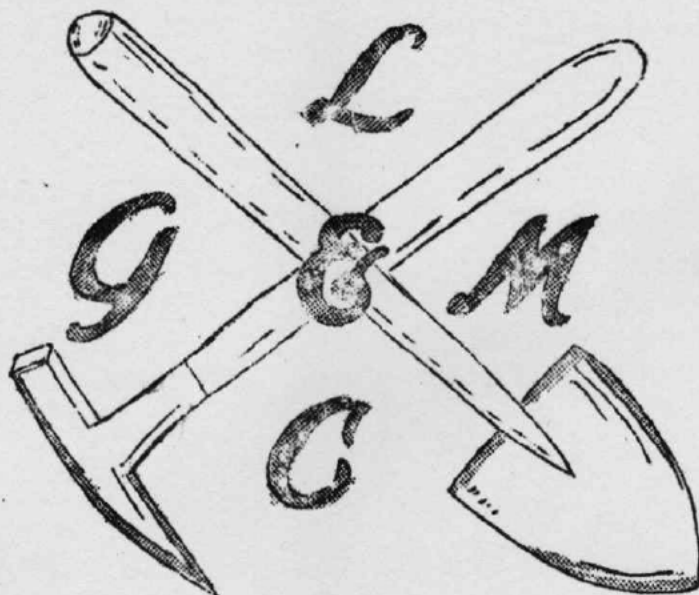


THE PICK & SHOVEL



MONTHLY BULLETIN OF THE
LINCOLN GEM AND MINERAL CLUB, INC.
LINCOLN, NEBRASKA

LINCOLN GEM AND MINERAL CLUB, INC.

President Mrs. V. A. Carveth
 2526 South 11th St.

First Vice-President Thomas Simmons
 2970 South St.

Second Vice-President Everett Weber
 5310 Colby St.

Recording Secretary Mrs. Phyllis Parks
 3510 Everett St.

Treasurer James Parks
 3510 Everett St.

* * *

BOARD OF DIRECTORS

John A. Lewis, Past President; Mrs. Dorothy Engelhart, Corresponding Secretary; Mrs. Velma Bloyd, Editor.

* * *

SHOW CHAIRMAN

Virgil Carveth

* * *

The Lincoln Gem and Mineral Club, Inc. meets the Fourth Saturday of each month September through May at Roberts Dairy Party Room, 211 South 20th St. at 7:30 P. M.

* * *

Affiliated with:

Midwest Federation of Mineralogical and Geological Societies

American Federation of Mineralogical Societies

* * *

VISITORS WELCOME

A WORD FROM OUR PRESIDENT:

It is a great pleasure for this club to host this gathering, our Annual Gem and Mineral Show.

We bid you welcome, we sincerely hope this exposition of our work, our collections, our artistic talents will give you enjoyment.

We want you to stay as long as you like, have a good time, visit with our members of the Lincoln Gem and Mineral Club.

We hope you patronize our fine dealers without whose presence here, this show would not be possible.

Thank you for coming,

Marie J. Carveth
President
Lincoln Gem and Mineral Club.

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A FEW FACTS ABOUT OUR CLUB:

Organized - - - - - January 15, 1955

Incorporated - - - - - March 18, 1959

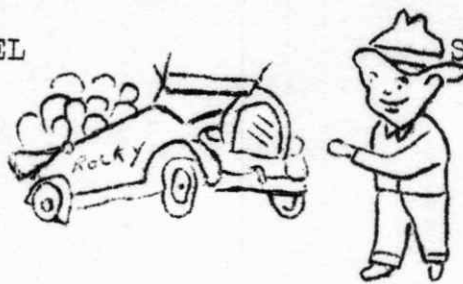
A Non-Profit Organization

PAST PRESIDENTS

1955 Maurice Tracy	1959 Irl Everett
1956 Irl Everett	1960 Virgil Carveth
1957 Richard Hedges	1961 R. D. Gibson
1958 A. O. Beckman	1962 John A. Lewis

* * *

H.E.L.P. "Help Eliminate Litter Please"



A ROCKHOUND IS A FUNNY GUY-
HE'S OFTEN THOUGHT QUITE SILLY
BECAUSE HE WALKS AND CLIMBS AND DIGS
ON PLAINS, AND LAND THAT'S HILLY.



HE'S NEVER, NEVER SATISFIED
WITH ROCKS THAT HE UNCOVERS,
HE PRIES, AND POUNDS, AND CRACKS, AND LICKS
WHILE HOPE AROUND HIM HOVERS.

HE TRAVELS MILES TO CAVE, TO STREAM
MINE DUMP, OR GRAVEL PIT;
ON NEWLY GRADED ROADS HE'LL POUNCE
TO GARNER SOME NICE BIT.



HE GOES TO SHOW, AND LONGS AND YEARNs,
TILL FINALLY HE'LL WEAKEN
AND BUY SOME MINERAL OR SLAB
WHICH HE SO LONG'S BEEN SEEKIN'.

WITH FRIEND, PAL, FOE, HE'LL MAKE A DEAL
CONSTANTLY TRADE AND DICKER,
FOR SOMETHING HE JUST HAS TO HAVE
IN FACT, HE'LL EVEN SLICKER!

YEP, ROCKHOUNDS ARE A FUNNY RACE
EARTH TREASURES THEY DO CRAVE
WHY, WHEN THEY DIE, THEY EVEN WANT
A STONE UPON THEIR GRAVE!



Helena Baegl
Member of the
Lincoln Gem and Mineral Club



The Lincoln Gem and Mineral Club is a civic minded organization, and its members participate in many services to their schools, church, and state.

Some of our activities are:

Donation of material and time to the State Hospital.

Donation of materials and time to the Boy Scouts, serving also as scout masters, den mothers, scout leaders and also Campfire Girls and leadership.

Donation to Cancer and Heart Fund, a memorial established to honor deceased members of the club.

Display of materials at school classes, in association with the board of education.

Co-operation with the Lincoln Air Base Hobby Show.

H.E.L.P. = means "Help Eliminate Litter Please". We, as members of the Lincoln Gem and Mineral Club practice this, by placing "Help" stickers where ever we picnic, camp and do our rockhunting. In the interest of keeping our state and country beautiful we feel we can help in a small way.

Participation in School Safty Program.

Interest in childrens hobby.

Nature study - Help in prevention of forest fires.

Interest in our own Outdoor Nebraska.

Display of Native Nebraska material, at the University of Nebraska, Morrill Hall.

Lapidary Instruction.

Co-operation with City Recreation Programs.

Acceptance of Volunteer work in Community Chest.

Many other commendable works are done by our members in our city and state, and in the services of our country.

We are proud to be members of a fine organization as the Lincoln Gem and Mineral Club, Inc. We are a young club, but we continue to grow in membership each year, and we sincerely feel and trust we will continue to do so.

THE HOUSE OF BLACK MAGIC

The House of Black Magic is presented to you by the Lincoln Gem and Mineral Club members, to acquaint you with the magnificent beauty of fluorescence. The phenomenon is the ability to glow in the dark when activated by ultraviolet light.

In the world of minerals, luminescence is apparent in some minerals when placed under the rays of ultraviolet light. When viewed under ordinary light of the visible spectrum, these minerals sometimes appear quite plain, like ordinary rock, but turn on an ultraviolet light and an exciting display of color jumps forth. Just what causes this unusual occurrence? What process of nature's handiwork causes the beautiful colors?

Briefly, what happens is this:

Ultraviolet light is light with a wave length just slightly longer than the longest visible light wave which we see. When these light waves fall on some materials it excites the electrons contained in the atoms, and causes them to release energy which is apparent to us as a visible light. The wave length of the emitted light varies, which causes different colors to appear.

Ultraviolet light comes in many types, but two types are shown. The short wave, which is just barely beyond the visible spectrum and long wave, which is just beyond that. Certain minerals fluoresce one color (or intensity) under short wave and another under long wave.

The phenomenon can occur almost any place-- in your home, plants in your garden, in living things, in the sea. The eggs in your refrigerator may turn pink under ultraviolet light and the Chlorophyll in plants glows a dull red.

Many are familiar with the luminous dials on watches and light switches. Most are acquainted with the long white tubes that provide illumination in millions of offices and homes.

Fluorescence plays a big part in the medicine of today. Researchers have used it in the study of cancer, and your physician's fluorescence screen is a great value to public health.

We hope this brief description will help you enjoy your visit to the House of Black Magic.

* * *

The phenomenon of fluorescence is responsible for all of the television sets of today. Every television tube is coated with a fluorescent powder on which the picture is transmitted. The reaction of the electrons releases visible light, which we know as fluorescence and makes possible the picture on the television tube.

FLINTLOCK WEAPONS

This display has been brought to our show by Dick Horning of Cheney, Nebraska, a member of our club.

All of the weapons are in working condition and they date to the early 1700s. This display includes a musket, military pistol, dueling pistol and a Queen Anne pistol.

The Flintlock weapons have a piece of flint in the cocking hammer, the flint strikes a piece of steel making sparks that ignite the powder charge. The powder explodes thus firing the bullets.

BLUNDERBUSS is a nickname for a musket that was used in the early 1600s to the 1700s. It was used by highway men and for hunting. It was a deadly gun when shot at close range as it held several shots at one time. Sometimes it was loaded with gravel.

SPHERES OF INTEREST

Mr. Glenn Hawkins, a guest from Marysville, Kansas, has brought us a special display of 32 beautiful spheres made from many interesting materials. Mr. Hawkins has been a hobbyist for a long time and we are very happy to be able to display his work.

Several of his spheres that are breathtaking in their brilliant colors, will be in the House of Black Magic. These consist of Franklinite, Willemite and Tremolite.

ARTIFACTS

Special thanks are extended to Harvey and Howard Kenfield and to the Prairie Valley Rock Club of Ogallala, Nebraska for their large display of Indian Artifacts and Gems on Location.

VASES

Beautiful hand carved vases will brighten a display case this year at our show. They are owned by Mr. and Mrs. Frank Krejci of Lincoln, Nebraska. The materials which they are made from are Rhodochrosite, Malachite and Onyx.

MACHINE SHOP NEWS

FACETING

A home made faceting machine will be in operation and will be operated by the owner Mr. Frank Krejci. A member of Lincoln Gem and Mineral Club six years, he has faceted many a gem on this machine in the three years since he has made it. A display of his faceted stones may be seen at the show. Mr. Krejci is the owner and operator of Frank's Body and Fender Shop in Lincoln, Nebraska.

SPHERES

Mr. Fred Gudtner is once again in our machine shop with his home made sphere machine. A member of two years standing in Lincoln Gem and Mineral Club. He will operate his own machine so you may see how a sphere is cut. Mr. Gudtner is a retired blacksmith and operates the Blue Valley Lapidary Shop at Beatrice, Nebraska.

LAPIDARY

Mr. Floyd Olson, our machine shop chairman, will demonstrate the art of lapidary work. He will be assisted by members of Lincoln Gem and Mineral Club. The demonstration will take you through all the steps of cutting a cabochon.

VIBRA-LAP and DIAMOND DRILL

This year a Vibra-lap and a diamond drill will be added to our shop. Many people are not acquainted with either of these machines and it is our pleasure to show them in operation to the public. They are owned by Mr. Fred Gudtner of Beatrice, Nebraska.

SAWING

A custom saw will be operated by our first vice-president, Thomas Simmons. Mr. Simmons is a member of Lincoln Gem and Mineral Club and operates the Simmons Rental and Lapidary Shop in Lincoln, Nebraska.

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A VOLUNTEER IS:

y- valuable to your club because you are
 O- bjective in your attitudes
 L- ooking for ways to serve
 u- nderstanding of all human frailties
 N- ever critical
 T- reating all as friends
 E- ager to learn
 E- arnest in carrying responsibility
 R- espectful of rightful authority
 S- incerely interested in club service

1963

1963

DEALERS

Our dealers give you an opportunity to buy lovely jewelry slabs and rough cutting material. Many have findings, minerals, etc. for sale. They await your inspection and selection.

This year we have four dealers with us who are from out of state and one dealer who is from the northwest part of Nebraska. It gives us great pleasure in welcoming our dealers who are with us for the first time this year.

Your dealers for 1963 are as follows:

CLYDE BENHAM
1711 Harwood St.
Lincoln, Nebraska

GUY MILLER
1245 North California
Hastings, Nebraska

EBERSOLE LAPIDARY
11417 West Highway 54
Wichita, Kansas

ROCKY GEMS
600 S. Madison
Wichita, Kansas

EVERETT LAPIDARY
2941 North 65th St.
Lincoln, Nebraska

PENICK LAPIDARY SUPPLY
P.O.Box 277
Lewellen, Nebraska

KEN'S MINERALS
Route #3
Custer, South Dakota

SILVER PICK ROCK SHOP
1600 Keo
Des Moines, Iowa

* * *

ON IDENTIFICATION

I've looked into Pough's
And I've memorized Moh's
I've even paid Dana a visit

But when its all said
I still scratch my head
And sit and wonder

??? WHAT IS IT ???

* * *

H.E.L.P. " Help Eliminate Litter Please"