Sulfide and Silicate Weathering in Natural Alteration Scars, Taos  
County, New Mexico". For more information please contact John Marma at  
775/635-6472.

### SOUTHERN NEVADA CHAPTER

Meetings to be resumed in September. For more information please contact Josh  
Bonde at 702/468-2500.

[GSN's May monthly meeting was well attended with 100 folks.](#)

## FROM THE PRESIDENT

Marcus Johnston, *GSN President 2008-2009*

This year brings renewed promise of good fortune for many of us working in the Silver State, and elsewhere in the world. Prices for precious and base metals, and other natural commodities, remain high, with little indication of falling significantly in the near future. Geologists, other allied scientists and engineers, and our associates continue to enjoy gainful employment in Nevada while working on one or more of our myriad mineral deposits and discoveries in the making, as well as other geologically and/or culturally relevant sites. Such a time inspires an additional promise that the Geological Society of Nevada will continue to flourish as an important resource for each of our members.

To this end, we have many new changes to announce. But, before providing details, I am certain I speak on behalf of the entire GSN Membership when I thank those who 'retired' from the GSN governance (at least for now) last May/June. The names of these people appeared in the May

## ANNUAL DOUG SILVER SUMMER SERIES

Carpenter's Backyard  
5445 Goldenrod Drive  
Reno, NV 89511

Please RSVP to Kathy at the GSN office  
[gsn@gsnv.org](mailto:gsn@gsnv.org) or call 323-3500

Newsletter, and they deserve a coffee or beer if you happen to run into one of them in a dusty semi-ghost town somewhere in the world, or at one of the more populated venues we participate in, such as NWMA, Roundup, or PDAC.

*continued on page 2*



### FROM THE PRESIDENT *continued from page 1*

On to the new changes, then! First, GSN has hired a full-time Office Manager, Kathy Sestanovich, who brings an experienced exuberance to the newly created position. Second, a new slate of officers and directors (including some repeats from years past) has been elected and have taken their respective positions. Third, a new website is in the works, which will hopefully debut in August/September of this year. This user-friendly version is intended to provide access to current news, laws, job opportunities, GSN publications, and contact information for current and past friends, colleagues, associates, and adversaries. And fourth, a new "Faces of GSN" feature is being added that should serve as a personal introduction for our newer members to some of the cast of rogues, entrepreneurs, and pirates that populate our ranks, and as a reminder of the aging process for those of us who have been here awhile.

Mike Ressel is currently organizing the GSN Fall 2008 Field Trip. Although the field stops, tours, and routes are not finalized rumor has it that the trip will have a decided porphyry flavor, with probable trips to both copper and molybdenum deposits. Also, the Doug Silver summer series continues with a meeting August 21<sup>st</sup>.

Enjoy your last many weeks of dry roads in our beloved state! September comes soon, with first freezes across the higher elevations, and unpredictable weather down below, as well as our first Reno and other chapter meetings for 2008-2009. The speakers and titles for the related talks, as well as time and location for each meeting, will be available in the September Newsletter, and soon on our website.

Be safe, Marcus

### **GSN SPRING 2008 FIELD TRIP SUMMARY**

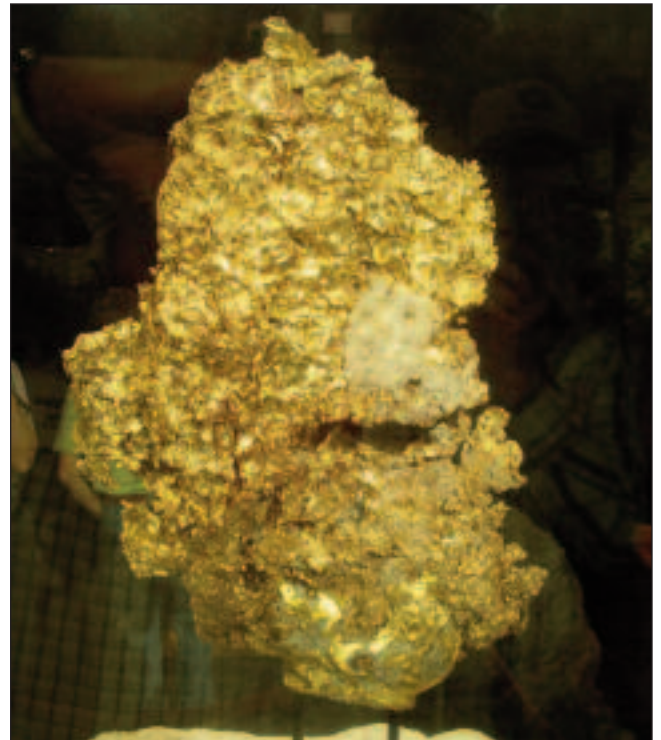
Marcus K. Johnston, *GSN President 2008-2009*

The Spring 2008 Field Trip served as a renewed introduction to an old friend, the Mother Lode region in Northern California. Aptly titled "Mines and Wines: A Geologic Perspective on the Central Mother Lode and Vineyards in the Northern California Foothills," the trip blended visits to mines, outcrops, and museums with trips to local wineries, and included evening presentations on the history and ongoing prospectivity of the area.

On day one, Dr. Gregg Wilkerson treated us to an impromptu regional geologic overview of the Sierra Nevada Mountains and Northern California Foothills on the bus.

Gregg continued his discussion, with emphasis on the Mother Lode region geology, at the entrance to the famous Empire mine in Grass Valley. We toured the stately grounds and some of the mine workings, with Jerry Pressler as our informed and entertaining guide, and concluded the experience with a traditional Cornish miner's lunch. We then drove to Boeger Winery, just north of Placerville, where we tasted some excellent reds and enjoyed the ambiance of the garden setting. We concluded the day back in Placerville, where George Wheeldon entertained us with an after-dinner presentation on the local history. Thanks to the following sponsors for day one: Applied Geoscience LLC picked up the tab for the afternoon and evening drinks, and Victoria Resources (US) Inc. sponsored our dinner.

On day two we met up near Plymouth with Mark Payne and a group of local college students. Mark provided the geological expertise, and the students were a refreshing addition. We climbed over the dumps from the Plymouth Consolidated mine, collecting samples along the way, before continuing on to the dumps of the South Spring Hill mine, and trenched exposures of vein-extensions from the Lincoln mine. Soon after, the bus was en route to the Ironstone Winery, near Sonora. At Ironstone, we were treated to impressive tours of the grounds, including a viewing of the 44-pound crystalline gold specimen from the nearby Harvard mine, and a pleasant time in their well



44-pound crystalline gold from the Harvard mine.

***Thanks to Enviroscientists, Inc. for hosting the May meeting.***

## GSN SPRING 2008 FIELD TRIP SUMMARY *continued*

appointed tasting room. Back in Sonora, Ed Coogan presented details of his metal-detecting endeavors across the region, sharing some of his own “Eurekas” and displaying several gold specimens he found. Afterwards, we worked around a hiccup in the logistics when the local caterer failed to deliver our dinner. Thanks to Dave Shaddrick for finding a delectable, if not entirely time-efficient pub and griddle, and thanks to the following sponsors for day two: Enviroscientists sponsored our lunch, Desert Ventures Inc. supplied the afternoon and evening drinks, and Agnico-Eagle (US), Inc. picked up the tab for our dinner.

Day three came early, figuratively, with another loading of the bus and a short trek to the Harvard mine, source for the giant gold specimen we had seen the day before. Ross Grunwald gave an impeccably precise presentation of the mine geology near the rim of the pit, before presiding over what I considered to be the highlight of the trip: the rope-assisted, steep descent into the pit itself! We



**GSN Field Trip participants in the Harvard mine.**

We climbed down to the last stable bench above the pit lake, and traversed horizontally from waste rock, across the widely spaced quartz stringers and veins that locally host masses of crystallized gold, into the refractory core of the deposit. After the Harvard tour, we enjoyed a relaxed stop at the Toulumne County Historical Museum, highlighted by their suite of native gold specimens from local mines. Kappes, Cassiday & Associates picked up the tab for lunch.

A separate thanks is extended to Marilyn Miller for sponsoring Jessica Smith, a graduate student at UNR. Also, Victoria Resources (US) Inc. produced the bound copies of the Field Trip Guidebook. Additional copies are available at the GSN office.

Overall, the trip went “spectacularly well,” according to participant Bonnie Johnston, whose own personal highlight was centered on the consumption of the remaining wine during our trip from Sonora back to Reno. No, wait, the wine was *my* other highlight, and Bonnie was the one who drove me home. I hope everyone found the trip informative and entertaining, and look forward to seeing you again this Fall!

## **THE SEVENTH ANNUAL SILVER SUMMER SERIES, August 21, 2008**

### **“THE CORRECTION CONNECTION”**

#### **Change of Venue – Back to the Carpenter’s Backyard**

5445 Goldenrod Drive, Reno, NV 89511

Google Maps will get you there!!!

Due to some unfortunate changes the Silver Summer Series will return to its meager beginnings in the Carpenter’s Backyard. HUGE extensions of gratitude to Opal and Rich for previously hosting this event; we all greatly appreciate their generosity in sponsoring such a fine tradition. Because of the short notice for this change in venue, and the fact that the Carpenters will never be able to match Opal’s and Rich’s hospitality, we are requesting that everyone bring libations and finger-food munchies to help the event be the rousing success we know it can be! We look forward to seeing as many of you as possible at our home this year.

In keeping with GSN’s policy of bringing the membership cutting edge information we are proud to announce that Douglas Silver, Chairman and CEO of International Royalty Corporation, will again grace us with his presence at the Silver Summer Series, where he will share his wisdom and genius peppered with gross bias on a number of subjects.

The talk will be held on August 21st at 6:00 pm for beers, 7:00 pm for the serious and “e-steamed” talk in the Carpenter’s Backyard (5445 Goldenrod Drive, Reno 89511. Home phone is 775/849-9707). BRING CHAIRS!! AND THEN TAKE ‘EM HOME!!! RSVP to Kathy at the GSN office (gsn@gsnv.org or 323-3500).

## ACTIVITY UPDATE

Mike Brady, June 2008  
www.activityupdate.com

### NEVADA

Newcrest Resources Inc. announced that it acquired an option to earn a 60% interest in the Horse Mountain Property from Miranda Gold Corp. for \$3,250,000 in exploration expenditures over 4 years.  
*Press Release: May 29*

CMQ Resources Inc. announced that it acquired an option to earn a 60% interest in the Red Canyon Property from Miranda Gold Corp. for \$4,000,000 in exploration expenditures over 5 years.  
*Press Release: June 19*

Great Basin Gold Ltd. announced the start-up of operations at the Hollister Mine to produce 80,000 ounces of gold equivalent/year. The ore would be processed at the Jerritt Canyon Mill. (resource = 561,000 tons @ 1.048 opt Au, 6.12 opt Ag measured)  
*P.D.: April 2008*

Newmont Mining Corp. announced that its 200-mega watt coal-fired power plant is now 95% complete and that start-up is anticipated for the 4<sup>th</sup> quarter.  
*P.D.: April 2008*

Coeur d'Alene Mines Corp. announced that it was unable to receive a sufficiently high purchase price for the Rochester Property and, therefore it will retain ownership and continue with the residual leaching of the existing heaps. (resource = 32,664,000 tons @ 0.006 opt Au, 0.85 opt Ag measured+indicated)  
*Press Release: June 5*

Agnico-Eagle Mines Ltd. announced that it now has spent \$5,000,000 on the West Pequop Project thereby earning it a 51% interest with AuEx Ventures Inc. Agnico-Eagle also stated that it would continue with the planned exploration program.  
*Press Release: June 19*

AuEx Ventures Inc.(49%) announced that recent drill results at the West Pequop Project include 66-71.5 feet @ 0.035 opt Au (WNC-104); 805-825 feet @ 0.175 opt Au (WNC-107); 275-300 feet @ 0.014 opt Au (WNC-111) and 162-192 feet @ 0.024 opt Au (WNC-112).  
*Press Release: June 19*

Fortune River Resource Corp. announced that recent drill results at the East Manhattan Project include 50-61 meters @ 0.041 opt Au (EM08-02); 78-87 meters @ 0.061 opt Au (EM08-03); 78-81 meters @ 0.071 opt Au (EM08-07) and 91-105 meters @ 0.084 opt Au (EM08-10).  
*Press Release: June 5*

Golden Predator Mines Inc. announced that it offered to acquire Fury Explorations Ltd. through a 0.33 share Golden Predator/1.0 share Fury basis. (resource @ Taylor = 6,433,000 tons @ 2.31 opt Au measured+indicated)  
*Press Release: May 30*

Gold Summit Corp.(50%) announced that recent drill results at the Monte Cristo Project include 230.2-231.2 meters @ 0.167 opt Au (MCC-63); 72.5-76 meters @ 0.354 opt Au (MCC-65) and 209.3-210.5 meters @ 0.032 opt Au (MCC-65). (resource = 364,100 tons @ 0.190 opt Au, 0.60 opt Ag inferred)  
*Press Release: June 17*

Golden Predator Mines Inc. announced that recent drill results at the Springer Project include 26-34 feet @ 0.405% WO3 (SMC-22); 46-60 feet @ 0.757% WO3 (SMC-22); 0-26 feet @ 0.444% WO3 (SMC-25) and 56-72 feet @ 0.495% WO3 (SMC-28). (resource = 3,350,000 tons @ 0.458% WO3)  
*Press Release: June 16*

Metallic Ventures Gold Inc. announced that its Chairman and Chief Executive officer, Jeffrey Ward resigned for personal reasons.  
*Press Release: June 18*

Western Uranium Corp. announced that it received approval to spin off its lithium resources into a new company called Western Lithium Canada Corp.

*Press Release: June 20*

Barrick Gold Corp.(50%) announced that reserves at the Round Mountain Mine aggregate 156,234,000 tons @ 0.018 opt Au proven+probable. (was 226,084,000 tons @ 0.017 opt Au proven+probable)  
*2007 Annual Report*

Barrick Gold Corp. announced that reserves at the Ruby Hill Mine aggregate 18,763,000 tons @ 0.050 opt Au proven+probable. (was 19,479,000 tons @ 0.055 opt Au proven+probable)  
*2007 Annual Report*

Barrick Gold Corp.(33%) announced that reserves at the Marigold Mine aggregate 93,318,000 tons @ 0.020 opt Au proven+probable. (was 102,287,000 tons @ 0.021 opt Au proven+probable)  
*2007 Annual Report*

Barrick Gold Corp.(60%) announced that total resources at the South Arturo Project aggregate 17,928,000 tons @ 0.070 opt Au. (was 21,073,000 tons @ 0.060 opt Au)  
*2007 Annual Report*

Miranda Gold Corp. announced that recent drill results (by Barrick during 2007) include 2,125-2,135 ft @ 0.081 opt Au (BRH-021); 1,175-1,185 ft @ 0.013 opt Au (BRH-023) and 1,100-1,105 ft @ 0.027 opt Au (BRH-024).

*Press Release: June 26*

## GSN FOUNDATION NEWS

Roger Steinger, *Chair, Foundation Board*

IGT continued its support of the Foundation with another generous contribution, which will be used to support of the Foundation's K-12 field trip grant program. Ann Carpenter initially developed this contact, which is an approach that I would like to develop throughout the membership. If any of you have good contacts with suppliers or other groups that might be contributors to the Foundation please approach them on our behalf, or supply me with the contact information. AIPG Foundation continued their support with a contribution of \$4,000, and as part of the agreement with AIPG the Geological Society of Nevada will match half of the contribution. We also had a very successful fund raising through the GSN Golf Tournament with the sale of Mulligans and raffle tickets, totaling \$2,070. A large thank you goes to Dave Williams and Inspectorate America Corporation for making the golf tournament and contributions happen.

The gold specimen auctions at the May meeting raised \$5,550 for the Foundation. Also included were donations from Bill Kohlmoos from the sale of his book and a contribution from Ken Brook. Alan Day and Marcus Johnston generously donated the gold specimens. Thank you to all involved, especially D.D. and Rachel for running the event.

Last year's Foundation Board members all agreed to serve another year.

The Board is looking forward to another successful year for the Foundation.

# 2008–2009 ELECTED GSN OFFICERS

## Board of Directors

Current GSN President: Marcus Johnston

Most Recent Past GSN President: Greg Hill

Elko Chapter President: Moira Smith

Southern Nevada President: Josh Bonde

Winnemucca Chapter President: John Marma

Six Past Officers of GSN or Chapters are elected  
for staggered three year terms

Class A, 2006-2009

Fred Breit, Steve Green

Class B, 2007-2010

Dave Caldwell, Dieter Krewedl

Class C, 2007-2011

Dave Shaddrick, Camille Prenn

## Executive Committee

President: Marcus Johnston  
Victoria Resources, Inc.

Vice President: Mike Ressel  
Kinross Gold Corporation

Secretary: D.D. LaPointe  
Nevada Bureau of Mines and Geology

Treasurer: Neville Rhoden  
Exploration Syndicate

Membership Chair: Opal Adams  
Enviroscientists, Inc.

Publication Chair: Marilyn Miller  
AuEx Ventures, Inc.

## GSN Foundation Board of Directors

Chair & Executive Director: Roger Steininger

Vice Chair: Dieter Krewedl

Secretary: Kel Buchanan  
HB Engineering Group

Treasurer: Camille Prenn  
Mine Development Associates

Education Committee: D.D. LaPointe

Education Committee: Rachel Dolbier

Member: Clancy Wendt

## Elko Chapter

President: Moira Smith

Vice President: Jim Essman  
Newmont Mining Corporation

Secretary: Laleh Carter

Treasurer: Richard Yancey  
Barrick - Cortez Gold Mine

Membership Chair: David Tretbar  
Ashdown Project LLC

## Southern Nevada Chapter

President: Joshua Bonde  
UNLV - Graduate Student

Vice President: Charlie Pedro

Secretary: Katie Wooton  
UNLV - Graduate Student

Treasurer: Chris Riecken  
Consultant

Newsletter: Greg Zellner  
UNLV Graduate Student

Webmaster: Monty Melhourne

## Winnemucca Chapter

President: John Marma  
Newmont Mining Corporation

Vice President: Matt Hoffer  
Newmont Mining Corporation

Secretary: Lora Chiehowsky

Treasurer: Richard Yancey  
Barrick - Cortez Gold Mine

Membership Chair: Randy Vance  
Newmont Mining Corporation



## 2008 GSN GOLF TOURNAMENT WRAP-UP

The annual GSN golf tournament was held on Saturday, June 21, 2008 at Washoe Golf Course. We had a very good turnout this year, with 92 golfers and an additional 23 guests for the BBQ. **Inspectorate America Corporation** sponsored the golf tournament and the BBQ. Many thanks go to Inspectorate for their generous support in making this a special event with good food, cold drinks and generous prizes. A big thank you also to **Just Equipment** for providing all the beverages, including beer from Great Basin Brewing Company. Also big thanks to **Just Refiners, John Ascuaga's Nugget, Perkin Elmer, Cetac, VWR, Anachemia, Airgas, Spiro's Bar & Grill, Ageless Zone Medical Spa (Regina Wofford & Alyson Ceresola)**, and the **Atlantis Casino** for donations toward the raffle prizes.

This was the third year we used the tournament as a fundraiser for the GSN Foundation. Mulligans (a redo of a poor shot) were available for players to purchase and raised \$1,235.00, raffle tickets raised \$920.00 for a total of \$2,155.00 for the GSN Foundation. Thank you to all of the players and guests who stepped up and supported the Foundation.

We would also like to thank the following people for their help in organizing the event and taking care of all of the details on the day of the tournament: Matt Zier, Robert Wasiliew, Dave Williams, Carmen Arbizio, and John Thiel.

### The winners are as follows:

Ladies Long Drive Hole #18	Julie Osendorf
Men's Long Drive Hole #18	Jack Jaquet
Ladies Close to the pin Hole #3	No one
Mens close to the Pin Hole #11	Matt Zier

### First Place team:

Garrett Schult, Greg Saunders, Jack Jaquet, and Sam Sanders: Net Score of 63.6

Second Place Team: Bob Wasiliew, Dave Williams, John Thiel, and Chris Throop: Net Score of 65.4

Third Place team: Rene Von Boeck, Kel Buchanan, Jamie Olander, and Peter Olander: Net Score of 69.0

Fourth Place Team: Mark Carrier, Rick Printup, Duane Heilman, and Scott Briscoe: Net Score of 69.2

Fifth Place Team: John Schaff, Lance Taylor, Tom Callicrate, and Al Lander: Net Score of 69.6



John Schaff, Al Lander, Tom Callicrate, and Lance Taylor.



Toby O'Brien,  
Jack Jaquet,  
Sam Saunders, and  
Greg Saunders

# **GSN MEMBERSHIP FORM**

*(see the new form included in this newsletter)*

GSN has modified their dues structure and membership renewal timing to a membership year that runs from January 1 through December 31. The new dues are \$50 per year and will pay for the annual calendar membership year. Early renewal for 2009 will start in September 2008. Anyone registered prior to December 31, 2008, will have their name in the 2009 GSN Membership Directory, which will be published in January 2009. If you register after December 31, 2008, you will still receive a Membership Directory; however, your name will not be included.

Full time student memberships will be \$25 for the 2009 membership year. Geotemps has generously agreed to again support memberships for Nevada students for 2009.

The dues required for membership between September 1 and December 31, 2008 for existing members will be prorated at \$15 (\$7.50 Students) in order to receive the GSN Newsletter and attend GSN functions such as the dinners, cocktail hours, and Fall GSN field trip. This is a transition cost for each member and will only occur this year. The new Membership Application will have a pro-rated membership line. You will be able to pay for the fall and the entire 2009 membership starting in September. Brand new members to GSN will be required to pay \$30 and will receive a current directory. We apologize for any inconvenience this may cause and appreciate your patience. Our new full time office manager is currently working on updating the database so that the problems we have experienced in the past will be alleviated.

## **GSN MEMBERS' NEWS AND ANNOUNCEMENTS**

### **LEW EKLUND, Nevada Mining Pioneer to be Inducted into the National Mining Hall of Fame**

The National Mining Hall of Fame will Induct Lew Eklund, 76, founder of Eklund Drilling Company, based in Elko, Nevada, who helped to revolutionize gold-deposit exploration. He will attend the banquet.

Ceremonies for four mining industry pioneers into the National Mining Hall of Fame will be held Saturday, September 13, 2008 at the Charles F. Barber Pavilion of the Museum Convention Center in Leadville, Colorado.

The 21<sup>st</sup> Annual National Mining Museum and Induction Banquet will begin with an open house and reception at 5:30 pm followed by the dinner and program at 7:00 pm.

#### **LEW EKLUND**

If ever there was a man who epitomizes the American ideal, it is Lew Eklund. Not only is he the proverbial self-made man, he is a man of conscience, integrity, and remarkable generosity. Lew Eklund is the embodiment of everything we believe to be the very best in our national character.

Lew's life reads like a book by Horatio Alger, Jr. Born in 1932 in modest circumstances on a farm in Palermo, North Dakota, Lew learned early the values that have since set him apart from other men. As a child and a young man, he was the helpful, caring big brother in a family of five boys and two girls. At eighteen, he was on his own, working as a "jug hustler" on a seismic oil exploration crew. Then, through sheer industry, thrift, and determination, by the time Lew was 28, he had bought his first rig with wages still owed him by his boss.

Lew named the company Eklund Drilling, and as it grew in size and stature, he never lost sight of what was most important to him as a member of the mining industry – the welfare of the industry itself. To this end, starting with the world-renowned Gardner Denver 15W that he helped design in the mid-1960s, he went on to design the Cyclo Blower and various sampling devices that helped to revolutionize the mining industry by allowing mining companies to effectively sample microscopic gold.

With this task behind him, Lew then decided to tackle the impact that exploratory drilling had on the environment. Lew's concept and help with the design resulted in the famous MPD 1000 Track Rig built by Drill Systems, Inc. The same rig is today's industry standard and is recognized by government regulatory agencies as the answer to environmental concerns on both sides of the debate.

Lew's primary interest was to help the mining industry because, "The mining world has been good to me. I want to leave the woodpile a little bigger than I found it."

All of Lew's designs and inventions have saved his colleagues time, labor, and money. For him, helping his colleagues has been its own reward. Humble, unassuming, and altruistic, Lew did not patent his many designs and inventions; he did not reap royalties. What is unique and remarkable about this very exemplary American is that he wanted to do it his way. He has wanted to share his knowledge, not hoard it. He has wanted others to benefit, not just himself. He has been true to his American values and to himself.

In 1988 Lew's son Lance and daughter-in-law Joanne purchased Eklund Drilling Company from Lance's parents. Today, the core values of honesty, integrity, pride in one's work, and love of our industry, as have been lived and taught by Lew, continue on to the next proud generation.

Lew Eklund deserves recognition, not only for what he has given to the mining industry but for who he is – an honest American. We can be proud to call him one of our own.

# **ANNOUNCEMENT and 1<sup>st</sup> CALL FOR PAPERS**

**GEOLOGICAL SOCIETY OF NEVADA**  
Great Basin  
Evolution & Metallogeny



**2010 SYMPOSIUM**  
**May 14 - 22**

**[www.gsnv.org/Symposium](http://www.gsnv.org/Symposium)  
John Ascuaga's Nugget  
Hotel and Casino  
Reno/Sparks, Nevada**



**ALS Laboratory Group**  
ANALYTICAL CHEMISTRY & TESTING SERVICES



**Mineral Division - ALS Chemex**

We are a global analytical testing company serving the mining and mineral exploration industry in Nevada and around the world.

**We specialise in:**

- Assaying and geochemical analysis for mining and mineral exploration projects
- Environmental monitoring of mining operations
- Acid mine drainage studies

Contact our laboratories in Nevada to find out how we can help you with all of your project's analytical needs.

**RENO, NV**

Phone: 775 356 5395

**ELKO, NV**

Phone: 775 738 2054

**WINNEMUCCA, NV**

Phone: 775 625 4192

[www.alschemex.com](http://www.alschemex.com)

*Right solutions....  
....Right partner*

**North American Exploration Inc.**

We can complete any of your exploration needs. With over 40 years of experience we will work on any job from large to small.

Call us for your next claim staking or soil sampling job, we will not disappoint you.

**801-544-3421**

**North American Exploration, Inc.**

**447 North 300 West Suite 3**

**Kaysville, Utah 84037**

**Fax: 801-544-4554**

**Email: [nae@nae-xploration.com](mailto:nae@nae-xploration.com)**

**GSN Newsletter  
Monthly Advertising Rates**

Business card size (3 1/2 x 2")	\$ 150.00
Quarter page (3 1/2 x 4 3/4")	150.00
Half page (4 3/4 x 7 1/2")	300.00
Classified ads \$10/line (up to business card size)	

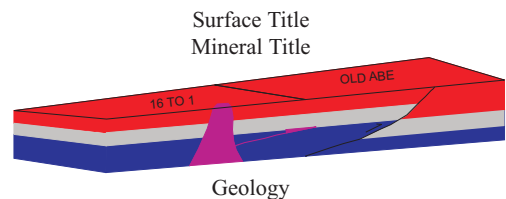
**For an advertising form, call the GSN office at 775/323-3500 or fax 323-3599. Digital or text ads must be received by the 20<sup>th</sup> of the month to appear in the following month's newsletter.**

Advertising guidelines:

- 1) No more than one 1/2 page ad per company/per issue.
- 2) The GSN Newsletter is published monthly except June and July.
- 3) Placement of ads will be rotated and displayed in the order in which the payment is received.
- 4) Digital ads (exported as PDF, TIFF, PICT, or EPS with preview) and payment **must be received by the 20<sup>th</sup> of the month** in order to be placed in the following month's newsletter. (Classifieds need not be camera ready.)
- 5) Depending on response, GSN may have to limit the ads in order to provide opportunity for all.
- 6) The Executive Board reserves the right to reject any ad which it may find inappropriate.

**G.I.S. Land Services**

**Greg Ekins** M.S. R.P.L. #32306 President  
Mineral Landman - Commissioned Abstractor  
"From Courthouse Records to Final Map"



A professional firm of  
Landmen, Geologists, Draftsmen and Technicians  
Providing Abstracts of Title, Land Status and  
Exploration Geology Services  
Utilizing AutoCad - ArcMap - MapInfo - PowerPoint  
[www.gislandservices.com](http://www.gislandservices.com)

5365 Mae Anne Dr., Suite B 14A  
Reno, NV 89523  
Ph: 775-746-8803 Fax: 775-746-8802  
email: [greg@gislandservices.com](mailto:greg@gislandservices.com)



**LET US  
FIND YOU OFFICE  
GOLD!**



**COMMERCIAL REAL ESTATE  
EXPLORATION SERVICES**

We can do the prospecting for you when the time comes to locate your new facility or office. Our locating service is free of charge and includes our expertise and in-depth knowledge of the local market. Call us today and tell us what you're looking for.

775.851.9500 | 775.851.9551 (FAX)  
9533 GATEWAY DRIVE, SUITE B, RENO, NV 89521  
WWW.TRINITYCOMMERCIAL.COM



Western Recon and Mineral Exploration Inc.  
*Claim Staking / Soil Sampling / Exploration Services*  
Gary Castagne 775-250-4879 gmcastagne@gmail.com  
John Fernandez 775-815-2587 nvjfernandez@yahoo.com

Fire Assay  
ICP - OES  
ICP - MS  
AAS  
Custom Preparation  
Bullion Analyses  
BLEG

**Corporate Office**  
1500 Glendale Avenue  
Sparks, NV U.S.A. 89431-5902  
Telephone (775) 356-0606  
Fax (775) 356-1413

Chris Ioannakis, Managing Director,  
Analytical Services



**American  
Assay &  
Environmental  
Laboratories**

**Elko Office**  
2320 Last Chance Road  
Elko, NV U.S.A. 89801-4852  
Telephone/Fax (775) 738-9100

E-mail: AALADMIN@aallabs.net  
Website: www.aallabs.com

**Stephen D. Lappin**

Consulting  
Landman

- Claim Staking
- Mapping
- Land Status
- Title

Cell: (970) 260-0293

Fax: (970) 241-9523

Email: Lappins@earthlink.net

2830 North Ave., C5B #164

Grand Junction, CO 81501



**Enviroscientists, Inc.**

Reno, Nevada Office: Ph (775) 826-8822 Fax: (775) 826-8857

Elko, Nevada Office: Ph (775) 753 9496 Fax: (775) 753 9499

**Notices, Plans of Operations,  
Cost Estimates, TRI, Biological Surveys,  
Air Quality Permits & Audits**

Info@enviroincus.com

www.enviroincus.com

Jo Beth Allen  
Professional Graphics

CAD Drafting/Digitizing/Scanning  
High Resolution Presentation Graphics  
Plotting/Printing  
Geologist

1055 Joshua Drive  
Reno, Nevada 89509

Phone: 775-324-7960

Fax: 775-324-7583

jobeth@yellowsb.net

**MINERAL EXPLORATION SERVICES**

**SOIL SAMPLING  
CLAIMSTAKING  
PROPERTY EVALUATION  
MINE HAZARD FENCING**

5655 Riggins Ct., #15, Reno, NV 89502  
Tel: (775) 954-1082 Fax: (775) 829-6882  
email: day@mineralexploration.com

# Big Sky Geophysics

Clark Jorgensen, M.Sc.  
Geophysicist

*Field Work  
Processing  
Interpretations*

P.O. Box 353  
Bozeman, MT 59771  
USA

Phone: (406) 587-6330  
Fax: (406) 587-6394  
Mobile: (406) 580-9718  
clark@bigskygeo.com

**For more details, my background, and case studies,  
visit my webpage at [www.bigskygeo.com](http://www.bigskygeo.com)**

## HARD ROCK WHEELS, INC.

4WD Pickup Rentals

Howard J. Adams  
14756 Pine Knolls Lane  
Reno, Nevada 89521  
(775) 852-2622  
Fax (775) 852-2075

Taiga Ventures  
2700 S. Cushman St.  
Fairbanks, Alaska 99701  
(907) 452-6631

[hardrockwheels@yahoo.com](mailto:hardrockwheels@yahoo.com)



## Carlin Trend Mining Supplies & Service

[www.carlintrend.com](http://www.carlintrend.com)

369 5th St., Elko, NV 89801  
(775) 778-0668, Fax: (775) 778-0687, [carlintrend@frontiernet.net](mailto:carlintrend@frontiernet.net)

Geological Consulting - Claim Staking - Soil Sampling  
Geology & Drafting Supplies - AutoCad & GIS  
Temporary Employees In All Fields



### What the M2 Crew can do for you:

- |                  |                     |                      |
|------------------|---------------------|----------------------|
| Claim Staking    | Soil Surveys        | 3D Laser Scanning    |
| Core Logging     | Trimble GPS Surveys | Technical Writing    |
| Outcrop Sampling | Sample Preparation  | Geologic Mapping     |
| Surpac Modelling | ArcGIS Mapping      | Database Development |
| RC Chip Logging  | Data Evaluation     | Drill Program Mgmt.  |
|                  | Core Drilling       |                      |

#### MAIN OFFICE LOCATED AT:

4207 E. Rowan Ave.  
Spokane, WA 99217

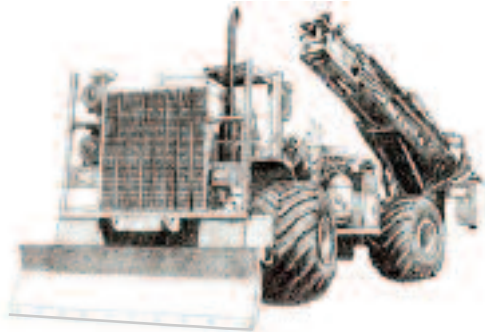
Ph: 509.483.3035  
Fax: 509.483.3040

Ken Mears  
President  
801.971.4065  
Email: [kmears@m2tsi.com](mailto:kmears@m2tsi.com)

John Mears, P. Geo.  
Principal  
509.714.2044  
Email: [jmears@m2tsi.com](mailto:jmears@m2tsi.com)  
[www.m2tsi.com](http://www.m2tsi.com)



## DIVERSIFIED DRILLING, LLC



*Providing Drilling Services To The  
Mining/Metals Industry Since 1980*

3650 Grant Creek Road  
Missoula, Montana 59808  
Phone: (406) 542-1010 Fax: (406) 542-5065  
[www.diversifieddrilling.com](http://www.diversifieddrilling.com)



### ENVIRONMENTAL SERVICES FOR THE MINING INDUSTRY

- Baseline Studies
- Environmental Permitting
- Monitoring & Compliance
- Reclamation & Closure Plans
- Investigation & Remediation

**Elko Location  
775-738-8766**

[www.jbrenv.com](http://www.jbrenv.com)

Reno and Salt Lake City locations



# GEOLOGICAL SOCIETY OF NEVADA

P.O. Box 13375 Reno, NV 89507 USA  
 Phone (775) 323-3500 • Fax (775) 323-3599  
 gsn@gsnv.org • www.gsnv.org

Offices are located on the University of Nevada, Reno Campus Laxalt Mineral Research Center, Room 266  
 Office hours: 8 AM - 3:00 PM, Monday through Friday

## Information About the Geological Society of Nevada

The Geological Society of Nevada (GSN) is a non-profit scientific society whose principal mission is to promote the advancement of the geological sciences, especially as they relate to Nevada. The GSN encourages the dissemination of scientific and practical knowledge through semiformal presentations, field trips and symposia as well as by publishing the literature resulting from these activities.

The majority of the over 900 GSN members are based in Nevada, but members live throughout the United States and in a number of foreign countries. The Society is made up of a broad spectrum of individuals interested in the earth sciences and the natural resource industries. Students are welcomed and encouraged to join and participate in the Society's activities.

The GSN holds dinner meetings, in Reno, on the third Friday of each month from September through May. Elko holds meetings on the third Thursday of each month from January through December. Contact the Southern Nevada Chapter and the Winnemucca Chapter for their meeting schedule. Each meeting is highlighted by semiformal presentations by leading scientists from industry, academia and government. Abstracts of these talks are published in the monthly newsletter and in the membership directory. The membership directory is published annually and is a handy source of names, addresses, phone numbers and email addresses of individuals, companies, government agencies and service providers involved with the earth sciences.

The GSN membership year runs from January 1 through December 31. Early membership renewal will begin September 1. All members who register between September 1 and December 31 will be included in the following year's directory, which will be published in January. Dues are used to pay for expenses for the entire GSN organization and its active Chapters in Elko, Southern Nevada and Winnemucca. Expenditures include publishing and mailing the newsletter and directory, office manager's costs and general office expenses. The three Chapters also hold regular scheduled meetings, conduct field trips and hold occasional symposia on specific geologic topics.

The day to day business of the GSN is managed by the Executive Committee, which is composed of the President, Vice President, Secretary, Membership Chairperson, Treasurer and Publication Chairperson. The overall direction of the GSN and its three chapters is the responsibility of the Board of Directors, which is composed of six elected and five designated members.

Every year the GSN organizes two field trips during the Spring and Fall providing an opportunity for members to learn about the geology and ore deposits of Nevada and surrounding areas. Each of these field trips is documented in a Special Publication, which provides detailed technical reports, road logs, maps and photos for the areas visited. Every five years GSN sponsors a symposium which draws scientists from all over the world to share the results of their work and learn about the work of others. These meetings include a full slate of technical sessions, pre- and post-meeting field trips and a trade show. The symposia have been strongly attended and have gained an international reputation for excellence. Proceedings volumes and field trip guidebooks have been published from these symposia. These volumes have won awards for their quality and, taken together, are considered one of the most extensive and authoritative bodies of literature in the world on the geology and ore deposits of the Great Basin and the American Cordillera. The next symposium is scheduled for May 2010.

The philanthropic mission of the GSN is funded by the GSN Foundation, a 501(c)(3) public charity. The Foundation derives funding from tax-deductible donations, fundraisers and grants from the GSN. Each year, through the GSN Education Committee, the Foundation contributes thousands of dollars toward transportation costs for earth science related, K-12 school field trips. The Education Committee also organizes a speakers bureau and helps with judging of K-12 science fairs. The GSN Foundation also provides funds for scholarships at UNR and UNLV, library grants at UNR and geological mapping grants through the Nevada Bureau of Mines and Geology.

The GSN has an active social calendar that provides opportunities for members to socialize, network, exchange ideas and generally enjoy themselves. In addition to the monthly meetings and semiannual field trips, the GSN holds a spring golf tournament and a fall picnic.



# GEOLOGICAL SOCIETY OF NEVADA

P.O. Box 13375, Reno, NV 89507 USA

Phone (775) 323-3500 • Fax (775) 323-3599 • [gsn@gsnv.org](mailto:gsn@gsnv.org) • [www.gsnv.org](http://www.gsnv.org)

Offices are located on the University of Nevada, Reno Campus, Laxalt Mineral Research Center, Room 266  
Office hours: 8 AM – 3:00 PM, Monday through Friday

The Geological Society of Nevada (GSN) is a non-profit, educational organization whose principal objective is to promote the advancement of geological sciences, especially as they relate to Nevada. GSN supports the dissemination of information through meetings, field trips, publications and academic endeavors. Membership is open to geologists, geophysicists, geochemists, engineers, educators, students, prospectors or anyone else with an interest in the geological sciences and/or the goals of the GSN.

The GSN membership year begins in January 1, 2009. Annual dues of \$50.00 (\$25.00 for full time students) are due prior to December 31, 2008. The GSN conducts a Field Trip in the Fall and one in the Spring of each year. Monthly meetings are held on the third Friday of each month, September through May. The following are sanctioned Chapters of the GSN: Elko Chapter, based in Elko; Southern Nevada Chapter, based in Las Vegas, and the Winnemucca Chapter, based in Winnemucca.

Please help support the GSN Foundation when renewing. Foundation dollars are used for the Kindergarten through 12th grade Field Trip Grant Program, Nevada Mapping Grants and University of Nevada scholarships.

MEMBERSHIP APPLICATION       Renewal       New      Date: \_\_\_\_\_

Name: \_\_\_\_\_ Position/Title: \_\_\_\_\_

Consultant:  Company Name: \_\_\_\_\_

Student:  University: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Country: \_\_\_\_\_

Telephone: Work: \_\_\_\_\_ Fax: \_\_\_\_\_

Cell: \_\_\_\_\_ Residence: \_\_\_\_\_

E-Mail: \_\_\_\_\_ Website: \_\_\_\_\_

I would like to have an asterisk by my name in the directory indicating I am available for consulting.

I have met the licensing requirements and want "QP" (Qualified Person) by my name in the directory.

I authorize GSN to send to me, via email: GSN announcements, publications updates, employment opportunities, etc.	Yes <input type="checkbox"/> No <input type="checkbox"/>
---	---

Transition Membership Dues (Sept - Dec 2008) \$15.00 / Students \$7.50 \_\_\_\_\_

Regular Membership Dues 2009 - email newsletter \$50.00       Honorary \_\_\_\_\_

Regular Membership Dues 2009 - hardcopy newsletter via postal service \$60.00       Honorary \_\_\_\_\_

International Membership Dues - email newsletter only \$50.00 \_\_\_\_\_

International Membership Dues - hardcopy newsletter via postal service \$75.00 \_\_\_\_\_

Student Membership Dues - email newsletter only \$25.00 (Sponsored by Geotemps, Inc. - Nevada Students) \_\_\_\_\_

**Optional Chapter Affiliation** (to be eligible for chapter voting, choose one)

Elko Chapter     Southern Nevada Chapter     Winnemucca Chapter

Student Dinner Fund

I wish to donate to the GSN Student Dinner Fund \_\_\_\_\_

GSN Foundation

I wish to donate to the GSN Foundation \_\_\_\_\_

(Donated funds will be used for unrestricted grants and scholarships unless otherwise specified) \_\_\_\_\_

TOTAL DUE \_\_\_\_\_

Payment:  Check # \_\_\_\_\_     Cash     Visa     MC Card # \_\_\_\_\_    3-digit security code: \_\_\_\_\_

Exp. Date: \_\_\_\_\_ Signature (as it appears on card): \_\_\_\_\_

Return with payment to: Geological Society of Nevada,  
P.O. Box 13375, Reno, NV 89507  
Fax to 775/323-3599, E-mail [gsn@gsnv.org](mailto:gsn@gsnv.org)

For GSN office use only

DB \_\_\_ CN \_\_\_ QP \_\_\_ EN \_\_\_ MN \_\_\_

ST \_\_\_ CP \_\_\_ SD \_\_\_ FD \_\_\_ DR \_\_\_ QB \_\_\_

Submit by Email

Print Form

# GEOLOGICAL SOCIETY OF NEVADA



gsn@gsnv.org • www.gsnv.org  
Telephone (775) 323-3500 FAX (775) 323-3599  
Post Office Box 13375  
Reno NV 89507  
USA

NON PROFIT  
ORGANIZATION  
U.S. POSTAGE  
PAID  
RENO, NV  
PERMIT NO. 931