



PICK & SHOVEL

Lincoln Gem & Mineral Club, Inc.

Lincoln, Nebraska

www.lincolngemmineralclub.org

BOARD OF DIRECTORS

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mmstewart@inebraska.com

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Board Member

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Board Member

Charles Wooldridge, 402-416-3233
charles.wooldridge@nebraska.gov



Volume 54, Issue 3
November 2011

GENERAL MEETINGS / ACTIVITIES

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 second 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

2011 Meeting Dates

<u>Board</u>	<u>General</u>
Nov 30 (Dec)	Nov 17
	Dec 4

Monthly Rock Party

November 13, 2011
5:00 p.m.
Details on page 8

November General Meeting

November 17, 2011
7:00 p.m.

Program: No program planned due to special youth event and elections.

Mineral Monkeys

November 17, 2011
6:00 p.m.

Activity: Basic lesson in rocks and minerals (for scouts to earn Geology badge and Monkeys to earn FRA badge).

Field Trip to Barnes, KS November 12, 2011 Details on page 2.

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.

PRESIDENT'S MESSAGE

by Richard Peterson

Hoping to see you at our November field trip. Jim Marburger has arranged a great day trip to collect at a gravel pit operation. Many gravel pits, as you know, have been notoriously off limits to collectors for a number of years. Don't pass up this opportunity.



Elections are just around the corner. During our general meeting on November 17 you will be able to elect those members who you believe will best represent our club for the next year. Let's have a big turn out.

SCIENTIST SUNDAYS

Sunday with a Scientist UNL: Morrill Hall Program Schedule

- November 20: Viruses
- December 18: Minerals & Gemstones

LGMC has been asked to provide lapidary demonstrations at the Minerals & Gemstones program on Dec. 18, 1:30 - 4:30. This will be similar to the July Grinding Party. Let's have a great turnout to this event!

NOVEMBER 12 FIELD TRIP

The field trip to Barnes, Kansas and Martin Weber's gravel pit is set for 10:00 a.m., November 12, 2011.

Barnes, Kansas is approximately 86 miles southwest of Lincoln. Probably the simplest way to get there is to head toward Odell, Nebraska. Approximately 3 miles west of Odell, turn south on Nebraska-112 South (West 103 Road). At the state line, the road turns into Kansas-148; after you cross the state line, go south to the Pony Express truck stop (or U.S. 36 highway) and turn right (west). Go 2 miles, then turn left (south) for 2½ miles. We will meet at the Pony Express truck stop, then head to the gravel pit at 9:45 a.m.

Material to be found include sandstone, opaline sandstone, limestone, shale, granite, unakite, feldspar, hematite, limonite, quartz in jasper and chalcedony, mica, calcite, fossilized wood, and fulgurite.

Release of liability forms will be available at the gravel pit. Remember to bring your typical safety equipment: gloves, hat or hard hat, safety glasses, closed toed or steel toed shoes, bug spray, sunblock, drinking water, first aid kit, and weather-appropriate clothing. Mr. Weber stated he requires no specific safety items, but LGMC requests you be smart. You are responsible for your own safety.

REFRESHMENTS SCHEDULE

- Nov 17: Cookies Stella Thiessen
Andrew Tiedje

ELECTIONS ARE HERE!!

The Nominating Committee, headed by Past-President Charles Wooldridge, has offered a slate of nominees for this month's elections. Nominations will be accepted from the floor immediately prior to voting. This will be the final opportunity to add names to the ballot, so if you or someone you know has the desire to help in guiding the direction of our club, please let it be known!

- President: Richard Peterson
- First-Vice: Ed Dvorak
- Second-Vice: Aulden Stewart
- Treasurer: Vera Lyman
- Secretary: Sharon Marburger
- Board Members: Robert Cropp
Jim Marburger
Ed Ridge
Charles Wooldridge

BENCH TIPS BY BRAD SMITH

HOMEMADE WAX TOOLS

Save your used X-Acto or scalpel blades for utility work on the bench. They're wonderful for delicate wax work. Use a cutoff blade or a grinding wheel to shape the blades to what you need. For instance, you can carve away excess metal on the spine to make yourself some narrow carving knives that do a great job of detailing small areas of your waxes.



For you jewelry makers, Brad ran across a video tutorial on how to make a tube setting. It can be found at: <http://design.kcjewelbox.com/2011/10/12/tool-time-tuesday--tube-setting-tutorial.aspx>

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

RING SIZE VARIATIONS

The numerical sizes marked on ring gauges and ring mandrels are often not the same across different manufacturers. If you are using a ring gauge to measure a customer, be sure to compare the markings on the gauge with the markings on the mandrel you use to make the ring. They may not be the same.

Also, you may have to adjust a little for the width of the ring shank. If you're making a wide shank ring, the ring generally has to be a little bit larger in diameter than the ring gauge size in order to get a comfortable fit.

MODIFY TOOLS FOR PRONG SETTING

When setting stones in a prong mount, avoid slipping by grinding a groove in the face of your prong pusher or one jaw of your flat-nose pliers. The easiest way to cut the slot on the pusher is with a file., and the easiest way to cut the slot on your pliers is with a cutoff wheel in the Foredom.

SUNSHINE CORNER

Jackie Barnhardt is doing well following surgery. See Wooly for details.

Judy Cropp attended the October Rock Party following her surgery. She appeared to be doing very well.

J J & L Rocks & Minerals

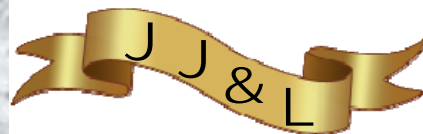
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 jjlrocksmin - Ebay Username



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 35 years

GENERAL MEETING MINUTES

LGMC General Meeting: Bethany Park Shelter House, October 20, 2011

The meeting was called to order at 7:01 p.m. by President Richard Peterson. Twenty-seven adults and 3 Mineral Monkeys were present. Howell Pabian and Ann Marie Frerichs visited. Each visitor submitted a membership application and dues, pending Board approval.

The minutes of the September meeting were published in the Pick & Shovel. Karen Messenger moved to accept the minutes as printed, second by Andrew Tiedje. Motion carried.

The Treasurer's report was read by Vera Lyman. Karen Messenger moved to accept the report as read, second by Ed Dvorak. Motion carried.

Members were asked to identify the Halloween costumes worn. Jim Marburger was "antimony" with his "Down with money" sign (anti-money). Sharon Marburger was dressed in a marshmallow covered kite (mallow-kite). No other costumes were worn.

The monthly Rock Party is to be held at Ford & Ford Auctioneers, hosted by Greg & Annette Ford, on October 21 at 5:30 p.m.

OLD BUSINESS.

The Louisville Webelos will attend the November meeting, in search of earning their geology badge. Jim Marburger has the lesson prepared and will accept any offers of help.

Members have been asked to participate in the University's Sunday with a Scientist program in December. It will basically mimic the July Grinding Party, having demonstrators and hobby information.

The field trip to a Barnes, Kansas gravel pit is set for November 12. Directions to the collecting area were given, and more specific directions will be e-mailed and printed in the Pick & Shovel.

NEW BUSINESS.

Andrew Tiedje requested to step down from Legislative Liaison chairman. President Pete appointed Rowdy Cropp to fill the position.

Jayne Beer volunteered to host the November Rock Party at The Jewelry Connection on November 20 at 5:00 p.m. The potluck will consist of soups and sides. (EDITOR'S NOTE: Please check the Pick & Shovel for current information. The date, time, and location have been changed.)

COMMITTEE REPORTS.

The Audit Committee has completed the audit of the financial books. The books look good, and a copy of the financial statement is available upon request.

A Show Committee meeting was held at Vera Lyman's residence on October 18. There was a lot of discussion and brainstorming. The 2012 show is coming together nicely.

The meeting adjourned at 7:24 p.m. to snacks and program on a motion by Jim Marburger, with second by Ed Dvorak. Motion carried.

The program was given by Andrew Tiedje, "Field Trip to Arkansas". Andrew prepared a slide show of the trip and talked about all the fun and excitement that was had by the attendees. This was Andrew's first attempt at giving a program and, with tidbits tossed in by other field trip participants, he provided an entertaining program.

Respectfully submitted,

Sharon Marburger

See page 8
for updated
Rock Party
information!

BOARD MEETING MINUTES

October 5, 2011, Gere Library

The meeting was called to order at 6:30 p.m. by President Richard Peterson (“Pete”). All Board members were present. Three guests – Pat Dvorak, Judy Cropp, and Andrew Tiedje – were also present.

The minutes of the September meeting were distributed. It was noted that the secretary had a typographical error in the 2012 Show name. Ed Dvorak moved to accept the minutes as corrected, second by Jim Marburger. Carried.

The Treasurer’s report was distributed. Jim Marburger moved to accept the report as printed, second by Ed Dvorak. Carried.

OLD BUSINESS: The President reminded the group about his goals for the club, noting public relations is the highest priority. Pete also shared a letter he wrote to the Secretary of State and the Department of Motor Vehicles, suggesting those agencies consider the next license plates display Nebraska’s State Rock and State Gemstone. Pete encouraged others to send letters to the agencies, urging the same.

Judy Cropp will take over the library inventory. Sharon Marburger is to e-mail the inventory spreadsheet to Judy.

Jim Marburger is to contact Martin Weber to finalize field trip plans.

The October Rock party will be hosted by Greg and Annette Ford on the 21st at 5:30.

Jim Marburger announced that the Louisville Webelos will be at our November meeting. Jim has most of the activities planned but asked if others could help with the actual event. Charles Wooldridge offered to cover how mountains are formed.

NEW BUSINESS: The club has been asked to participate in the December 18 Sunday With A Scientist program at UNL. Demonstrations of cabochon cutting, faceting, mineral displays and samples are a few activities to be covered. The idea is to make it similar to the July Grinding Party. Jim Marburger moved to present the proposal to the rank and file, second by Sharon Marburger. Carried.

Andrew Tiedje requested to step down as Chairman of the Legislative Liaison Committee. Pete accepted his resignation and immediately appointed Robert (“Rowdy”) Cropp as Chairman.

Treasurer Lyman announced the financial audit is completed. The Audit Committee approved the books.

A Show Committee meeting is scheduled for October 17, 6:30 p.m., at the home of Vera Lyman.

Sharon Marburger was requested to put together the 2012 Show flyer and e-mail to Ed Dvorak for approval. Once approved, the flyer is to be e-mailed to all club members on the mailing list.

The meeting was adjourned at 7:18 p.m. on a motion by Charles Wooldridge, second by Rowdy Cropp. Carried.

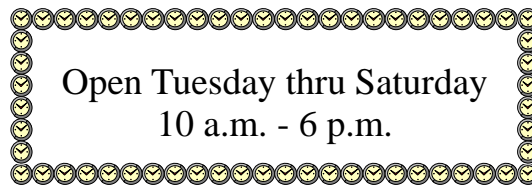
Respectfully submitted, Sharon Marburger

LINCOLN CURIOS ROCK SHOP

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MINERAL MONKEYS



MINERALS
IN OUR
DAILY LIVES

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ARAGONITE	ELECTRIC LIGHTS	SHAMPOO
BED	FELDSPAR	SHOWER
BOOTS	HAMMER	SKIS
CALCITE	IRON	SOAP
CHAIR	NEWSPAPER	TELEVISION
CHALCOPYRITE	NOTEBOOK	TIRES
CHALCOSINE	OLIVINE	TOOTHBRUSH
COFFEE POT	PEN	TOOTHPASTE
COMPUTER	PENCIL	TRUCK

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Puzzle manually created by Sharon Marburger.

SPECIAL SCOUT (WEBELOS) ACTIVITY

By Jim Marburger

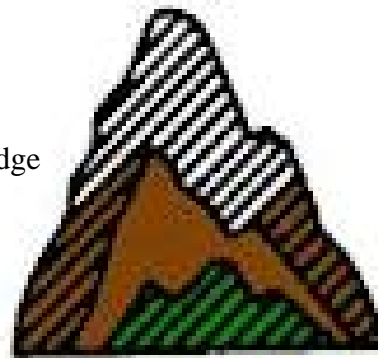
The Webelos Scout den from Louisville, Nebraska is planning to attend our November 17 meeting at 6 p.m. We will present activities and a program so they can fulfill the requirements to obtain their geology badge. This project might develop into one that we can use at the show for larger groups of scouts.

I will have most of the materials needed for this activity, but will need help presenting it. The presentation should take no longer than an hour. The following requirements are needed for the geology badge.

1. Collect five geologic specimens that have important uses.
2. Rocks and minerals are used in metals, glass, jewelry, road-building products, and fertilizer. Give examples of the minerals used in these products.
3. Make a scale of mineral hardness for objects found at home. Show how to use the scale by finding the relative hardness of three samples.
4. List some of the geologic materials used in building your home.
5. Make a drawing that shows the cause of a volcano, a geyser, or an earthquake.
6. Explain one way in which mountains are formed. (Wooly has volunteered to handle this.)
7. Describe what a fossil is. How is it used to tell how old a formation is? Find two examples of fossils in your area.
8. Take a field trip to a geological site, geological laboratory, or a rock show. Discuss what you learned at your next Webelos den meeting.

If you would like to help with the presentations or have any egg cartons to donate, please let me know, and plan to be at the Bethany Park Shelter House just prior to 6:00 p.m.

Geology Badge



As a reminder to the Mineral Monkeys, you may participate in this activity to earn some of your Future Rockhounds of America badges. The meeting starts a half hour earlier than usual. Be there at 6:00!!

Silversmithing classes

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

Tuesdays

October 11, 2011

thru

November 29, 2011

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

REGIONAL SHOWS

November 12-13: FREEPORT, IL. Northwest Illinois Rock Club's Annual Show; Highland Community College Student Center, 2998 W. Pearl City Rd.; Sat. 9-5, Sun. 10-4; CONTACT: Brian Green, P.O. Box 396, Warren, IL 61087, (815) 745-2228, bgreen57@hotmail.com.

November 18-20: ST. LOUIS, MO. St. Louis Mineral and Gem Society's Mineral, Fossil, and Gem Show; NEW VENUE! Affton Community Center, 9801 Mackenzie Road, St. Louis, MO 63123; Fri. 4-8, Sat. 10-7, Sun. 10-5; CONTACT: StLRockClub.com, or Melissa Perucca, PeruccaM@aol.com.

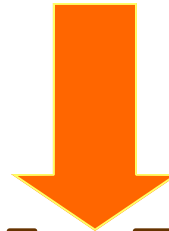
December 9-11: LONGMONT, CO. Flatiron Rock Club, Boulder County Fairgrounds, Hover & Nelson Roads.



NEW DATE!

NEW TIME!

NEW LOCATION!



November Rock Party

Hosted by Howell Pabian

Sunday, November 13, 2011

5:00 p.m.

Roger Pabian's House 5301 X Street, Lincoln

This month's potluck theme is "Soups and Sides".

A couple of different soups will be provided.

Note of Interest:

The November 2010 Rock Party was hosted by Roger Pabian. It was his final club event.

Bring your projects and equipment.



BlueRibbon Coalition Land Use Update



MICHIGAN - Forest Service Accepting Comments on Proposed Changes to Huron-Manistee Forest Plan Affecting Snowmobiling and Hunting.

The Huron-Manistee National Forest has released the Draft Supplemental Environmental Impact Statement ("DSEIS") regarding the revised Forest Plan for public review and comment.

Many of you will remember that this supplemental planning effort was mandated after a lawsuit was filed seeking to ban hunting and snowmobiling in certain areas of the forest.

As a result of a ruling by the United States Court of Appeals for the Sixth Circuit, the Forest Service has prepared the DSEIS to evaluate the impacts of a proposed ban on firearm hunting and snowmobile use, subject to existing rights, in Semiprimitive Non-motorized Management Areas and a ban on firearm hunting, subject to existing rights, in the Nordhouse Dunes Wilderness Area.

The release of the DSEIS begins a 90-day comment period. The DSEIS is available online at www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5330733.pdf. The DSEIS is also available in print or on CD by calling (231) 775-5023. Comments must be received by December 21, 2011.

Written comments may be submitted to the Forest Planner, Huron-Manistee National Forests, 1755 S. Mitchell Street, Cadillac, MI 49601 or faxed to (231) 775-5551. Comments may be submitted electronically to: comments-eastern-huron-manistee@fs.fed.us with the subject: "Forest Plan SEIS."

For more information, contact Kenneth Arbogast, Public Affairs Officer for the Huron-Manistee National Forests at (231) 775-5023, Ext. 8726 or visit the forest website at www.fs.usda.gov/hmnf.

Ric Foster
Public Lands Department Manager
BlueRibbon Coalition
208-237-1008 ext 107

PETE'S NOTES

by Richard Peterson

HEAT ADVISORY Part II. Heat is the number one weather-related killer in the U.S., more than floods, lightning, tornados and hurricanes combined. In 1995, there were more than 700 deaths in Chicago alone attributed to heat. North American summers are typically hot, and east of the Rockies the combination of heat and humidity ("hot and sticky") unite to amplify the danger. But, keep in mind that some of the worst heat waves, east or west, have occurred during exceptionally dry periods.

In this day of advisories (they seem to get issued for every imaginable possibility), I tend to get confused as to what each level of any threat really means. The meaning of a Snow Advisory, a Winter Storm Watch and others get blurred. The heat-related advisories issued by the National Weather Service that rockhounds should heed are the following:

EXCESSIVE HEAT OUTLOOK - This is commonly referred to as an OUTLOOK. This is when the potential exists for an excessive heat event in the next 3-7 days, lasting three days to a week. This provides lead time for public utilities, emergency management, and public health officials to prepare. A heads-up, if you will, for what might potentially occur. As a rockhound, nothing to get concerned about ... yet.

EXCESSIVE HEAT WATCH - Referred to as a WATCH, this is when conditions are favorable for an excessive heat event in the next 12-48 hours. The timing of this occurrence is again uncertain, but the time frame has narrowed. It could be sooner, or two days hence. If you are planning a trip, or already on an extended stay in the field during this period, be warned.

EXCESSIVE HEAT WARNING/ADVISORY - Referred to as an ADVISORY, this is when an excessive heat event is highly probable and expected to occur in the next 36 hours. This warning is issued when conditions exist that, unless precautions are taken, are a direct threat to human life. Taking extra water alone is not a cure-all for salvation. Limit your activities in the field, seek shade and conserve fluids. Be patient. If you haven't left home yet, stay there.

(Continued on page 10)

OCTOBER ROCK PARTY

by Sharon Marburger

The October Rock Party was hosted by Greg & Annette Ford and held at the offices of Ford & Ford Auctioneers on the 21st. It appeared that we were all on the same wavelength as there were five different kinds of chili, and an assortment of sides to go with them. As is usual at these events, no one went hungry!



The day had been clear and beautiful, with temps hovering around 70°. It was commented by several people that the day must have been on its best behavior because there was no wind, and the wind “always” blows at that location.

After eating, equipment was brought into the garages. A few of the menfolk gathered around Mark Awakuni-Swetland's equipment, poking and prodding at it (as men will do). However, having been a long day with most of us using our energy at our respective employers, we were all happy to just sit around and visit. Hobby techniques, field trips, and ways to improve our club experience were just a few of the topics discussed.



It was a very nice and relaxing evening. We thank the Fords for allowing us to spend it with them.



PETE'S NOTES - CONTINUED

(Continued from page 9)

The National Weather Service has created a table showing how temperature and relative humidity combine to create conditions far more dangerous than temperature and humidity alone. This is similar to the temperature/wind speed table used during winter that give us the Wind Chill factor.

For example, a summer temperature of 90°F. with 90% humidity produces a Heat Index of 122, a dangerous level that rockhounds should take seriously before venturing into the field. If the temperature increases two degrees to 92 with the same 90% humidity, the danger is extreme. Extreme is the highest danger level, and with prolonged exposure to the heat and humidity you will experience heat disorders. The worst heat disorder, of course, is death. To learn more about the Heat Index table and where you can print off your own copy, go online to <http://www.weather.gov/om/heat/index.shtml>.

So, how do we remember all this? Let's remember IOWA; we all know how hot and humid Iowa can be in the summer. **I** will take notice of an **O** (OUTLOOK), **W** (WARNING) and **A** (ADVISORY), in that order of severity. Do not try to second guess Mother Nature.

HELPFUL TIP: POISON SUMAC - Scientific name *Toxicodendron vernix*, this plant is in the family *Anacardiaceae*. The plant can grow up to the size of a 20 feet high tree. All parts of the plant contain the resin urushiol that causes skin irritation ... and mucous membrane irritation if the smoke is inhaled from a plant that has burned. The leaves are pinnate, meaning there are 7-13 small leaves (leaflets) per leaf stem. The plant grows exclusively on wet or flooded soils. The urushiol-induced dermatitis is far more potent than its close relatives poison ivy and poison oak. Remedies are the same as those for poison ivy and poison oak. Note: Some botanists consider poison sumac the most toxic plant in the United States.

AND THE WORD IS ...? What is ENARGITE. This month's mineral is an arsenic trisulfide and an ore of arsenic. The name is from the Latin “auripigmentum” in reference to the minerals vivid gold hue.

CHUCKLES - Some people do not seem to grasp why we are given two ears and only one tongue.

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	Richard Peterson
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

NOMINATING COMMITTEE

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

Answers to Mineral Monkeys' puzzle

L	W	C	H	A	L	C	O	S	I	N	E	T	I	C	J	M	R	T	D
M	L	O	M	M	P	N	A	E	Q	U	R	W	O	A	S	E	R	I	T
E	E	F	S	I	K	S	A	M	T	W	T	L	L	L	M	C	F	W	Y
U	T	F	O	D	E	C	L	I	R	D	P	R	V	C	E	O	E	P	R
W	I	E	L	M	U	R	A	O	U	M	C	X	W	I	T	D	L	R	N
D	N	E	L	E	C	T	R	I	C	L	I	G	H	T	S	D	D	R	O
I	O	P	A	E	Q	R	M	E	K	W	T	L	L	E	A	I	S	G	I
N	G	O	J	M	N	L	C	M	E	L	I	C	N	E	P	N	P	E	S
A	A	T	T	I	E	C	L	I	T	M	C	X	W	Y	H	M	A	J	I
R	R	E	T	U	P	M	O	C	N	D	Q	U	A	R	T	Z	R	T	V
O	A	T	O	L	M	C	C	W	A	E	L	J	M	N	O	C	T	I	E
O	D	P	O	V	L	O	K	O	O	B	E	T	O	N	O	B	R	R	L
L	M	C	T	W	Y	O	D	P	R	O	C	X	S	Y	T	A	P	E	E
A	H	S	H	O	W	E	R	O	W	O	O	D	O	R	T	L	L	N	T
R	M	L	B	M	N	G	S	O	D	T	L	J	A	N	P	R	V	I	I
E	N	O	R	I	Y	O	N	E	W	S	P	A	P	E	R	P	C	V	F
P	H	O	U	P	R	V	R	A	R	H	O	D	P	R	I	A	R	I	C
P	O	D	S	R	V	R	V	M	C	O	R	E	M	M	A	H	Y	L	D
O	O	S	H	A	M	P	O	O	O	D	P	R	V	H	P	R	O	R	
C	J	G	T	P	O	D	P	E	T	I	R	Y	P	O	C	L	A	H	C

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