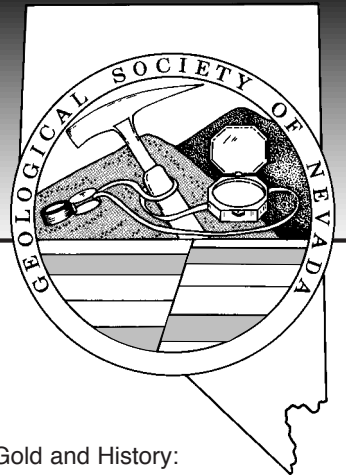


GSN NEWSLETTER



September 2000, Vol. 14, No. 7

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CALENDAR OF EVENTS

- Sept 30- Oct 1** GSN FALL FIELD TRIP: PGEs, High-Grade Gold and History: The Sierra Nevada 2000. Details on page 2.
- Oct 7** GSN ANNUAL PICNIC: Bowers Mansion State Park. Details on page 3.
- Oct 20** GSN MEMBERSHIP MEETING: Elks Club, Reno, Nevada.

ATTENTION MEMBERSHIP DINNER SPONSORS!

In appreciation of the outstanding support GSN receives from membership dinner sponsors, there will be a new addition to the GSN Newsletter, "Sponsor's Corner." Sponsors will receive free advertising in the newsletter in the month they sponsor the membership meeting. Please contact Donna Bloom at 775/323-3500 for more information.

Visit our web site:

www.gsnv.org

GSN Newsletter is published monthly except June and July
Geological Society of Nevada, PO Box 12021, Reno, NV 89510-2021 USA, 775/323-3500

PRESIDENT'S MESSAGE

Ken Cunningham, GSN President 2000-2001

I would like to take this opportunity to inform the membership of the line-up of talks currently scheduled for the fall dinner meetings. On **October 20, Teck Resources** will give a presentation on the Pogo Project. This is sure to be of interest to those of you who have worked in Alaska, or are currently searching for high-grade deposits. The second meeting of the year will be on Friday, **November 17, Nick Fox**, Chief Geologist for **AngloGold** will give a presentation titled "The Implications of a Hydrothermal Origin for Witwatersrand Gold". Nick is out of AngloGold's Johannesburg offices and should also be able to provide insights into the state of affairs of South African gold mining. Finally, on Wednesday, **December 13**, we will be entertained by **Sarah Andrews**. Sarah is a geologist turned mystery writer (career counseling?) and will be signing and selling copies of her newly released novel that concerns murder and gold mining in Nevada. This is sure to be a fun evening for members and

friends. Please note that the December meeting has been moved forward so as not to conflict with the holidays.

The second subject that I would like to address is membership. We have recently seen membership increases throughout rural Nevada, primarily due to the formation of the various chapters. This year's speakers, several of whom are traveling internationally to address our meetings, and the sponsors who host the social portion of our meeting, deserve your support and attendance. I would encourage all current members to renew their membership. I would also encourage the managers of all Nevada-based exploration companies to urge their entire staff to join GSN. So be advised, if you are the manager of a Nevada-based exploration company, you will be contacted by Donna Bloom, GSN's Office Manager. Donna will be happy to provide you with membership forms. I hope to see you on October 20.



News and Announcements

GSN FALL FIELD TRIP

Dave Shaddrick, GSN Vice President, Field Trip Coordinator

This Fall the GSN will make a slight break from tradition and take a "busman's holiday" to the Northern Mother Lode country. The field trip, "PGEs, High-Grade Gold and History: The Sierra Nevada 2000" is planned to be a light hearted adventure in science, history and camaraderie. You will see some great geology, amazing mines and taste some fruit of the vines.

The trip will depart Reno on Saturday, Sept 30, 2000 at 7:30 AM and return on Sunday, Oct 1, 2000 at 6:00 PM.

First we will stop just off I-80 where we will challenge some of your preconceived ideas about the occurrence of, and potential for, platinum group elements. With a few stops along the way, we will get to Grass Valley in the late morning. There we will learn about the geology and vein systems of this fascinating area. We will also have lunch and tour the historic Empire Mine and museum. By mid afternoon we will be in Nevada City where lodging has been arranged at the historic National Hotel (and another place if the group is large). The late afternoon will be spent learning about the liquid gold produced by the local wineries. We will close out the day with a cocktail hour and excellent dinner at the National Hotel.

On Sunday, after a few stops along the way, we will arrive at the historic, and still operating, 16:1 mine. We will tour the underground workings of the mine, partake of a "large" lunch and have an opportunity to view and purchase some very spectacular gold specimens. On the way home we will make a few stops to learn about the geology and ore deposits of the area and stop briefly (planned but not confirmed) to see the functioning stamp mill at the historic Kentucky mine.

The incredibly low cost of this trip is due to the generosity of the following supporters:

- Eklund Drilling**
- ALS Chemex**
- Bondar Clegg**
- Geotemps**
- Rubicon Resources**
- American Assay**
- and Lang/Boart Longyear**

**GEOLOGICAL SOCIETY OF NEVADA
2000 FALL FIELD TRIP SIGN-UP**

NAME _____
 WK PHN _____ FAX _____
 HOME PHN _____
 COMPANY _____
 ADDRESS _____

Person to contact in case of emergency:
 NAME _____ PHN _____

Cost is \$115.
 All lodging will be double occupancy.
 Depending on number of attendees,
 some single accommodations may be available.

PLEASE SPECIFY ROOMMATE: _____
 WINE TASTING AT INDIAN SPRINGS ___ YES ___ NO

Amount included with this form: \$ _____
 PAID WITH CHECK # _____
 CREDIT CARD # _____
 VISA ___ MC ___ EXPIRATION DATE _____
 SIGNATURE _____
 (as it appears on card)

Payment must be received by September 19, 2000
No refunds after September 22, 2000
Fax: 775/323-3599 or mail: Geological Society of Nevada,
PO Box 12021, Reno, NV 89510-2021

Space will be limited and nearly all rooms will be double occupancy, so plan ahead and be thinking about a roommate (or we'll assign one). The price includes transportation, lunches (Saturday and Sunday), hosted cocktail hour, dinner Saturday, guidebook, snacks, beer and soft drinks, and lodging. Please complete the sign-up form and return with payment as soon as possible in order to confirm your spot on the trip.

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GSN ANNUAL PICNIC



Alan and Chris Coyner were "egg" static to win the egg toss competition for the 2nd year in a row.



Karl Frost, Earl Abbott, and Don Hudson enjoy some B & B (barbecue and beer) at last year's Family Picnic.

Mark your calendars! The GSN's 12th Annual Family Picnic will be Saturday, October 7, 2000, at Bowers Mansion Park in Washoe Valley, in the North Picnic area. The picnic will start at 12:00 noon and will go until 5:00 pm. Bring the whole family for a day of fun and games! What a great opportunity to have fun with your colleagues!

GSN will provide the meat, snacks and beverages. Each family is asked to bring a salad or dessert to share in the potluck style gathering. Please complete and return the sign up form by September 25. Hope to see you there!

12th ANNUAL GSN FAMILY PICNIC

Name: _____

Total # family members or guests in your party: _____

Ages of children: _____

Address: _____

City/State/Zip: _____

Daytime phone: _____

Bringing salad: _____

or dessert: _____

Enclosing: **\$10.00 per family** or **\$5.00 per single**

**Please mail to: Geological Society of Nevada
P O Box 12021, Reno, NV 89510-2021
or fax to: 775/323-3599**

WANTED

News and Rumor from the Bush, contributors of interesting, humorous, entertaining and newsworthy stories or comics, please contact Donna Bloom at 775/323-3500, or e-mail at gsn@mines.unr.edu

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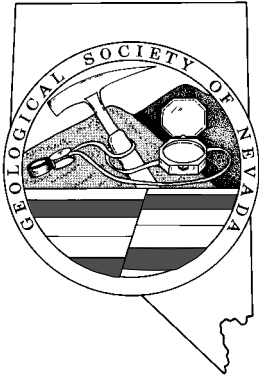
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MEMBERSHIP RENEWAL NOTICE

Once again it's time to renew your GSN membership. We have provided a Membership Application/Renewal form in the Newsletter. It is important to send your renewal as soon as possible in order to avoid any interruption in your Newsletter and listing in the 2000-2001 Membership directory.

You will notice a few changes in the Membership form this year. In response to membership input and consulting inquiries at the GSN office, we have added the ability to list if you or your company accepts consulting assignments. If you are interested, an asterisk will appear in the directory and the new **web membership page**.

The new web membership page should be up and running when the new directory is published in January. **This is an optional service to the membership!** Please fill in the appropriate line on the renewal form if you want your free directory listing on the special web page. In

addition, we are looking at creating expanded web listings for those who wish to emphasize their specialties. Look for details in an upcoming newsletter.

Thanks for your cooperation, and we look forward to seeing you during the 2000-2001 membership year. There are some interesting talks lined up for the coming months at the Reno and local chapter meetings. Please plan to attend.

Gregory McN. French, GSN Membership Chair, 2000-2001

GEOLOGICAL SOCIETY OF NEVADA MEMBERSHIP APPLICATION/RENEWAL

NAME: _____ POSITION/TITLE _____

CONSULTANT COMPANY NAME: _____

STUDENT UNIVERSITY: _____

ADDRESS: _____

CITY: _____ STATE/PROVINCE: _____

ZIP: _____ COUNTRY: _____

PHONE: WORK _____ FAX _____

CELL _____ RESIDENCE _____

E-MAIL: _____ WEB SITE: _____

DO YOU WANT TO BE LISTED IN THE MEMBERSHIP DIRECTORY AS BEING AVAILABLE FOR CONSULTING? _____

DO YOU WANT TO BE LISTED ON THE WEBSITE MEMBERSHIP PAGE? _____

- | | | |
|---|---|--------------------------|
| 1) I would prefer: | A. To receive the GSN Newsletter via e-mail in lieu of a hard copy. | <input type="checkbox"/> |
| | B. To receive the GSN Newsletter via the postal service. | <input type="checkbox"/> |
| 2) I authorize GSN to send to me, via e-mail, occasional GSN announcements and publication updates. | | <input type="checkbox"/> |

Regular Membership Dues \$30.00 \$ _____

Student Membership Dues \$15.00 _____

ADDITIONAL DUES

I wish to be a member of the Elko Chapter \$5.00 _____

I wish to be a member of the Southern Nevada Chapter \$5.00 _____

I wish to be a member of the Winnemucca Chapter \$5.00 _____

TOTAL DUE \$ _____

Payment: Check/Cash Visa MC Card # _____

Exp. Date _____ Signature (as it appears on card) _____

**Return with payment to: Geological Society of Nevada, P.O. Box 12021, Reno, NV 89510-2021
Fax to 775/323-3599, e-mail gsn@mines.unr.edu**

MEGA-THANK YOUSSSSS

The Geological Society of Nevada Foundation's first fundraiser was the Rock Raffle and Silent Auction held at the symposium's "Big Party". The event netted more than \$4,700 to further the educational programs supported by the GSN Foundation. This was possible due to the combined efforts of many members and the generous donations of the following people, companies, and organizations:

AngloGold Mining Company
Barrick Gold Corporation
Bondar-Clegg
CGS
Clancy Wendt
Coeur D'Alene Mines
D.D. LaPointe and Tom Irwin
Franco-Nevada Mining Corporation
GeoPrime Minerals
Great Basin Minerals
Joe Tingley
Jon Price
Keck Museum
Ken Cunningham
Lane Griffin
Mackay School of Mines
Mario Desilets
Neil and Cami Prenn
Nevada Bureau of Mines and Geology
Nevada Division of Minerals
Nevada Mining Association
Newmont Gold Corporation
Pearson, DeRidder and Johnson
Robert Horton
Round Mountain Gold Corp.
Scott Werschky
Steve Green
Stone Age Quarry
Viceroy Gold Corporation

Thank you!



Bob Felder of PNGC, winner of the coveted gold splatter, GSN Foundation's fund-raising raffle held at the GSN Symposium 2000 in May.

GSN Newsletter Monthly Advertising Rates

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 \$10/line (up to business card size)	

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

Advertising guidelines:

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

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The Premier Gold Symposium and Short Course of this Decade

November 10 – 11, 2000, in Reno, Nevada. The course will be given at the Cal-Neva resort hotel, Lake Tahoe, Nevada, prior to the GSA Annual Meeting. Organizers: Steffen Hagemann and Phil Brown.

Cosponsored by the **Society of Economic Geologists and AngloGold North America**. Cost: US\$440 – Members; US\$220 – Certified Students; US\$550 – Nonmembers. Registration fees include breakfast, lunch and breaks on both days, two nights of hotel accommodation (double occupancy), shuttle transportation between Cal-Neva and Reno, and a 500-page published *Reviews* Volume.

For information on course registration and reservations, contact the SEG office at 7811 Shaffer Parkway, Littleton, Colorado 80127, Tel. +1.720.981.7882, Fax +1.720.981.7874, e-mail: seg@segweb.org, or website: www.segweb.org. 1

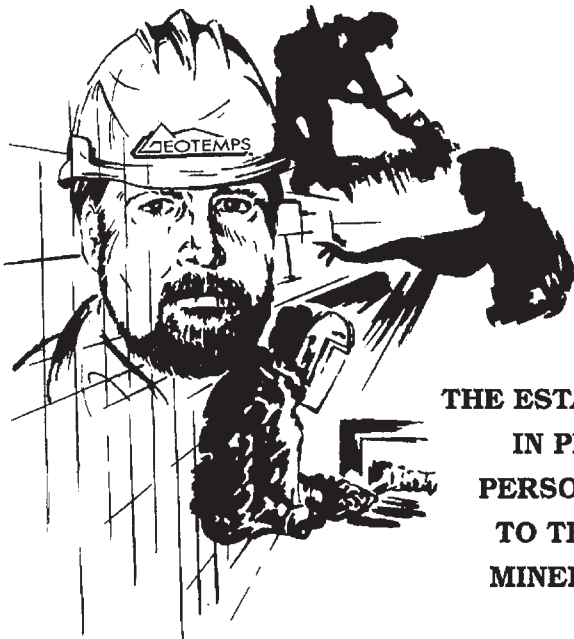


COURSE TOPICS AND PRESENTERS ARE:

- **OROGENIC ARCHEAN GOLD**
—Hagemann (UWA, Perth) and Cassidy (AGSO, Canberra); Hodgson (Barrick)
- **OROGENIC PROTEROZOIC GOLD**
—Partington (Ross Mining) and Williams (JCU, Townsville)
- **OROGENIC PHANEROZOIC GOLD**
—Bierlein (Melbourne) and Crowe (Univ. of Georgia, Athens)
- **OROGENIC GOLD – THE HYDROTHERMAL FLUIDS**
—Ridley (Sydney) and Diamond (Leoben)
- **CARLIN GOLD**
—Hofstra (USGS, Denver) and Cline (UNLV, Las Vegas)
- **EPITHERMAL GOLD**
—Cooke (CODES, Tasmania) and Simmons (Geothermal Institute, New Zealand); Hedenquist (Consultant, Ottawa), Arribas and Gonzalez-Urien (Placer Dome)
- **ALKALIC-RELATED GOLD**
—Jensen and Barton (University of Arizona, Tucson)
- **GOLD PORPHYRY (OXIDIZED) AND GOLD SKARNS**
—Sillitoe (Consultant, London); Meinert (Washington St. Univ., Pullman)
- **INTRUSION-RELATED (REDUCED) GOLD**
—Thompson (Teck) and Newberry (University of Alaska)
- **VHMS-SEDEX GOLD**
—Huston (AGSO, Canberra); Emsbo (USGS, Denver)
- **WITWATERSRAND GOLD**
—Phillips and Law (Great Central Mines)
- **TECTONIC-STRUCTURAL MODELS FOR GOLD**
—Kerrich (Univ. of Saskatchewan), Groves (UWA, Perth), Goldfarb (USGS, Denver) and Garwin (UWA, Perth)
- **GOLD EXPLORATION TECHNOLOGY-SCIENCE INTERFACE**
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UP-COMING EVENTS

Sept 7-9 Nevada Mining Assn Annual Conv, Harvey's Lake Tahoe NV. 775/829-2121

Sept 8-10 Nat'l Assn of Geoscience Teachers Conf, Geology & Tectonics of the Northern Sierra NV, 7 field trips planned at Blairsden, CA. CA State Univ, E Brooks, 530/862-0415, ebrooks@csuhayward.edu

Sept 10-14 WGA 51st Annual Field Conf at Casper, WY. Classical WY Geol in the New Millennium. 307/268-8466, akfgeol@caspers.net

Sept 20-22 AHS Symposium 2000, Environmental Technology for the 21st Century at Phoenix, AZ. Ahs2000@urscorp.com

Sept 30-Oct 1 GSN Fall Field Trip, PGE's, High Grade Gold and History: The Sierra Nevada 2000. 775/323-3500

Oct 5-8 National Drilling Assn, Nat'l Drilling Clinic & Trade Show, San Diego, CA. 800/445-8629.

Oct 6 Well Construction Workshop, Peppermill Hotel & Casino, Reno, NV. Sponsored by the Nevada Water Resources Assn & the American Water Works Association 775/626-6389, donna30@sprynet.com

Oct 7 GSN Annual Picnic at Reno, NV. 775/323-3500, gsn@mines.unr.edu

Oct 9-12 MINExpo Int'l 2000, Las Vegas, NV. www.minexpo.com

Oct 20 GSN Membership Meeting in Reno, NV. 775/323-3500, gsn@mines.unr.edu

Nov 6-8 Applied Geologic Remote Sensing Integrated Solutions for Real World Problems in Las Vegas, NV. 800/582-2228, www.alexispark.com/roomres.html

Nov 7 Denver Prospect Fair & TechnoFest, Colorado Convention Center, Denver, CO. 303/446-2253, Dapl2253@aol.com

Nov 10-11 SEG Short Course, Gold in 2000, at Lake Tahoe, NV. 720/981-7882, seg@segweb.org, www.segweb.org

Nov 12-15 GSA Annual Meeting, Reno/Sparks Convention Center, Reno, Nevada, www.geosociety.org/meetings/2000

Dec 4-8 NWMA Annual Meeting & Expo in Spokane, WA. Pat Bronchetti, 509/624-1158, www.nwma.org

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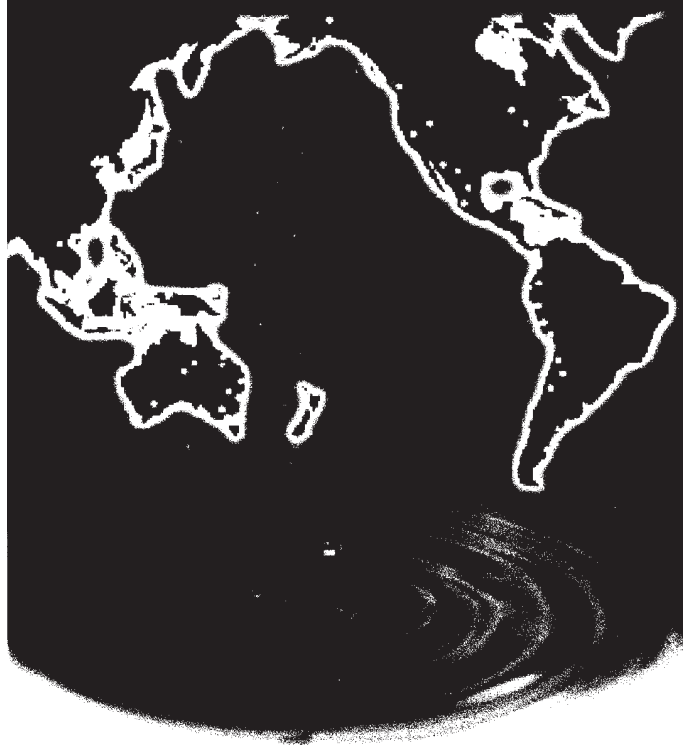
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Larie Richardson, Bruce Miller, Dave Mough, Don Decker, and Dave Jones



Ken Cunningham,
GSN President,
2000-2001, had
them standing in line
for his 1999 fall field
trip to North Peak,
Trenton Canyon,
Buffalo Valley Mine,
and Marigold.