



PICK & SHOVEL

P.O. Box 5342, Lincoln, Nebraska 68505-0342, www.lincolngemmineralclub.org

Volume 54, Issue 5
January 2012

The purpose of this corporation shall be to study, promote an interest in, and disseminate knowledge of lapidary and various Earth Sciences including but not necessarily limited to Geology, Paleontology and Mineralogy. It shall be a particular purpose of the corporation to provide education in these fields to its members and the general public, especially to youth and student groups.



SUNSHINE CORNER

Happy 90th Birthday to Bill Rockel!!

Membership

Happy Anniversary to:

Phyllis Parks - 1960
John Harrison - 1972
Sharon Marburger - 2000
Nancy Akins - 2001
Pat Akins - 2001
Donna Anderson - 2006
Ed Anderson - 2006
Kenneth Jensen - 2006
Sharon Jensen - 2006
Connie McCartney - 2006



UPCOMING EVENTS

Regular monthly meetings are held at 7:00 p.m. at the Bethany Park Shelter House on the third Thursday of the month: Sep., Oct., Nov., Feb., Mar., Apr., and May; the first Sunday in December; and the fourth Saturday in January. Youth activities begin at 6:30 p.m. on the same dates. Summer meetings and other activities will be announced as they are planned.

Calendar of 2012 Meeting Dates

<u>Board</u>	<u>General</u>
Jan. 4	Jan. 28
Feb. 1	Feb. 16
Feb. 29	Mar. 15
Apr. 4	Apr. 19
May 2	May 17
Sep. 5	Sep. 20
Oct. 3	Oct. 18
Nov. 1	Nov. 15
Nov. 28	Dec. 2

Special Activities

Geology Day	Feb. 12
Show	Apr. 7-8
Grinding Party	Jul. 8

Mid-Winter Rock Swap

January 28, 2012, 1:00 - 5:00 p.m.
Bethany Park Shelter House
Pizza Supper at 5:45 p.m.
General Meeting follows at 7:00 p.m.
No Mineral Monkey activity planned.
No program planned.
See flyer on page 8.

January Rock Party

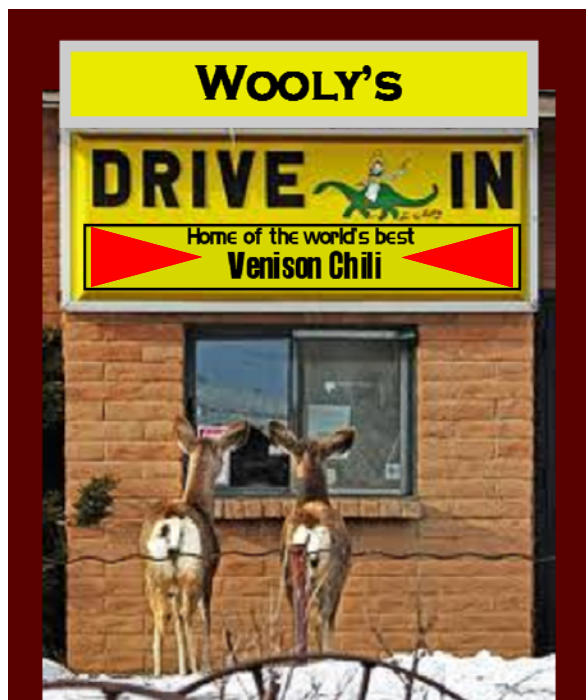
January 22, 2012, 5:00 p.m.
Home of Charles Wooldridge
See announcement on page 3.

National or Regional Events

January and February - Annual shows at Quartzsite and Tucson. More information is available in Rock & Gem Magazine or <http://www.rockngem.com/show-dates-display/?ShowState=ALL>.

January Rock Party

HOSTED BY WOOLY & JACKIE
6115 HUNTINGTON, LINCOLN



Unfortunately, they mistakenly thought the chili was FOR them.

Sunday, January 22, 5:00 p.m.

Socialize with fellow enthusiasts!

Our hosts will provide Wooly's famous venison chili. Bring your tantalizing dishes and plan to have some fun!

Remember to bring your hobby projects and portable equipment.

Mid-Winter Swap January 28

GEMS ON STAMPS 2011

submitted by Richard Peterson, President

This is the list of newly reported worldwide postage stamps, as published in the January-December 2011 issues of Linn's Stamp News (Special Edition), that depict GEMS, MINERALS & JEWELRY.

Aitutaki, 564j, 565;
 Argentina, 2493;
 Belgium, 2497;
 Bulgaria, 4573;
 Cook Islands, 1357j, 1358;
 Croatia, 784;
 French Polynesia, 1031-1033, 1047a, 1050;
 French Southern & Antarctic Territories, 443;
 Germany, 2601;
 Great Britain, 2931-2938;
 Greenland, 576-577;
 Grenada Grenadines, 2769-2772;
 Guyana, 4036;
 India, 2454a;
 Japan, 3301j;
 Jordan, 2064-2068;
 Kazakhstan, 618;
 Malaysia, 1352a;
 Moldova, 662-663;
 Mongolia, 2674;
 Mozambique, 1908;
 New Caledonia, 1096;
 New Zealand, 2309, 2309b, 2326e, 2327c, 2326g, 2327a, 2366-2367;
 Oman, 507;
 Penrhyn, 478, 485-486, 489, 510a;
 Poland, 3989;
 Portugal, 3197-3200;
 Romania, 5173-5177;
 Russia, 7249;
 Saudi Arabia, 1409;
 Slovenia 860, 862, 864, 864a;
 Turkey, 32123;
 Ukraine, 813;
 United Nations, 1022b;
 United States, 3758B.

The American Topical Association (ATA) is dedicated to stamp collectors who collect their favorite subjects depicted on postage stamps. Search the ATA web site for more information.

GENERAL MEETING MINUTES

LGMC General Meeting, December 4, 2011, Bethany Park Shelter House

Respectfully submitted by Sharon Marburger, Secretary

The December general meeting was called to order at 5:58 p.m. by President Richard Peterson. Attendance was not remarked upon.

No business was conducted. The minutes of the November meeting and the Treasurer's Report will need to be approved at the January meeting.

1. December Rock Party – hosted by Jim & Sharon Marburger on December 10 at 5:00 p.m. Ham, coffee, and tea will be provided. Wooly plans to show Roger Pabian's slides to determine if a program can be made.
2. Sunday with a Scientist, December 18, 1:30 – 4:30, demos needed.
3. Mid-winter Rock Swap will be January 28, 2012 from 1 – 5 at the Bethany Park Shelter House.
4. General Information Sheet – Pete suggested we revamp the GIS and has provided his preferred format. Wooly suggested we try a tri-fold design, including the membership application on the back. Sharon was asked at the Board meeting to mock up a sample. She will submit each design to the Board for review.

5. Refreshments – Mary Pittard began lining up volunteers to bring snacks to the 2012 General meetings.
6. The Board requests the Webmaster and at least one junior leader to attend Board meetings.
7. Zoo School – request for assistance in identifying their rock collection. Pete will set up the date and time.
8. Gem & Mineral Display at UNL – the University is behind on lining up displays. We should hear from them very soon.
9. Show flyer postcards have arrived. Take as many as you like and distribute them.

The meeting adjourned to Rock Bingo at 6:07 p.m. on a motion by Jim Marburger, second by Sharon Marburger. Carried.

Rock Bingo – Everyone received a prize by the end of the evening. It appeared as though everyone had a good time.

Merry Christmas.

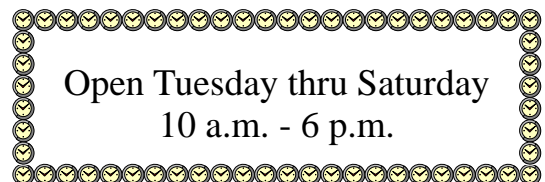
Don't forget the Mid-Winter Rock Swap on January 28 at 1:00 p.m.!

LINCOLN CURIOS ROCK SHOP

6625 Burlington - Lincoln, NE 68507 [Park in alley]
(402) 310-3307

► SPECIALIZING IN ARIZONA PETRIFIED WOOD ◀

- ◆ Rough stones and fossils for the hobbyist
- ◆ Polished stone items for interior décor
- ◆ Great selection of tumble-polished stones
- ◆ Natural petrified wood for landscaping



Open Tuesday thru Saturday
10 a.m. - 6 p.m.

BOARD MEETING MINUTES

LGMC Board Meeting, November 30, 2011, Gere Library

Respectfully submitted by Sharon Marburger, Secretary

The December Board meeting was called to order at 6:30 p.m. by President Richard Peterson. Board members present were Richard Peterson ("Pete"), Ed Dvorak, Vera Lyman, Sharon Marburger, Jim Marburger, and Ed Ridge. Guest Pat Dvorak was also present.

OLD BUSINESS:

1. Minutes of the November meeting – Ed Dvorak moved to accept the minutes as printed, second by Jim Marburger. Motion carried.
2. Treasurer's Report – Jim Marburger moved to accept the report as printed, second by Ed Dvorak. Motion carried.
3. Sunday With A Scientist – Pete reminded the Board about putting on a "grinding party" type display at the December program.
4. Webelos – Jim Marburger reported that the event during the November General meeting went very well.
5. The Marburgers reminded the group about the rock party to be held at their residence on December 10 at 5:00.

NEW BUSINESS:

1. Christmas Party – December 4. Club to provide fried chicken, cider and coffee. Members to bring two sides each. Remind Wooly to bring Bingo. Everyone donate Bingo prizes.

2. Zoo School – Wants the club to help grades 9 – 12 to help categorize their rock collection. Pete will arrange a date and time.
3. General Information Sheet – Pete would like to see the sheet updated. Concerns regarding readability have arisen. Sharon asked to update according to Pete's sample.
4. It was proposed that the webmaster and junior leader(s) be required to attend Board meetings. They would not be Board members or hold voting positions. This would increase the communications among the groups.

COMMITTEE REPORTS:

1. 2012 Show Committee – 4x6 postcards of the show flyer have been ordered and should arrive Friday. Programs Chair Pete has requested suggestions of more program ideas. Results were to contact with Iowa regarding their giant sloth, and contact the Indian Museum at Genoa, Nebraska. So far, Pete has lined up programs on the Ogallala Aquifer, Lake Superior Agates, Fairburn Agates, and stromatolites. An e-mail has been received from the Special Features displayers saying they still plan to attend.

The meeting adjourned at 7:13 p.m. on a motion by Ed Dvorak, second by Jim Marburger. Motion carried.

DECEMBER ROCK PARTY

by Sharon Marburger

The December Rock Party was hosted by the Marburgers in their Hickman home on December 10, 2011. In addition to the hosts, nine members attended. As usual, a variety of tasty food abounded. Once everyone filled their tummies to bursting, they retired to the living room where Wooly was set up to show slides from the late Roger Pabian's estate. About 500 slides were viewed to determine if any could be converted to digital photos and programs be made. The slides were interesting and some showed quite beautiful agates. (I know, who would have guessed Roger would own photos of agates!) I did not hear what was decided about converting the slides.

(Continued on page 10)

BENCH TIPS BY BRAD SMITH

SHARP KNIVES FOR CUTTING MOLDS

Cutting molds is easier and more precise with a sharp blade. A new X-acto blade is sufficient for cutting RTV molds but is usually not sharp enough for vulcanized rubber. For that it's best to use scalpel blades available from most jewelry supply companies. The #11 blade is triangle shaped, and the #12 is hawksbill shaped. I find the hawksbill is particularly nice for cutting the registration keys of the mold.

USE YOUR THUMB

When using multiple bits in your Foredom, you often have to deal with several different shaft sizes - the usual 3/32 inch burs, the larger 1/8 inch shafts sizes and, of course, many different drill sizes. For some reason, I really dislike having to turn the key multiple times to open or close the jaws of the handpiece chuck.

There's nothing you can do to avoid multiple key turns when opening up the jaws, but there's a neat trick to close the jaws around a smaller shaft. Hold the new bit in the center of the open chuck jaws, put your thumb lightly onto the outer toothed collar of the chuck, and gently start up the Foredom. As the chuck turns, it will naturally tighten the jaws around the shaft of the bit. Then all you have to do is a final tightening with the key.



More BenchTips by Brad Smith are at groups.yahoo.com/group/BenchTips/
or
facebook.com/BenchTips

Silversmithing classes

The Jewelry Connection Ltd.
Indian Village Shopping Ctr.
13th & Arapahoe, Lincoln

Tuesdays

January 10, 2012

thru

February 28, 2012

7:00 p.m. - 10:00 p.m.

Tuition: \$100 plus \$25 supply deposit

Contact:

Jayne Beer 402-890-3307

Judith Bay 402-423-7058

or e-mail

jbeer60070@aol.com

Lincoln Gem & Mineral Club, Inc.
presents its 54th Annual Show

2012: A Rock Odyssey

Saturday, April 7, 2012: 9:00 a.m. to 6:00 p.m.

Sunday, April 8, 2012: 10:00 a.m. to 5:00 p.m.

Lancaster Event Center

84th and Havelock, Lincoln, Nebraska

CHILDRENS' ACTIVITIES JASPER EDUCATIONAL PROGRAMS

DEMONSTRATIONS PETRIFIED WOOD GEMSTONES

EQUIPMENT MINERALS

BEADS JEWELRY FOSSILS

SUPPLIES AGATES DEALERS FREE PARKING!

FUN FOR THE WHOLE FAMILY

**Admission: \$5 per adult, children 11 and under free with paid adult.
\$9 for a 2-day pass. Bring this coupon or can of food for the
Lincoln Food Bank for \$1 off admission for each adult in party.**

PETE'S NOTES

by Richard Peterson, President

WATER - Part I. The importance of water during a collecting trip cannot be overemphasized. As readers of Pete's Notes know, I have made the mistake of not carrying enough water with me when collecting. If you are caught in a situation where water becomes an issue, here are ways to conserve what water you have. (1) Keep fully clothed. Clothing helps control perspiration by slowing down, but not preventing, the cooling effects of your evaporating sweat. (2) Slow down. You will survive longer on less water if perspiration is kept to a minimum. (3) Do not gulp the water you are trying to conserve; drink in sips. (4) Reduce water loss by breathing through your nose, not through your mouth. (5) Drinking alcohol, salt water, or your urine only increases your risk of dehydration. (6) Chewing gum or sucking on pebbles are only a convenient form of delaying the urge to drink.

When temperatures are high, rationing yourself to only 1 to 2 quarts of water on an outing could be inviting problems. Forget the expensive, fancy-flavored bottled drinks. There is no substitute for, nor does your body require anything more than, plain water. If venturing out alone, no matter what the temperature, carry more water than you think you will need.

DEHYDRATION - Rules to live by. (1) Drinking water only when you feel thirsty is not advised. Thirst alone is not a strong enough sensation to indicate the amount needed to maintain normal activity. If only enough water is consumed to satisfy thirst, it is still possible to become dehydrated. (2) No permanent harm is caused by minor dehydration, even if you lose up to 10% of your body weight. For example, a person weighing 200 pounds can lose 20 pounds through perspiration, provided enough water is ingested later to gain the weight back. (3) You can survive 25% dehydration if the air temperature is below 85°F. However, at temperatures in the 90s and above, 15% dehydration could cause serious health problems.

SYMPTOMS OF DEHYDRATION. At first there is a feeling of thirst and general discomfort; this is followed by an inclination to slow down. Then there is loss of appetite. As more water is lost, you become drowsy as your body temperature rises.

Then you begin to feel nauseated. As you approach 10% loss of body weight, symptoms increase in this order: dizziness, headache, difficulty breathing, tingling in the arms and legs, dry mouth, your body turns bluish, speech becomes impaired and there is an inability to walk.

HELPFUL TIP - IF YOU MUST DRINK: The thought of having to drink river water should be part of your trip plan. We'll assume you carry enough water for the day plus enough extra if an overnight stay is unavoidable. For those of you rockhounds who stray farther afield, here are some ideas on how to make untreated water safer to drink. This is for those who cannot properly boil, chemically treat or filter the water available - for true emergency situations.

The first step is to select the cleanest looking, clearest water available. Remember, fast moving water is not a sign that it is safe to drink. For the best results, collect water from below the surface, but not off the bottom. When using murky water allow it to settle, then filter the top (clearest) portion through your T-shirt or other piece of cloth. Better still, carry with you a few paper coffee filters to strain your water. Coffee filters will help remove suspended particles but will not remove the harmful microorganisms.

Water, to be completely safe to drink, must be disinfected. This means the removal or destruction of harmful microorganisms. To do this it must be (1) boiled, (2) treated with chemicals (iodine or chlorine), or (3) filtered. Inorganic and organic materials such as clay, silt, plankton, plant debris, and other suspended particles reduce the effectiveness of using either chemicals or filtration devices. Chemicals will clump to any particles in the water which reduce their ability to disinfect. Suspended particles will quickly clog any filter. To be continued ...

AND THE WORD IS...? What is ORPIMENT? This month, the mineral is an iron titanium oxide named from a locality in the mountains of Russia. It is the principal ore of titanium.

GREATNESS: The greatest discovery man can make is how to escape envy and hate.

LINCOLN GEM & MINERAL CLUB'S 33RD ANNUAL ROCK SWAP

JANUARY 28, 2012 1:00^{PM} - 5:00^{PM}



BETHANY PARK SHELTER
64TH & VINE STREET LINCOLN, NEBRASKA

FREE ADMISSION
BUY - SELL - TRADE - ROCKS - MINERALS -
FOSSILS - JEWELRY - EQUIPMENT

CASH SALES MUST BE COMPLETED USING SWAPPER DOLLARS. SWAPPER DOLLARS ARE AVAILABLE FROM THE CLUB TREASURER AT A 10% SURCHARGE, PAYABLE BY THE BUYER.

LINCOLN GEM & MINERAL CLUB BOX 5342 LINCOLN NE 68505-0342
CONTACT RICHARD PETERSON (402) 489-2996

SUNDAY WITH A SCIENTIST (COMMUNITY ACTIVITY)

by Charles Wooldridge

On Sunday, December 18th, the Lincoln Gem and Mineral Club participated in the SUNDAY WITH A SCIENTIST series presented by the University of Nebraska State Museum. Ten members set up in the Museum's Elephant Hall. Folks arrived early for the 1:30 to 4:30 affair. We had five club members demonstrating cabochon cutting, one tumbler, one wire wrapper, one display of various gems and minerals, and one display of utility uses of rocks and minerals. Several scientists from the University provided rock and mineral identification and geological presentations. The club provided free tumbled stones, wire wrapping, and lots of information about the hobby. I was informed the total attendance was 164 people, which is considered a good turnout for such an event.

EDITOR'S NOTE: A great big THANK YOU to the attending club members: Mark Awakuni-Swetland; Brian, Jayne, and Corey Beer; Rowdy and Judy Cropp; Ed Dvorak; Ed Ridge; Al Stewart; and Charles Wooldridge.



Rowdy & Judy
Cropp
demonstrate
cabochon cutting

(Photos courtesy of Jayne Beer)

Ed Ridge
shows off his
gems and
minerals to
interested
visitors



The following are two thank you letters sent by the Museum:

Dear Sunday with a Scientist Presenters,

Thank you so much for presenting at the museum on Sunday. There was a total of 164 visitors: Adults 80, Children 70, UNL Students 2, Friends 12. This was a good number, especially since it was a 50 degree day outside and the Sunday BEFORE CHRISTMAS!

I have attached the summary of visitor comments from the exit surveys. They were all so positive. Visitors enjoyed the opportunity for one-on-one conversations and questions with the scientists. The lapidary demonstrations were also very well received. Together there was something for everyone.

Thank you for sharing your science with so many. There was also a first – there were 3 “Eds” presenting for Sunday with a Scientist!

We hope to see all of you back in Morrill Hall when the Mineral Exhibits opens at the end of February. Wishing you a happy holiday!

Kathy French

Dear Kathy and SWS Minerals presenters,

Thanks to all of you for the hard work and effort you put in to make SWS Minerals such a success. It was non-stop from 1:15 to finish, and the visitors I spoke with really had a wonderful time and obviously found it all a very valuable experience.

Hopefully we stimulated a lot of interest in rocks and minerals in the youngsters who attended - they certainly loved the rock and mineral trading cards and begged to have more than one each!

I know it takes a lot of effort to carry in the equipment, set up and then run the event, and I am deeply appreciative of all the dedicated volunteers that we had from the Lincoln Gem and Mineral Club -- I hope that you will convey my sincere thanks to all of them. The kids loved watching lapidary, and getting their souvenirs!

Best wishes to all for the holiday season, and hope to see you in the Museum's new Minerals gallery in February.

Priscilla Grew

(Continued on page 10)

SUNDAY WITH A SCIENTIST - CONTINUED



Mark Awakuni-Swetland shares his knowledge



Al Stewart watches Corey Beer work a cabochon



Corey catches the attention of some young visitors and shows them what he can do with a plain old rock!

(Photos courtesy of Jayne Beer)



(LEFT)
Charles Wooldridge demonstrates how to tumble stones and hands out free samples

and



Ed Dvorak wire wraps the tumbled stones for the visitors

DECEMBER ROCK PARTY - CONTINUED

(Continued from page 5)

Thanks to Brian, Jayne, & Corey Beer; Ed and Pat Dvorak; Susy McMahan; Ed Ridge, Andrew Tiedje, and Wooly for sharing their evening with us. Let's do it again sometime!

J J & L Rocks & Minerals

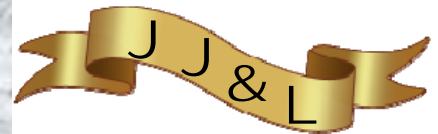
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Proudly serving
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36 years

STANDING COMMITTEES CHAIRMEN

Audit	John Harrison James Marburger Ed Dvorak
Christmas Party	Edward Ridge
Education / Librarian	Charles Wooldridge Judy Cropp
Facebook	Andrew Tiedje
Field Trips	James Marburger
Geology Day Coordinator	Aulden Stewart
Grinding Party	Aulden Stewart
Historian	Sharon Marburger
Legislative Liaison	Robert Cropp
Membership Record	Edward Ridge
MWF Liaison	Vera Lyman
Programs	Jayne Beer/Judy Cropp
Property	James Marburger
Refreshments / Door Prizes	Mary Pittard
Scholarship	Vera Lyman
Show—2012	Ed Dvorak
Swap—2012	Richard Peterson
Website	Jim Atkins
Youth Activities	Stella Thiessen Andrew Tiedje Kay Jurgens

**ADVERTISING, SUBSCRIPTION,
AND MEMBERSHIP INFORMATION**

Advertising by rock / hobby business or interest is permitted with the approval of the Board of Directors. Contact the Editor with your proposed ad. The rate is set at \$20.00 per full page; \$10.00 per 1/2 page; \$5.00 per 1/4 page (minimum) per issue, paid in advance to the Club treasurer. Ads will be placed throughout the newsletter as space permits.

Subscription to the Pick & Shovel is \$15.00 per year for mailed copy.

Membership dues for the Lincoln Gem & Mineral Club are as follows:

Adults (age 16 and over) - \$15 per year or \$25 per couple (within the same household)

Juniors - \$2 per year (with a responsible adult)

All new memberships must be accompanied by a written application. Prospective members must gain Board approval and attend one regular meeting before being approved for membership.

**LONG RANGE PLANNING &
BY-LAWS COMMITTEE**

1 year	Edward Ridge Robert Cropp
2 years	Charles Wooldridge Sharon Marburger
3 years	Vera Lyman John Harrison

HOBBY FUN

Would you like to have some hobby fun? Consider hosting a monthly Rock Party. It doesn't matter where you hold it. All you have to do is set the date and time, provide place settings for the potluck, and have areas to work in and chairs or floor to sit on. February through December are still available. Let a Board Member know if you are interested in hosting.



NOMINATING COMMITTEE

3 years	Brad Nielsen Roger Pittard
2 years	Robert Cropp Judy Cropp
1 year	Vera Lyman Edward Ridge

Mail Exchange Newsletters to:
Lincoln Gem & Mineral Club, Inc.
P.O. Box 5342
Lincoln, NE 68505-0342
Or e-mail newsletters to:
lgmsecretary@yahoo.com

PICK & SHOVEL

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SUBMIT ARTICLES, POETRY, OR DRAWINGS.

A SPECIAL THANKS TO THIS MONTH'S CONTRIBUTORS:
JAYNE BEER, RICHARD PETERSON, BRAD SMITH, AND
CHARLES WOOLDRIDGE

