

# GSN NEWSLETTER



September 2001, Vol. 15, No. 7

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## CALENDAR OF EVENTS

**Sept 22**

GSN 13<sup>th</sup> ANNUAL PICNIC: Bowers Mansion State Park, Washoe Valley, South of Reno, NV. Details on page 6. Call Laura Ruud, 775/323-3500.

**Sept 29&30**

GSN FALL FIELD TRIP: Cove/McCoy Tour. Details below. Contact Laura Ruud, 775/323-3500, gsn@mines.unr.edu.

**Oct 17**

GSN MEMBERSHIP MEETING: Reno Elks Lodge, Reno, NV. Speaker: Chuck Thorman, U.S.G.S. Emeritus, Denver, CO, will speak on Brazilian Gold Deposits – Age? Origin? Future Development? Contact Laura Ruud, 775/323-3500, email: gsn@mines.unr.edu.

**GSN Newsletter is published monthly except June and July**

**Geological Society of Nevada**

**PO Box 12021**

**Reno, NV 89510-2021 USA**

**775/323-3500**

## MEMBERSHIP RENEWAL NOTICE

Don't forget that it is now time to renew your GSN membership for the June 2001/May 2002 fiscal year. We provided a Membership Application/Renewal form in last month's Newsletter. Renewal forms are also available on the website: [www.gsnv.org](http://www.gsnv.org). It is important to send your renewal as soon as possible in order to avoid any interruption in your Newsletter this Fall and listing in the Directory in December. If you are unsure about whether you have renewed your dues this year, feel free to contact Laura at the GSN office – 775-323-3500, gsn@mines.unr.edu. See page 4 for renewal form.

## GSN FALL FIELD TRIP

**Magmatism and Gold Deposits in North-Central Nevada – Variations on a Theme**

Bob Thomas, GSN Vice-President

The Fall 2001 GSN Field Trip will visit the McCoy/Cove operation. We will have the opportunity to visit and review in detail two nearby but distinct geologic settings within the spectrum of intrusive-related gold deposits. Underground mining terminated at Cove earlier this summer, and the upcoming trip could very well be the last chance to see the property. Dave Emmons and Marcus Johnston will be our field trip leaders, which will provide us with both an excellent geological and historical perspective on the two deposits that we will visit.

The low price for the trip is courtesy of several very generous sponsors, so we hope people will take advantage of this good deal. Only one 47-passenger bus has been reserved, and sign-ups will be on a first-come, first-serve basis. A waiting list will be maintained. Sign-up form on following page.

Thanks to our generous field trip sponsors: GEOTEMPS, Inc., Eklund Drilling Company Inc., Bondar Clegg Inc., ALS Chemex, and CGS, Inc.



# News and Announcements

## FALL 2001 FIELD TRIP

### MAGMATISM AND GOLD DEPOSITS IN NORTH-CENTRAL NEVADA – VARIATIONS ON A THEME

#### Saturday, September 29

- 7:00 am Meet at UNR parking lot on Evans St. next to Peccole Baseball Field
- 7:30 am Buses leave promptly at 7:30 am
- 11:45 am Buses arrive at McCoy/Cove

Complimentary lunch at Cove

#### Afternoon

Tour of Cove gold-silver deposit, including stops in Cove pit, examination of core, and presentation by Dave Emmons and Marcus Johnston

- 6:30 pm Hosted social and complimentary dinner at Hideaway Restaurant

Overnight lodging – Big Chief Motel

#### Sunday, September 30

- 6:30 am Bus shuttle to breakfast begins from Big Chief
- 7:00- Breakfast at Hideaway Restaurant
- 8:00 am
- 8:30 am Bus leaves Big Chief for McCoy Mine tour
- 9:00 am Arrive at McCoy

Field stops in and around McCoy pit

- noon- Complimentary lunch
- 2:30 pm McCoy field stops, continued
- 2:30 pm Depart McCoy/Cove property
- 7:00 pm Arrive Reno/UNR Campus

Price includes: transportation; one night lodging; lunch and dinner Saturday; breakfast and lunch Sunday; field trip guide book, snacks, beer, and soft drinks on the bus.

Reservations will be on a first-come, first-serve basis. We have only one bus reserved, and field trip space is limited to 45 attendees. A wait-list will be maintained. Payment must be in the GSN office for your reservation to be guaranteed.

Hard hats, steel-toed boots, and safety glasses are required on the mine property.

Please complete and submit ASAP:

### Fall 2001 Field Trip Sign Up

Name \_\_\_\_\_

Daytime Phone \_\_\_\_\_

Fax \_\_\_\_\_ Email \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Email \_\_\_\_\_

Person to contact in case of emergency:

Name \_\_\_\_\_

Phone \_\_\_\_\_

Riding the bus from Reno to/from Battle Mountain

Y\_\_\_\_ N\_\_\_\_

Lodging needed in Battle Mountain: Y\_\_\_\_ N\_\_\_\_

Single\_\_\_\_ Double\_\_\_\_

Roommate (or we will assign) \_\_\_\_\_

#### MEMBER COST:

double room	\$80.00
single room	100.00
w/o Battle Mountain lodging	50.00

#### NON-MEMBER COST:

double room	\$100.00
single room	120.00
w/o Battle Mountain lodging	70.00

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 September 15, 2001

No refunds after September 20, 2001

Fax: 775/323-3599 or mail to GSN office:

P.O. Box 12021, Reno, NV 89510-2021,

or email to: gsn@mines.unr.edu

## 2000 FALL FIELD TRIP



Greg Kuzma and Heidi Anderson enjoying a special coffee break.

## ERM Environmental & Resource Management

New Address

Environmental & Resource Management, Inc.

4600 Kietzke Lane, Suite C129

Reno, Nevada 89502

Phone: (775) 826-8822 ❖ Fax: (775) 826-8857

# GSN October 17, 2001 Membership Meeting

**Date:** Friday, October 17, 2001  
**Time:** Social-6:00, Dinner-7:00, Meeting-8:00  
**Cost:** \$17.00 (dinner)  
**Reservations:** 775/323-3500; fax 323-3599 or e-mail:  
gsn@mines.unr.edu  
**Deadline:** Reserve by noon Wednesday, October 15

**Location:** Elks Lodge, 597 Kumle Lane, Reno, Nevada  
**Directions:** Across (W) from the Reno-Sparks Convention Center  
(S Virginia St), just behind the Les Schwab Tire Center  
**Speakers/topic:** Chuck Thorman, USGS Emeritus, Denver, CO,  
Brazilian Gold Deposits - Age? Origin? Future Development?

## GSN FOUNDATION UPDATE

Joseph Anthony Kizis, Jr.  
Chairman of the Board, GSN Foundation

### The GSN Foundation needs your support!

... to continue its programs for this fiscal year. Unrestricted donations from our individual members are particularly important at this time so that we can continue our programs while we build up the Endowment Fund, primarily through our corporate sponsors. Members, please consider including a donation for the Foundation along with your GSN membership dues payment. Even a small donation of \$5, if received from a majority of our members, would provide a significant portion of our funding requirements. Members can also help by encouraging our corporate sponsors to give generously to the Endowment Fund.

The Board of Directors has set December 31, 2001 as the end of our current "Charter Founding Donors" campaign. Those individuals and corporations that contribute to the Foundation by this date will be forever known as "Charter Founding Donors" to the GSN Foundation. Contributors will be listed in the GSN's Newsletter immediately following receipt of their donation by the Foundation, and again after the close of this campaign. "Charter Founding Donors" will also receive special recognition at future Foundation events and on the GSN's web site ([www.gsnv.org](http://www.gsnv.org)).

The goal of this campaign is to raise \$100,000 for the Endowment Fund and \$8,500 in Unrestricted Funds. This will provide sufficient funding for this year's programs, with investment income from the Endowment Fund providing a majority of future year's funding.

Categories for donations are:

Benefactor Level	\$5000 and above
Gold Level	\$1000 to 4999
Silver Level	\$500 to \$999
Donor	up to \$499.

Donations for this campaign will be additive, so those individuals and corporations that contributed last fiscal year can add to their donations to increase to another category level if they wish.

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 and, during its first

fiscal year, contributed \$5,880 to two programs: \$5,380 to the K-12 Earth science field trip grants, and \$500 to the UNLV scholarship.

THE GSN FOUNDATION WOULD LIKE TO THANK THE LATEST "CHARTER FOUNDING DONORS" FOR THEIR GENEROUS SUPPORT!

#### Donor Level:

Steve Barnwell  
Dr. Robert K. Cook  
Lew Gustafson  
Joseph Anthony Kizis, Jr.  
Bert Jeffries  
John M. Lucas  
Sandra Powers  
Michael W. Ressel  
Neill H. (Vic) Ridgley  
Eric & Laura Ruud  
Roger Steininger  
Eric & Debbie Struhsacker  
Bob Thomas

*Come Celebrate!*  
**THE**  
**mighty SULLIVAN**  
**A GEOLOGICAL GATHERING**

The mighty Sullivan will finally close its doors late this year after almost a century of production. Cominco is pleased to host a final geological meeting in

**KIMBERLEY, B.C.**  
**NOVEMBER 9TH & 10TH, 2001**

**Great lineup of talks**  
on Friday, November 9th.

**Last chance to tour the mine**  
on Saturday, November 10th.

**Meet old friends,**  
swap stories at the poster session/chat room.

No registration fee. Favorable hotel rates have been arranged.  
To receive the circular and registration info, e-mail [helen.augustin@cominco.com](mailto:helen.augustin@cominco.com)



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*William F. Bondar - Founder, President, 1962 - 1989*

## ANALYTICAL SERVICES

Eric Ruud @ 1-775-359-9330 eruud@bondarclegg.com

# ERRATICA

## An Occasional Column on Exploration and the Mining Industry

Tony Taylor

### JOBS WANTED

With our industry and careers in such disarray, it is heartening to see the occasional job advertised by GSN. A sign that geologists, a resourceful bunch if ever there was one, are looking out for themselves. The local exploration scene is dismal, even if the spirit is undimmed, and we must face the fact that exploration in Nevada will not revive until gold and silver prices rebound. Who knows when that will be? Meanwhile, a few stalwarts are toying with decorative rock, the occasional paid consultant is spotted scurrying east on I 80 and some prospects turn slowly in the wind.

But there is more we can do collectively to find meaningful work for the pool of well-educated, talented and experienced people that we are and we should make the most use of our outstanding organization, GSN, for this purpose. Here are some immediate thoughts.

Is there not a shortage of science teachers in schools? Not perhaps such an adventurous life as winding down a Sierra trail on the back of a mule, but teaching is very rewarding and offers security, reasonable salaries and excellent benefits. Let's talk to the school districts.

A long article in the New York Times a few weeks ago bemoaned the dearth of geological and geophysical talent in the petroleum exploration industry. Exploration, after all, is the science of drilling anomalies.... for metals, oil or hot water. Lets talk to the petroleum industry.

Talking of hot water and wondering when rolling black-outs will become a fact of life, should we not be poring over heat-flow maps of the Basin and Range and asking why the Bush Administration is not promoting a massive geothermal exploration program? Lets talk to the government. What! do we want to do that?

Let the ideas come rolling in.

Exploration Rule No. 1 "The meek shall inherit the Earth, but not the mineral rights" (J.P.Getty)

## WEBSITE UPDATE

The GSN website ([www.gsnv.org](http://www.gsnv.org)) has recently been updated with photos from the Spring Field Conference held in Battle Mountain last May. There are also a few photos from the GSN Golf Tournament held in June at Washoe Golf Course in Reno, NV. The website is a great place to find out what is happening at the GSN and an easy place to download forms or place online book orders. Please visit the website and check it out!

## GSN 13TH ANNUAL PICNIC

Mark your calendars!

The GSN's 13<sup>th</sup> Annual Picnic is scheduled for Saturday, September 22, 2001 at Bowers Mansion Park in Washoe Valley, in the North Picnic area. The picnic will begin at noon until 5:00 p.m. Bring your spouse, kids, friends, or just yourself for an afternoon of adult games, kid games, barbeque and beer. The GSN Education Committee will provide the meat, snacks and beverages. Please bring a salad, vegetable or dessert to share.

Please complete and return the form by September 10th or call Laura Ruud @ the GSN office, 775/323-3500. **Hope to see you there!**

Larry Garside taking his turn in the rock hammer throw competition at the 2000 picnic.



### 13<sup>th</sup> 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

## UP-COMING EVENTS

**Sept 6-8** – NV Mining Assoc Annual Conv, Lake Tahoe, NV. Contact Stacy Rittel for more information, 775/829-2121.

**Sept 14** – Northern NV section of SME meeting. Speaker: Peter Babin, Royal Gold, topic: Royalty Financing, An Alternative to Debt and Equity. Noon @ the Bonanza Casino, Reno, NV. See the website for more information: [www.smennv.org](http://www.smennv.org).

**Sept 20-23** – Utah Geological Assoc and Pacific Section of AAPG host the 2001 Annual Field Conference, Cedar City, UT, "The Geologic Transition Colorado Plateau – Basin and Range." Contact Dr. Mel Erskine, 510/234-6214 or [mcerskine@home.com](mailto:mcerskine@home.com).

**Sept 22** – **GSN 13<sup>th</sup> ANNUAL PICNIC**: Bowers Mansion State Park, Washoe Valley, South of Reno, NV. Details on page 6. Call Laura Ruud, 775/323-3500.

**Sept 25&26** – National Mining Association Convention, Washington D.C. 202/463-2625.

**Sept 29&30** – **GSN FALL FIELD TRIP**: Cove/McCoy Tour. Limit 45. Details on pages 1 and 2. Contact Laura Ruud, 775/323-3500, [gsn@mines.unr.edu](mailto:gsn@mines.unr.edu).

**Oct 12** - Northern NV section of SME meeting. Speaker: Alan Coyner, NV Division of Minerals, Topic: Discussion of the State of Nevada's mining industry. Noon @ the Bonanza Casino, Reno, NV. See the website for more information: [www.smennv.org](http://www.smennv.org).

**Oct 17** – **GSN MEMBERSHIP MEETING**: Reno Elks Lodge, Reno, NV. Speaker: Chuck Thorman, USGS Emeritus, Denver, CO, will speak on Brazilian Gold Deposits – Age? Origin? Future Development? Contact Laura Ruud, 775/323-3500, email: [gsn@mines.unr.edu](mailto:gsn@mines.unr.edu).

**Nov 5-10** – Alaska Mining Convention & Trade Show, Alaska Miners Assoc., Anchorage, AK 907/276-0347.

**Nov 9&10** – The Mighty Sullivan Mine is closing. Cominco is pleased to host a final geological meeting and mine tour in Kimberly, B.C. No registration fee. For more information: [helen.augustin@cominco.com](mailto:helen.augustin@cominco.com).

**Dec 3-7** – Northwest Mining Association's 107<sup>th</sup> Annual Meeting, Spokane, WA. 509/624-1158, [www.nwma.org](http://www.nwma.org). (GSN Booth #1426)

**Dec 15** – SME Christmas Party, Harrah's Prospector Club, Reno, NV. Begins @ 6 p.m. Contact Marcie Wood, 331-2375 for information.

## NORTHERN NEVADA SECTION OF SME MEETING ANNOUNCEMENT

Roger C. Steininger

Program Chairman, Northern Nevada section of SME

The Northern Nevada section of the Society of Mining Engineers will conduct its first meeting for the 2001-2002 season on September 14, 2001. As in the past, meetings start at noon, on the second Friday of the month, at the Bonanza Casino (4720 N. Virginia) in the second floor meeting room. After a luscious buffet and a short business meeting, a speaker will deliver a general interest talk. The first two meetings of the coming season will be:

Sept. 14, 2001: Peter B. Babin, President, Royal Gold Inc., "Royalty Financing, An Alternative to Debt and Equity."

Oct. 12, 2001: Alan R. Coyner, Administrator, Nevada Division of Minerals. Discussion of the state of the NV mining industry, the abandoned mines program, environmental issues facing the industry, and other subjects of interest.

The cost of lunch is \$15.00 and there is a \$10 per year Section dues (this is not covered in your SME dues).

Announcements will appear in the GSN newsletter, and the Section's website-[smennv.org](http://smennv.org). If you have any questions about the meetings please call or email me.

## OPPORTUNITIES FOR VOLUNTEERS

### NEVADA BUREAU OF MINES AND GEOLOGY INFORMATION OFFICE

The Nevada Bureau of Mines and Geology (NBMG) seeks qualified volunteers to assist our Information Office with the following important tasks.

1. Creating an Electronic Information Office. This task initially requires sorting, cataloging, filing, and computer-database indexing of donations of air photos, reports, maps, and other materials; oil and gas and geothermal files; and publications of the U. S. Geological Survey and other agencies. This may require some locating and interpreting items on maps and air photos and in reports. We have a very large backlog of such materials, and new donations arrive almost daily. Our overall plan is to digitize these records and make them available on line. We feel that providing all our Information Office files on the Web will be a wonderful service to the mining, energy, construction, and geotechnical industries. Volunteers can help accelerate the process of getting this information on the Web.

2. Building a First-Rate Sample-Collection System. We also have a large backlog of cuttings, cores, and rock samples that need sorting, cataloging, filing, and computer-database indexing. NBMG houses cuttings and some core from oil and gas and geothermal wells drilled in Nevada. We also have various research collections, largely of samples from mining districts, and core from selected projects, including core drilled by the U.S. Bureau of Mines during World War II. We are integrating our sample database with that of the W.M. Keck Museum of the Mackay School of Mines, and our overall plan is to also integrate thesis collections from the UNR Department of Geological Sciences into the database. We plan to provide this database in a searchable manner on the Web (a preliminary version is already available), so that a geologist in an office in Reno, Elko, Denver, or London could quickly find out whether there is a specific mineral, fossil, or ore sample from a given mining district or locality in our collections. Some of this activity will involve working in our storage facilities on campus and at Stead.

3. Serving the Public in Nevada. Each year the NBMG Information Office serves about 3,000 customers who visit the office to use our open files or sample collections or who make inquiries by mail, e-mail, or telephone. Volunteers could help answer customers' questions and do some research in our files. Most questions are mundane and involve such things as where certain mines or oil wells are located and who owns them; what is some geological or hydrological aspect of the area where someone lives; what is the rock the customer has just brought in; or how to research the value of some old mining stocks. However, questions are asked that require more knowledge or research, such as history of a certain area; location and age of certain roads, railroads, trails (including the Pony Express trail), or structures; fossils; genealogy; meteorites; magic rocks; dowsing for water or minerals; areas to collect rocks or to prospect; staking mining claims; finding areas open to claim staking; mining law; suitable areas for filming movies; school science projects; and more. Volunteers could also help with miscellaneous office work, such as answering phones, responding to written inquiries, helping customers find materials in our files, refiling materials, photocopying, digitizing, and other cartographic and geographic information system (GIS) work.

Ideal qualifications for volunteers are a willingness to serve the public, some geological, mineral-industry, or engineering expertise or interest, and friendly personality. We would prefer volunteers who are willing to work between four to sixteen hours per week for at least a few weeks. Volunteers will be loaned a University parking pass purchased by NBMG.

If you are interested in becoming a volunteer, please contact David Davis, NBMG Geologic Information Specialist and supervisor of volunteers, at (775) 784-6691 x 133 or [ddavis@unr.edu](mailto:ddavis@unr.edu), or visit the office in Room 311, Scrugham Engineering/Mines Building on the University of Nevada, Reno campus between the hours of 7:30 a.m. and 2:45 p.m., Monday through Friday. Thank you.

# GEOLOGICAL SOCIETY OF NEVADA



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