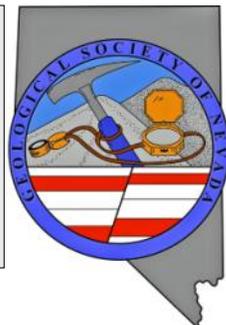


# GEOLOGICAL SOCIETY OF NEVADA NEWSLETTER

Happy  
Holidays

Geological Society of Nevada, PO Box 13375, Reno, NV 89507 (775) 323-3500  
Office Location: Laxalt Mineral Research Center, Room 266, UNR Hours Monday - Friday 8-3  
Website: [www.gsnv.org](http://www.gsnv.org) • E-mail: [gsn@gsnv.org](mailto:gsn@gsnv.org)



December 2008, Vol. 23, No. 10

Published monthly except June and July

## CALENDAR OF GSN EVENTS

### PRESIDENT

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

### VICE PRESIDENT

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

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Nevada Bureau of Mines and Geology  
[dlapoint@unr.edu](mailto:dlapoint@unr.edu)

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

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[ofadams@enviroincus.com](mailto:ofadams@enviroincus.com)

### PUBLICATION CHAIR

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[marilyn.miller1@sbcglobal.net](mailto:marilyn.miller1@sbcglobal.net)

### OFFICE MANAGER

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



**Dec. 10**

**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, speaker at 7:00 PM. Sponsor for the evening is ALS Chemex, represented by Mary Stollenwerk. Speaker for the evening is Jon Price of Nevada Bureau of Mines and Geology. His talk will be titled "Gold in Conglomerates – Observations from Society of Economic Geologists Field Trips in South Africa (Witwatersrand) and Ghana (Ashanti Belt)" (see abstract on page 5). Please bring food items for the Northern Nevada Back-Pack Kids Food Drive (see page 11 for details). For more information contact John Marma at (775) 635-6472.

**Dec. 18**

**Thursday**

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

The monthly meeting will be held at the Western Folk Life Center, 501 Railroad Street. Refreshments at 5:00 PM, Dinner at 6:00 PM, talk at 7:00 PM. Free of charge, family welcome. Sponsor for the evening will be Boart Longyear, Nevada. The speaker for the evening will be Josh Bonde of the University of Nevada, Las Vegas. His talk will be titled "Nevada Dinosaurs!". Rock and Mineral Auction (bring something to donate if you like!). For more information contact Moira Smith at (775) 934-2987.

**Dec. 17**

**Wednesday**

### GSN CHRISTMAS 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 Angico-Eagle (USA) Limited. Speaker for the evening will be Jon Price of Nevada Bureau of Mines and Geology. His talk will be titled "A Glimpse at Africa, its Geology and its Gold". For reservations contact Kathy Sestanovich at (775) 323-3500 or e-mail [gsn@gsnv.org](mailto:gsn@gsnv.org).

**Dec. 5**

**Friday**

### SOUTHERN NEVADA CHAPTER

Will hold a joint holiday meeting will be with the Nevada Friends of Paleontology. The meeting will be held at the Nevada State Museum and Historical Society, Las Vegas, NV beginning at 6:45 PM. Speaker for the evening will be Frankie Jackson, PhD, Researcher at Montana State University. She will speak about her specialty, which is on dinosaur eggs and babies. For more information contact Josh Bonde at (702) 468-2500.

## FROM THE PRESIDENT

Marcus Johnston, *GSN President 2008-2009*

The Holiday Season is in full swing, and the winter slow-down should allow most of us who spend the majority of our time in the Northern Hemisphere to reengage with our families, friends, and coworkers. GSN and its chapters are embracing this time in typical fashion, with Christmas parties to celebrate the spirit of the season. Our speaker for this month is Jon Price, who will present relevant observations and photos from his recent time in Africa. We will have our usual auctions and raffles for interesting and valuable mineral specimens and artifacts to benefit the GSN Foundation; please consider adding some of your own rocks, minerals, books, etc. to the selection. For the Newsletter, Jean Cline is our latest "Face of GSN," representing our Southern Nevada Chapter.

With the Holidays also come stormy skies across Nevada, and the onset of winter. Unfortunately, this is an analogy for the majority of base and precious metals exploration and mining industries across the state. The market malaise that began in late winter to early spring of 2008 for the vast majority of the junior

## GSN DECEMBER MEETING SPONSOR



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*(Continued on page 2)*



# News and Announcements

(Continued from page 1)

companies, and generally in early summer for the mid-sized to major companies, continues along with rapid erosion of economies around the world. Cutbacks, including layoffs, have already begun across the spectrum of companies in Nevada (and elsewhere), with indications that such actions may accelerate in the coming weeks and months. It is my sincere belief that for those of us who can, we will continue to support our fellow GSN members, and will find at least temporary work for most/all of our compatriots so long as these market conditions persist. It is my hope that these conditions will reverse in the near- to medium-term future, as some indicators suggest. In the meantime, I wish the best of luck to all in their personal and professional endeavors.

I am encouraging the general membership to continue to offer comments, suggestions, and criticisms of our efforts to serve as a major resource to our constituency. GSN will continue to strive in its intention to benefit the geological community at large, and your input will help us to achieve this goal.

Again, good luck to all, stay safe, and happy holidays.

Marcus

## HISTORICAL MINING DATA AT THE NEVADA HISTORICAL SOCIETY

Two mining databases are available at the Nevada Historical Society. Roger Steininger is in the midst of indexing the documents relating to Nevada mining that are part of the Nevada Historical Society's collection of journals, serials, and other documents. This is an ongoing project; therefore the index is continually expanding. Ron Hess of the Nevada Bureau of Mines and Geology recently donated an index of Nevada mining articles to the Society that was created by Robert Horton when Bob was associated with the Bureau. These indexes are housed in the library at the Society building, which is located on the north end of the UNR campus at 1650 N. Virginia Street.

Michael Maher, Librarian, or one of the docents, can assist with locating the collection. This is a great source of historic information on mining in Nevada, and is another good source of this information that can be extremely useful in your exploration efforts.

## UPCOMING EVENTS

**Dec. 13 SME Christmas Party**, Prospector's Club, Harrah's Casino & Hotel at 6:00 PM social, 7:00 dinner, followed by raffle. Music & dancing with music provided by a disc-jockey. Tickets \$55 each. See page 16 for details.

**Dec. 16 AIPG Christmas Exploration Roundup**, Reno Plaza Hotel (formerly Holiday Inn), 6th Street, Reno - See GSN's website for additional information: [www.gsnv.org](http://www.gsnv.org)

## GSN MEMBERS' PERSONAL NOTES & NEWS

We have suffered a great loss with the passing of **Mona Crystal Dardanis**, 75, on October 29, 2008.

Mona worked as a Landman in Nevada and Colorado and was well respected within the mining industry.

Memorial services were held at Rockland Community Church, 17 S. Mt. Vernon Country Club Rd., Golden, CO 80401 Phone: (303) 526-0668 on November 14, 2008. The Interment will be at the Gunnison Cemetery at a later date.

(Any Donations will be accepted at Memorial Service and can be made to the [American Cancer Society](http://www.AmericanCancerSociety.org)).

**Thomas Victor Leshendok** was born in Hazelton, Pennsylvania on December 4, 1945, to Thomas and Mary Leshendok. He grew up in Syracuse, NY. Drafted in 1966, he served with the Special Forces in Vietnam from 1967 to 1968, receiving the Bronze Star for Meritorious Service. While attending State University of New York at Binghamton, he met his wife, Maureen, and attended Woodstock. He completed a bachelor's degree in geology in 1972. Tom worked for Earth Satellite Corp. in Washington, D.C., then U.S. Environmental Protection Agency, U.S. Geological Survey, and Bureau of Land Management.

In 1983, Tom transferred to the Nevada State Office of BLM in Reno where he served as Deputy State Director for Mineral Resources until retirement in 2003. The U.S. Department of the Interior recognized him in 2004 with the Honor Award for Meritorious Service. Among his accomplishments, Tom developed a BLM-Nevada State Division of Minerals partnership to secure dangerous abandoned mines and helped to provide funding for several publications of the Nevada Bureau of Mines and Geology. In retirement he enjoyed consulting, fly fishing and volunteering for Friends of the Black Rock. With Stanley Deptula, of Palm Harbor, FL, Tom went on extended fishing trips.

He died at home, November 3, 2008, age 62. He is survived by his wife of 36 years, Maureen; sister, Patricia Gregory of San Diego; sisters-in-law, Robin Palanker, Abby Palanker and Leslie Lanker, of Paris, France; cat, Obi-wan; a niece and three nephews. At his request there will be no funeral. Donations may be sent to the Nevada Humane Society.

**Thanks to Enviroscientists, Inc  
for sponsoring the  
Elko November meeting.**

**Thanks to CGS, Inc.  
for sponsoring the  
Winnemucca November meeting.**

**Thanks to Western Uranium Corporation and GIS Land Services  
for co-hosting the November meeting.**

# *GSN December 17, 2008 Membership Meeting*

**Date:** Wednesday, December 17, 2008

**Time:** Social-6:00, Dinner-7:00 (\$17.00), Meeting-8:00

**Reservations:** Phone: (775) 323-3500, Fax: (775) 323-3599,  
E-mail: gsn@gsnv.org

**Deadline:** Reservations by 1:00 PM Tuesday, December 16th

**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)

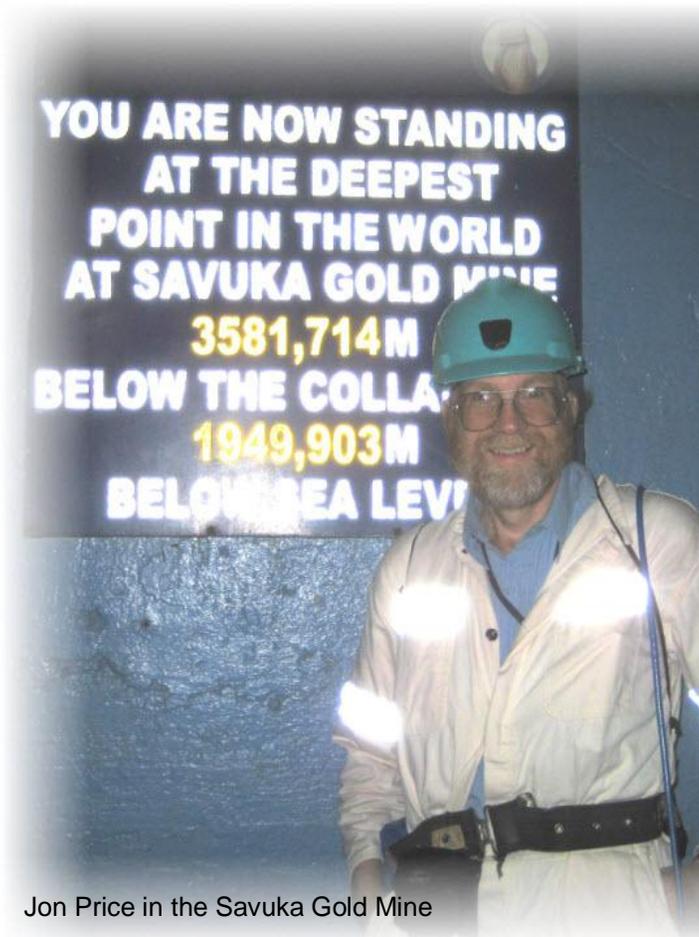
**Speaker/Title:** Jon Price / A Glimpse at Africa, its Geology and its  
Gold

See abstract below:

## **A Glimpse at Africa, its Geology and its Gold**

Jon Price  
State Geologist and Director  
Nevada Bureau of Mines and Geology • University of Nevada, Reno

Geology is a lot of fun, thanks largely to the efforts of organizations like the Society of Economic Geologists and the Geological Society of Nevada. We'll see photos from some SEG field trips, mostly from this year's trips in Africa. In 2007, South Africa lost its century-long record as the world's leading gold producer. Nonetheless, since 1886, the Witwatersrand basin in South Africa has produced 40% of all the gold ever mined on Earth, and remaining resources, both shallow and deep, are immense. With over 2,000 years of historical gold mining, Ghana has produced over 50 million ounces of gold, primarily from the Ashanti region. We'll see how modern, ultra-deep mining in South Africa contrasts with modern and artisanal mining in Ghana, and how the climate and geology affect the ways of life in the two countries.



Jon Price in the Savuka Gold Mine



Beth Price with South African Gold

*Membership dues must be received before December 31, 2008  
for you to be included in the 2008-2009 Directory*

# FACES OF GSN

*Jean Cline, Las Vegas Nevada  
UNLV Professor of Geoscience*

I stumbled into geology when I started college, at the suggestion of a long-time friend. Having grown up at a time when university-bound women were advised to become teachers and nurses, I'd been advised by high school councilors to become a physical education teacher, I guess because I had some athletic ability. A science career was not even remotely on my radar screen, but it sounded fun and interesting when suggested. So I majored in geology and eventually graduated from Wisconsin State University, Platteville, where I did have the good luck to visit a number of the MVT deposits in southwestern Wisconsin before they shut down.

After graduation I was fortunate to be hired by Inspiration Development Company in Arizona and I spent the next 11 years exploring primarily for porphyry copper deposits in the southwestern US. After a number of tough "down" years our office closed and I was laid off. However, the downturn provided the opportunity to return to school at Arizona to work on an MS degree on a Nevada epithermal deposit with Spencer Titley. At that time my goal was to learn about precious metal systems and return to the mineral exploration industry when the industry recovered. The mid '80s was a great time to be back in school, and at Arizona in particular, with more than 50 other experienced and knowledgeable economic geology students, most of them recently out of a job like myself. Unfortunately, jobs were still scarce when I finished my MS, so I moved to VA Tech to continue my education, this time with Bob Bodnar and a focus on fluid inclusion studies.

By the time I finished my PHD I was pretty hooked on econ geology research. Fortunately UNLV had just advertised an EG tenure-track position that looked like it was written for me. UNLV offered me the position and I eagerly headed back out west. Shortly after arriving at UNLV I teamed up with Brian Dozier to form the first GSN chapter in Las Vegas. Our goal was to create an opportunity to meet and connect with other geologists in the valley. We continue to function as a small but enthusiastic group that has a large UNLV student component. I've now been at UNLV about 18 years, which sounds much longer than it feels. I am really fortunate to have ended up in a great department with excellent colleagues and students, all of whom work hard and in a collegial fashion to advance the education and research mission of our department and UNLV. The spectacular geology in Nevada has provided excellent opportunities to work on some fun and interesting projects including particularly Carlin-type gold deposits and also on questions of possible hydrothermal activity at the proposed Yucca Mountain nuclear waste repository. Nevada has also provided excellent opportunities to collaborate with numerous geologists both within and outside the mining industry. I am grateful to the many Nevada geologists who have collaborated, communicated, or just shared a beer with me over the many years.

I've recently moved from Las Vegas to the small community of Blue Diamond, about a half hour outside of Las Vegas and near the spectacular Red Rocks recreation area. Blue Diamond began as the company town for a nearby gypsum mine and many of us live in original small company houses built in the 1940s. Life in Blue Diamond allows me to easily pursue my latest passion – rock climbing.

In sum, the serendipitous suggestion by a friend to study geology has led to a career full of exciting opportunities and fascinating challenges. Southern Nevada continues to be a great place to live



in part because it is central to so many great escapes in the surrounding desert and mountains facilitating hiking, camping, backpacking, and Grand Canyon adventures of all types. If and when you make it to Las Vegas, I hope you will find time to come by UNLV and check us out!

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## **GSN Board of Directors November Quarterly Meeting**

The quarterly meeting of the GSN Board of Directors was held on November 21 in Reno, Nevada. Board meetings between the elected and designated Members help to promote communication between the GSN "mother-ship" and its three Chapters as well as provide continuity and the overall direction of the GSN.

Highlights of the reports from the six Board Committees include the following:

Monitoring the recent loss in value of the GSN Investment Accounts due to the current financial crisis

Ongoing discussions for developing new procedures for nominating GSN Honorary Members and possibly setting term limits for the elected Board Members

*(Continued on page 11)*

# GSN Winnemucca Chapter Meeting December 10, 2008

## Gold in Conglomerates – Observations from Society of Economic Geologists Field Trips in South Africa (Witwatersrand) and Ghana (Ashanti Belt)

Jon Price  
State Geologist and Director  
Nevada Bureau of Mines and Geology  
University of Nevada, Reno

The world's largest gold deposits are in conglomerates. The Witwatersrand basin in Gauteng (formerly Transvaal), South Africa, has historical production of 50,000 metric tons (1.6 billion troy ounces) of gold and known resources of 35,000 metric tons (1.1 billion ounces) – all in Archean conglomerates. Significant reserves and resources of gold also occur in Paleoproterozoic conglomerates in Ghana and parts of Brazil that were connected to Africa before the formation of the Mid-Atlantic Ridge. Although there are close spatial associations between conglomerate-hosted gold deposits and Mother-Lode-type deposits in Ghana, and although metamorphism has probably remobilized some gold in the Wits deposits, the evidence is overwhelming that the Wits deposits are paleoplacers. They formed 2.9 billion years ago, when the Earth's atmosphere did not have enough oxygen to chemically weather pyrite or uraninite, heavy minerals that are concentrated in the gold-rich conglomerates. Mining of the Wits deposits has progressed to unprecedented depths, 3,581.7 meters (11,750 feet) in the Savuka mine, and development is underway to reach 4,000 meters (13,123 feet) in other mines. The increased costs of mining deeper and recent, intermittent cutbacks on electricity from the national grid have caused South Africa's gold production to decline in recent years. The Wits deposits made South Africa the world's leading gold-producing country for 100 years, but that honor was lost to China in 2007. Today China, Australia, the United States (thanks largely to Nevada), and South Africa each produce approximately 10% of the world's gold.

# GSN Elko Chapter Meeting December 18, 2008

## Nevada's Dinosaurs!

Josh Bonde  
Graduate Student  
University of Nevada, Las Vegas

Until recently dinosaurs were only known from the State of Nevada by a few reports of bone scraps. From 2004 to the present, teams of researchers and students from Montana State University-Bozeman and the University of Nevada-Las Vegas have recovered diverse dinosaur and non-dinosaur fauna from Valley of Fire State Park in southern Nevada.

Sediments that contain this diverse fauna are Early Cretaceous in age and represent a floodplain which was seasonally arid. These sediments comprise the Willow Tank Formation. This formation was deposited at the front of the Sevier Fold and Thrust belt about 100 million years ago.

The dinosaurs recovered to date include Tyrannosauroids (the stem group which leads to *T. rex*), 2 types of Iguanodontians (duck-billed dinosaurs and their immediate ancestors), Titanosauriforms (a type of long-necked sauropod), one Dromaeosaur (a raptor), and one Thyreophoran (armored dinosaur). Non-dinosaur organisms recovered include gar fish, lung fish, three types of turtles, and relatives of crocodiles. Non-animal finds include coprolites (fossilized dung), beetle burrows, and well-preserved plants. The relationships of these organisms have helped to shed light on the distributions and evolutionary histories of animals that lived in the southwest during this time period.

## WINNEMUCCA CHAPTER DECEMBER MEETING SPONSOR

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## ELKO CHAPTER DECEMBER MEETING SPONSOR



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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

## GSN DIRECTORY ADVERTISING ORDER FORM

### Final Deadline

**(All advertisements are due no later than December 20, 2008)**

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

Date: \_\_\_\_\_

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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5" x 7"	Half Page – Horizontal .....	300.00	
3½" x 10"	Half Page – Vertical .....	300.00	
7" x 10"	Full Page – Vertical .....	450.00	
7" x 10"	Opposite, Inside Back Cover – Vertical.....	600.00	
7" x 10"	Qualified Person Page – Vertical .....	600.00	
7" x 10"	Inside Back Cover – Vertical.....	700.00	Sold, No longer available
7" x 10"	Inside Front Cover – Vertical .....	800.00	Sold, No longer available
7" x 10"	Outside Back Cover – Vertical.....	1,000.00	Sold, No longer available

Size of Advertisement	Cost

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 20, 2008 to:

Geological Society of Nevada  
 P. O. Box 13375  
 Reno, Nevada 89507

# *News from the Nevada Bureau of Mines and Geology*

A significant collection of thousands of samples from ore deposits throughout the world has been donated by Stanford University to the University of Nevada, Reno. These samples will be used in teaching and research in economic geology, extractive metallurgy, and mining engineering at the Mackay School of Earth Sciences and Engineering, part of UNR's College of Science. The renamed Mackay-Stanford Ore Deposits Collection helps bolster Mackay's reputation as a leading institution in research on ore deposits and as a premier university for the education of professionals in mineral-resource fields. Global demand for mineral and energy resources has risen dramatically in recent years and has created high demand for professionals in industry, government, and academia.

Thanks to efforts of Gail Mahood, Professor in Stanford's Department of Geological and Environmental Sciences; Pamela Matson, Dean of Stanford's School of Earth Sciences; Jon Price, State Geologist and Director of the Nevada Bureau of Mines and Geology (NBMG, part of Mackay); Jim Taranik, Mackay Director; Ron Hess, David Davis, and David Cornett of the NBMG staff; and others, including competent movers, UNR now has added to its existing collections 29 cabinets of ores and related rocks plus three cabinets of polished samples for reflected-light microscopy and detailed chemical and textural analysis.

The collection is located in Room 5B of the Scrugham Engineering-Mines Building on the northeast corner of the UNR quad (the first floor of NBMG's building), where it will get maximum use by students and researchers. Access to the collection will be managed by the W.M. Keck Earth Science and Mineral Engineering Museum, which is also part of Mackay. The collection will be catalogued along with other geoscience sample collections of NBMG and the Keck Museum, with information about the samples accessible on the Web through [www.nbmgs.unr.edu](http://www.nbmgs.unr.edu). For more information about the collection, including access by the public, please contact Rachel Dolbier, Administrator of the Keck Museum ([rdolbier@unr.edu](mailto:rdolbier@unr.edu), 775-784-4528), or Jon Price ([jprice@unr.edu](mailto:jprice@unr.edu); 775-784-6691 extension 5). The Keck Museum is open on weekdays.

The bulk of NBMG's geoscience samples, which include cores and cuttings from deep wells drilled in Nevada, primarily during exploration for oil, geothermal, mineral, and water resources; representative samples of ore and rock types from mines; and research collections, will be housed in the new Great Basin Science Sample and Records Library, which is scheduled to open in late winter or early spring of 2009 on the campus of the Desert Research Institute in Reno. NBMG's Information and Publication Sales Office will be relocated to that facility.

---

## *GSN Holiday Party Rock Raffle and Silent Auction*



Please help make the GSN Foundation fundraiser "Rock Raffle and Silent Auction" at the annual Christmas meeting the best one yet. We need your donations of any items suitable for raffle – gift baskets, art work, sculptures, nice rock or mineral samples, gemstones, jewelry, gift certificates, wine or other spirits, logo items, geological equipment or publications, commemorative coins, GOLD, or any geology/mining related items are welcome. 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' names & companies will be displayed on signs at the event as well as listed in the January newsletter.

Please send donated items to us at the addresses below to arrive before the December meeting date, or call to arrange pick-up of donated items if you are in the Reno-Sparks-Carson City area. Thank you for your support!

Any items brought to the meeting without prior notice to D.D. & Rachel may be held until the 2009 raffle/auction

D.D. & Rachel,  
*GSN Foundation Trustees and Education Co-Chairs*

D.D. LaPointe  
NBMG/MS 178  
University of Nevada, Reno  
Reno, NV, 89557-0088  
775/682-8772 phone, 775/784-1709, fax  
E-mail: [dlapoint@unr.edu](mailto:dlapoint@unr.edu)

Rachel Dolbier, Administrator  
W.M. Keck Earth Science and  
Mineral Engineering Museum  
MS 168/University of Nevada, Reno  
Reno, NV 89557  
775/784-4528 phone, 775/784-1766 fax  
E-mail: [rdolbier@mines.unr.edu](mailto:rdolbier@mines.unr.edu)

The GSN Foundation is a 501(c) (3) public charity, Tax ID # 88-0447867

## GSN FOUNDATION UPDATE

To all of our members who have donated to the GSN Foundation this year, thank you very much. Your support is what makes the Foundation a viable part of GSN. As part of your membership renewals, about \$6,000 have been contributed, so far (it is never too late to make a contribution). We also received a very special gift of \$2,736.00 from Ed Mackevett's Estate.

At our recent Foundation Board meeting we approved the following expenditures for FY2008-2009.

K-12 Field Trip Grants	\$16,000
UNR Scholarship	2,000
UNLV Scholarship	1,500
Elko Chapter Scholarship*	1,000
NBMG mapping project	2,000
Transfer to Endowment	13,500
*flow-through funds from the Elko Chapter	

The Endowment is an important aspect of the Foundation. The money in the Endowment earns interest, which are the only funds that can be used from the Endowment to support the activities of the Foundation. The intent is to build the Endowment to the point where the interest income will maintain the Foundation's activities if contributions fall short. Currently contributions continue to cover expenditures so that interest on the Endowment is reinvested to grow the fund.

The Foundation is currently supporting four students, two at UNR, one at UNLV, and one at Great Basin College in Elko. The UNR students are Raquel Minku and Sam Saunders, both in Geological Engineering. Raquel is a junior who graduated from McQueen High School. Sam is also a junior who is from Carson City. Raquel and Sam are regulars at the monthly meetings. Amy Boykin is a junior at Great Basin and is pursuing a degree in Resource Management. As of this writing we do not have any information about the student at UNLV.

Thank you again for the continued support of the Foundation.

Roger Steininger  
Chair  
GSN Foundation

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## Barranca Diamond Core Saws and Blades

### BD-2000 Series Wet Cutting Core Saws

These precision built saws are designed for rapid and accurate sawing of exploratory core specimens. The integral core holder provides for rapid and safe cutting of cylindrical core samples. Adjustable height cutting head accommodates specimen sizes between 1" and 5" in diameter. Available with gas (part# 026301) or electric (part# 02630) motor.



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# 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 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: \_\_\_\_\_

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No

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## **ACTIVITY UPDATE**

Mike Brady, October 2008

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

### **NEVADA**

Golden Predator Mines Inc. announced that it was advised by the Bureau of Mining Regulations that the final permits for its Springer tungsten mill would not be issued until late 2008 at the earliest. (total resource = 3,350,000 tons @ 0.458% WO3) *M.J.*: September 19

International Millennium Mining Corp. announced that it purchased a 61% interest in the estate of Nadean Y. Bedford for \$125,050. Included in the estate is the underlying ownership to the Simon Property. *Press Release*: October 16

Barrick Gold Corp. announced that it terminated its interest in the Red Hill Property of Miranda Gold Corp. *Press Release*: October 17

AuEx Ventures Inc.(49%) announced that recent drill results at the Long Canyon Project include 320-340 feet @ 0.034 opt Au (LC112); 245-485 feet @ 0.049 opt Au (LC113); 230-280 feet @ 0.083 opt Au (LC115) and 100-150 feet @ 0.085 opt Au (LC119). *Press Release*: September 29

AuEx Ventures Inc.(49%) announced that recent drill results at the West Pequop Project include 66-77 feet @ 0.017 opt Au (WNC110); 104-128 feet @ 0.406 opt Au (WNC133); 91-97.5 feet @ 0.114 opt Au (WMC134) and 230-291.7 feet @ 0.255 opt Au (WNC135). *Press Release*: October 8

Midway Gold Corp. announced that recent drill results at the Pan Project include 25-100 feet @ 0.020 opt Au (PN08-19); 75-140 feet @ 0.046 opt Au (PN08-20); 65-150 feet @ 0.013 opt Au (PN08-21) and 360-395 feet @ 0.069 opt Au (PN08-24). (resource = 18,960,000 tons @ 0.019 opt Au measured+indicated) *Press Release*: October 10

Barrick Gold Corp. announced that it acquired an option to earn a 60% interest in the Spring Valley Project from Midway Gold Corp. for \$30,000,000 in exploration expenditures over 5 years. (resource = 50,600,000 tons @ 0.020 opt Au inferred) *Press Release*: October 20

Fortune River Resources Corp. announced that recent drill results at the Wind Mountain Project include 187.4-289.5 meters @ 0.020 opt Au (WM08018); 184.4-306.3 meters @ 0.020 opt Au (WM08019); 207.3-371.8 meters @ 0.013 opt Au (WM08021) and 163.1-216.4 meters @ 0.013 opt Au (WM08024). (resource = 33,700,000 tons @ 0.012 opt Au measured+indicated) *Press Release*: October 17

Gateway Gold Corp. announced that recent drill results at the Santa Fe Project include 470-710 feet @ 0.059 opt Au (SF08-05); 500-965 feet @ 0.060 opt Au (SF08-06); 575-1,020 feet @ 0.063 opt Au (SF08-07) and 565-600 feet @ 0.083 opt Au (SF08-08). (resource = 1,718,000 tons @ 0.032 opt Au inferred) *Press Release*: September 25

Gold Canyon Resources Inc. announced that due to the present turmoil in the global financial markets, it placed the Cordero gallium project on indefinite hold. *Press Release*: October 10



(Continued on page 11)



## Back-Pack Kids

### GSN Winnemucca Chapter to hold Food Drives to benefit the Food Bank of Northern Nevada

The Winnemucca Chapter will hold a food drive at their December 10<sup>th</sup> meeting to collect food items, small toiletries, backpacks and canvas totes/briefcases to benefit the Food Bank's **Back-Pack Kids** program. This program provides food to homeless children who don't have much to eat over the week-ends because they don't have access to school breakfasts and lunches. Please be thinking about rounding up all of those rarely used canvas bags and briefcases from conferences you have attended over the years.

### GSN Back-Pack Kids Food Drive Requested Items

- Backpacks, canvas briefcases & totes with geologic/mining logos (You probably have a closet-full of these things from conferences!)

- Kid-Friendly Individual Food Items:

- ⇒ Easy Mac cups or packages,
- ⇒ Individual cups or pouches of tuna
- ⇒ Granola bars
- ⇒ Individual hot cocoa packets
- ⇒ Single-serving peanut butter packets



- Personal care items:

- ⇒ Toothbrushes
- ⇒ Toothpaste
- ⇒ Chapstick
- ⇒ Shampoo and soap (Please collect these items from motels/hotels when you travel!)



(Continued from page 10)

Newmont Mining Corp. announced that it acquired an option to earn a 100% interest in the Scraper Property from Nevada Eagle/Gryphon Gold Corp. for \$10,000/year payments. *Press Release:* October 9

Klondex Mines Ltd. announced that recent drill results at the Fire Creek Project include 1,155-1,165 feet @ 0.641 opt Au, 0.40 opt Ag (FC0810); 590-605 feet @ 0.241 opt Au, 0.67 opt Ag (FC0812); 870-885 feet @ 0.439 opt Au, 1.26 opt Ag (FC0822) and 590-595 feet @ 0.311 opt Au, 0.60 opt Ag (FC0824). (resource = 1,760,000 tons @ 0.582 opt Au indicated) *Press Release:* October 14

Rye Patch Gold Corp. announced that recent drill results at the Jessup Project include 12.2-25.9 meters @ 0.019 opt Au (JR08-02); 16.8-22.9 meters @ 0.013 opt Au (JR08-03); 35.1-59.4 meters @ 0.020 opt Au (JR08-04) and 32-50.3 meters @ 0.023 opt Au (JR08-05). (resource = 5,423,000 tons @ 0.022 opt Au indicated) *Press Release:* October 22

Rye Patch Gold Corp. announced that recent drill results at the Wilco Project include 271.3-289.6 meters @ 0.039 opt Au (WR-061); 260.6-275.8 meters @ 0.041 opt Au (WR-062); 24.4-30.5 meters @ 0.015 opt Au (WR-064) and 77.7-93 meters @ 0.038 opt Au (WR-068). (resource = 8,091,000 tons @ 0.018 opt Au measured) *Press Release:* October 15

(Continued from page 4)

Initiating the process of recommending candidates for next year's GSN Executive Committee, officers for the three Chapters, and two new Board Members by the February Board meeting

Finalizing the internal audit of the expenditures for the GSN 2006/2007 fiscal year

Planning for the 2010 GSN Symposium include updating their web site to access forms for the Exhibit and Sponsorship sign-up sheets and a Call for Papers, agreement from Jonathon Price and William Dickinson to be Keynote Luncheon Speakers and continuing discussions over print and DVD versions of the Volumes

GSN Foundation activities include the annual fund raiser for the K -12 field trips planned for the GSN Christmas party, two scholarships awarded to UNR students and one scholarship awarded to a UNLV student, and treasury now totals \$245K

Board members discussed the recent down turn in exploration activities due to the financial crisis and agreed on the importance of keeping the GSN a strong and vibrant Society for the benefit of its Members during these uncertain times.

The next Board meeting will be February 20, 2009 in Reno and GSN Members are asked to inform the Board on any issues they want to be discussed or are currently under consideration.

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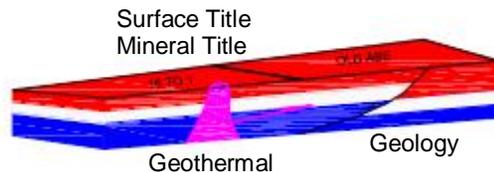
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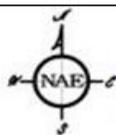
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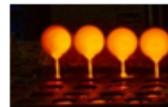
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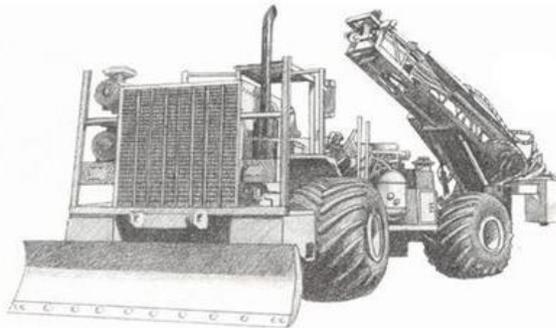


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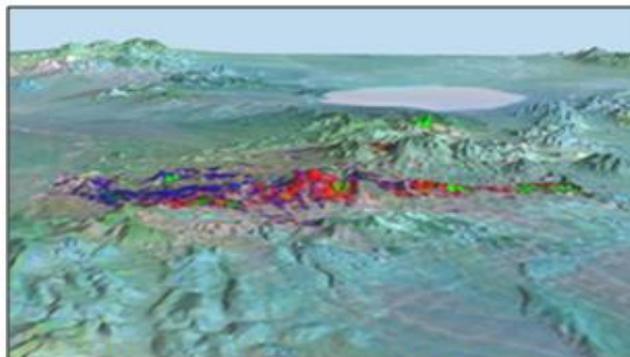


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