

PICK & SHOVEL



Lincoln Gem & Mineral Club Lincoln, Nebraska
www.lincolngemmineralclub.org

BOARD MEETINGS

All Board meetings are held at 6:30 p.m. at Gere Library, meeting room 1, unless otherwise noted.

November 4, 2009

December 2, 2009

GENERAL MEETINGS / ACTIVITIES

All general meetings are held at 7:00 p.m. at the Bethany Park Shelter, unless otherwise noted.

October 15, 2009

November 19, 2009

(Annual Business Meeting - ELECTIONS)

December 13, 2009

Annual Christmas Party

(See announcement/details to come later)

WANTED

Articles, pictures, correspondence to your political representatives regarding land management, short stories of club outings, public activities, etc., for the 2009 All American Club Award Application. Please give your submissions to Sharon Marburger.



PRESIDENT'S MESSAGE

Hello members.

On October 12, LGMC will be participating in a Girl Scout event. We have been asked to provide cutting and polishing demonstrations, to assist with rock and mineral identification, and to help the girls start their own collections. I ask that everyone who can make the event, please be there. It will be from 8 a.m. to 5 p.m. at the Eastridge Presbyterian Church on 56th Street in Lincoln. It sounds like they have a fun-filled day planned. Don't miss out on this opportunity to get our youth interested and involved in the hobby.



The slate of nominees for the November elections is published in this issue. If you have suggestions for improving our Board of Directors, be sure to come to the November meeting to make those nominations prior to voting.

As was mentioned at the September meeting, Roger Pabian would like to have the Club's library removed from his residence. Please let your Board know if you would like to take on this responsibility.

We have extended an invitation to the Girl Scouts to join us at our October meeting. Wear your hobby related costume for the contest, and bring lots of snacks! I'll be hungry!

Terry

Please bring Halloween snacks.

GENERAL MEETING MINUTES

September 17, 2009, Bethany Park Shelter

The meeting was called to Order at 7:05 p.m. by 1st Vice-President Charles Wooldridge. The number of members present was not documented. One visitor, Tracy Stewart of the Girl Scouts, was present for a portion of the meeting.

SPECIAL ANNOUNCEMENTS:

Roger Pabian has requested the club library be moved from his home. Anyone interested in housing the library should contact a member of the Board of Directors.

The All American Award submission for 2008 received two silver medals, one at the Midwest Federation level, and one at the American Federation level. Let's try for a gold in 2009!

OLD BUSINESS:

The minutes of the May meeting were published in the Pick & Shovel. Jim Atkins moved to accept the minutes as published, second by Mary Pittard. Motion carried. The Treasurer's report for May was read by Treasurer Lyman. Roger Pittard moved to accept the report as read, second by Jim Atkins. Motion carried.

After touring the Lancaster Event Center, the Board made the unanimous decision to move the show. The Event Center has better facilities than Pershing, with over 4,300 free parking spaces. The show will now be held the first weekend in April, instead of the last weekend in March. Extra advertising will be necessary the first year.

NEW BUSINESS:

The January 2010 Swap needed a chairman. A call for a volunteer netted Richard Peterson, who chaired the 2009 Swap. Roger Pabian and Karen Messenger said they would assist Pete with the Swap. Special thanks to our volunteers.

Tracy Stewart, event coordinator for the Girl Scouts, requested the club participate in an all-day event at Eastridge Presbyterian Church on October 12. The event will include demonstrations, hands-on crafts, gem and mineral identification, and lots of fun. Anyone interested in participating, even if only for a portion of the day, should contact Tracy at 476-7539 x114.

The Nominating Committee offered the following slate of nominees:

President	Charles Wooldridge
1 st Vice President	Roger Pittard
2 nd Vice President	Jim Marburger (withdrawn)
	Al Stewart
Treasurer	Vera Lyman
Secretary	Sharon Marburger
Board Members	Ed Ridge
	Jim Atkins
	Jim Marburger
	Richard Peterson
	Ed Dvorak
	Robert Cropp
	Judy Cropp

Sharon Marburger sent off to the American Federation for information regarding the Future Rockhounds of America program. All juniors who are signed up will receive a FRA patch. The program has a quite intensive merit badge program. It looks like it can be lots of fun for juniors and adult helpers alike. More information will be available later.

The October meeting will be the Halloween Party. Everyone is asked to come dressed as their favorite rock or mineral. We are extending an invitation to the Girl Scouts to join us.

Roger Pabian will present a demonstration of rock drilling for the November meeting program.

The meeting was adjourned to refreshments at 7:44 p.m. on a motion by Karen Messenger; second by Charles Messenger. Motion carried. In lieu of a program, summer finds were shared.

Respectfully submitted,
Sharon Marburger

WANTED

Looking for good home. I am quiet, I don't eat anything, and I can keep you entertained for hours. I'd love to live with you.

Library

BOARD MEETING MINUTES

September 2, 2009, Gere Library

The meeting was called to order at 6:30 p.m. by 1st Vice-President Charles Wooldridge. Board members present were Charles Wooldridge, Roger Pittard, Vera Lyman, Sharon Marburger, Jim Atkins, Jim Marburger, Al Stewart, and Ed Ridge.

Before business was conducted, the floor was relinquished to Tracy Stewart, Events Coordinator with the Lincoln Chapter of the Girl Scouts of America. Tracy handles the programs for girls kindergarten through grade 12. Her focus for this proposed project is for Daisies and Brownies, kindergarten through 3rd grade. Tracy asked the Board if the club would be willing to participate in a hands-on event to be held October 12 from 8:00 a.m. to 5 p.m. The location has not yet been finalized, but possibly would be held at Eastridge Presbyterian Church. There would need to be lots of activities to keep the girls busy. After some discussion, it was determined we would need to provide what constitutes our juniors booth. Wooly suggested to Tracy that the girls and anyone else should start collecting the clear egg cartons available at Hy-Vee. Vera Lyman volunteered to be chairman of the event committee; Sharon Marburger would assist with preparations. Ms. Stewart agreed to attend the September General Meeting to provide updated information to the rank and file.

OLD BUSINESS:

Minutes of the May meeting were distributed. Roger Pittard moved to accept the minutes as printed, second by Jim Atkins. Motion carried. The Treasurer's report for May was distributed. Jim Atkins moved to approve the report, second by Al Stewart. Motion carried.

A Chairman is still needed for the January Swap. Wooly suggested we ask for a volunteer at the General meeting. It was offered that perhaps Richard Peterson could be persuaded to take on the job again, as he did a wonderful job in 2009.

It's DUES time again. Get them in early. To avoid paying a reinstatement fee, renew your membership prior to January 31, 2010. See Vera Lyman for more information.

NEW BUSINESS:

Roger Pabian has requested to resign as club librarian. A volunteer to take over and house the library will be requested from the general membership.

Jim Marburger said he is preparing the slate of the executive board members for the November elections. The initial slate will be presented at the September 17 meeting.

The subject of formalizing the format of the dealer and demonstrator show contracts was put before the Board. Sample contracts were presented and reviewed. After significant discussion, Vera Lyman moved to adopt the form format of the three contracts for the annual show, to be modified as necessary as determined by the show committee, and to be maintained by the club secretary. Jim Marburger seconded the motion. Motion carried.

Rather than a program for the October meeting, the Board thought that a Halloween party would be fun. To reinforce the October 12 activity with the Girl Scouts, the Board will offer an invitation to all ages of Girl Scouts to attend the meeting. Special activities will be planned. Sharon Marburger offered to contact Judy Reilly to see if she still has her Geology Ball, and if she would be willing to loan it to the club.

The program for the November meeting will be a presentation done by Roger Pabian. Specifics to come later.

The meeting was adjourned at 7:48 p.m. on a motion by Jim Atkins, second by Jim Marburger. Motion carried.

Respectfully submitted,

Sharon Marburger

SPECIAL ANNOUNCEMENTS

Halloween Party

Dress as your favorite hobby-related item. Prizes will be given. Rock Bingo! Have some items to donate for prizes? Bring them. The Girl Scouts have been invited to join us, so let's have lots of prize selection.

CATLINITE

by Richard "Pete" Peterson

INTRODUCTION: Catlinite is a rock that was a favorite material of Native Americans for making pipe bowls, especially those tribes who lived on the Plains. Other decorated items for ceremonial and religious purposes, and articles for personal adornment, were also made from the stone. By ca 1700, the Dakota Sioux controlled the Minnesota pipestone and distributed the stone only through trade; it found its way as far east as Georgia and west to the Pacific coast. Catlinite from the Minnesota quarries is sometimes referred to as sacred pipestone.

HISTORICAL BACKGROUND: The name Catlinite was derived from the artist George Catlin (b 1796 - d 1872). Catlin traveled and painted extensively in the American West and visited the Minnesota quarries in 1835. Catlin is generally credited with first bringing the stone to the attention of mineralogists ca 1839.

THE ROCK: Catlinite is a metamorphic claystone, a type of argillite. It is a fine-grained rock, commonly colored by hematite. The often mottled or speckled stone is grayish to brownish-red to dark red in color. It occurs embedded as a 12 - 18 inch layer in a hard matrix of Sioux quartzite. The quartzite was formed by the metamorphism of sandstone. In some areas, 12 feet of quartzite must be removed to reach the layer of Catlinite.

The quarries are located in southwestern Minnesota in Pipestone County, near the city of Pipestone. The location was reported as early as 1702. The rock is also found in Minnehaha County, South Dakota (southwest of Pipestone). The South Dakota stone is cut from the same geologic strata as that quarried at Pipestone, Minnesota. The word pipestone is frequently misused to describe a wide range of materials used in crafting pipes. True Catlinite can be distinguished from other pipe-making materials by using a streak plate (a small tile of unglazed porcelain) and the Munsell Soil Color Chart. Catlinite has a streak which falls only within hue 5R on the color chart.

THE PIPE IN ITS SPIRITUAL CONTEXT: Ceremonial smoking marked important activities of the Plains people; rallying forces for warfare against rival groups, prior to the trading of goods and hostages, ritual dancing, and in medicine ceremonies. The pipe bowl, stem and tobacco were stored in animal skin pouches or in wrapped bundles along with other sacred paraphernalia. After smoking the tobacco ashes were disposed of in special places. Pipes had an identity, were a valued possession, and were frequently buried with their owner.

Pipe designs varied over time and by the time of Catlin's visit in 1835, the simple tube of earlier times had developed into elbow and disk forms, as well as elaborate animal and human effigies. In the 19th century, the pipes found their way through trade into white society. Bowls were sometimes carved effigies honoring white politicians and explorers; sometimes the images were far from flattering. The Pawnee and Sioux were master effigy carvers. The T-shaped bowl we recognize today became widely associated with peace pipes because the white negotiators usually encountered them at treat ceremonies.

Ceremonial pipes were used by the Lakota Sioux as a means of conveying prayers or wishes to the creation forces or beings. The tobacco mixture that was burned in a pipe and the resultant smoke was thought to carry those prayers. The pipe was smoked in personal prayer, as well as at collective rituals. It served as a means of conveying the thoughts of the smoker. Assembling the pipe (i.e. connecting the bowl with the stem) and the smoking mixture symbolically formed a bridge believed necessary for successful communication with non-humans that influenced fates and outcomes.

CRAFTING AND SHAPING: Catlinite is soft enough to be carved with stone or metal knives and drills. Native Americans traditionally used bow drills; the tip of the drill was fashioned with a quartz point which (when combined with water) could bore out even the hardest pipestone. They then employed moistened, thin rawhide strips rolled in pulverized quartz, that were stretched with a bow handle. The bow saw was used to rough-shape the blanks for the pipe bowl. Bowls could then be shaped with gradations of sandstone. After shaping, the bowls were polished using water and progressively finer abrasive grits, then worked with animal hide, and finally hand rubbed with buffalo tallow or facial oils to complete the polishing.

Today, the rough rock can be cut and shaped using common, carpenter hand tools. A regular hacksaw blade can rough-shape the blank. The blank can then be scraped with a file, rasp, or knife blade, then smoothed with various gradations of sandpaper. If desired, the piece can be incised using any thin, sharpened tool. The piece can then be gently heated and rubbed with beeswax (fat and facial oils still work). The item can then be immersed in cold water to harden the wax that was worked into pores of the rock. Finally, the item can be polished with a soft cotton cloth.

REFERENCES

- DeMallie, Raymond J.(ed.) 2001. Handbook of North American Indians. Plains, Vol. 13 Parts 1 & 2. Smithsonian Institution: Washington, DC.
- Holmes, William H. 1907. Catlinite. Handbook of American Indians North of Mexico. Bureau of American Ethnology Bulletin 30. p. 217- 219 in Pt./vol. 1. Smithsonian Institution, U.S. Government Printing Office: Washington, DC.
- King, J. C. H. 1977. Smoking Pipes of the North American Indian. British Museum: London, England. 63p.
- Sigstad, John S. 1970. A Field Test for Catlinite. American Antiquity 35:3, 377-382.
- Wikipedia. <http://en.wikipedia.org/wiki/Catlinite>, Also see nicotiana, peace pipe, various others.
- Woolworth, Alan R.(ed.) 1983. The Red Pipestone Quarry of Minnesota: Archaeological and Historical Reports. Minnesota Archaeologist 42(1-2). Minneapolis, MN.

PEBBLE PUPS



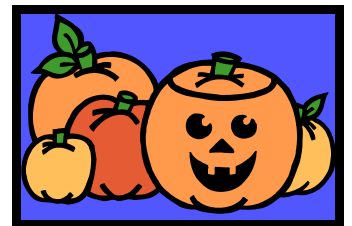
Happy Halloween, Pups. This month, let's explore a cave and see what we can find. As always, bring your puzzle to the meeting and get a cool prize! Remember, safety first, then happy hunting.

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

AZURITE	GYPSUM	MANGANESE
BARITE	IRON	SODIUM
BAT	LIMESTONE	STALACTITE
CALCITE	LIMONITE	STALAGMITE
CELENITE	MAGNESIUM	WATER
ENDELLITE	MALACHITE	

Information taken from <http://geomaps.wr.usgs.gov/parks/cave/>.

Trick or Treat!



2009 BOARD OF DIRECTORS

President

Terry Anderson, 402-826-0480,
cajunbrat@neb.rr.com

1st Vice-President

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

2nd Vice-President

Roger Pittard, 402-759-4623,
rogerp@dnsped.net

Treasurer

Vera Lyman, 402-464-6089

Secretary

Sharon Marburger, 402-792-2348,
lmcsecretary@yahoo.com

Board Member

James Atkins, 402-483-1610,
jna@inetnebr.com

Board Member

James Marburger, 402-792-2348,
jm24122@windstream.net

Board Member

Edward Ridge, 402-477-8469

Board Member

Aulden Stewart, 402-483-1044
mmstewart@inebraska.com

LONG RANGE PLANNING & BY-LAWS COMMITTEE

3 years Charles Wooldridge
Phyllis Parks

2 years Edward Ridge
Susan Taylor

1 year Vera Lyman
Roger Pabian

STANDING COMMITTEES

Audit
Christmas Party
Education / Librarian
Field Trips
Geology Day Coordinator
Historian
Membership Record
MWF Liaison
Programs
Property
Refreshments / Door Prizes
Scholarship
Show—2010
Swap—2010
Youth Activities

John Harrison, James Marburger, Roger Pabian
Edward Ridge
Roger Pabian
James Marburger
Roger Pittard
Sharon Marburger
Edward Ridge
Vera Lyman
Charles Wooldridge
James Marburger
Andrea Anderson
Vera Lyman
Charles Wooldridge
Richard Peterson
Dan Cromer, Kay Jurgens, Vera Lyman

NOMINATING COMMITTEE

3 years Robert Cropp
Judy Cropp

2 years Vera Lyman
Edward Ridge

1 year John Harrison
Aulden Stewart

SLATE OF NOMINEES

President Charles Wooldridge
1st Vice President Roger Pittard
2nd Vice President Jim Marburger
(withdrawn)
Treasurer Al Stewart
Secretary Vera Lyman
Board Members Sharon Marburger
Ed Ridge
Jim Atkins
Jim Marburger
Richard Peterson
Ed Dvorak
Robert Cropp
Judy Cropp

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

THE ROCK TUMBLER

A DIVISION OF WOLF ENTERPRISES

Your Factory Authorized Full Line Lortone Dealer

Savings - Service - Selection



www.therocktumbler.com

Roger Wolf, Owner

1011 N. 79th Street, Lincoln, NE 68505, (402) 489-1105

roger@therocktumbler.com

Advertising by rock / hobby business or interest is permitted with the approval of the Board of Directors. The rate is set at \$15.00 per full page; \$7.50 per 1/2 page; \$5.00 per 1/3 page; and \$3.75 per 1/4 page (minimum) per issue, paid in advance. Ads will be placed throughout the newsletter as space permits.

Subscription to the Pick & Shovel is \$10.00 per year for mailed copy.

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

Adults (age 16 and over) - \$10 per year

Juniors (age 12-16) - \$2 per year (with a responsible adult)

Couples - \$20

Family membership (with children under age 12 years) - \$22 per year

Applications for new membership must be approved by the Board of Directors after applicant attends at least one meeting of the Club. Dues will be payable to the Treasurer following Board approval, with an additional, one-time \$5 registration fee.

J.J. & L. Rocks and Minerals

COME SEE US FOR YOUR ROUGH NEEDS

GEMS - CABS - SLABS - MOUNTINGS

STERLING SILVER - GOLD FILLED - 14k GOLD

SILVER SUPPLIES - TOOLS - MACHINERY - NEW AND USED

CUSTOM SERVICES FOR SLABS, FLAT LAPPING, AND CABOCHONS

STARTING OUR 33RD YEAR

330 LOCUST

HICKMAN, NE 68372-0068

PHONE 402-792-2337

"PROVIDING SUPPLIES FOR THE NOVICE TO THE DISCRIMINATING ROCKHOUND"

PLEASE CALL FOR APPOINTMENT

jimandjohn@jjlrocksandminerals.com

www.jjlrocksandminerals.com

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

PICK & SHOVEL

LGMC web address courtesy of James Atkins.
<http://www.lincolngemmineralclub.org>

Your PICK & SHOVEL staff:

Publisher: Lincoln Gem & Mineral Club, Inc., P.O. Box 5342,
Lincoln, Nebraska 68505-0342

Editor: Sharon Marburger, P.O. Box 64, Hickman, Nebraska
68372, E-mail: lgmcsecretary@yahoo.com

Circulation: Vera Lyman, 402-464-6089

News Reporters: All Members

The *PICK & SHOVEL* is the official publication of the Lincoln Gem & Mineral Club, Inc., Lincoln, Nebraska. Articles and items appearing within may be reproduced in other club bulletins, provided proper credit is given to the *PICK & SHOVEL* and the author, and that a reprint of the bulletin is sent to the editor of the *PICK & SHOVEL*.



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.