GSN NEWSLETTER

December 2005, Vol. 20, No. 10

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CALENDAR OF GSN EVENTS

Dec 14 Wednesday GSN CHRISTMAS MEMBERSHIP MEETING. Speaker: Donald Hudson,

Consulting Geologist, "A Brief Overview of the History and Geology of the Comstock District: 150 Years of Chicanery, Exuberance and Naiveté". Reno Elks Lodge, 597 Kumle Ln, Reno, NV. Drinks 6 pm, dinner 7 pm, talk 8 pm. Silent Auction and Raffle will be going on from 6 – 9 pm. Contact Laura Ruud for reservations, 775/323-3500,

gsn@mines.unr.edu.

Dec 14 Wednesday WINNEMUCCA CHAPTER MEETING. Speaker: Norm Lehrman. Presentation and exhibit titled: "Rocks from the Sky: Nevada's Secret Meteorite Rush". The Martin

Hotel, Melarkey and Railroad Streets. Drinks & hors d'oeuvres begin at 6:30 pm, presentation at 7:00 pm. Contact Kim Craig, Chapter President, for more info:

775/529-5001 x1340, kim craig@Placerdome.com.

Dec 15 Thursday ELKO CHAPTER MEETING. Speaker: Marcus Johnston, Newmont Mining Corp. Title: To be announced. Western Folklife Center, Elko, NV. Drinks at 6:00 pm,

talk at 7:00 pm. Contact: John Watson, Chapter President, for more info:

775/738-2062, jwatson@barrick.com.

Dec 17 Saturday SOUTHERN NEVADA CHAPTER HOLIDAY PARTY. Nevada Mineral and Book Company, Henderson, NV. See page 8 for details or contact Robyn Howley for more

information. Email: robynhowley@yahoo.com or 702/895-5054.

Jan 20 Friday GSN MEMBERSHIP MEETING. Speaker: Mike Brady, Consulting Geologist,

"Nevada Gold from 1993 to 2004: A Brief Look in the Rear View Mirror to See Where

We Are Headed".

Feb 17 Fridav GSN MEMBERSHIP MEETING. Speaker: Eric Saderholm, Newmont Mining Corp,

"Phoenix Mine - New Life in an Old District".

GSN Newsletter is published monthly except June and July

Geological Society of Nevada, PO Box 13375, Reno, NV 89507 USA, 775/323-3500, www.gsnv.org Office location: Laxalt Mineral Research Center, Rm 266, UNR. Hours: Mon thru Fri, 9 am-12 noon

If you haven't renewed your dues this is your last newsletter and your name will not be in the GSN 2005/2006 Directory. The deadline has been extended to December 15^{th} .

FROM THE PRESIDENT

Dieter Krewedl, GSN President 2004-2006

Hello to everyone and best wishes for a **happy and safe holiday season**. The increase in commodity prices during 2005 will help to make it a prosperous New Year as well. The gold price is at a new 18 year high and seems to be poised to break through the \$500 an ounce mark, which would encourage even more exploration in Nevada during 2006.

The **November membership meeting** was well attended and we had a great talk by Alan Wallace of the

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continued on page 2



FROM THE PRESIDENT continued from page 1

USGS on the late Cenozoic landscape evolution in northern Nevada. His research shows that mineral deposits in northeastern Nevada, such as in the Carlin area, are being exhumed or eroded, whereas those in northwestern Nevada are being concealed. This kind of field oriented research has very practical applications to the exploration for mineral deposits and ground water in Nevada and should be continued within the USGS. Well done, Alan!

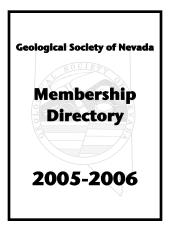
The first GSN Board of Directors meeting was held in Reno on November 19 with all 11 members in attendance representing the GSN and its three Chapters. The majority of the meeting was spent reviewing the current status of the GSN, setting up Board committees and electing Richard DeLong as Chair of the Board. There were constructive and informative presentations by members of the GSN Executive Committee, which will help the Board make decisions on a number of issues, such as the membership dues structure, in future quarterly meetings.

The Christmas membership meeting, scheduled for Wednesday, December 14, is shaping up to be a fun event. The meeting will be highlighted by a presentation from Don Hudson, who probably knows more about the history and geology of the Comstock District than anyone else. Don will discuss "150 years of chicanery, exuberance and naivete" of the Comstock. It should be great fun to hear about the colorful history of the Virginia City area. A big thank you to Boart Longyear / Lang Exploratory Drilling for their sponsorship of the Christmas social hour, which will help make this meeting a festive one.

Adding to the festivities during the Christmas meeting will be the annual GSN Foundation rock raffle and silent auction fundraiser with proceeds going to GSN educational projects. The GSN Foundation recently provided a \$2,000 scholarship to Keith Cox, a senior in economic geology at UNR, plus awarded a record \$7,272 for twenty nine K-12 earth science field trip grants to schools throughout Nevada. For details on donating items to this important fundraiser, please contact D.D. LaPointe at 775/784-6691 ext 134 or e-mail at dlapoint@unr.edu.

Also, don't forget to attend the AIPG 16th Annual Exploration Roundup dinner meeting on Tuesday, December 13. Details of the meeting are provided in the Upcoming Events announcements in this newsletter. There have been a number of exploration successes this year in Nevada, which along with the higher gold price will encourage more exploration during 2006. I plan to have some of these success stories presented during our 2006 membership meetings.

Advertising space still available!



GSN MEMBERSHIP DIRECTORY Deadline has been extended to December 15th!

Advertise your business, products, or services in the 2005-2006 GSN Membership Directory. Due for distribution in January 2006.

The following advertising space sizes are available:

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Please send your advertisement and check (payable to Geological Society of Nevada) by December 15, 2005.

Thanks to AGNICO-EAGLE for hosting the November meeting.

GSN December 14, 2005 Membership Meeting

Date: Wednesday, December 14, 2005

Time: Social-6:00, Dinner-7:00 (\$20), Meeting-8:00

Reservations: 775/323-3500; fax 323-3599,

e-mail gsn@mines.unr.edu

Deadline: Reserve by 11 am Tuesday, December 13th

Location: Elks Lodge, 597 Kumle Lane, Reno, NV

Directions: Across (W) from the Reno-Sparks Convention Center (S Virginia St), behind the Les Schwab Tire Center

Speaker/topic: Donald M. Hudson, Consulting Geologist

See abstract below.

A BRIEF OVERVIEW OF THE HISTORY AND GEOLOGY OF THE COMSTOCK DISTRICT: 150 YEARS OF CHICANERY, EXUBERANCE, AND NAIVETÉ

Donald M. Hudson, Ph.D.

The Comstock district in Nevada is one of the most famous precious metal districts in the U.S. Great volumes of fiction, semi-fiction, and facts have been published in past sesquicentennial. A colorful history lies in the discovery and development of the district. Within the history of the Comstock lies many tall tales, the roots of mining law, the industrialization of mining, and the development of economic geology. The geologic story of the formation of this large epithermal district has had global impact on the understanding and misunderstanding of epithermal vein systems. The geologic interpretation of the district has evolved through successive workers that continues to this day.

Don Hudson was born and raised in New Jersey. After receiving his B.S. degree in geology from Marietta College in 1974, he came to Reno for graduate school and has never left the area. He received his M.S (1977) and Ph.D. (1983) degrees in economic geology from the University of Nevada-Reno. Don has worked for major and junior companies in mineral exploration for over 20 years in the Western United States and Central and South America primarily for low and high sulfidation epithermal precious metal deposits. As a consulting geologist since 1989, he provides petrographic and x-ray diffraction analysis services for a wide range of companies in mineral exploration, industrial minerals and geological engineering. Don's on-going research has focused on the famous Comstock Lode District, deciphering the geologic setting and ore deposits of the district.

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GSN BOARD OF DIRECTORS MEETING

The GSN Board of Directors held its first meeting on November 19th and all Board members were in attendance. The majority of the meeting was taken up with organizing Board committees and reviewing the current status of GSN. The Board established the following six committees to conduct the main business of the Board: Nomination, Audit, Fiscal, Rules, Foundation, and Symposium. In addition, Richard DeLong was elected as Chair of the Board. The GSN Treasurer and the Chair of the GSN Foundation provided discussions of GSN and the Foundation finances. There were also general discussions concerning GSN operations, both present and past, giving the Board members a detailed understanding of GSN functions.

At the request of the Executive Committee and based on concerns expressed by some of GSN's Chapter leaders and members, the Board

Front row: Kim Craig, Winnemucca Chapter President; Dave Caldwell, Elected Member; Eric Ruud, Elected Member; Robyn Howley, Southern Nevada Chapter President

Back row: Dieter Krewedl, GSN President; John Watson, Elko Chapter President; Steve Green, Elected Member; Jean Cline, Elected Member; Rich DeLong, Elected Member & Chair of the Board; Clancy Wendt, Most Recent Past GSN President; Dave Shaddrick, Elected Member.

discussed the status of dues for GSN in general and specifically GSN Chapters. One issue identified is the fact that most years since 1994, GSN has lost money. The Board's discussions did not identify a clear consensus on significant expenses that could be eliminated, in order to make ends meet, without harming GSN's programs to foster the geological sciences. The other issue associated with dues is determining the best way to define membership in the GSN Chapters. The Fiscal Committee and an Ad Hoc group will be assessing these issues over the next few months and the Board will make a recommendation to the Executive Committee in the spring.

The Board set its quarterly meetings for February, May, August and November. The next meeting will be Saturday, February 18, 2006 in Reno. The Board would appreciate input from the Members of GSN on any of the issues under consideration by the Board.

ACTIVITY UPDATE

Mike Brady, October 2005 www.activityupdate.com

NEVADA

Placer Dome Inc.(60%) announced that it will develop the Cortez Hills Project at a capital cost of \$455,000,000 to produce 670,000 ounces/year gold. Permitting for the project will now require an estimated 2-years. (reserve = 71,170,000 tons @ 0.078 opt Au proven+probable)

N.M.: September 23

Midway Gold Corp. announced that recent drill results at the Midway Project include 65.5-86.8 meters @ 0.877 opt Au (MW399) obtained from the newly discovered Dauntless Zone.

Press Release: October 14

Atna Resources Ltd. announced that total underground development at the Pinson Project includes 1,575 feet of 14ft x 16ft drifting and 350 feet of decline. Channel sampling across the Ogee Zone within the decline also returned a truce width of 35 feet @ 0.692 opt Au as oxide mineralization. (reserve = 1,760,000 tons @ 0.302 opt Au proven+probable)

Press Release: October 20

Castleworth Ventures Inc. announced that recent drill results at the Pan Project include 0-15 feet @ 0.011 opt Au (05-94); 0-5 feet @ 0.011 opt Au (05-95); 0-55 feet @ 0.023 opt Au (05-98); 15-35 feet @ 0.022 opt Au (05-99); 10-20 feet @ 0.016 opt Au (05-101); 85-95 feet @ 0.020 opt Au (05-102); 30-105 feet @ 0.019 opt Au (05-103) and 110-150 feet @ 0.023 opt Au (05-115). (resource = 17,900,000 tons @ 0.019 opt Au indicated) *Press Release:* October 11

Grandcru Resources Corp.(70%) and Consolidated Global Minerals Ltd. (30%) announced that they combined their respective property interests in the Danny Boy area into a joint-venture. Global will contribute 600 acres of fee lands and 2,920 acres of leased Quarter Circle s Ranch lands whereas Grandcru will contribute the Danny Boy Property, 500,000 shares and \$1,000,000 in exploration expenditures over 5 years. *Press Release:* September 6

Gateway Gold Corp. announced that lower plate rocks were intersected in the first hole drilled this year at the Golden Dome Project at a depth of 1,707 feet. (hole GD05-07C).

Press Release: October 6

Klondex Mines Ltd. announced that recent drill results at the Fire Creek Project include 1,370-1,380 feet @ 0.091 opt Au (FC0510); 1,610-1,620 feet @ 0.036 opt Au (FC0511); 1,045-1,060 feet @ 0.476 opt Au (FC0512); 1,025.2-1,050 feet @ 1.229 opt Au (FC0513) and 951.9-953.8 feet @ 0.216 opt Au (FC0514). (resource = 1,779,200 tons @ 0.328 opt Au indicated)

Press Release: October 21

Nevada Pacific Gold Ltd. announced that recent drill results at the Cornerstone Project include 10-130 feet @ 0.015 opt Au (CSR05-14). *Press Release:* October 13

Queenstake Resources Ltd. announced that based on recent drill results at the Starvation Canyon Project,

resources aggregate 617,800 tons @ 0.294 opt Au indicated. (was 577,000 tons @ 0.271 opt Au indicated)

Press Release: September 27

Quincy Energy Corp. announced that based on an evaluation of historical drill results at the Aurora Project, resources aggregate 17,010,000 tons @ 0.052% U3O8 indicated. (was 16,770,000 tons @ 0.048% U3O8 inferred)

Press Release: September 13

Victoria Resource Corp. announced that it acquired an option to earn a 100% interest in the Black Canyon Property from Sleeping Midas LLC for undisclosed terms.

Press Release: October 18

Idaho General Mines Inc. announced that the Phase I plan for the Mt. Hope Project is now in the permitting process. Phase I includes the construction of a 44,000 ton/day open pit mine and concentrator at a capital cost of \$400,000,000 capable of producing 28,500,000 pounds/ year of molybdenum. (reserve = 330,000,000 tons @ 0.098% Mo proven+probable) *P.D.:* September 2005

Canyon Resources Corp. announced that it terminated its option regarding the Hycroft Property of Vista Gold Corp. (resource @ Brimstone = 61,567,000 tons @ 0.018 opt Au)

P.D.: September 2005

Jipangu Inc. announced that it signed an agreement to purchase Florida Canyon Mining Inc., Standard Gold Mining Inc. and Apollo Gold Exploration Inc. from Apollo Gold Corp. for \$14,000,000 and by purchasing a private placement of 3,500,000 Apollo shares. (reserve @ Standard = 22,501,700 tons @ 0.018 opt Au proven+probable; @ Florida Canyon = 16,792,000 tons @ 0.016 opt Au proven+probable)

Press Release: October 19

GSN MEMBERS' PERSONAL NOTES & NEWS

Career Related Moves

▶ Craig Parkinson has accepted the position of Senior Project Manager and Mining Services Coordinator with Vector Engineering based in Grass Valley California. He is responsible for providing Vectors geological engineering expertise to the Nevada mining industry. Craig is a registered professional geologist, Nevada certified environmental manager, and independent QP, and is glad to be back and active in GSN.

Members are encouraged to keep us informed about their own career related moves and awards, and deaths of GSN colleagues. Your information needs to be received by Laura at gsn@mines.unr.edu by the 21st of each month.

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GSN Holiday Party ROCK RAFFLE ITEMS NEEDED!!

It's time to think about donating items for the Geological Society of Nevada Foundation's fundraiser "Rock Raffle and Silent Auction" to be held at our annual Christmas meeting on December 14. We are seeking donations

of any items suitable for raffle – gift baskets, attractive rock or mineral samples, gems or gemstones, jewelry, wine or other spirits, logo items, geological equipment or publications, commemorative coins, GOLD, or any geology or mining-related items will be gratefully accepted.

Raffle proceeds support GSN'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 will have their names displayed on signs at the event as well as having their names listed in the January newsletter. The GSN Foundation is a 501(c)(3) public charity, tax ID # 88-044 7867.



Please send donated items to D.D. LaPointe at the following address 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!

D.D. LaPointe, GSN Educational Committee Co-Chair and GSN Foundation Trustee, Nevada

Bureau of Mines and Geology/ MS178, UNR, Reno, NV, 89557-0088. Phone: 775/784-6691, ext. 134, fax: 775/784-1709, e-mail: dlapoint@unr.edu.

Thank you to our generous donors

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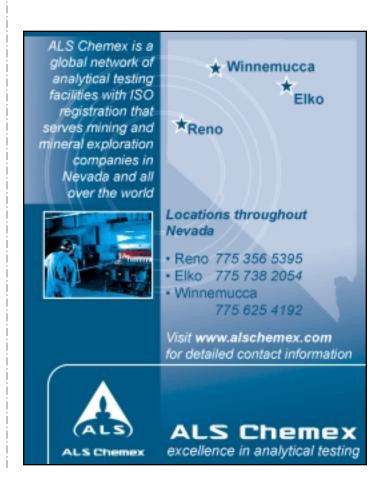
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Business card size (31/2 x 2'') \$ 50.00 Quarter page $(3^{1/2} \times 4^{3/4})$ 150.00 Half page $(4^{3/4} \times 7^{1/2})$ 300.00 Classified ads \$10/line (up to business card size)

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

WINNEMUCCA CHAPTER DECEMBER 14TH MEETING

The Winnemucca Chapter of the Geological Society of Nevada will meet on Wednesday December 14 at the Martin Hotel. Drinks with hors 'dourves will begin at 6:30 and the presentation will begin around 7:00. Our speaker is Norm Lehrman and his presentation and exhibit is titled "Rocks from the Sky: Nevada's Secret Meteorite Rush".

ABSTRACT

Rocks from the Sky: Nevada's Secret Meteorite Rush Norm Lehrman

After a slow start—only three known meteorites in the State's history through 1995—Nevada is fast becoming a boom state for meteorites. In the subsequent 10 years, upwards of 250 new visitors from space have been discovered! Taking place in remote and desolate playas, this "rush" is largely unknown to even the geologically-informed. This talk will cover Nevada's special favorability for meteorite discovery, as well as basic meteorite and impactite lore with an aim of training the audience to recognize and search for meteorites on their own. The talk will be presented on a relatively non-technical level, copiously illustrated with both photos and hand-samples, and a wide range of specimens will be available for purchase to help you calibrate your eye.

SOUTHERN NEVADA CHAPTER HOLIDAY PARTY!

The GSN Southern Nevada Chapter is having their Annual Holiday Party on Saturday, Dec. 17th beginning at 4 pm. at the Nevada Mineral and Book Company in Henderson, Nevada. Food and refreshments will be hosted by Walt Lombardo of the Nevada Mineral and Book Company and the So. NV Chapter. For more information please contact Robyn Howley, Chapter President, via email: robynhowley@yahoo.com or link to their website through www.gsnv.org. Address is 645 N. Pueblo Blvd. (in the Marker Plaza) Henderson, Nevada 89015.

UPCOMING EVENTS

- **Dec 2** NEVADA PETROLEUM SOCIETY Scott Tinker, Texas State Geologist and Director of the Bureau of Economic Geology at the University of Texas at Austin "The Future of Energy." Austin's Restaurant, 7671 South Virginia Street in Reno, NV. Cocktails at 6:30 pm. Dinner is served at 7:00. The talk immediately follows dinner, 7:45 or 8:00 pm. Reservations are required; please contact Diane Phillips at trailsend@pyramid.net or 775/267-4663.
- **Dec 3** NO. NEVADA SECTION OF SME ANNUAL CHRISTMAS DINNER & DANCE Prospectors Club, Harrah's in Reno, NV. 6:00 pm. Cost \$45/person. For reservations contact Terry Albert at KCA, 775/972-7575 or talbert@kcareno.com.
- **Dec 5-9** NORTHWEST MINING ASSOCIATION, 111th Annual Meeting and Exposition, Spokane, Washington. Contact: Pat Heywood, e-mail: pheywood@nwma.org; web: http://www.nwma@nwma.org. **COME VISIT THE GSN AT NWMA MEETING IN BOOTH #42!!!**
- **Dec 6** ARIZONA GEOLOGICAL SOCIETY MONTHLY MEETING David Howell, USGS Menlo Park. Subject: The Geology and Wine of Napa Valley (and Wine Tasting). InnSuites Hotel, 475 N. Granada Ave, Tucson, AZ. For reservations, please call 520/ 663-5295 by the Friday before the meeting.
- **Dec 6-15** The Lowell Program in Economic Geology at the University of Arizona is presenting a Short Course on Porphyry Deposits, which will be held in Tucson, AZ. For further information, please contact Eric Seedorff at seedorff@geo.arizona.edu or Lukas Zurcher at Izurcher @geo.arizona.edu.
- **Dec 13** AMERICAN INSTITUTE OF PROFESSIONAL GEOLO-GISTS 16th Annual Exploration Roundup Focusing on Junior and Mid-Tier Companies; 10 speakers. Holiday Inn, 6th Street, Reno, NV. Cocktails @ 6:00 pm. Sponsored by EKLUND DRILLING, dinner @ 7:00 pm and program @ 8:00 pm. Students sponsored by Eklund Drilling. Door prizes courtesy of Mark Stock, Global Hydrogeologic Services. Reservations required: Contact Kel Buchanan @ 775/786-4515, fax 775/786-4324 or summitcrk@aol.com.

2006

- Jan 23-26, 2006 MINERAL EXPLORATION ROUNDUP, BC Yukon Chamber of Mines, Vancouver, BC, Canada. Phone: 604/689-5271 or visit www.chamberofmines.bc.ca.
- **Feb 7-9, 2006** 108th National Western Mining Conference & Exhibition, Colorado Mining Association, Hyatt Regency Denver, Denver, CO. For info contact Stuart Sanderson @ 303/575-9199 or email: colomine@coloradomining.org, or visit www.coloradomining.org.
- March 5-8, 2006 PDAC 2006, International Convention, Trade Show & Investors Exchange, Toronto, ON, Canada. Phone: 416/362-1969 or visit www.pdac.ca.

DON'T FORGET TO RENEW YOUR MEMBERSHIP BEFORE DECEMBER 15TH

See www.gsnv.org for a form.

REFLECTIONS

Kel Buchanan

Eric Seedorff's concern about the declining state of Economic Geology at our major universities was timely and provident, especially given the rise in commodity prices over the last year. Education is the key to reversing this trend, and the GSN/AIPG sponsored K-12 Earth Science Field Trip Grant program is a step in that reversal. Last year, teachers from 23 different Nevada schools led over 2000 students in 32 separate field trips, supported by the \$6,662.00 grant. Field trips included the Hazen diatomite mine, Spring Mountain Ranch Park, Red Rock Canyon, Nevada Sate Museum, Sand Mountain, Mono Lake, Mt Gilead, the William Keck museum and the Coloma gold mining education center, to name just a few. D.D. LaPointe, who serves on the GSN education committee, advises me that this year, there have been requests from 33 schools for grants. This program is certainly popular and the continued, demonstrable success of the program should attract a corporate sponsor when the three year commitment of AIPG funding expires.

On a different topic, most GSN members are aware that becoming a CPG member in the AIPG automatically qualifies that geologist as a Qualified Person (QP). On June 30, 2006, the AIPG will require all applicants after that to submit proof of continuing education. If you are thinking of joining AIPG, you may want to get your sponsors lined up and get your application in before that date.

The 16th annual AIPG Exploration Round Up is being held at the Holiday Inn in Reno on December 13 and to date, speakers from Bravo Resources, Miranda, Newmont, Agnico Eagle, AuEx, New West and Nevada Pacific have committed to do a presentation. Eklund Drilling is our sponsor and Mark Stock, Global Hydrogeologic Services, is providing door prizes.

THANK YOU LETTER FROM AN APPRECIATIVE TEACHER

Attention: Ms. LaPointe

Please extend our sincere appreciation to the Geological Society of Nevada for helping fund our field trips this past year. Our second trip was to Mt. Charleston area on May 6, 2005. We were able to take 94 children from an "At-risk" school—who otherwise would not have this opportunity-and show them some of the natural wonders surrounding them. We were able to study first hand the fault zones and see the results of major earth movements which formed our fault block mountains. I hope the GSN continues this program and though I am moving to a new school that is not "At-Risk" I hope they will consider assisting with funding future trips for my students. My sincere thanks again on behalf of Swainston M.S. and my Earth Science students.

Dan Jalbert

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Merry Christmas

to all our GSN members and friends