

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 • E-mail: gsn@gsnv.org



December 2010, Vol. 25, No. 10

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CALENDAR OF GSN EVENTS

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Dec. 2
Thursday

SOUTHERN NEVADA CHAPTER

The Southern Nevada Chapter are ending the year with a combined AEG, GSN and NFOP holiday party. This will be held at the Nevada State Museum at Lozenzi Park. Social hour begins at 6:30 pm. The speaker for the evening will be Nick Saines, Saines Environmental Hydrology. His talk is titled "Lost Afghanistan". See page 9 for details). For more information contact Josh Bonde at 702-468-2500.

Dec. 8
Wednesday

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

The monthly meeting will be held at the Martin Hotel, 94 West Railroad Street. Drinks and appetizers at 6:30 PM, speakers at 7:00 PM. Sponsors for the evening will be Carlin Trend, Dave Knight and Golder Associates, Inc. Open mic night-short talks by members encouraged! (see page 9 for details). For more information contact Rebecca Morris at (775) 304-2661.

Dec. 15
Wednesday

GSN MEMBERSHIP MEETING

The monthly 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. Sponsor for the evening will be ALS Minerals and Agnico Eagle. Speaker for the evening will be Fred Holabird, President, Holabird-Kagin Americana. His talk is titled "**Treasure of the SS Central America**". (see abstract on page 3). Dinner reservations must be made by 1:00 PM Monday, December 13. Contact Kathy Sestanovich at (775) 323-3500 or e-mail gsn@gsnv.org for reservations.

Dec. 16
Thursday

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

The monthly meeting will be held at the Western Folk Life Center, 501 Railroad Street. Refreshments at 6:00 PM, talk at 7:00 PM. Speaker for the evening to be announced. Sponsor for the evening to be announced. For more information contact Joe Becker at (775) 778-4071.

GSN BOARD OF DIRECTORS

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Merry Christmas

*Don't be left out of the 2011 Membership Directory
Pay your dues now so you don't forget!
The Membership Application can be found on the*

GSN DECEMBER MEETING SPONSORS



FROM THE PRESIDENT

Peter Vikre, *GSN President 2010-2011*

Ag linings

Amidst dimly high unemployment and tail-spinning economies, here is one uplifting year-end reflection: mineral resources (MR) are still riding high on several fronts.

Metal prices range from historically high to rising to stable. Au, a fixture on the NV production leader board, is once again **the** investment safe haven since printing money is the perceived antidote to no lending following reckless lending. High twenties Ag may be evidence that all teapots and old coins have been reemployed fighting bacteria and making solar electrons. Cu at 4 bills! Mo around \$15. An enviable situation for MR and especially for NV metals.

Employment solicitations for MR geologists are fairly steadily submitted to the GSN office. Job announcements that reach GSN no doubt reflect networking saturation, the main mechanism of employment. It is somewhat surprising that politicians, one in particular, have not taken full credit for NV mining employment as well as metal prices; recent campaign crossfire instead dodged both reality and sanity. Lest mining be overlooked, the revenue hunters, that dense and unreflective political group soon to amass in Carson City, see an open season on producers of the dense and reflective. Such backhanded notoriety seems to be mining industry milieu.

Alternative energy is more frequently on the front page. "Green" energy sources in the thin-crust, sun-drenched, somewhat windy WUS are being more seriously investigated at larger scales. While not (yet) large MR consumers, alternative energy industries need MR science and MR geologists. The expanding energy education and employment sector is mirrored by new geothermal curricula at TMCC, by the sustained energy programs at UNR, and by a newly formed renewable energy consortium. Consumptive societies will always need MR and MR practitioners.



December holiday dinner meeting presentation

At the December 15 holiday dinner meeting Fred Holabird, President of Holabird-Kagin Americana, will describe, first-hand, the salvaged contents of the *SS Central America*, an ill-fated transport of California gold bullion, coins, and ingots that took a dive in 1857.

Merry holidays, **See yoU** around,

Peter Vikre

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**Thanks to TonaTec Exploration LLC
For Hosting the November Meeting**

GSN December 15, 2010 Membership Meeting

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 by 1:00 PM, Monday, December 13, 2010.
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.**
Download the prepayment form from the GSN website: <http://www.gsnv.org/membership.html>

Treasure of the SS Central America

Fred Holabird, President
Holabird-Kagin Americana

Abstract

The lives of professional geologists often take twists and turns over a lengthy career. After twenty years of mineral exploration and precious metals production in the West, paralleled by an intense interest in the history of American mining and it's associated financial system, mining geologist Fred Holabird was asked to consult to the Federal Court (and later the insurance companies) on one of the most famous and largest treasures ever discovered in modern times- the *SS Central America*, a California Gold Rush ship laden with tons of gold that sank in eastern waters in 1857. Holabird viewed this as an ore deposit sitting on the ocean floor. Holabird will present the story of that discovery, complete with dozens of detailed photographs of the gold. If time allows, source history will be discussed.



Members who wish to advertise in the 2011 GSN Directory should submit camera ready high resolution black and white digital copy no later than December 31, 2010 to gsn@gsnv.org



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Joseph Tingley
Don Wagstaff



A new section in the GSN Newsletter for members.

The GSN Newsletter is adding an editorial section called "Rock Talk" on a trial basis. The purpose of the section is to provide a forum for GSN members to express opinions and geological experiences that would be of interest to members. Topics should be related to geology, mining, and exploration, and could include travel and field experiences or other items of interest to geologists.

The decision to publish letters will be made by the Executive Committee. Letters are limited to 250 words and interesting photos will also be considered for publication. The writer must include his/her name, telephone number, and email address. Letters may be edited for clarity. Letters should be submitted to gsn@gsnv.org with "Rock Talk" in the subject line. They can also be mailed or FAXED to the GSN office.

GSN hopes that this new section will provide a forum for communicating interesting items to the more than 1,000 members worldwide.





FACES OF GSN

Eric Ruud - Reno, Nevada
Geobrugg North America LLC.

I joined the GSN in 1984 when I came to Nevada from Arvada, Colorado. Since joining the GSN I have worked on all of the Symposia since 1987; served on the GSN Executive Committee as Secretary and Treasurer; served on the GSN Financial Committee and on the Board of Directors. I enjoy working with GSN because of the fellowship and great depth the organization has with its members.

I was born in Denver, Colorado in 1957. While growing up in Colorado my family enjoyed visiting historical mining sites around the state which may have piqued my interest in mining. I attended Western State College in Gunnison, Colorado and graduated in 1982 with a degree in Geology. I worked for a few different companies, attended CU Boulder for a short time, and after a while I got a job working for Cone Geochemical in Lakewood. I was transferred to Nevada in 1984 to run the Cone Geochemical facility in Reno from 1984 to 1996. After several changes in the industry, I went to work for Bondar Clegg in 1996 and later worked for American Assay. In 2003, an opportunity to work with Geobrugg surfaced. This company mitigates natural hazards, such as rockfall, debris flows, mud flows and performs slope stabilization. I also work with several companies in the mining industry to improve the safety of mining operations by reducing the rockfall hazards. In underground mining, a newly developed mesh machine protects the driller from rockburst while the anchors and mesh are installed. It is an amazing machine developed by the Australian Geobrugg group. The Geobrugg main office is located in Romanshorn, Switzerland and much of their product is used worldwide. I travel to Romanshorn once a year to attend the annual corporate meeting where there are over 300 people in attendance representing countries all around the world. I have met and traveled with people from Korea, Japan, China, Brazil, Poland, Iran, New Zealand, Croatia, Australia and more.



I met Laura Nelson while attending Western State in 1980. As Geology students together we could often be seen studying late into the night memorizing mineralogical formulas and working on our sedimentology homework. As Seniors, we helped run field trips and the Geology Club, maintaining the philosophy of work hard, play hard. We were married in October 1985 and just celebrated our 25th Anniversary. You may know Laura as she sits at the check-in table at the monthly meetings and was the GSN Office Manager for several years. We have two children, Alex and Erica, who bring great joy to our life. GSN members have watched these two grow from infants to adults while attending GSN functions over the years. Alex graduated from UNR in May with a Computer Science degree and Erica is a Junior at UNR in Nutritional Science.

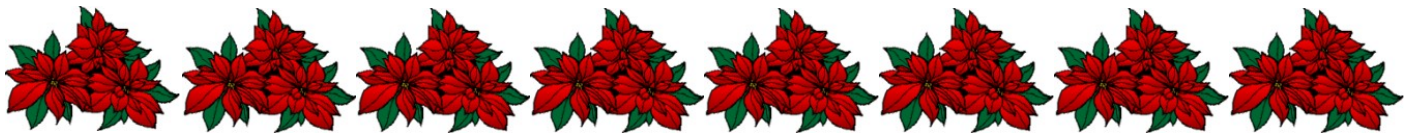
My life is not all work and no play as I like to ski as often as I can. Since 1995, I have worked as a volunteer for the Sky Tavern Junior Ski Program, currently serving as its Snowsports Director. I work with about 40 Trainers, 200 Instructors, a ski race team, a free-style team, a tiny tots program and an adaptive program. (Thanks to those in GSN that have donated to this worthwhile program.) I am a Professional Ski Instructor and USSA Racing Coach. I am also the ski racing coach for the Reed High School Ski Team and serve on the board with the high school racing program. My Reed High team won the state championship last year.

I still drive the car I had in high school, a highly modified '69 Mustang. It is fun to attend Mustang car club shows, Hot August Nights, go to Bonnevile, Open Road Races and car cruises. Not many people own the same car for 37 years.

I have been in Toastmasters since 1992 and have served in several positions at the District level. I recently started a Spanish speaking Toastmasters group to improve my Spanish speaking skills.

On the weekends, I work with a homeless awareness and prevention group in Reno and Sparks. In September, this group served breakfast and lunch to over 6,000 homeless people and provided them much needed warm, clean clothing, haircuts and sacks of food.

Over the years, my family and I have derived much satisfaction from being a part of a great organization such as GSN, which represents the best interests of the mining and exploration industry as well as that of our community at large.



News from the Geological Society of Nevada Foundation

At the recent Foundation Board meeting the directors approved an operating plan for FY2010-2011, and I am pleased to present this summary of our planned activities.

We are able to fund all 45 requests for transportation support made by K-12 teachers for earth science related field trips. The total funding is \$10,199 and goes to schools in Reno, Sparks, Verdi, Fernley, Fallon, Gardnerville, Henderson, and Las Vegas. The program will reach almost 3,000 students.

We are also planning to continue the NBMG mapping support and to make a contribution to the DeLaMare Library that will be directed toward materials most useful to the GSN membership.

A \$2,000 grant will be made to the GSN scholarship fund at UNR. Income from the fund is used to support two Earth Sciences scholarships. This year geology majors Nicholas Steele and Kristin Kohls are the recipients of the scholarships. The cost of geology field camp has increased substantially recently. To assist students the Foundation is developing a program to award grants to help offset some of the tuition. Information will be available soon outlining procedures for applying.

Extremely generous contributions from our membership have been received and continue to arrive. Thank you very much for the continual support of the Foundation. The Northern Nevada Section of SME contributed \$1,500 to the K-12 Field Trip program. Thank you NNVSME for your continual support of this important program.

Roger C. Steinger
Chair, GSN Foundation



2011 GSN DIRECTORY

Download the GSN Directory Advertising Order Form from the GSN website: <http://www.gsnv.org/membership.html>

**All advertisements are due no later than
December 31, 2010**

All advertisements must be camera ready, **black and white** or submitted as TIFF or JPG digital format. Please send your advertisement and check (payable to Geological Society of Nevada) by December 31, 2010 to: Geological Society of Nevada, 2175 Raggio Parkway, Room 107, Reno, NV 89512 - E-mail digital advertisements to: gsn@gsnv.org



GSN December Meeting SILENT AUCTION & RAFFLE ITEMS NEEDED!!

It's time to think about donating 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 15. We are seeking donation of any items suitable for raffle or silent auction: gift baskets, attractive rock or mineral samples, gems or gemstones, jewelry, wine or other spirits, logo items, geological equipment or publications, commemorative coins, GOLD, or any geology or mining-related items will be gratefully accepted.

Raffle proceeds support GSN Foundation's educational projects, which include grants to Nevada K-12 classes for transportation on earth science related field trips, scholarships to UNR and UNLV geology students, grants to the UNR DeLaMare Library, and grants for geologic mapping in Nevada.

Donors will have their names displayed on signs at the event as well as having their names listed in the January newsletter. The GSN Foundation is a 501(c)(3) public charity, tax ID # 88-044 7867.

Please send donated items to DD LaPointe or Rachel Dolbier at the address listed below, or call 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 6, 2010 in order to prepare labels and make bid sheets.

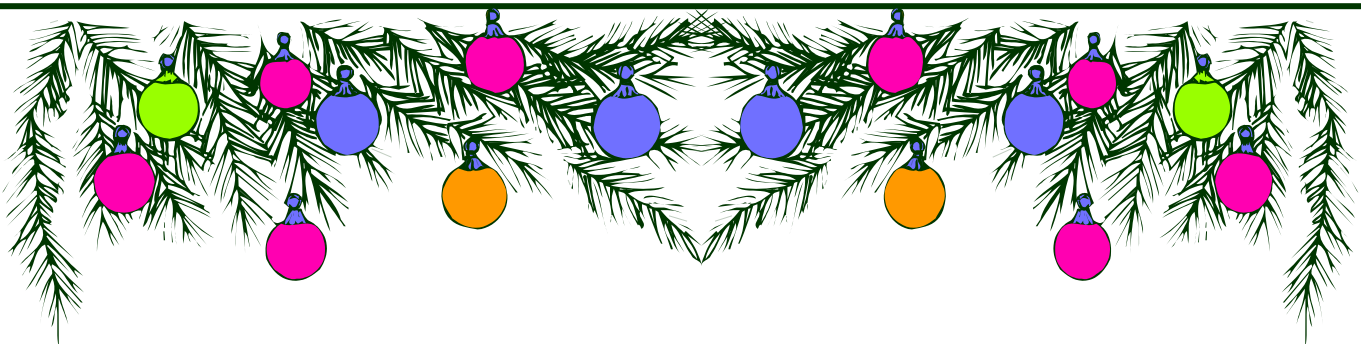
Thank you for your support!

D.D. LaPointe
GSN Foundation Trustee
Nevada Bureau of Mines and Geology/MS178
University of Nevada, Reno
Reno, NV, 89557-0178

Phone: (775) 682-8772
FAX: (775) 784-1709
e-mail: dlapoint@unr.edu

Rachel Dolbier
GSN Foundation Trustee
W.M. Keck Museum/MS 0168
University of Nevada, Reno
Reno, NV, 89557-0168

Phone: (775)784-4528
FAX: (775)784-1766
e-mail: rdolbier@unr.edu



"The Nevada Mineral Exploration Coalition is the voice of Exploration in Nevada politics.

We need your help to insure that the Exploration Community is not ignored again.

Go the www.nvmec.org and download a membership form - be part of the solution!"

Upcoming Events

**Dec 5-10
Sunday -
Friday** **NWMA Annual Meeting, Our Future Is In Today's Mines**
Spokane, WA
Website: www.nwma.org Email: nwma_info@nwma.org

**Dec. 11
Saturday** The Northern Nevada Section of the Society for Mining, Metallurgy, and Exploration
ANNUAL CHRISTMAS PARTY
Saturday, December 11, 2010

The Mandalay - Ballroom A
Circus-Circus Hotel and Casino, Reno
Cocktails: 6-7:00p.m. Dinner: 7-8:30p.m.
Dancing and Door Prizes 8:30 to 11:00 P.M.!!
Cost: \$60.00 per person Menu: New York Steak or Salmon

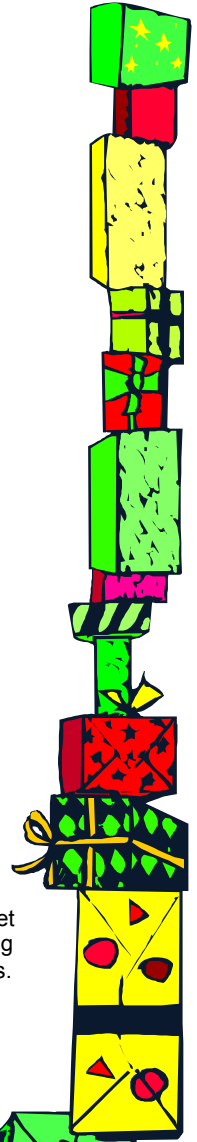
Please make reservations, with dinner preference, by Monday December 6, 2010

mail checks to:
Neville Rhoden
7024 Heatherwood Drive
Reno, Nevada 89523
Telephone: 775/746-4856 or E-mail: neville.rhoden@gmail.com
Checks should be made payable to: Northern Nevada Section of SME (NNVSME)

For additional information, please see SME's website: www.smennv.org

**Dec 14
Tuesday** **21st AIPG Exploration Roundup**

The 21st Annual AIPG Exploration Roundup will be held December 14, 2010 at the Ramada Inn at 6th Street and Wells, beginning at 6:00 PM. Boart Longyear will host the bar, Hydrogeologic (Mark Stock) is donating three crystal specimens for auction to support UNR students and the program will feature eight to ten speakers. For reservations contact Kel Buchanan at HB Engineering, 786-4515 or summitcrk@aol.com.



Dues Renewal Deadline is December 31, 2010

You can renew your dues now by downloading the form from the GSN website:
<http://www.gsnv.org/membership.html>

Please make sure to update all information. Please consider making a tax-deductible donation to the GSN Foundation. Foundation dollars are used exclusively for the K-12 grade Field Trip Grant Program, Nevada Mapping Grants and UNR scholarships. Also, please consider donating to the Student Dinner Fund, which is used to purchase dinner for students who attend the monthly membership meetings.

GSN Winnemucca Chapter Meeting December 8, 2010

DECEMBER FESTIVUS! No formal speaker, open mic night! Step up and give us a short talk on a project you've been working on recently or in the past, or a trip you took, pictures and samples are encouraged. Bring cash to Christmas shop locally perusing mineral specimens for sale by at least one local collector Rory Howell and photographs by local geologist Ed Tester while listening to your peers, enjoying drinks, appetizers and wine from Winnemucca's wine shop, Bella Grazia. Guests, as always, are welcome and encouraged. Thanks to sponsors Carlin Trend Mining Services and Golder Associates. No RSVP necessary, show up and we'll give you the floor. Call Rebecca with any questions 775-304-2661.



WINNEMUCCA CHAPTER DECEMBER MEETING SPONSORS



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**Thanks to American Assay Laboratories & DeLong Construction & Drilling
for Sponsoring the Winnemucca Chapter's November Meeting**



GSN Southern Nevada Chapter Meeting December 2, 2010

The guest speaker is Nick Saines of Saines Environmental Hydrogeology who will give a PowerPoint entitled "Lost Afghanistan" about Afghanistan in the 50s, 60s, and 70s, when it was an exotic tourist destination, and where Nick did engineering hydrogeology on a dam on the Helmand River in 1976.

Activity Update

Mike Brady, October 2010
Nevada
www.activityupdate.com

Bridgeport Ventures Inc. announced that it acquired an option to purchase a 100% interest in 10 separate properties from Fronteer Gold Corp. for 4,500,000 shares. *Press Release:* October 25

Fronteer Gold Corp.(49%) announced that recent drill results at the Sandman/North Hill Project include 37.49 meters @ 0.045 opt Au (NSM-182); 27.1 meters @ 0.037 opt Au (NSM-185) and 3.96 meters @ 0.227 opt Au (NSM-184). (resource = 1,710,000 tons @ 0.048 opt Au measured) *Press Release:* October 13

Fronteer Gold Corp. announced that recent drill results at the Northumberland Project include 7.01 meters @ 0.229 opt Au, 1.25 opt Ag (FNU40); 20.57 meters @ 0.219 opt Au, 0.93 opt Ag (FNU41) and 11.43 meters @ 0.229 opt Au, 0.29 opt Ag (FNU39). (resource = 40,169,000 tons @ 0.056 opt Au, 0.23 opt Ag indicated) *Press Release:* October 5

Allied Nevada Gold Corp. announced that recent drill results at the Hycroft/Vortex Project include 363-529 meters @ 0.013 opt Au, 1.73 opt Ag (H10D-3500); 311-494 meters @ 0.017 opt Au, 0.91 opt Ag (H10D-3501) and 365-476 meters @ 0.008 opt Au, 1.43 opt Ag (H10D-4020). *Press Release:* October 21

Atna Resources Ltd. announced that recent drill results at the Reward Mine include 90-220 feet @ 0.024 opt Au (MC-01) and 0-190 feet @ 0.020 opt Au (MC-03). (reserve = 7,147,700 tons @ 0.024 opt Au proven+probable) *Press Release:* September 30

International Minerals Corp. announced that recent drill results at the Goldfield Main Project include 450-565 feet @ 0.094 opt Au (10-017); 550-615 feet @ 0.038 opt Au (10-018); 545-595 feet @ 0.067 opt Au (10-021) and 580-695 feet @ 0.059 opt Au (10-022). (resource = 16,869,000 tons @ 0.039 opt Au measured) *Press Release:* October 7

Coeur d'Alene Mines Corp. announced that the Bureau of Land Management approved its plans to resume mining at the Rochester Project. The company now plans to begin mining in the first quarter of 2011. (reserve = 48,271,000 tons @ 0.005 opt Au, 0.57 opt Ag proven+probable) *Press Release:* October 26

Christopher James Gold Corp. announced that based on recent studies at the Talapoosa Project, resources aggregate 23,051,000 tons @ 0.027 opt Au, 0.36 opt Ag measured+indicated and 12,594,000 tons @ 0.026 opt Au, 0.34 opt Ag inferred. (was 42,700,000 tons @ 0.025 opt Au, 0.34 opt Ag indicated) *Press Release:* October 12

Victoria Gold Corp.(70%) announced that recent drill results at the Santa Fe Project include 44.8-96.9 meters @ 0.041 opt Au (BH-7); 87.8-107.6 meters @ 0.056 opt Au (BH-9); 129.2-157.9 meters @ 0.056 opt Au (BH-10) and 84.7-98.9 meters @ 0.072 opt Au (BH-11A). *Press Release:* October 5

Rye Patch Gold Corp. announced that it acquired an option to earn a 100% interest in the Garden Gate Pass Property from Pyramid Lake LLC. for escalating advance royalty payments starting at \$40,000/year. *Press Release:* October 4

Nevada Copper Corp. announced that recent drill results at the Pumpkin Hollow/North Project include 161.5-254.5 meters @ 1.02% Cu, 0.003 opt Au (NC10-72) and 445.3-460.2 meters @ 0.87% Cu, 0.006 opt Au (NC10-73). *Press Release:* October 26

International Millennium Mining Corp. announced that it acquired an option to earn an 85% interest in 18 claims within the Silver Peak District from Silver Reserve Corp. for \$325,000 and 1,925,000 shares over 5 years. (resource @ Nivloc = 621,000 tons @ 4.5 opt Ag inferred) *Press Release:* October 14

Miranda Gold Corp. announced that recent drill results at the Red Canyon Project include 775-795 feet @ 0.050 opt Au (MR10-01) and 965-985 feet @ 0.086 opt Au (MR10-01). *Press Release:* October 12

Barrick Gold Corp. announced that reserves at the Goldstrike Open-Pit Mine aggregate 82,902,000 tons @ 0.112 opt Au proven+probable. (was 86,245,000 tons @ 0.119 opt Au proven+probable) *2009 Annual Report*

Barrick Gold Corp. announced that reserves at the Goldstrike Underground Mine aggregate 8,998,000 tons @ 0.318 opt Au proven+probable. (was 6,923,000 tons @ 0.368 opt Au proven+probable) *2009 Annual Report*



Each month the GSN Newsletter features a member in "Faces of GSN". Please consider nominating a colleague for this highlight by submitting a biographic write-up and an appropriate photograph of the nominee to Kathy at the GSN Office gsn@gsnv.org.

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| Business Card Size (3 1/2 x 2") | \$50.00 |
| Quarter page (3 1/2 x 4 3/4") | 150.00 |
| Half Page (4 3/4 x 7 1/2") | 300.00 |
| Classified ads (per line) (up to business card size) | 10.00 |

For an advertising form, call the GSN office at 775-323-3500, fax 323-3599, email gsn@gsnv.org, or download the form from the GSN website:

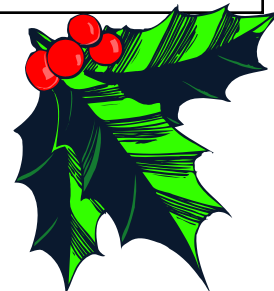
<http://www.gsnv.org/membership.html>

Digital or text ads must be received by the 20th of the month to appear in the following month's newsletter.

There will be a 10% discount on all orders for 10-months or more.



*Don't be left out of the
2011 Membership Directory
Pay your dues now so you don't forget!
The Membership Application
can be found on the
GSN website www.gsnv.org.*



Tax Deduction

It is that time of the year to consider gift giving. If you have any geologic books that you are considering giving away please contact Clancy Wendt. GSN and the Tucson Gem and Mineral Society have given over 55,000 books to Universities in Mexico. This is a tax deductible item and anything you have will be greatly appreciated as Mexican Universities have very little in the way of reference books. 775-852-2513



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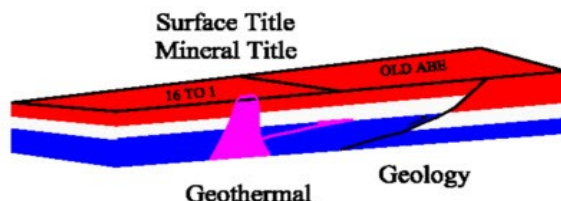
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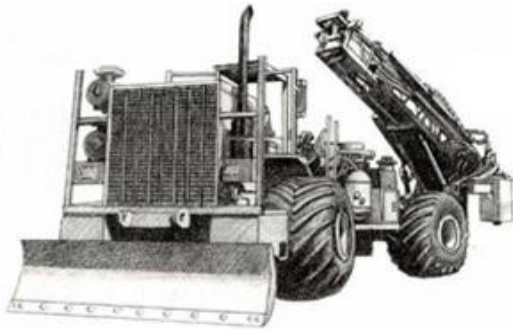


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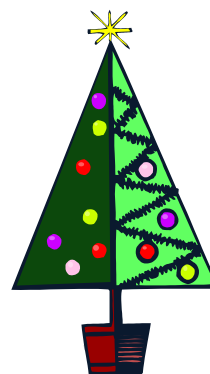


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