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October 2003, Vol. 17, No. 8
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Geological Society of Nevada, PO Box 13375, Reno, NV 89507 USA, 775/323-3500, www.gsnv.org

FROM THE PRESIDENT
Clancy Wendt, GSN President 2003-2004

Well, the summer is over and we are getting ready for
the annual meeting, fieldtrips, and an all-around get-together.
The month of October is already crowded with the first meeting
on Friday, October 17th and the Fall Field Trip to Silver Peak the following weekend October 24th-26th.
The first meeting topic this year will be on Mineral Ridge near Silver Peak, Nevada. Steve Craig, from Golden Phoenix, will be giving the talk with our first field trip to the property the next weekend. We are again very fortunate to have the generous support of Eklund Drilling for the social hour at our inaugural meeting as well as the Fall Field Trip. The field trip is also being supported by ALS Chemex, BSI Inspectorate, and American Assay Lab. The great sponsorship of the GSN by all the groups that have done so throughout the lean years should not be forgotten. Please offer your personal “Thank You” to each of our sponsors and please use them when you are looking for contractors. It is still not too late to sign up for the field trip or a sponsorship of the trip. See page 2 for more information.

Please make an extra effort to be at the first meeting as we are going to vote on a By-Law change, see your last newsletter.
People are also urged to read the Letter to the Editor in the Elko Daily Free Press of September 9, 2003. Curt Everson outdid himself.

continued

CALENDAR OF EVENTS
Oct. 8th
WINNEMUCCA CHAPTER MEETING: Humboldt Room, Red Lion Hotel and Casino, Winnemucca, NV. Speaker: Chris Pratt, “Nevada Epithermal Vein Systems.” Refreshments start at 6:30 pm, bar sponsored by Boart Longyear/Lang Exploration Drilling. Meeting starts at 7:00 pm. Contact Fred Breit 775/635-4704 (days) or Fred Holzel 775/625-4658 (evenings).

Oct. 16th
ELKO CHAPTER MEETING: Western Folklife Center, Elko, NV. Speaker: To be announced. Refreshments at 6:30 pm, presentation at 7:00 pm. Contact Steve Kulinski for more information, 775/778-8867.

Oct. 17th
GSN MEMBERSHIP MEETING: Reno Elks Lodge, Reno, NV. Speaker: Steve Craig, Vice President, Golden Phoenix Minerals, “Regional Geology and Gold Deposits of the Silver Peak Area.” Please contact Shannon Fitzpatrick at 775/323-3500 or gsn@mines.unr.edu.

Oct. 24th-26th
GSN FALL FIELD TRIP: Regional Geology and Gold Deposits of the Silver Peak Area. Mineralization Hosted by Metamorphic Core Complexes. Sign-up form on page 2.

TBA
SOUTHERN NEVADA CHAPTER MEETING: Room 102, Lily Fong Geoscience Building, UNLV, Las Vegas, NV. Speaker and topic to be announced. Social with food and drink at 5:30 pm; talk at 6:30 pm. Contact Melissa Hicks at 702/895-1162 or hicksm@unlv.nevada.edu.

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October Sponsor
Eklund Drilling Company, Inc.
100 W Liberty St, Ste 900
Reno, NV 89501
Office - 775/324-7730  Fax - 775/322-6644  Cell - 775/742-7767
FROM THE PRESIDENT continued

Earth Science Week is coming and I am sure D.D. LaPointe can use some help. Any volunteers will be appreciated. Also remember to bring items for the Rock Raffle which takes place at the December 17th meeting.

Congratulations to Tom Callicate and April Barber on their wedding. It was about time, Tom.

Long time Bureau geologist, Joe Tingley, is retiring. His smiling face will be missed by all.

Art Steelman, a Drilling Supervisor with Eklund Drilling, suffered the unexpected death of his wife Diane Ray Steelman. This has been a profound loss to Art, his family and his extended Eklund Family. We all send our condolences to Art and his family.

FALL 2003 FIELD TRIP
REGIONAL GEOLOGY AND GOLD DEPOSITS OF THE SILVER PEAK AREA
Mineralization Hosted by Metamorphic Core Complexes

Itinerary for Fall Field Trip, October 24th - 26th: The trip will begin Friday evening with a stay-over in Hawthorne, followed by a first day in the field visiting the metamorphic core complexes and associated structures of the Silver Peak region, a night in Tonopah, and a second day in the field at Mineral Ridge - a precious metal system hosted by the regional core complexes.

Friday, October 24
6:00 pm Vans leave UNR parking lot
8:00 pm Arrive in Hawthorne
Overnight lodging: El Capitan Motel, Hawthorne (dinner on your own)

Saturday, October 25
(breakfast on your own)
7:00 am Leave Hawthorne for regional tour led by Dr. John Oldow, University of Idaho
Lunch in field
Afternoon Continue regional geologic tour
7:00 pm Hosted social hour and complimentary dinner at the Tonopah Museum
Overnight lodging: Tonopah Best Western-High Desert

Sunday, October 26
7:00-8:00 am Continental breakfast at Best Western
8:00 am Vans leave Tonopah for tour of the Mineral Ridge Gold Deposit, led by Steve Craig, Golden Phoenix Minerals
Lunch at Mineral Ridge
Afternoon Continue Mineral Ridge tour
2:00 pm Depart for Reno
6:00 pm Arrive at UNR campus in Reno

Price includes: transportation, two nights lodging, lunch & dinner Saturday, breakfast and lunch Sunday, field trip guidebook, snacks, beer, and soft drinks.

Reservations will be on a first-come, first-served basis. Since we will be using rented 15-passenger vans, we are looking for volunteer drivers. To keep the entourage down to a reasonably small number, the field trip is limited to 50 participants. Payment must be in the GSN office for your reservation to be guaranteed.

Many thanks to the following sponsors: ALS Chemex, American Assay Labs, BSi Inspectorate, and Eklund Drilling.

Please complete and submit.

Fall 2003 Field Trip Sign Up

Name _____________________________________________
Daytime Phone _______________________________________
Fax ________________________________________________
Company ___________________________________________
Address ____________________________________________
___________________________________________________
Email ______________________________________________

Person to contact in case of emergency:
Name__________________________ Phone____________

Lodging needed in Hawthorne & Tonopah:
N__ Y__ Single__ Double __
Roommate (or we will assign) ______________________________

MEMBER COST:
double room-$155.00 __________
single room-$195.00 __________
w/o lodging-$105.00 __________
NON-MEMBER COST:
double room-$175.00 __________
single room-$215.00 __________
w/o lodging-$125.00 __________

Amount included with this form $________
Paid with Check#_____________________________________
Visa____ MC___ Exp Date _____________________________
Credit Card#_________________________________________
Signature ____________________________ (as it appears on card)

Payment must be made by Oct 10, 2003.
No refunds after Oct 17, 2003
Fax: 775/323-3599 or mail to GSN office: P.O. Box 13375, Reno, NV 89507, or email to: gsn@mines.unr.edu
Gold mineralization on the Mineral Ridge property is generally controlled by the shearing structures associated with the metamorphic core complex and is sub-parallel to the intrusive/metasediments contact. These mineralized shear structures are commonly located within the lower unit of the Wyman Formation near the intrusive/metasediments contact and within the lower unit of the Wyman Formation. The current ore reserves are contained in two main deposits and three secondary deposits. The largest is the Drinkwater Deposit, which consists of two or more gold-bearing shear zones with an individual ore zone thickness of 5 to 10 feet. These gold-bearing shear zones are generally located near the intrusive/metasediments contact and within the lower unit of the Wyman Formation. The gold deposits in the Mineral Ridge area have been exploited by both underground and open-pit mining operations from 1864 to the present. An estimate of the early production from 1864 to 1941 found that approximately 1.7 million tons of material with an average gold grade of 0.273 oz/ton (462,000 contained ounces) was mined by various companies and individuals. With the advent of open pit mining in 1989, the three year period from 1989-1992 1.4 millions tons of ore was mined, which averaged 0.082 oz/ton for about 109,000 ounces of recovered gold. For the period from 1997 to the present, a total of 1,658,000 tons of crushed ore was placed on the pad, of which about 58,000 ounces of gold have been produced. In summary, the total gold production of the district through 2002 is estimated to be about 629,000 ounces of gold.

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GEOLOGICAL SOCIETY OF NEVADA
K–12 EARTH SCIENCE FIELD TRIP
GRANT PROGRAM

GSN members: Please pass this information along to Nevada K-12 teachers

The Geological Society of Nevada (GSN) supports K-12 geoscience education, especially the first-hand experience gained through field trips. GSN Foundation has given up to $5000 annually to K-12 school classes across Nevada for the past ten or more years. The GSN Foundation will award up to $300 per field trip for transportation expenses for geoscience-related field trips, including mine visits, mineral deposits, geomorphology, paleontology, volcanology, and seismology trips. Guidelines and Applications for field trip grants are located on the GSN website at:

http://www.gsnv.org/documents/edguide.htm and
http://www.gsnv.org/documents/grant.htm

Requests must be made by the teacher leading the field trip who must also provide to GSN a notification of trip completion following the field trip. If requests exceed budgeted funds, funds will be equitably divided among the schools with particular consideration given to “at risk” schools and those classes which are using supplemental fund-raising efforts to fund field trips. Field trip grant applications for the entire 2003-2004 school year are due by Nov. 1, 2003.

D.D. La Pointe, NBMG, UNR/MS178, Reno, NV 89557-0088 (FAX 775/784-1709; PHONE 702/784-6691, ext. 134). Applications are also available from the Geological Society of Nevada office, Phone 775/323-3500, Fax 775/323-3599.

THE GSN FOUNDATION STILL NEEDS YOUR SUPPORT!

Members, please consider including a donation to the Foundation along with your GSN membership dues. Even a small donation of $5, if received from a majority of our members, would provide a significant portion of our annual funding requirements. Members can also help by encouraging corporate sponsors to give generously. X-Cal’s donation at the Benefactor Level last year, encouraged by member Win Rowe, was a huge boost to the Foundation.

Thanks to your previous support, the Board of Directors was able to approve a budget of $8,500 to fund three programs for the 2003/2004 fiscal year: $5,000 for the K-12 field-trip program, $2,000 for the UNR scholarship and $1,500 for the UNLV scholarship. This is the highest level of funding in the Foundation’s short history. Contributions made now, along with proceeds from our Annual Rock Raffle, will determine the level of funding for our next fiscal year.

Categories for donations are:

- Benefactor Level: $5,000 and above
- Gold Level: $1,000 to 4,999
- Silver Level: $500 to $999
- Donor: up to $499

The GSN Foundation is a 501(c)(3) public charity that sponsors several programs advancing the Earth sciences, primarily in Nevada. These programs are the K-12 Earth science field trip grants, scholarships for students at UNR and UNLV, grants for basic geologic mapping in Nevada, and donations to UNR’s Earth science library. The Foundation is run entirely by volunteers.
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P.O. Box 10080
American Canyon, CA 94503
Phone: 707-553-2772
E-mail: sfmicro@earthlink.net
EXECUTIVE SUMMARY (continued from page 3)

40 feet and an overall thickness of more than 100 feet. The second largest deposit is the Mary Deposit where the mineralized zones have a similar strike and dip as those in the Drinkwater, but are generally thinner and less continuous. Unlike the Drinkwater, the gold ore shoots display a distinct north trending strike direction, which the early miners discovered and followed. The three smaller deposits include the Brodie, Solberry and Blue Lite deposits, which are found on the southern side of the uplift.

Using a 0.005opt cut off grade, the overall drilled resource of the Mineral Ridge mine is 11,722,400 tons averaging 0.047opt Au for a contained 551,245 ounces of gold. The following table summarizes the mineable reserves of each deposit using a 0.035 opt Au cutoff grade.

<table>
<thead>
<tr>
<th>Deposit</th>
<th>Tons of Ore</th>
<th>Average Au Grade</th>
<th>Total Au Ozs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinkwater</td>
<td>1,618,247 tons</td>
<td>0.074 opt</td>
<td>119,746 ozs Au</td>
</tr>
<tr>
<td>Mary</td>
<td>773,996 tons</td>
<td>0.095 opt</td>
<td>73,368 ozs Au</td>
</tr>
<tr>
<td>Brodie</td>
<td>120,712 tons</td>
<td>0.059 opt</td>
<td>7,127 ozs Au</td>
</tr>
<tr>
<td>Solberry/Blue Lite</td>
<td>145,385 tons</td>
<td>0.062 opt</td>
<td>8,985 ozs Au</td>
</tr>
<tr>
<td>Total</td>
<td>2,658,340 tons</td>
<td>0.079 opt</td>
<td>209,226 ozs Au</td>
</tr>
</tbody>
</table>

The GSN Foundation wishes to thank the following donors:

Del Flint, Richard Nielsen and Roger Steininger

Dues renewal month was September. Renew today using the form on page 7.
GSN Annual Dues Are Now Due!

Please renew dues now by pulling out (or printing) the membership form and mail it in with your payment to GSN, PO Box 13375, Reno, NV 89507. If you are paying with Visa or MasterCard, you can fax the form to 775/323-3599 or call Shannon Fitzpatrick at 323-3500 to renew over the phone.

Please read the form completely and make any necessary changes to addresses, position, company, etc. and especially email changes. We are offering a number of different options for the new dues period. Please select the proper one for you.

If you want to receive GSN email announcements, you must check the box on the renewal form. If you had it checked last year, then GSN will continue to email you the announcements. These emails can be anything from a job opening to upcoming events to special notices from other members.

Please remember the GSN Foundation when you are renewing. Foundation dollars are used for the Kindergarten through 12th grade Field Trip Grant Program, Nevada Mapping Grants and University of Nevada scholarships.
2003 EARTH SCIENCE WEEK FIELD TRIP
October 18 or 19, 2003
“Get Out, Stay Out, and Stay Alive!”

In celebration of National Earth Science Week, Nevada Bureau of Mines and Geology (NBMG), is once again organizing a free public field trip, and we would like the help of GSN members to come along and help tell people about the geology on the trip. The trip is designed to encourage people to get out into the backcountry surrounding the Reno-Sparks area to explore and appreciate both our rich geologic history and our mining heritage, while at the same time educating people to “Stay Out and Stay Alive” when it comes to abandoned mine workings. We will highlight the Nevada Division of Minerals’ “Stay Out and Stay Alive” Abandoned Mine Lands (AML) program with a visit to some secured AML sites in the Pyramid Mining District north of Reno. We will also visit a fossil leaf site near Mullen Pass, and collect pyrite and enargite from the mine dumps up Perry Canyon. The same field trip will be offered on two successive days, Saturday, Oct. 18, and Sunday, Oct. 19; choose the date that best fits your schedule. We drive our own vehicles, carpooling as much as possible to cut down on the number of vehicles. Find a detailed field trip description and sign-up by following the links on our website at http://www.nbmg.unr.edu.

The detailed road log for the trip will be available on the website in October in case you want to preview it. No special preparation is required – your basic geologic knowledge in any area is all you need to help people in simple identification of rocks, fossils, minerals, and landforms. This is a great opportunity to educate the public about the importance of geology and the minerals industry in an informal field setting.

NORTHWEST MINING ASSOCIATION CONVENTION
December 1-5, 2003

Check out the great program featuring gold and silver, grades and tons, copper & zinc, growth companies & investor opportunities, technological innovations, industrial minerals, reclamation success stories and much, much more. In addition, there are 3 great short courses that will be held at the end of the convention (No Thanksgiving weekend travel!).

This year’s Convention will be held at the Red Lion at the Park (formerly Cavanaugh’s or the Westcoast Grand at the Park). This will enable us to serve you better with more exhibit space and larger meeting rooms.

The brochure, program, exhibitor information and registration forms are available on our website at http://nwma.org/

New this year is On Line Registration. Check it out and register today! See you in December.