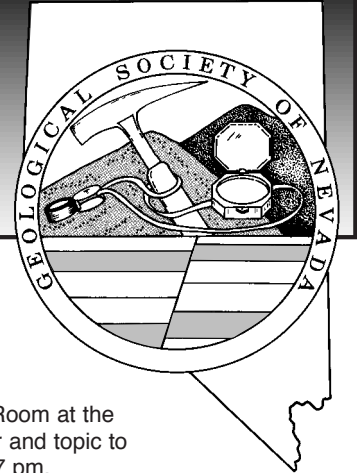


GSN NEWSLETTER



March 2002, Vol. 16, No. 3

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CALENDAR OF EVENTS

- March 6 Wednesday** WINNEMUCCA CHAPTER MEETING: Humboldt Room at the Red Lion Hotel/Casino, Winnemucca, NV. Speaker and topic to be announced. Bar opens at 6:45 pm, meeting at 7 pm. Contact Sheila Bunch, sbunch@lambdacom.com, 775/623-0202.
- March 14 Thursday** ELKO CHAPTER MEETING: High Desert Inn, Elko, NV. Speaker: Dr. Clemens Reimann, AEG Distinguished Lecturer, Austria. Topic to be announced. Refreshments at 6:30 pm. Contact Leslie Creel, 775/468-4400 for information.
- March 15 Friday** GSN SYMPOSIUM 2005 - Second Organizational Meeting: Round Table Pizza, N. McCarran and Mae Anne Ave., Reno, NV. 12 noon. Contact Dave Shaddrick, 775/746-2071 or Laura Ruud, 775/323-3500 for more information.
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- March 21 Thursday** SOUTHERN NEVADA CHAPTER MEETING: Lilly Fong Geoscience Building, Room 102, UNLV, Las Vegas, NV. Speaker: Dr. Catherine Snelson. Title: "Crustal Structure in Western Washington State: Implications for Seismic Hazards." Social-5:30 pm. Contact Chris Riecken, 702/435-5664 for information.

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

FROM THE PRESIDENT

Dave Shaddrick, GSN President 2001-2002

The results of the voting for the proposed Bylaws change are in. They have been approved by a wide margin (98%) and will take effect immediately. This leaves only a couple of financial issues left to be taken care of. The first is addressed in this issue of the newsletter where our Treasurer, Cami Prens, reports The Society's financial results for the last two fiscal years. This has been a large undertaking and she deserves a rousing cheer for her hard work. The second relates to the results of Symposium 2000 and our plans for the proceeds. This will be reported next month.

Speaking of Symposia, the first meeting of the organizing committee for Symposium 2005 was well attended (given the fact that many people had to be at the CREG meeting – poor timing on my part) and we are on track to have a proposal to the GSN Executive Committee in March. Once approved, the official Symposium 2005 Committee will begin to form. There are plenty of areas to help out and volunteers are always welcome. The next meeting will be at noon on March 15 at the Round Table Pizza in the Safeway shopping center at West McCarran and Mae Anne Ave. GSN will buy the Pizza!

continued on page 2

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News and Announcements

FROM THE PRESIDENT (continued from page 1)

Finally, The membership directories are out and they look great. Greg French, Raye Buckley and Laura Ruud deserve high praise for a job well done. The Society has saved a considerable amount of postage because so many of you took the time to pick up your directories in person. The fact that we got some free beer at MDA was a very pleasant extra. Thanks to Cami and Neil Prenn, and the whole group at Mine Development Associates for their generosity.

8-STEP PROGRAM

Roger Steininger
reprinted from SEG

For those of you who are without current employment in the geological profession and are in the process of changing careers, I have developed an 8-step program to assist you through those times when the mood strikes to take up aerial photos and pencils, and start locating outcrops.

Step 1 – Admit that you are a recovering geologist by introducing yourself by saying, “Hi, I am Bob and I am a geologist. I am powerless over my profession and my life is unmanageable.”

Step 2 – Admit there is a power greater than you and it is the H.R. Department.

Step 3 – Decide to turn your life over to a new career path, even if it is Home Depot.

Step 4 – Realize the need to map or sample will overcome you from time to time. When that need arises you will have to call a friend to be with you until you put the color pencils down and the white bags away.

Step 5 – Inventory your short drill holes and ask for forgiveness for missed orebodies.

Step 6 – Stop watching metal prices.

Step 7 – If called by a head hunter, learn to laugh at such phrases as “we are looking for someone who thinks outside the box”.

Step 8 – Make friends outside of the mining business. You need to talk about something else beside the lack of work.

I hope this will help in your transition period that is ahead.

AEG-AIPG 2002 JOINT ANNUAL MEETING

September 22-29, 2002, Reno, NV
“Gambling with Geologic Hazards”

Technical Sessions will be offered September 25-27, 2002 (Peppermill Hotel, Reno, NV, Wednesday-Friday), emphasizing environmental and engineering geology. Special symposia to be presented include: (1) Tunneling; (2) Addressing Hazardous Waste and Contamination Issues at Abandoned Mines in the Western United States; (3) Solving Real-World Problems with Geology and Geologic Maps; (4) The Future of Engineering Geology; (5) Landslides; (6) Evaluation of Earthquake Hazards; (7) Controversies in Mining Hydrology; (8) Quaternary Faulting; (9) Solid & Hazardous Waste; (10) Sustainable Development of Geological Resources; (11) Dealing with Nuclear Waste, Yucca Mountain; and (12) Sustainability of the Geological Profession and Yourself as a Geologist.

For more information, including Short Courses and Field Trips, contact: Julie C. Keaton, AEG Meetings Manager at 909-337-0657 (aegjuliek@aol.com), or Jon Price at 775-784-6691 extension 126 (jprice@unr.edu). See AEG’s Web Page: <http://www.aegweb.org>

CONGRATULATIONS!

It seems a couple of our members have been staying busy with the birth of new babies.

Congratulations go out to Greg and Laura Hill on the birth of their daughter, Alaina Leah, born on Sept. 23, 2001.

Double congratulations are due to Todd Process and his wife, Lisa. They had a boy **and** a girl (twins) on February 7, 2002. Grace Ann (5#) and Austin James (6#) arrived a month early but everyone is home and doing fine.



GSN March 15, 2002 Membership Meeting

Date:

Friday, March 15, 2002

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, March 13

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

Speaker/topic:

Dr. Clemens Reimann, AEG Distinguished Lecturer, Austria.
Geochemical Provinces - Do They Exist and What is Their Relation to Regional Geology?

GEOCHEMICAL PROVINCES – DO THEY EXIST AND WHAT IS THEIR RELATION TO REGIONAL GEOLOGY?

Dr. Clemens Reimann, AEG Distinguished Lecturer, Austria

It has been proposed that there exist on the earth surface large-scale geochemical provinces, areas that are enriched or depleted in certain chemical elements. These geochemical provinces are so large that they can easily be detected by ultra-low-density geochemical sampling (e.g., 1 site per 100 – 5000 km²). Their possible relationship to metallogenic provinces, and thus their value for regional exploration as well as the appropriateness of the term “geochemical province”, is still disputed.

Results from a large regional geochemical mapping project, the “Kola Ecogeochemistry Project” and some other projects are used to show once more that regional-scale geochemical patterns do exist. Are these, however, geochemical provinces? It is demonstrated that the processes leading to the development of these large geochemical anomalies are very different. Some fit established lithological boundaries whereas others follow lineament structures or mark large-scale hydrothermal alteration halos. Some very large-scale patterns are directly related to regional geology. Due to the multitude of processes that can lead to the development of a large geochemical anomaly, it is questionable that the term “geochemical province” is a needed and clear description for such patterns. It is, however, rather obvious that geochemical anomalies can exist at very different scales.

The results presented demonstrate that there exists a need for a better understanding of the regional distribution of chemical elements at the earth surface. To be able to detect large-scale geochemical anomalies, mapping on a continental or even global scale is necessary. Such data could then provide valuable input to the interpretation of the geological evolution of large regions. Although there may be no direct relation between metallogenic provinces and large geochemical anomalies, results of low-density geochemical mapping can also be used to define prospective areas for more detailed mineral exploration.

SPRING 2002 GSN FIELD TRIP

The spring field trip dates have been fixed as June 15-16, with a theme on Jurassic magmatism, hydrothermal alteration, and metal deposits in western Nevada. Tours of the Yerington District (June 15) and the Humboldt Mafic Complex (June 16) are currently being lined up. John Dilles, David Johnson, and Mark Barton will be participating. These folks have completed considerable recent work in these areas, and we are fortunate to have their participation. We currently have several interesting papers lined up for inclusion in the field trip guidebook, mostly geological but also including a historical contribution as well as a paper(s) describing the ongoing environmental issues at Yerington. We welcome additional papers. Interested contributors should contact Bob Thomas at 775-331-4032, or email rdtxplore@charter.net. We have the ingredients for a great trip, and additional paper contributions will make it even better. In addition to the main trip, an optional visit to the Birch Creek pluton in the White Mountains, California, is planned for Friday, June 14th. For those interested in more information on this optional visit, please contact Mark Barton at his email address: barton@geo.arizona.edu.

GSN'S FINANCIAL REPORT

FISCAL YEARS ENDED MAY, 2000 AND MAY, 2001

The last GSN Financial report was for the 1999 fiscal year so the report presented here addresses the 2000 and 2001 fiscal years. Financial results from Symposium 2000 are **not** included in this report; that will be reported separately. These figures are summarized from the financial statements prepared by GSN's accounting firm, Albright, Persing & Associates.

During fiscal year 2001, GSN's Reno operations were profitable. The Spring Field Conference greatly increased proceeds over a "normal" Spring Field Trip, with a corresponding increase in its expense, however, the event was profitable in the end. Many expense items decreased significantly during 2001, most notably in directory and newsletter costs, conventions, and personnel. GSN still funded the UNR scholarship in 2001, but its total donations were down significantly due to the Foundation. It is worthwhile to note that GSN's Programs & Events (Meetings, Field Trips) generate slightly more revenue than they cost and the Newsletter and Directory Advertising is paying for the cost of those publications for members. Part of the revenue for our Events is the money given by the generous Sponsors of GSN who help make our meetings possible. Please remember to thank them and patronize them when you can.

The financial records are always available for review by members. Please contact the Treasurer during business hours to arrange a meeting.

GSN Executive Committee

GEOLOGICAL SOCIETY OF NEVADA	Income Statement, Fiscal Year 2000			Income Statement, Fiscal Year 2001			
	Reno Chapter	So. Nevada Chapter	Elko Chapter	Reno Chapter	So. Nevada Chapter	Elko Chapter	Winnemucca Chapter
Sales - Publications & Novelty	\$34,319.00			\$26,508.57			
Dues	26,347.50			28,050.00			
Programs & Events (Meetings, Field Trips, Etc.)	32,460.01		2,176.34	76,371.77		\$1,588.07	\$220.00
Directory / Newsletter Ads	14,180.00			15,835.00			
Investments							
Investment Income	9,085.12			7,809.47			
Capital Gains on Investments	12,413.51			9,684.46			
Loss on Investments	(7,445.72)						
TOTAL INCOME	121,359.42		2,176.34	164,259.27		1,588.07	220.00
Printing Publications	23,156.21			14,907.80			
Programs & Events	29,794.48	1,296.05	5,016.66	73,995.39	940.94	3,093.06	153.36
Directory / Newsletter	13,059.12			10,599.02			
Grants / Donations	7,771.00			2,200.00			
Operating Expenses							
Advertising	5,639.53			2,490.47			
Bank Charges	1,535.33			1,488.98			35.05
Office Mgr., Typographer, & Bookkeeper	39,737.95			30,208.83			
Depreciation	384.15			503.90			
Matching Dues to SubChapters	3,070.00	(800.00)	(2,109.00)	4,420.00	(660.00)	(1,089.52)	(2,030.00)
General Administrative	1,697.75	(19.90)	544.91	1,939.22			
Insurance	764.00			1,000.00			
Office Supplies	2,227.87			1,224.16			
Postage	4,527.62		350.25	4,415.32		177.00	
Legal & Accounting	5,158.11			1,766.00			
Rent-Storage/Postage Meter	2,406.41			3,113.64			
Telephone	1,606.93			1,619.38			
Total Operating Expenses	68,755.65	(819.90)	(1,213.84)	54,189.90	(660.00)	(912.52)	(1,994.95)
TOTAL EXPENSES	142,536.46	476.15	3,802.82	155,892.11	280.94	2,180.54	(1,841.59)
PROFIT (LOSS)	\$(21,177.04)	\$(476.15)	\$(1,626.48)	\$8,367.16	\$(280.94)	\$(592.47)	\$2,061.59

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**WESTERN NV
 REGIONAL SCIENCE FAIR JUDGES**

Western Nevada Regional Science and
 Engineering Fair
 Thursday, March 14, 2002
 Lawlor Events Center, Reno, NV

If you would still like to volunteer as a judge, please email Liz Crafford at aejonescrafford@geologicsservices.com as soon as possible. Liz will send the details to you via email. This is a fun event and you get a chance to see what the children in northern Nevada are working on in their science classes. Call Liz at 775-846-7901 with any questions.



STORIES FROM THE SAGEBRUSH

The Ol' BLM Bomber Amongst Us

Did you hear that GSN has a BLM bomber as a member? The funny thing is that he is still runnin' free and the Law is chasin' Osama bin Bombed instead of this guy. Must pay to be a geologist cuz they already know geologists are crazy cause they work in the minin' industry.

Well the story is that Steve Craig left "the package" on the doorsteps of the Battle Mountain BLM office in the early morning hours and just a few days after the terrible bombin' of New York Ceety. Seems that the BLM office lost their cool and shut down the office. They then called out the Battle Mountain Bomb Squad and blew up "the package" into a million pieces of confetti. They knew who did it cuz ol Steve put his name on the package. Pretty dumb for a Bomber.

All this was confusin to Steve, cuz he knew his Plan of Operations might not fly with these guys, but blowing it up without reading it first was humbling to him. The bottom line was that if Steve left another package on the doorsteps with the BLM, then he would have to pay for the services of the bomb squad. So there you are, better not leave strange packages on the BLM's doorsteps, as they don't like it, especially in Battle Mountain. If you do, then Steve will have to pay for it.

Signed, Prospector Joe, as anonymous

(If anyone else has a funny story to tell – please email it to Laura Ruud at the GSN office gsn@mines.unr.edu or fax it to 775/323-3599. All stories will be approved by the Executive Committee before publishing.)



NEVADA BUREAU OF MINES AND GEOLOGY PUBLICATIONS

(please note these are not available
at the GSN office)

The following publications are now available in the NBMG Publication Sales Office (SEM 310):

M130 - Geologic map of the Battle Mountain Quadrangle, Lander County, Nevada by P. Kyle House, Alan R. Ramelli, and Chester T. Wrucke (2001) \$15.00

A 1:24,000-scale, full-color geologic map of the Battle Mountain 7.5' quadrangle in Lander County, with one cross section and 29 geologic units. The map focuses on late Pleistocene and Holocene alluvial deposits that comprise the broad floodplain of the Humboldt River. The complex array of deposits represents more than 10,000 years of geomorphic and hydrologic change, and indicates the significance of rivers as recorders of environmental change in the Great Basin.

P-2 - Dangers in and around abandoned mines (10th edition) - with new phone number free

The following publications are now available for viewing in the Information Office (SEM 311):

USGS OF 01-393 - Thickness and geometry of Cenozoic deposits in California Wash area, Nevada, based on gravity and seismic-reflection data by Langenheim, Miller, Page, and Grow (January 2002), 27 pages, also on the Internet at <http://geopubs.wr.usgs.gov/open-file/of01-393>

USGS OF 01-4239 - Ground-water discharge determined from measurements of evapotranspiration, other available hydrologic components, and shallow water-level changes, Oasis Valley, Nye County, Nevada by Reiner, Lacznik, DeMeo, Smith, Elliott, Nylund, and Fridrich (Carson City, Nevada 2002)

USGS OF 02-39 - Resistivity structure across the Humboldt River basin, north-central Nevada by Rodriguez and Williams, also on the Internet at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-02-0039>

You may place an order or check charges for shipping through our shopping cart at

<http://www.nbmgs.unr.edu/sales.htm>
or by calling (775) 784-6691 x2.

Thanks! Charlotte Stock, Publication Sales – NBMG.

UP-COMING EVENTS

March 5 – Arizona Geological Society, Speaker: Tim Lawton, Topic: Bisbee Basin: Extensional tectonics and Laramide inversion, Arizona, Sonora and New Mexico, InnSuites, Tucson, AZ. Contact AGS at 520/663-5295.

March 5-9 – Alaska Miner's Association Biennial Conference. Theme: The first 100 years; where do we go from here? Westmark Hotel, Fairbanks, AK. www.alaskaminers.org

March 6, Wednesday – WINNEMUCCA CHAPTER MEETING: Humboldt Room at the Red Lion Hotel/Casino, Winnemucca, NV. Speaker and topic to be announced. Bar opens at 6:45 pm, meeting at 7 pm. Contact Sheila Bunch for information, sbunch@lambdacom.com, 775/623-0202.

March 7 – Nevada Petroleum Society Monthly Meeting, Alan Wallace, USGS, Formation, preservation and destruction of Miocene paleosurface-related epithermal deposits, northern Nevada. Austin's Restaurant, Reno, NV. Cocktails-6 pm, dinner-7 pm, talk-8 pm. Reservations required. Contact Marilyn Miller, 775/334-2772 x26.

March 8 – Northern NV section of SME meeting. Noon at the Bonanza Casino, Reno, NV. See the website for more information: www.smennv.org.

March 10-13, 2002 – PDAC Annual Convention, Toronto, Canada. Information; 416/362-1969. Email: hsklarz@pdac.ca Come visit the GSN Booth #924!

March 12 – Northwest Geological Society meeting. University Plaza Hotel, 400 NE 45th St., Seattle, WA. George Bennet, Consultant, "Silica Mining in Washington". Dinner reservations: Art Coulter, coulters@worldnet.att.net.

March 14, Thursday – ELKO CHAPTER MEETING: High Desert Inn, Elko, NV. Speaker: Dr. Clemens Reimann, AEG Distinguished Lecturer, Austria. Topic – to be announced. Refreshments at 6:30 pm. Contact Leslie Creel, 775/468-4400 for information.

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March 15 – Nevada Landmen's Association Annual Great Big Party at Hidden Valley Country Club, Reno, NV. Sponsored by Eklund Drilling, Nevada Landmen's Association and the International Association of Right of Way Agents. Contact Susie Mason at smason@nvlandman.org for details. All GSN Members are cordially invited.

March 21 – Colorado Scientific Society meeting. Speaker: Dr. Larry Meinert, Washington State Univ. Topic: Terroir-the connection between wine and geology, 240 Union Restaurant. Limited Space. Contact Eric Nelson for more information at 303/273-3811 or enelson@mines.edu.

March 21, Thursday – SOUTHERN NEVADA CHAPTER MEETING: Lilly Fong Geoscience Building, Room 102, UNLV, Las Vegas, NV. Speaker: Dr. Catherine Snelson. Title: "Crustal Structure in Western Washington State: Implications for Seismic Hazards". Social-5:30 pm. Contact Chris Riecken, 702/435-5664 for information.

March 25-27 – 14th Annual Clark County Minerals Education Workshop, Cheyenne High School, Las Vegas, NV. Contact Diane Bryan, NV Mining Association at 775/829-2121 or dbryan@nevadamining.org.

April 14-16 – SEG Annual Convention, Global Exploration 2002: Integrated Methods for Discovery; Denver, CO. For information go to www.seg2002.org.

September 22-29 – AEG-AIPG 2002 Joint Annual Meeting "Gambling with Geologic Hazards", Peppermill Hotel, Reno, Nevada. Contact contact: Julie C. Keaton, AEG Meetings Manager at 909-337-0657 (aegjuliek@aol.com), or Jon Price at 775-784-6691 extension 126 (jprice@unr.edu). See AEG's web page: <http://www.aegweb.org>.

May 2, 2000

Dear GNS Members,
I would like to thank you for helping us get to the fossil pit. I had fun looking for fossils. The bus ride was even fun. It was warm out but, I was too busy looking. I found many fossils. I found heads, tails, a whole fish, and the stomach. I found something else. It wasn't a stickleback though. The trip helped me learn more about fossils. I even got to keep them to show my parents and brother. My brother had gone two years before me and gave me a hint. He said to break the chalk, layer by layer. I did and got 13 fossils. Thank you so much.

Sincerely,
Allison Mangosing

West End,
Fallon, NV

GEOLOGICAL SOCIETY OF NEVADA



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