

# GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Geological Society of Nevada, 2175 Raggio Parkway, Room 107, Reno, NV 89512  
(775) 323-3500 - Hours Monday -- Friday 8-3  
Website: [www.gsnv.org](http://www.gsnv.org) • E-mail: [gsn@gsnv.org](mailto:gsn@gsnv.org)



December 2011, Vol. 27, No. 9

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## CALENDAR OF GSN EVENTS

**Dec 4  
Sunday**

### SO. NEVADA CHAPTER HOLIDAY PARTY WITH THE LOCAL AEG CHAPTER

The Southern Nevada Chapter will be having a combined Holiday Party with the local AEG Chapter at the Las Vegas Natural History Museum, 900 Las Vegas Blvd N. Las Vegas, NV, Tentative Natural History Tour from 3-4 PM, Party in the Orientation Room from 4 PM to 6 PM. Please RSVP to Sara Piper, NDEP, [spiper@ndep.nv.gov](mailto:spiper@ndep.nv.gov).

**Dec. 14  
Wednesday**



### GSN CHRISTMAS MEETING, ROCK RAFFLE & SILENT AUCTION

The Christmas meeting will be held at the Reno Elks Lodge, 597 Kumle Lane, Reno, NV. Drinks at 6:00 PM, dinner at 7:00 PM, and talk at 8:00 PM. Our Speaker is **Rob McEwen, U.S. Gold "Observations and Actions of a New Kid"** (see abstract on page 3). Sponsors for the evening will be **Ruen Drilling Inc. and Mine Development Associates**. Dinner reservations must be made by NOON Monday, December 12th. Contact Laura Ruud at (775) 323-3500 or e-mail [gsn@gsnv.org](mailto:gsn@gsnv.org) for reservations.

**Dec. 14  
Wednesday**

### WINNEMUCCA CHAPTER (Every 2nd Wednesday of the month)

The monthly meeting will be held at the Martin Hotel, 94 West Railroad St. Drinks and Appetizers @ 6:30 PM, Talk @ 7:00 PM. SPEAKER: **Samuel Siebenaler, Newmont Mining Corp. TITLE: Unconformity bound structures within the Etchart Formation of the Dry Hills and Osgood Mountains: Correlation and interpretation of Antler Overlap Sequence deformation and deposition.** Sponsor for the evening is **BOART LONGYEAR**. For more info. contact Erin Gray @ 775-635-6420. Details pg. 9.

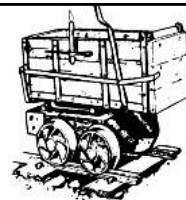
**Dec. 15  
Thursday**

### ELKO CHAPTER (Every 3rd Thursday of the month)

The monthly meeting will be held at the Western Folk Life Center, 501 Railroad St. Refreshments at 6:00 PM, Entertainment at 7:00 PM. Entertainment TBA Sponsor of the Bar/Food/Entertainment is **BOART LONGYEAR**. For more information contact Jared Townsend at [jtownsend@barrick.com](mailto:jtownsend@barrick.com) or Doug Eck, at [deck@barrick.com](mailto:deck@barrick.com).

## G.S.N. DECEMBER MEETING SPONSORS

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**MINE DEVELOPMENT  
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**FROM THE PRESIDENT**  
**William Howald, G.S.N. President 2011—2012**

Seasons Greetings GSN Members:

December is here and it's the last month to get your membership dues in so you can be part of the 2012 GSN directory – DON'T MISS OUT.

It's also the end of most exploration and mining companies' budget year so if you work for a large corporation, you are making accruals for the year-end budget and working out ways to wisely use the last of the funds because everyone knows – use it or lose it (an espresso maker is always a nice addition to the office). If you're a junior company, you are looking at your bank account and wondering if you spent the money wisely and perhaps you could get a larger company to take an equity position in your junior company because you know - if they don't use it, they may lose it. However, if you are really clever, you are a consultant trying to figure out a way to expense your upcoming trip to Hawaii because you really need to know what unaltered volcanics look like!

When I was eight years old, my parents, youngest older sister, and I went to Hawaii for the holidays. I spent most of the time wondering how Santa Claus was going to find us, swimming in the Pacific Ocean, and eating macadamia nuts. I still have fond memories of Santa arriving in his festively decorated outrigger canoe on Waikiki beach and was pleasantly surprised at how attentive he was to my teenage sister as she sat on his lap. Sadly, Santa didn't greet me with the same sense of enthusiasm; however, I was more distraught over not knowing if Santa's reindeer had drowned in the Pacific and that his sleigh was actually a canoe!

We searched the various beach resorts for a suitable Christmas dinner. I believe we found a buffet serving merry, umbrella-clad fruity drinks and Holiday Spam. The surroundings and food were different, but the familiarity of family made it feel like the Holidays; however, I can't eat macadamia nuts to this day.

Over the last 25 years, my family and I have managed to travel home to Montana for the Holidays to spend time with our families on the "Richest Hill on Earth" in Butte, Montana, and this year will be no different. Every year, the trip coincides with the most intense driving snowstorm, which is almost always capped off with sub-zero temperatures that intersect at the point where Fahrenheit and Celsius scales are the same (that's at minus 40 if you didn't already know). So why would I head to the cold when the warm is much better? The answer is very simple – family and friends.

You can see and feel the holiday warmth year round when the members of the Nevada geologic community come together not only at the GSN but on field trips and project evaluations around the world. We truly are a close-knit group of people with long lasting friendships and a common interest. Like you, I've arrived in mining centers in other parts of the planet to run into people I know from Reno, Elko, Winnemucca and other Nevada communities. It's always great to see someone you know in a far away land. The connection is instantaneous and the fun usually spontaneous – even when we are assessing the same project.

Every year the holiday season gives us the opportunity to slow down, reflect, reconnect and cherish the important people and aspects of our lives. I hope this Holiday Season, you make your trip back to "Montana" and share your stories with family and friends. I look forward to seeing all of you at the GSN Holiday party – HAPPY HOLIDAYS EVERYONE AND A HEALTHY, HAPPY AND PROSPEROUS NEW YEAR!



**ELKO CHAPTER  
DECEMBER MEETING SPONSOR**



**Marty Dennis, Zone Manager**

**Darrell Tweidt, Business Development**

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Fax: 775-753-9229

**Thanks to Kappes, Cassiday & Associates  
For Hosting the November Meeting!**

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# *GSN December 14, 2011 Raffle & Auction Christmas Meeting*

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## **Reservations Are Required - Please Cancel if You Are Unable to Attend**

GSN CAN NO LONGER GUARANTEE DINNER SEATING WITHOUT ADVANCE RESERVATIONS.  
Please call 775-323-3500, Fax 775-323-3599 or e-mail [gsn@gsnv.org](mailto:gsn@gsnv.org) by **NOON on Monday December 12, 2011**.  
Social Hour: 6:00 PM – Dinner: 7:00 PM – Speaker: 8:00 PM  
**\$20.00 per person**

Location: Elks Lodge, 597 Kumle Lane, Reno, NV  
Directions: across (W) from the Reno-Sparks Convention Center  
(S. Virginia Street, behind the Les Schwab Tire Center)

**Prepaid dinner reservations will only be accepted for the current monthly meeting.  
Cancellations must be received two days before the meeting in order for your money to be refunded.**

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## **“Observations and Actions of a New Kid”**

**Rob McEwen, Chairman, CEO, largest shareholder of US Gold – founder and former  
Chairman, CEO and largest individual shareholder of Goldcorp Inc.**

### **Abstract**

Why is making a discovery so hard?

There are many reasons: Your boss, your training and experience, your company, your tools, how you present, your target generation, where you are in the world., etc.

I grew up in the investment industry before jumping into the exploration/mining business with both feet.

What I found was an industry with a lot of inertia. It was slow to accept new ways, wary of adopting outside technology and comfortable with the refrain of “we have always done it that way”. I also found unimaginable challenges, adventures and success. My inexperience allowed me to ask questions that most considered out of hand, not relevant or crazy. But I did know that because I didn’t grow up in the industry with its unquestioned fundamental assumptions.

In 2000, the Goldcorp Challenge was launched and received by the industry as a curiosity. Its story which will be told on December 14<sup>th</sup> will provide the observations and insights that I believe can make a discovery easier to make.

### **Rob McEwen Biography:**

Rob McEwen is the Chairman, CEO and largest shareholder of US Gold Inc. and Minera Andes Inc. He is the founder and former Chairman and CEO of Goldcorp Inc. which is, by market capitalization, the second largest gold producer in the world. In 1990, Rob jumped from the investment industry into the mining industry, where he transformed Goldcorp Inc. and a collection of small companies into a mining powerhouse. Since 1993, when Rob started restructuring Goldcorp Inc., its market capitalization grew from \$50 Million to over \$8 Billion and its share price increased at compound annual rate of growth of 31%.

Rob holds an Honorary Doctor of Laws Degree, York University, Toronto, Ontario, Canada, MBA from Schulich School of Business, York University, Toronto, Ontario, Canada and a BA from the University of Western Ontario, London, Ontario, Canada.

Rob and his wife, Cheryl, have donated in excess of \$40 million to encourage excellence and innovation in healthcare and education. Their donations have led to the establishment of the McEwen Centre for Regenerative Medicine at Toronto General Hospital and of the McEwen Leadership Program at St. Andrew’s College. In addition, significant donations were made to the Schulich School of Business, the Margaret Cochenour Memorial Hospital, Lakefield College and Red Lake Regional Heritage Centre to further their efforts to be the best in their respective fields.

Rob is a passionate innovator and marketer and an avid recreational competitor. He is also a member of:

(Continued on page 10)

# FACES OF GSN

*Erin Gray*

*Newmont Mining Corp.*

&

G.S.N. Winnemucca Chapter President 2011/2012



I am still relatively young in my career as a geologist, but the past four years have been filled with amazing experiences. My life started along the shores of Lake Michigan in southeastern Wisconsin. Every summer my family and I would drive across the continental US camping in both State and National Parks as we explored our country. These camping trips introduced me to the various landscapes of our nation, from the beautiful painted deserts of the southwest to the tree filled skylines of New England. It was during these family vacations that I developed my interest and respect of the natural world and drove me to seek out advanced science classes in high school.

After graduating high school I headed to the University of Wisconsin-Madison for college. I had developed a passion for journalism and my goal was to be a writer for a magazine like National Geographic or Smithsonian. The college had a few guidelines for degrees and I needed to take a physical science class to graduate. I ended up selecting Introduction to Geology spring semester freshman year. It was the first geology class I had ever taken and I did not have high expectations. I was hooked by the second week of the class and I knew I wanted to learn more about geology. The summer between by freshman and sophomore years, I participated in a paleontology dig in the Western US. In my free time I then worked in the fossil prep lab and volunteered giving

tours at the Geology Museum. All the while I continued to take more advanced and interesting geology classes. Still, I had no idea I would end up working as an economic geologist.

My college career was coming to a close during 2007 and my final geology class was field camp. The class was conducted in Wasatch-Uinta Mountains over near Park City, Utah. During the class a few geologists from Newmont came to visit and spend time with us mapping in the field. One of the geologists was an old student of my professor and mentor in college. One thing led to another, and I left field camp with a job offer to work for Newmont.

Two weeks later I packed up my car to drive out west to a place called "Winnemucca". Anything that didn't fit in the car was sold or donated, and this really gave me a fresh start for the next chapter of my life. I arrived in Winnemucca and I definitely had some mixed feelings about my new situation. I decided to give the new town and job a chance and I'm glad I did.

My first job was Underground Ore Control Geologist at the Midas Mine. It was fast paced and kept me on my toes. Later, I developed my professional skill set when I started doing geologic and resource modeling and drill hole design. A few years later I was transferred to an underground development group and I was able to see the creation of a new underground exploration portal. I am extremely happy to be a member of this geologic community and I truly believe the rest of my career will be as fast paced and interesting as the beginning of my career.



# G.S.N. HONORARY LIFETIME MEMBERS

*At this special time of year we would like to recognize our Honorary Members, both past and present, who have made a difference in the world of Nevada geology!*



**Harold F. Bonham, Jr.**  
Geologist - NBMG/Retired  
265 Mia Drive  
Sparks, NV 89436  
775/424-2806

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Geologist/Owner – Galli Mineral Associates  
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Chiloquin, OR 97624  
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1700 Trail Creek Way  
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**\*Deceased Honorary Members**

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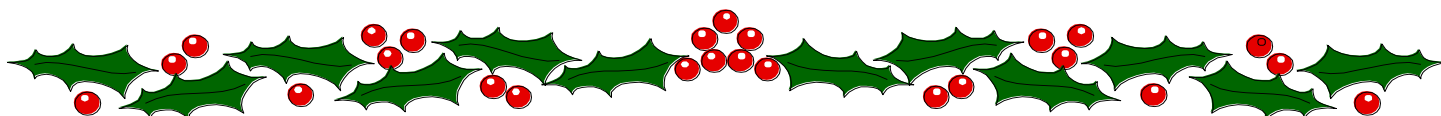
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Please remember to donate to the Foundation when renewing your dues. Your Tax-Deductible gifts go to Scholarships, Field Camp and K-12 Earth Science Field Trips!!

## 2012 GSN DIRECTORY

Download the GSN Directory Advertising Order Form from the

GSN website: <http://www.gsnv.org/membership.html>

Members who wish to advertise in the 2012 GSN Membership Directory should submit a camera-ready high resolution black and white digital copy no later than December 23, 2011 to

[gsn@gsnv.org](mailto:gsn@gsnv.org)

Please send your advertisement and check or credit card number by December 23, 2011 to:  
Geological Society of Nevada, 2175 Raggio Parkway, Room 107, Reno, NV 89512

E-mail digital advertisements to: [gsn@gsnv.org](mailto:gsn@gsnv.org)

### *Dues Renewal Deadline is December 31, 2011*

You can renew your dues now by downloading the form from the GSN website:

<http://www.gsnv.org/membership.html>



Women's Mining Coalition has begun its 2012 Membership Drive. Dues are still only \$30.00 per year, even though the value of a membership in WMC just keeps increasing. WMC offers its members timely information about upcoming legislation, as well as a chance to impact that legislation by participating in the annual Fly-In in Washington DC. WMC is a growing network of powerful women who are actively engaged in the domestic mining and exploration industry. If you value having a voice in decisions affecting mining and exploration in the United States, please consider joining as a new member of WMC or renewing your ongoing membership. Please visit [www.wmc-usa.org](http://www.wmc-usa.org), and click on Join Us! Thank you for your continuing support!

The Northern Nevada Section of the  
Society for Mining, Metallurgy, and Exploration  
Reno, Nevada

### **ANNUAL CHRISTMAS PARTY**

*Saturday, December 10, 2011*

The Mandalay - Ballroom A  
Circus-Circus Hotel and Casino, Reno  
**Cocktails & Hors d'oeuvres: 6-7:00P.M.**

**Dinner: 7-8:30P.M.**

**DANCING AND DOOR PRIZES 8:30 TO 11:00 P.M.!**

*Live Entertainment will be provided by:*

**The Great Basin Brass Quintet**

**Cost: \$60.00 per person**

**Please make reservations by Monday December 5th**

**Kaitlin Sweet ([kcsweet@enviroincus.com](mailto:kcsweet@enviroincus.com)),**

**Phone #: 775.826.8822**



**Geological Society of Nevada, Southern Nevada Chapter  
and  
Southern NV Association of Environmental and Engineering Geologists**

**Holiday Party  
At the  
Las Vegas Natural History Museum**

**December 4, 2011**

Tentative Natural History Tour from 3 PM to 4 PM with

Barbara Adams: Curator of Natural History

Party to Follow in the Orientation Room

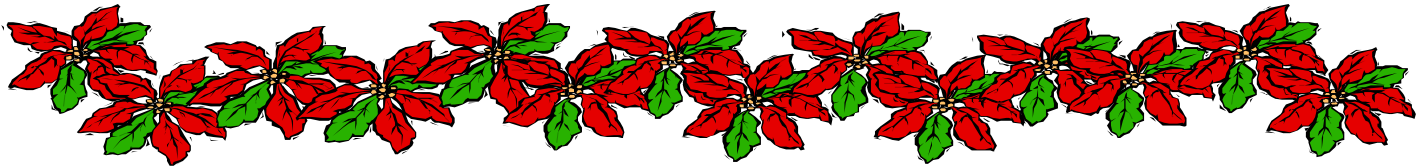
From 4 PM to 6 PM

Entrance is free to GSN and AEG

Located: 900 Las Vegas Blvd N.

Las Vegas, NV 89101

Please RSVP Sara Piper, [spiper@ndep.nv.gov](mailto:spiper@ndep.nv.gov)



**GSN Foundation News**

GSN scholarships are funded through the Geological Society of Nevada Scholarship Endowment Fund and directed toward students in the geosciences. The market value of the Fund at the end of June 2011 was about \$54,000. UNR Foundation’s policy is to payout 5% of the Fund’s value each year to be used for scholarships. This year our scholarship funds are supporting three students, all seniors.

Anna Hoffmann is a geology major, originally from Florida. She is planning on entering the workforce upon graduation and will be looking for a position with a mining/exploration company. Craig Desbrow is also a geology major who came to UNR from California. He also plans on seeking a position with a mining/exploration company upon graduation this spring. Justine Overacker, also from California, is majoring in geophysics and has applied to graduate school starting in the fall.



Roger C. Steininger  
Chair, GSN Foundation



## GSN Winnemucca Chapter Meeting

December 14, 2011

“Unconformity bound structures within the Etchart Formation of the Dry Hills and Osgood Mountains: Correlation and interpretation of Antler Overlap Sequence deformation and deposition.”

Samuel Siebenaler, Geologist, Newmont Mining Corp.

### ABSTRACT

Pennsylvanian (IP) and Permian (P) deposits (Etchart Formation) and structures in the northern Osgood Mountains and Dry Hills are identified and interpreted to reconstruct a late Paleozoic tectonic history for the time between the Antler and Sonoma orogenies. Field data collection within the Etchart Formation identifies three fold and fault sets, a fault set, a fold set, and at least two angular unconformities: the C6 and P1 angular unconformities of Trexler et al. (2003).

Interbedded Permian age conglomerates that contain Atokan age clasts require reevaluation of the presence of Battle Formation in the area and indicate Permian uplift and erosion of Pennsylvanian age deposits. Lithologic characteristics of the Etchart members imply that increasing amounts of siliclastic material was shed into the Dry Hills basin from the IP to the early P, also coinciding with increased frequency of tectonism and increasingly shallow depositional environments.

Using crosscutting relationships and parallelism, the structures are interpreted to be the result of at least six deformational events during or after IP and P time. Timing of the oldest four of these deformations is between Atokan and Leonardian stages based on unit ages, stratigraphic relationships, and structural overprinting.

Correlation of units in the Dry Hills to those at Edna Mountain, Carlin Canyon, and the Pequop Mountains are used to fit the local structural history of the Dry Hills into the regional tectonic history. The structural and depositional history of the Osgood Mountains and Dry Hills are plotted along with six other locations at various time intervals. This analysis suggests relatively “major” regional shortening events in the Atokan and Missourian stages, resulting in largely parallel structures, and the C6 and P1 unconformities. Several other “lesser” contractional events occur in the region during the Desmoinesian, Wolfcampian, and Leonardian stages with scattered orientations.

### WINNEMUCCA CHAPTER DECEMBER MEETING SPONSOR



Marty Dennis, Zone Manager

Darrell Tweidt, Business Development

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Fax: 775-753-9229

**GSN December Meeting**  
**SILENT AUCTION & RAFFLE ITEMS STILL NEEDED!!**

It's not too late to donate items for the Geological Society of Nevada Foundation's fundraiser "Rock Raffle and Silent Auction" to be held at our annual Christmas meeting on December 14, 2011. Please send donated items to DD LaPointe, NBMG, or Rachel Dolbier, Keck Museum, or call them to arrange pick-up of donated items if you are in the Reno-Sparks-Carson City area. **We need to have all items in hand by Monday, December 12, 2011** in order to prepare labels and make bid sheets. Donors will have their names displayed on signs at the event as well as having their names listed in the January newsletter.

(Speaker Biography—continued from page 3)

Dean's Advisory Board, Schulich School of Business;  
X Prize Foundation: Vision Circle and Board of Trustees;  
International Society of Stem Cell Research (ISSCR); Global Advisory Council;  
Disruptive Science Technology, Editorial Board; and  
CEO (Chief Executive Organization) and WPO (World Presidents' Organization).

Rob's efforts have been recognized with the following awards:

November 2010: Paul J. Hill School of Business Leadership Award  
June 2007: Order of Canada  
May 2007: Canadian Youth Business Foundation – Lifetime Achievement Award  
April 2007: St. George's Society's – Award of Merit for Community Service  
March 2007: Schulich School of Business – Alumni Recognition Award Outstanding Executive Leadership  
October 2006: Tiffany & Co. – Tiffany Mark Award  
October 2006: Canadian Business magazine's "Most Innovative CEO"  
February 2005: "Honorary Doctor of Laws Degree", York University  
May 2007: Canadian Museum Association "Outstanding Achievement Award", Philanthropy Category  
January 2003: The Northern Miner's – "Mining Man of the Year Award for 2002"  
September 2002: Ernst & Young's, 2002 Ontario Entrepreneur of the Year Award in the Energy Category  
August 2002: Canadian Business Magazine Annual Board Survey – 16<sup>th</sup> Best Board of Directors in Canada  
March 2002: Prospectors and Developers Association of Canada (PDAC) "2001 Viola R. MacMillan Award for Developer of the Year."  
March 2002: Fast Company Magazine – "The Fast 50, Champion of Innovation" – First Annual Global Reader's Challenge  
February 2002: Investor Relations Magazine 2002 Awards – Best Senior Management Communications in Canada – nominated for three other awards  
September 2000: Business Week Magazine – "Web Smart 50" One of the most 50 innovative companies on the web worldwide.



### **AIPG 22ND ANNUAL EXPLORATION ROUNDUP**

The AIPG, Nevada Section, is pleased to host the 22<sup>nd</sup> annual Exploration Roundup at the Ramada Inn in Reno. Our program calls for eight to ten speakers who will make brief (8-10 minute) power point presentations of their company's 2012 exploration and budget plans.

Boart Longyear (Marty Dennis, Darrell Tweidt, Al Frank) has graciously agreed to host the cocktail hour and sponsor the costs of the UNR students who are part of the AIPG/Mackay Rockhounds student club.

Global Hydrologic Services, Inc. (Mark Stock) is providing three crystal specimens for auction. The proceeds from this auction will help sponsor the UNR student geology club for expenses related to field trips.

Date: Tuesday, December 20, 2011  
Place: Ramada Inn, 6<sup>th</sup> and Wells, Reno, Nevada  
Time: 6:00 PM Cocktail Hour  
7:00 PM Dinner  
8:00 PM Program  
Cost: \$50.00 Check or Cash Only: We don't take credit cards  
Reservations: Contact Kel Buchanan at 775 786-4515 or [summitcrk@aol.com](mailto:summitcrk@aol.com)

\* Note: reservations close Friday, December 16<sup>th</sup>: space limited

# Activity Update

Mike Brady, October 2011  
Nevada

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

Global Geoscience Ltd. announced that recent drill results at the Excelsior Project include 0-3 meters @ 4.7 gpt Au (GE02); 93.0-100.6 meters @ 5.1 gpt Au (GE08); 19.0-26.6 meters @ 2.9 gpt Au (GE14) and 117.3-123.4 meters @ 1.9 gpt Au (GE19). *M.J.:* September 30

General Moly Inc. announced that based on recent studies at the Tonopah/Liberty Project, reserves aggregate 541,400,000 tonnes @ 0.065% Mo, 0.08% Cu proven+probable. (was 181,800,000 tonnes @ 0.12% Cu, 0.12% Mo indicated) *M.J.:* October 7

Corvus Gold Inc. announced that based on recent drill results at the North Bullfrog Project, resources aggregate 15,300,000 tonnes @ 0.37 gpt Au, 0.44 gpt Ag indicated and 155,600,000 tonnes @ 0.28 gpt Au, 0.84 gpt Ag inferred. (was 2,018,000 tonnes @ 0.89 gpt Au indicated and 950,000 tonnes @ 0.78 gpt Au inferred) *M.J.:* October 7

Barrick Gold Corp. announced that open-pit reserves at the Goldstrike Mine aggregate 87,150,000 tonnes @ 3.45 gpt Au proven+probable. (was 75,365,000 tonnes @ 3.82 gpt Au proven+probable) *2010 Annual Report*

Barrick Gold Corp. announced that underground reserves at the Goldstrike Mine aggregate 9,884,000 tonnes @ 9.28 gpt Au proven+probable. (was 8,180,000 tonnes @ 10.85 gpt Au proven+probable) *2010 Annual Report*

Barrick Gold Corp. announced that reserves at the Cortez Mine aggregate 288,255,000 tonnes @ 1.57 gpt Au proven+probable. (was 221,517,000 tonnes @ 1.98 gpt Au proven+probable) *2010 Annual Report*

Barrick Gold Corp. announced that reserves at the Bald Mountain Mine aggregate 224,283,000 tonnes @ 0.65 gpt Au proven+probable. (was 206,678,000 tonnes @ 0.68 gpt Au proven+probable) *2010 Annual Report*

Barrick Gold Corp.(50%) announced that reserves at the Round Mountain Mine aggregate 132,758,000 tonnes @ 0.61 gpt Au proven+probable. (was 143,285,000 tonnes @ 0.65 gpt Au proven+probable) *2010 Annual Report*

Barrick Gold Corp.(75%) announced that reserves at the Turquoise Ridge Mine aggregate 11,217,000 tonnes @ 15.56 gpt Au proven+probable. (was 9,734,000 tonnes @ 17.30 gpt Au proven+probable) *2010 Annual Report*

American Vanadium Corp. announced that based on recent drill results at the Gibellini/Louie Hill Project, reserves aggregate 8,700,000 tonnes @ 0.255% V2O5 proven+probable oxide and 9,400,000 tonnes @ 0.350% V2O5 proven+probable transition. *M.J.:* October 14

Miranda Gold Corp. announced that recent drill results at the Red Canyon Project include 33.55-39.65 meters @ 7.07 gpt Au (MR11-01); 74.72-83.87 meters @ 3.92 gpt Au (MR11-03) and 74.72-80.82 meters @ 0.34 gpt Au (MR11-07). *Press Release:* October 12

International Millennium Mining Corp. announced that recent drill results at the Nivloc Project include 168.97-202.52 meters @ 72 gpt Ag, 0.57 gpt Au (11NL-19); 255.95-266.17 meters @ 112 gpt Ag, 1.02 gpt Au (11NL-20); 154.54-215.8 meters @ 120 gpt Ag, 1.01 gpt Au (11NL-21) and 204.35-209.84 meters @ 191 gpt Ag, 2.05 gpt Au (11NL-22). (resource = 564,500

tonnes @ 1.0 gpt Au, 153.5 gpt Ag inferred) *Press Release:* October 18

Paramount Gold + Silver Corp. announced that recent drill results at the Sleeper/Pad Project include 2.4-6.0 meters @ 0.64 gpt Au, 3.5 gpt Ag (PGC11-011); 192.0-216.4 meters @ 0.63 gpt Au, 1.3 gpt Ag (PGC11-022) and 137.2-158.5 meters @ 0.97 gpt Au, 1.7 gpt Ag (PGC11-023). (resource = 26,960,000 tonnes @ 0.85 gpt Au, 5.8 gpt Ag indicated) *Press Release:* October 20

Timberline Resources Corp. announced that recent drill results at the Lookout Mountain Project include 32.0-94.5 meters @ 1.48 gpt Au (BHSE-096); 36.6-85.4 meters @ 1.15 gpt Au (BHSE-099); 41.1-70.1 meters @ 1.89 gpt Au (BHSE-102) and 33.5-86.8 meters @ 1.18 gpt Au (BHSE-104). (resource = 12,400,000 tonnes @ 0.72 gpt Au measured+indicated) *Press Release:* September 29

Scorpio Gold Corp.(70%) announced that recent drill results at the Mineral Ridge/Brodie Project include 7.62-13.72 meters @ 1.01 gpt Au (MR11201); 13.72-15.24 meters @ 0.68 gpt Au (MR11202); 9.15-13.72 meters @ 1.0 gpt Au (MR11211) and 0-4.57 meters @ 0.43 gpt Au (MR11215). (resource = 4,230,000 tonnes @ 1.47 gpt Au indicated) *Press Release:* October 18

Nevada Copper Corp. announced that recent drill results at the Pumpkin Hollow Project include 358.1-403.8 meters @ 0.71 gpt Au, 0.09 gpt Au (NC11-16); 242.3-271.3 meters @ 0.84% Cu, 0.07 gpt Au (NC11-17) and 138.7-157.0 meters @ 0.29% Cu, 0.03 gpt Au (NC11-23). (resource = 155,900,000 tonnes @ 0.59% Cu, 0.10 gpt Au measured) *Press Release:* October 18

Midway Gold Corp. announced that based on recent drill results at the Pan Project, resources aggregate 80,037,000 tonnes @ 0.44 gpt Au measured+indicated and 3,928,000 tonnes @ 0.36 gpt Au inferred. (reserve = 37,700,000 tonnes @ 0.58 gpt Au proven+probable) *Press Release:* October 4

Bravada Gold Corp. announced that recent drill results at the Wind Mountain Project include 1.5-15.2 meters @ 0.60 gpt Au, 18.1 gpt Ag (WM11-068); 2.0-29.0 meters @ 0.51 gpt Au, 20.5 gpt Ag (WM11-069); 7.6-24.4 meters @ 0.21 gpt Au, 11.9 gpt Ag (WM11-070) and 0-30.5 meters @ 0.25 gpt Au, 9.8 gpt Ag (WM11-071). (resource = 24,454,000 tonnes @ 0.41 gpt Au inferred) *Press Release:* October 3

Allied Nevada Gold Corp. announced that recent drill results at the Hasbrouck Project include 9-126 meters @ 0.9 gpt Au, 21.3 gpt Ag (HSB11-073); 7-112 meters @ 1.1 gpt Au, 20 gpt Ag (HSB11-091) and 146-280 meters @ 0.53 gpt Au, 14 gpt Ag (HSB11-092). (resource = 18,400,000 tonnes @ 0.78 gpt Au, 11 gpt Ag indicated) *Press Release:* October 18

Max Resource Corp. announced that recent drill results at the Majuba Hill Project include 76.2-126.5 meters @ 0.31% Cu, 0.31 gpt Au, 50.8 gpt Ag (MM-07); 1.5-97.5 meters @ 0.57% Cu, 0.10 gpt Au, 39.2 gpt Ag (MM-06); 68.6-114.3 meters @ 0.56% Cu, 0.07 gpt Au, 15.4 gpt Ag (MM-02) and 0-111.2 meters @ 0.06% Cu, 3.1 gpt Ag (MM-16). *Press Release:* October 25



**Thanks to Newmont Mining Corp. and Barrick Gold Exploration  
For Sponsoring the joint Winnemucca/Elko Chapters' Meeting  
On November 10th in Battle Mountain, Nevada!**

# OBITUARIES

## Raul J. Madrid Ph.D

Raul J. Madrid Ph.D passed away suddenly on Tuesday, November 8, 2011 in Napa, California at the age of 66. Dr. Madrid is survived by his loving wife Helen, his daughter Elizabeth, and his son Alex, as well as three grandchildren.

Dr. Madrid served his country for two years in the US Army, one of which was spent in Vietnam. He graduated in 1975 with a BA degree from the University of California at Berkeley, attended San Jose State University and, in 1987, received his Ph.D from Stanford University under a National Science Foundation Fellowship in geology.

After graduating from Stanford, Dr. Madrid worked as a research geologist/scientist for several years at the U.S. Geological Survey. He became co-leader with the legendary Dr. Ralph Roberts and then chief of the Disseminated Gold Program of the USGS. From 1988 to 1993 Dr. Madrid and Dr. Roberts formed their own consulting company and worked with many large and small mining companies. Dr. Madrid went on to consult for several other companies where he is credited with discovering significant gold deposits in Spain and North and South America. Until recently he was Vice President, Exploration, for Victoria Gold Corp. where he discovered the Helen Zone, named after his wife Helen, at the Cove-McCoy property in Northern Nevada. At the time of his death, Dr. Madrid was a structural geology advisor for Lynden Energy Corp.

Dr. Madrid will be dearly missed by his family and his many friends and colleagues.

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A private memorial service will be held at a later date. The family asks that in lieu of flowers, anyone who wishes to honor Raul's life can make a donation in his name to the G.S.N. Foundation, 2175 Raggio Pkwy, Reno NV 89512. Please designate your donation for Geology scholarships at the Mackay School of Earth Sciences & Engineering, or for Geology Field Camp scholarships.

## J. Howard McCarthy

As a chemist and geologist, Joseph Howard McCarthy Jr. helped define major gold and lithium deposits in Nevada and looked for clues to a cause for the Fallon cancer cluster. McCarthy, who died Nov. 8 at the age of 84, worked for the U.S. Geological Survey for 50 years, first in Denver and later moving to Reno in 1988 when an office opened attached to the Mackay School of Mines.

USGS research geologist Lisa Stillings said one device McCarthy developed was a quadruple mass spectrometer that he mounted in the back of a government-issued Jeep Cherokee. The device measured the gases coming out of soil and allowed him to map mineral and petroleum deposits, since the minuscule amounts of gas coming out of the soil above these deposits was different from gas above other soils. Mounting it in a vehicle allowed McCarthy to get instant readings rather than taking the results back to a laboratory and allowed him to immediately follow the trail to determine the boundaries of the deposit. Stillings said that device worked as both a reconnaissance tool to find anomalies and a device to measure why it was different and how much was there. Chevron knew about a uranium deposit on federal land near McDermitt, but McCarthy was part of the USGS team that described the other components of the deposit, including lithium, Stillings said. That lithium deposit is being developed as a green energy source now.

"He was just a joy to be with in the office because he was always very genial and happy to see people," Stillings said. McCarthy was interested in the research of his colleagues, she said. Plus, he always wore a tie and suit and was at work promptly at 8 a.m. every day. "He always made our office look good," Stillings said.

USGS research geologist Alan Wallace knew McCarthy for more than 40 years and worked with him in Denver before also working with him in Reno. He noted McCarthy's techniques of using gas to look for mineral and oil deposits found things where no one knew they existed. The technique detected hydrocarbons in Buena Vista Valley between Lovelock and Winnemucca and pointed to an oil deposit no one knew existed, Wallace said. It was not large enough to be profitably drilled but showed the technique worked.

McCarthy used his skills to look for deposits in Latin America and other places in the United States, Wallace said. In his retirement, McCarthy tried to see if the technique could be used to help pinpoint a cause of the Fallon cancer cluster, Wallace said. McCarthy seemed to be his happiest when he was out in the mountains and valleys making observations, Wallace said. "He, like all of us, just couldn't wait to get out into the field and do his thing, collecting data and what not," he said.

McCarthy's son Dave remembered as a child camping with his father as he explored rural Nevada. "We went out with him as kids," Dave McCarthy said. "So, we'd camp out with him the whole summer while he was out looking at rocks." Dave McCarthy said his father loved his children and grandchildren. Joseph McCarthy also gave monthly to charities, and his work also was important. "Literally, his full-time passion, six or seven days a week, was geology," Dave McCarthy said.

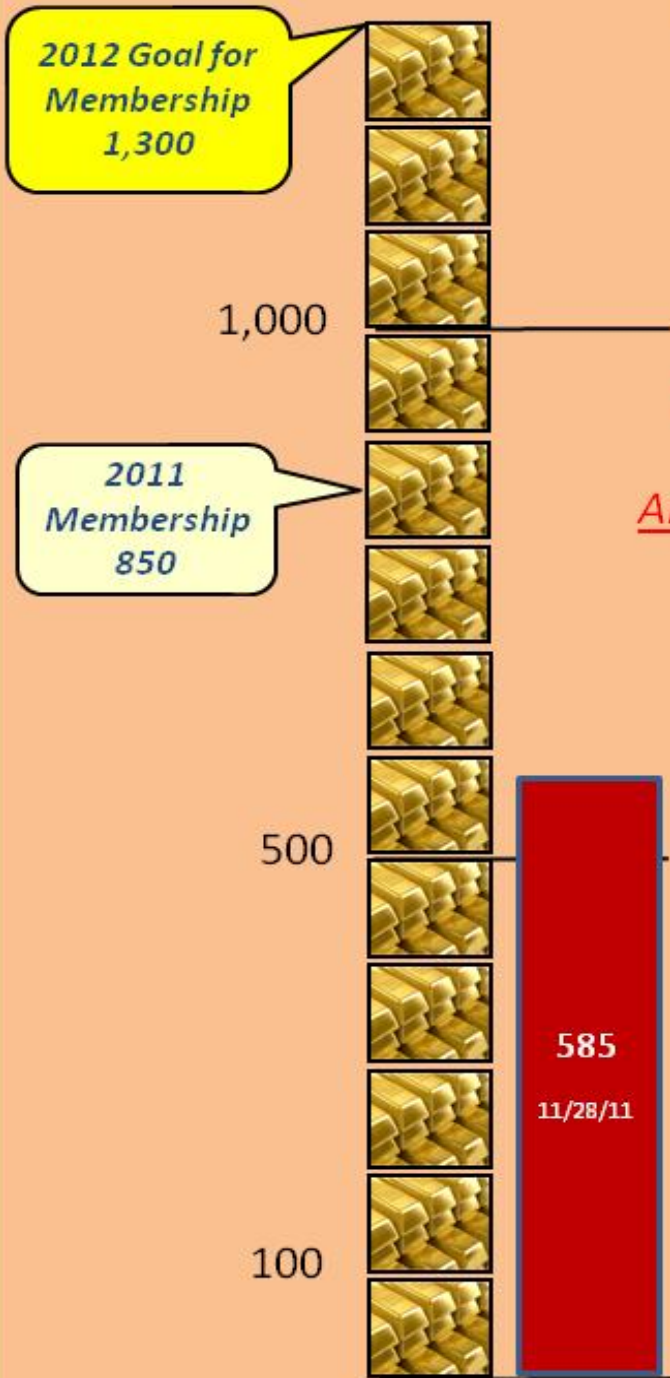
Joseph Howard McCarthy was preceded in death by his wife, Henriette, in 1969. Survivors include his sons, Thomas McCarthy of Boulder, Colo., David McCarthy of Greenwood Village, Colo., and Steven McCarthy of Longmont, Colo.; daughters, Jennifer Reanier of Klamath Falls, Ore., Laura Daniels of Reno and Michelle McCarthy of Las Vegas; and 12 grandchildren.

In lieu of flowers, the family asks that donations be given to Habitat for Humanity.

<http://www.legacy.com/obituaries/rjg/obituary.aspx?n=howard-mccarthy&pid=154629475> (Link to previous article in the RGJ)



## Goal for 2012



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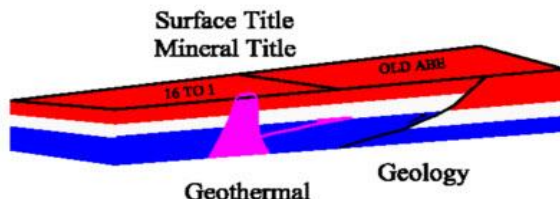
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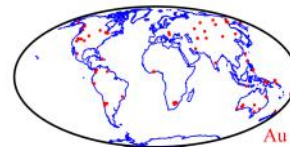


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