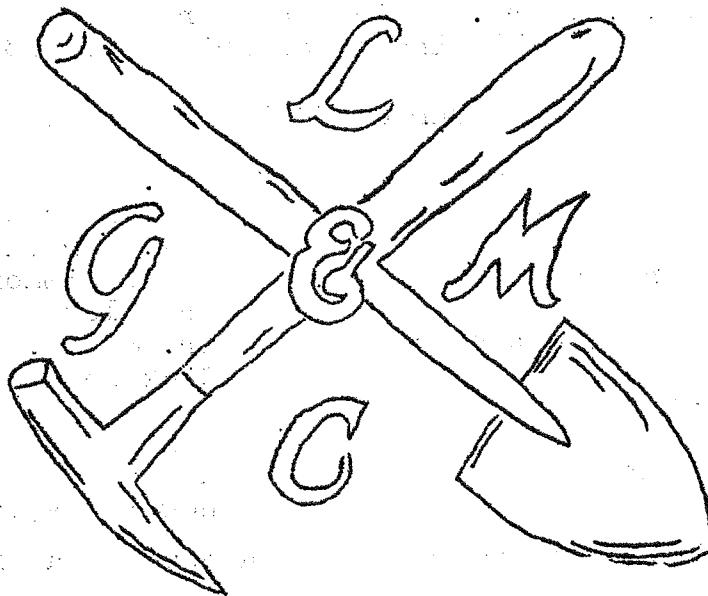


Jan. 1967

THE PICK & SHOVEL



L I N C O L N G E M A N D M I N E R A L C L U B , I N C .

Lincoln, Nebraska

THE PICK & SHOVEL

Official Publication of
THE LINCOLN GEM AND MINERAL CLUB, INC., LINCOLN, NEBRASKA

The purpose of this corporation shall be to improve it's members in the art of cutting and polishing gem materials, to further the study of mineralogy and geology, to collect minerals and gem materials, and to provide opportunity for the purchase, exchange and exhibition of mineral specimens and materials.

1967 ELECTED OFFICERS

President	Mr. Gene Eno 2600 Garfield Zip 68502	423-6157
1st Vice President .	Mr. Howard Taylor 910 New Hampshire Zip 68508	432-3707
2nd Vice President .	Mr. G. W. McKinney 6720 Ballard Zip 68507	466-0196
Recording Secretary .	Mrs. Katherine Ulrich 441 Jeffery Drive Zip 68505	434-6757
Treasurer	Mrs. Louise Baugher 7415 Engelwood Drive Zip 68510	438-4274

APPOINTED OFFICERS & CHAIRMEN

Liason Representative	Mrs. Velma Bloyd
Historian and By-Laws	Mrs. Frances Tracy
Librarian	Mrs. Dorothy Engelhart
Program Coordinator	Roger Simmons
Field Trips	Art Bloyd
Hospitality & Guest Book	Mr. & Mrs. John A. Lewis
Education	Dick Hedges
Refreshments	Mr. & Mrs. Earl C. Amen
Junior Member Sponsor	Gene Eno
Scholarship Fund Coupons	Helena Baegl
1967 Centennial Rockrama	Howard Taylor

Other appointments to be announced as filled

BULLETIN STAFF

Editor	Mrs. Phyllis Parks, 2435 S. 19th St., Lincoln Zip 68502	423-6798
Assistant.	Mrs. Norma Miller	
Art Work	Jim Parks	
Club News.	Mrs. Marie Carveth, 2526 S. 11th St., Lincoln Zip 68502	432-9100
Reporters.	ALL CLUB MEMBERS	

News items and other contributions which may be of interest to our membership and exchanges should be in the editors hands no later than the fifth of the month to be used.

AFFILIATED WITH

- MIDWEST FEDERATION OF MINERALOGICAL AND GEOLOGICAL SOCIETIES
- AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES
- THE NATIONAL ASSOCIATION OF BULLETIN EDITORS

Articles published in THE PICK AND SHOVEL may be reprinted if credit is given and a copy of the publication is mailed to the editor.

EVENTS THIS MONTH

Regular Meeting--Saturday, January 28, 1967
 7:30 P.M.
 Roberts Dairy Party Room, 211 So. 20th St.

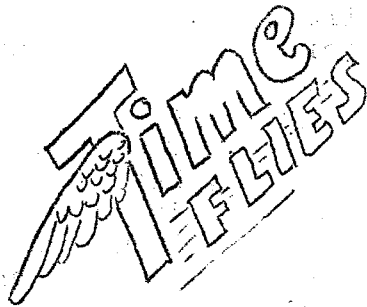
PROGRAM

"THIS IS YOUR LIFE
 LINCOLN GEM & MINERAL CLUB"



You can look for a very interesting program under the direction of your new program chairman, Roger Simmons.

Refreshments for the evening will be Anniversary Cake and coffee for all.



DUES ARE DUE

1967 dues of \$3.00 per adult, \$1.00 per junior member, or \$7.00 per family are due and payable before March 1st. You may pay at the club meetings or mail a check to the treasurer, Mrs. Louise Baugher, 7415 Engelwood Drive, Lincoln, Nebraska, 68510.

COMING EVENTS

- Febr. 10-11-12 - Field Trip to Chicago Museums*
- April 7-9 - Central Nebraska Rock & Mineral Society Show,
 City Auditorium, Hastings, Nebraska
- April 21-23 - Greater Kansas City Gem & Mineral Club Show
- May 12-14 - Nebraska State Rock Show, Kearney, Nebraska
- May 20-21 - Central Iowa Mineral Society, Fifth Annual All-Iowa Round-Up
- June 9-11 - Rocky Mt. Federation Annual Convention and Show, Casper, Wyo.
- June 29-July 2 - American Federation & Eastern Federation combined
 convention & show, Washington, D. C.
- July 27-30 - Midwest Federal Convention & Show, Rock Island, Illinois
- Sept. 22-24 - Lincoln Gem & Mineral Club--NEBRASKA CENTENNIAL ROCKRAMA

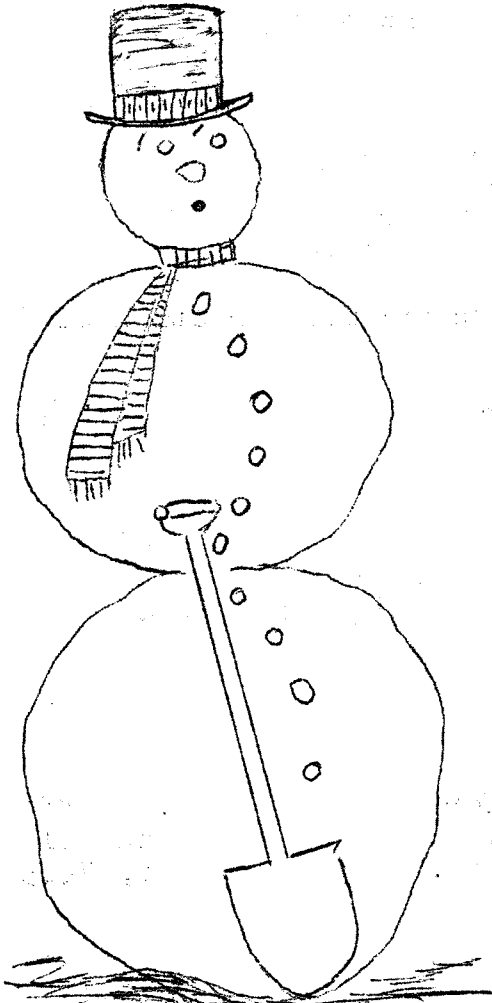
* Don't forget that extra special FIELD TRIP, February 10-11, 1967. This trip is sponsored by your Nebraska State Vice-Presidents, your host will be Mr. Russell Kemp. You will visit the Chicago Field Museum, and the Lizzadro Museum as well as the Lizzadro Museum School and Rock Shop. This should be a very interesting and entertaining excursion. For any further information please contact Mrs. Dorothy Engelhart, 4130 Witherbee.

The President's Message

The Lincoln Gem and Mineral Club is now entering it's twelfth year. Our organization is now just over ten times as large as the original club. We have reached the size and have the man (and woman) power which will enable us to do almost anything to which we put our minds and efforts.

Besides enlarging the scope of our intra-club educational program, hosting the Rockrama in September, and continuing the many activities we now undertake, we could embark on several new projects or activities.

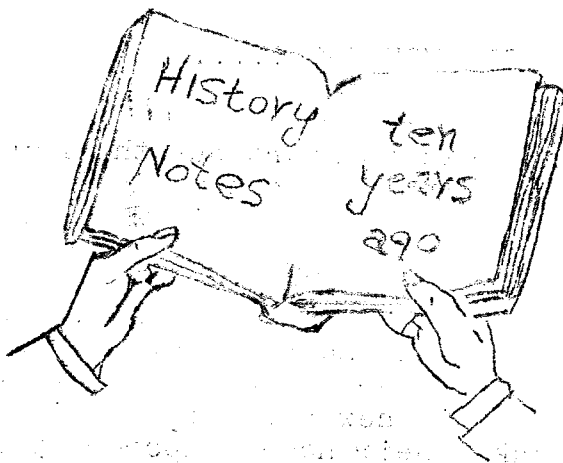
This presents a problem however - what projects or activities. As you all know the activities and business of the club are directed by the Board of Directors. Having served on the Board now for two years I can state that your directors try to vote what they believe is the best for the club and in accord with the members wishes. Often times however, you do not know exactly how the membership feels about a certain activity or item under discussion. This is where each member may help. If you have an idea or an opinion on certain club business make it known to a member of the Board. Only in this manner can the Board act in the true interest of the membership. If you have an idea or an opinion and do not express it, you have only yourself to blame if things don't happen the way you desire.



Conversely, however, if you do express an idea or an opinion, be prepared to sit with the minority some of the time, for it isn't feasible to do everything the exact way each individual member may wish.

With the free flow of ideas and opinions from the membership to the Board and proper discussion and decision by the Board your club will go forward and continue to grow and serve each of us in the best manner possible.

Gene Eno



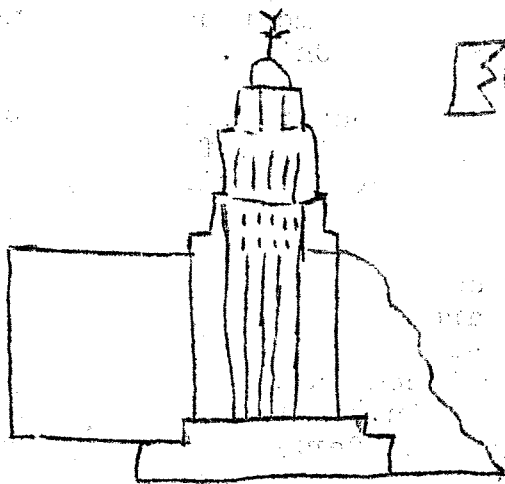
The Lincoln Gem and Mineral Club met January 21, 1957, in the auditorium of Morrill Hall.

A class, similar to the ones held in 1956, for study of common minerals was discussed. Sufficient members were interested and the Tracy's offered their home. Thursday evenings at 7:00 o'clock was chosen for these classes.

Kenneth Doe was in charge of the program on ways of recognizing the different varieties of quartz, feldspar and mica.

Historian - Frances Tracy

ADVERTISEMENT



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2941 North 65th Street

Phone 466-6204

THIS IS CLEARANCE MONTH

We have to move ROUGH & SLABS
Come on out and see what we have.....

* * * * *

LOTS OF NEW ROUGH

* * * * *

SATISFIED CUSTOMERS ARE OUR BEST ADVERTISEMENT

* * * * *

DID YOU KNOW.....

We have some "happy" news to start out the New Year - on the scene around the McGinnis family circle is a new little granddaughter, Christine Annette Warren; born to the McGinnis' daughter and her husband. The new daddy is serving with the Air Force in the Phillipine area.

Also congratulations to Mr. & Mrs. Baugher, a son was born to their daughter Joanna, and her husband Larry. The little man has been named Larry, Jr. I am sure this is the youngest Junior Member. Around February 1st Larry and Jo and their new baby will be in Lincoln at which time Jo and Larry, Jr. will make their home temporarily with her parents while Larry, Sr. goes overseas on a tour of duty for Uncle Sam.

Mr. & Mrs. Roger Simmons and Mrs. Marjorie Heedick have moved their Great Plains Jewelry Store into a new location in the Sharp Bldg. A truly beautiful shop! Much luck in your new place of business.

This may sound like a medical report, the old flu bug and Mr. Winter have been real busy and several members have been bitten by the virus bug - Mr. Amen spent a week at home, Mrs. Parks' mother is in Lincoln General Hospital, Mrs. Simon's mother just returned from a stay there. Mr. Waddle, we hope your allergy is completely gone. We must keep you busy cutting and polishing those beautiful opals! We're happy to report here K. Ulrich is coming along fine.

I understand our Editor received some lovely hand-carved wooden ducks for Christmas, the work of the talented hands of her husband, Jim.

Mr. Carveth received a beautiful hand-carved camphor wood box... just right for silver work storage. The box has a most unusual handmade brass lock and key - typical of the work from Old China.

Dorothy had a busy house at Christmas time entertaining the McNamars from Iowa. The day after Christmas was especially full when various members from our rock club helped Ed celebrate his birthday, the 39th, that is.

Won't it be fun to see the beards on some of the faces of our heroes - those daring not to shave. Here are a few on the list in case you do not recognize them. Of course, we all saw Bob Bainbridge at the Christmas Party - such a handsome, distinguished man, that Bob! He does look a little like an escapee from "Wagon Train." Just kidding Bob! Then there is Gene Eno - our new president, and Perry Douthit, and Ray Sincebaugh! Wouldn't it be fun to have a contest among the members this Centennial Year? How about it? The ladies could serve as the judges.

Until next time - Adios -

Marie Carveth

* * * * *

FOR SALE

Showcase, glass, 6 feet long, 20 inches wide and 38 inches high. Storage space underneath. Call 435-6960

ad placed by Mrs. Lange

EXCERPTS FROM FEESE'S LECTURE ON JADE:
from The Rustlers News

What is Jade? Actually it is a broad term covering many minerals but we usually speak of Jade as including two main types--Jadeite which is the most rare and choice and the more common variety called Nephrite. Jadeite has been almost exclusively found in Burma while the Nephrite is the type found usually in Wyoming. Only recently has any Jadeite been found in the Western Hemisphere and now there is evidence that both Wyoming and California have some Jadeite as well as the Nephrite. Nephrite Jade was used long before Jadeite was recognized because Jadeite as such has come into prominence only within the last 200 years.

The Chinese and also the Aztecs of Mexico carved the Nephrite Jade centuries before Christ. When Cortez invaded Mexico, he discovered that Jade was more highly prized by the natives than gold. It is of interest that the earliest Jade was found in the rivers of Turkestan and for many centuries only women were allowed to locate Jade, due to the belief that women were virtuous and thus would attract the stone of virtue. Also at this point we might mention that despite the term "Chinese Jade" - no Jade has ever occurred in China proper. It was all brought in by caravan from the border areas such as Burma, Turkestan and Siberia. The Jade was cut and carved in China, hence the term Chinese Jade.

Jadeite chemically is Sodium Aluminum Silicate while Nephrite is Calcium Magnesium Iron Silicate. Physically, they resemble each other so closely that it is difficult to distinguish between them after cutting and polishing. Jadeite is slightly harder than Nephrite and tends to be more transparent. Both types are tough, compact and have a splintery fracture. When Jade is chipped, it will look like a piece of soap which has been broken with a feathery exposure. In fact, Jade has a soapy or slightly greasy feel to the touch. Much of the Jade has a matrix which is vastly different from the interior. Only the wind-polished Jade which has lain exposed to the weather for centuries has the typical appearance of smooth Jade as we think of it. It is the only stone besides a diamond which will resist heat and cold--an agate would not survive the rough treatment of Jade.

Kraft, who was one of the greatest Jade enthusiasts, gave us in his book a beautiful definition of Jade as follows: "Jade is the toughest stone on earth and like the meek it inherits the earth and comes as near being immortal as the stuff of the earth itself. It was formed under great singular passion for beauty--". He also wrote, "Jade is not for man's material gain, but for the betterment of his immortal soul and the quickening of the spirit of adventure within him."

Jade occurs in all colors which may surprise you. It varies from white to black, green, purple, red, yellow, brown, pink and grey. All Jade was originally white--the colors coming from impurities picked up while the mineral was in the molten state. Over 3700 colors and shades have been catalogued.

(continued next page)

FEESE' LECTURE ON JADE (cont'd.)

The story is often told of the American soldier who bought Jade in the Orient and then discovered after visiting with the shopkeeper that it came from Wyoming. As the oldtimer said, "Jade hunting in Wyoming is good but the finding is just plain Hell." And, in general, this is true; the good surface finds are becoming few but there are still some fine pieces picked up every year.

The Jade which most of us look for in Wyoming is in the Sweetwater River area which is made up of Precambrian granite hills. The Jade occurs in place in the Precambrian rocks and also is washed down boulders and small pieces. It presumably originated in the Precambrian formation and was eroded and transported by streams and floods. A good place to look for Jade is at the junction of the granite and white-river formations. Float Jade has been found over a large area along the Sweetwater River and the size has been from one ounce to hundreds of pounds. The thousands of people who have looked for Jade since its discovery have picked up most of the surface pieces--but there is no doubt that much Jade is under the surface. Wyoming Nephrite was first found about 1937 and at that time a person could pick up a hundred pounds in a day and of the best quality. Literally, tons of our Jade was shipped to China where it was carved or made into jewelry. Over night Wyoming became the main world source of Jade.

In theory, any Precambrian area should produce Jade and there are many of these areas in Wyoming. The Wind River Range, Big Horns, Laramie Range, and a small area in northern Wyoming as well as the Sweetwater. However, many of these areas are inaccessible and others have a washed sediment over the granite.

The amateur Jade hunter often has fantastic luck in finding a good piece of Jade while the experienced one may spend all summer without a good find. It is certainly worth the investment to purchase a U. S. Geological Survey area map showing the geology of Wyoming and on this map one can easily superimpose the highways and trails or rough in the geological areas you are interested in on a highway map. The most important thing in seeking the Jade trail is to remember that you are not looking for an ordinary stone--you are seeking the Jewel of Heaven, and as Mr. Kraft said, "Jade is not for man's material gain, but for the betterment of his immortal soul and the quickening of the spirit of adventure within him."

The Chinese revere the white Jade above all other colors but value the golden and emerald Jade as the best commercial type. Jade is symbolic with their religion and they ascribe the five cardinal virtues to it namely: charity, modesty, courage, justice and wisdom. At one time only those of high rank were allowed to possess Jade--the priests, emperor and high nobility carried Jade as proof of their station in life. Since it is supposed to possess special powers, the poorer classes made great effort to own a single piece, it being their most prized possession and treasured for generations. Also in early times, Jade was the

(continued next page)

FEESE'S LECTURE ON JADE (cont'd.)

equivalent of money and was standardized as such. If a piece became worn or chipped, it was restandardized by the priests and an affidavit of its weight given. These people had no metal tools for carving the early pieces and used bamboo with a fine river sand for the abrasive. It often took several generations to make one piece. Later they ground up garnets and used them for the abrasive. After metal tools came into use, they still employed the use of garnet abrasives.

It is said that the wealthy women of China never had wrinkles as they stroked their flesh with a smooth piece of Jade while they rested. Of course, they never did any work either so maybe it isn't a foolproof system. The Chinese employed the use of the monkey, scorpion, lotus flower, dragon, turtle and also the circle of infinity in many of their carvings. We have seen a very rare book made of Jade at Gump's in San Francisco--each leaf is a polished slab of 10 inches by 4 inches and inlaid with gold. It portrays the story of a Chinese family and the top slab or page has an intricate golden dragon on it. Museums and collectors in the United States have become very appreciative of carved Jade. Jade in the present time still retains a magic sound. The Jade Rockhound does not think he can find a piece unless he has one on his person for bait and no Chinese would ever step out of his door without a pocket piece. Those of us who have learned to love Jade are almost as bad.

Pearl Buck is a great lover of Jade and she wrote thus in her book "Farewell to China"; and so I went south to Canton and I am glad I have seen once more the Old Canton before it was improved, for in the old city I could walk the ancient streets where the Jade shops are found. There was Jade in every color, yellow, rust blue, green as spring rice, mottled as marble or smooth and cold as mutton fat. Every variety exquisite and put to exquisite use. I have seen triumphs of such art in the palaces of Peking. Whole landscapes carved from a single lump of Jade but here in the Canton streets I saw it actually done. A lifetime spent on one piece. Jade became in China a divine gem, a sign of imperial power from the time of the Third Century before Christ when the first great Imperial Seal was made for the Emperor. That seal has been preserved throughout the dynasties so that whoever was strong enough to gain it and to keep it, by that very sign, became the Heaven ordained ruler. Indeed, Jade is a possession to be cherished by anyone who can find it, buy it or steal it. Chinese women ask for Jade ornaments for their hair and old men keep in their closed palms a piece of cool Jade, so smooth it seems soft to the touch. Rich men buy Jade instead of putting their money in banks for Jade grows more beautiful with age. When men die, their families put Jade in tombs; the poorest courtesan has her bit of Jade to hang in her ears or to use as a hair pin and the most successful actresses wear Jade instead of diamonds because Jade is the most sumptuous of all jewels against a woman's flesh.

So you see our mountains of Wyoming, so aptly called the "Shining Mountains" by the Indians have bestowed upon us a great heritage- a gem stone which has been revered and sought for centuries.

From the FLINT ROCK AND GEM CLUB

Sometimes we like you to pass tests -- proficiency in the use of Lapidary lab equipment or in mineral identification to stimulate interest and growth of understanding of your hobby. But this is one Quiz we would like to have every Rockhound member fail.

1. Fail to attend meetings.
2. If you go, be sure to be late.
3. Don't pay your dues.
4. Never volunteer for anything.
5. Find fault with the officers.
6. Don't speak up at the meetings. Wait until later and tell how things should be done.
7. Sit back and let others do the hard work, if the work is successful be sure to tell everybody you are connected with the group. If it fails, tell them it is run by a clique.
8. Turn down any appeal to run for office, you will have more fun criticizing others.
9. Should you be appointed to a committee, don't attend meeting and don't do your share of the work. However, if you are not appointed to a committee, next time raise the roof.

--via THE ROCK PILE

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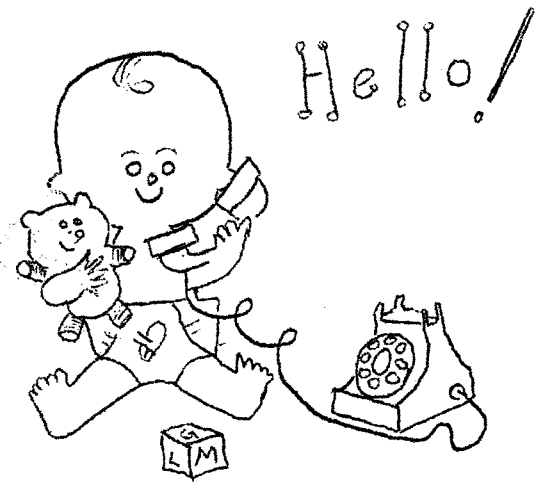
SO YOU THINK YOU HAVE JADE - from The Rockette via The Template

- 1 - If a small chip is knocked off the end of the suspected rock, the freshly broken surface should not sparkle in the sun. If it sparkles or glitters, it is not Jade.
- 2 - If you can scratch it with a knife point, it is not Jade.
- 3 - It should be much heavier than a common rock of similar size.
- 4 - Tap the specimen lightly with the point of your hammer. If a small moon-shaped fracture shows up it is agate or jasper but not Jade.
- 5 - If it is Jade it will have a smooth, waxy, almost greased look.

= = =

Lloyd Baugher has one oak showcase, two feet wide by six feet long, for sale. Storage space available in the back part of the case. If you are interested call 488-4274 and make arrangements to see it.

Name Larry Earl Pope, Jr.
 Born January 6, 1967
 Weight 6 lbs, 13 ozs.
 Length 20 inches



When Larry Jr. gets his dues paid he'll make the 4th generation presently in the Lincoln Gem & Mineral Club:

- Joe Barker - great grandfather
- Lloyd and Louise Baugher - proud grandparents
- Larry and Jo Pope - parents
- Pebbel Pup Pope - new addition

* * *

Gleaning: No joy in nature is so sublimely affecting as the joy of a mother at the good fortune of her child. -Richter

advertisement

CLAUS LAPIDARY & CERAMICS

2639 West 0 Street

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SPECIAL
 Beautiful new ring mountings
 (both gold and sterling)
 Also neckchains - extra fine

Open noon until ten every day

We specialize in mountings of all kinds.

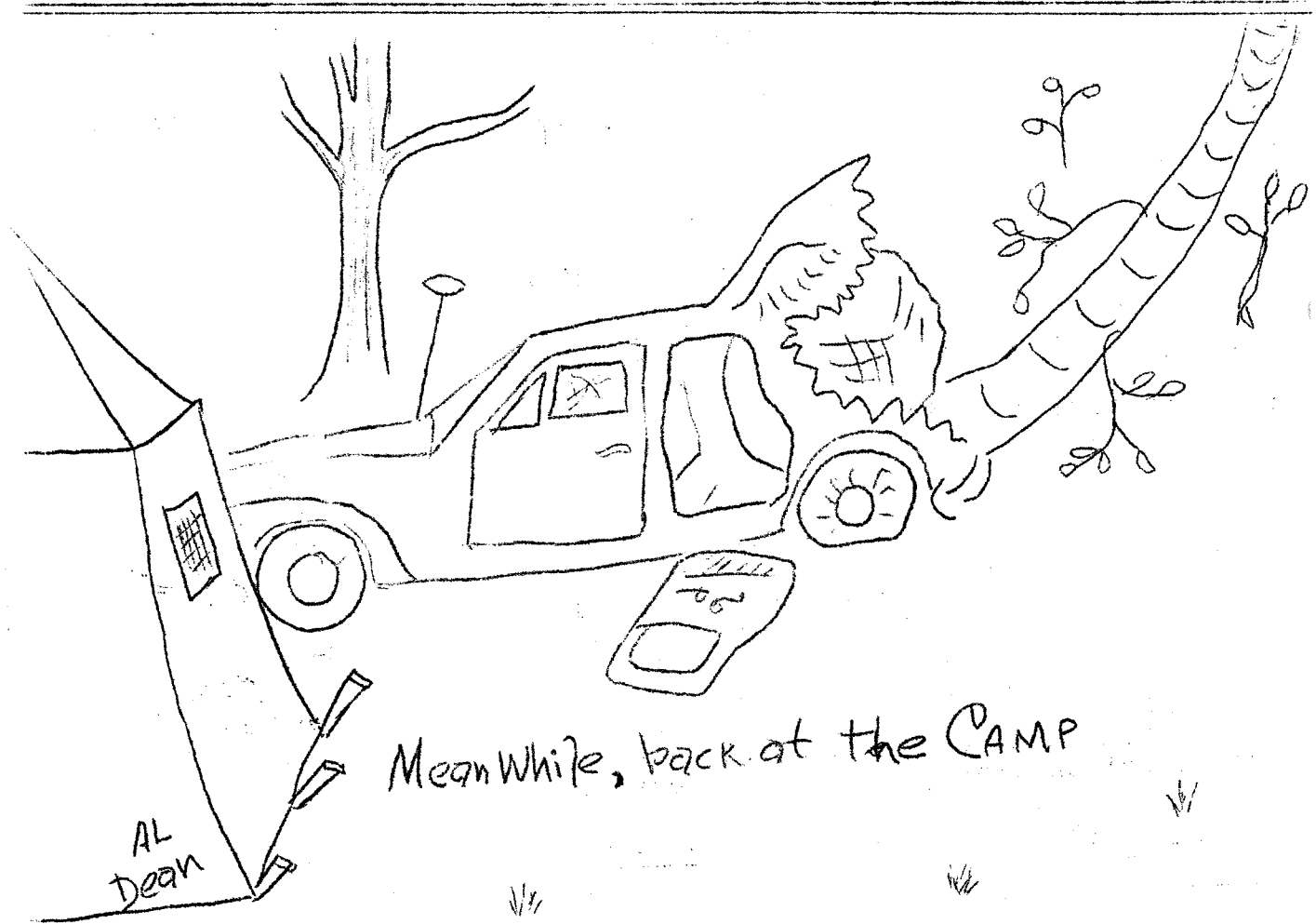
Now is a good time to come out and select those grits you've been needing for your tumblers and polishing operations. We have all kinds for you to make choices.

OPTIVISORS to help in preparing those fine gems and specimens for your ROCKRAMA cases.



COME OUT AND VISIT "THE DO-IT-YOURSELF SHOP"

Please note that the city fathers have changed our street number.



FOR THE JUNIOR MEMBERS:

Your Junior leader for 1967 will be our club president, Mr. Gene Eno. Your first meeting will be at his home, 2600 Garfield, on Friday evening, January 20, at 7:30 P. M. This will be a meeting to plan and prepare for a good and pleasing year so everyone try to be there.

ON FIELD TRIPS:

Our 1967 Field Trip Chairman, Art Bloyd, wants everyone to be thinking of the trips they would like to take and the times they can go so that he will be able to schedule events to benefit and please the greatest number of club members possible.

HOSPITALIZED:

David Eno called to let us know that his father, Harold, was in Bryan Memorial Hospital with a heart attack. We hope he is now on the recovery list and may continue in good health.

FORMULA FOR FAILURE: Try to please everybody.

-Herbert Bayard Swope

advertisement

SIMMONS

R E N T A L & L A P I D A R Y

2970 South Street

Phone 488-1619

3 P. M. - 9:30 P. M.

Winter's cold days are a wonderful time
to renew your ideas through reading and
studying. Magazines and good reference
material on hand at all times. See us.



LB251 - LB252 - LB253 - TO PICK STATE ROCK, FOSSIL, STONE !!!

Senator George Gerdes of Alliance and Senator Richard Proud of Omaha introduced bills to the 1967 Nebraska Legislature to designate the mammoth as the state fossil; Dakota Sandstone as the state rock; and chalcedony stone, commonly known as prairie agate, as the state gem stone. These bills as they were introduced read:

LB251 (Gerdes,Proud)-- Adopting chalcedony stone, commonly known as prairie agate, as the state stone of Nebraska.

LB252 (Gerdes,Proud)--Designating the mammoth as the official state fossil.

LB253 (Gerdes,Proud)--Adopting Dakota Sandstone as the Nebraska state rock.

-via THE LINCOLN STAR

ZIP CODES -- Please check to make sure that we have the correct one on your Pick & Shovel. If not please notify the staff and insure prompt delivery every time.

DUES ARE DUE

FEDERATION NOTE: At the time of this typing, just a few hours from assembly time, the NEWSLETTER has not arrived so will be included in your February issue if possible.

NEW DEADLINES: Copy to be in the editors possession no later than -
 1st of month to be printed - All ad copy and committee reports
 5th of month to be used - All club news and coming events.
 25th of month previous to printing - Articles or special copy.

These deadlines must be met in order to facilitate the planning necessary to spread the work of typing, art, assembly and mailing among all available volunteers. We must do this in order to assure delivery of The Pick & Shovel a sufficient time before meetings.

Please remember that if NEWS does not reach the hands of one of the staff it cannot be printed. Each member should consider himself or herself a news reporter and get the material into the Pick & Shovel.

" STAND ON THE SHOULDERS OF GIANTS "

This is the American Federation motto for 1966-1967.
 Stand on the shoulders of giants and look about you, and when you have looked, share what you have learned with others.

So sayeth Bernice L. Rixin, President AFMS

"OH, DO THIS ROCK FOR ME"

I bought myself a diamond saw
And, Boy! Was it a honey!
I figured long and late and hard
Before I spent the money.
But now it's worn, the blade is dull -
I think I was a bit too free -
Too oft I yielded when they said
"Oh, slab this Rock for me!"

I bought an arbor, "double barrelled,"
with bearings made of balls,
and each time I view it now
A teardrop forms and falls.
The wheels are worn down to the hubs
And now I clearly see
The grit was spent for those who said
"Oh, grind this rock for me!"

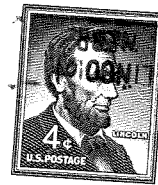
I made a lap and was I proud
To see it smoothly run!
I visioned bookends nicely made
And hours of rockhound fun.
And now it rattles, the disc is thin,
And sorrowfully I see
Too oft I heard that old appeal
"Oh, lap this rock for me!"

To those who've never spent a dime
For saws or wheels or laps,
A word from one who's suffered long
May do some good. (Perhaps.)
Those whirling things cost lots of dough,
So ere you make your plea
Think of the cost your friend incurs
To shape those rocks for thee!

from "The Agate Pete Stories and Poems"
by Harry L. Zollars-via Mesabi Media

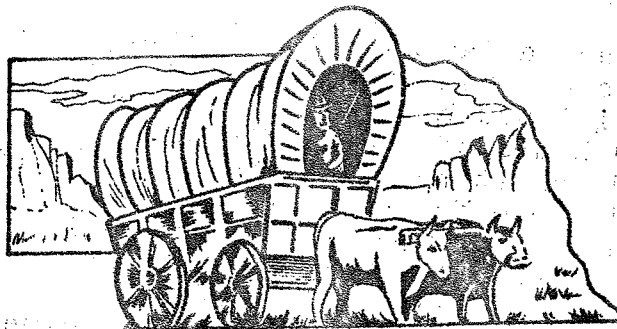
DUES ARE DUE

Lincoln Gem & Mineral Club, Inc.
Phyllis Parks, Editor
2435 South 19th St.
Lincoln, Nebraska 68502



T O

Mr. & Mrs. Maurice Tracy
3801 South St.
Lincoln, Nebr. 68506



N E B R A S K A C E N T E N N I A L

R E M E M B E R

COUPONS FOR SCHOLARSHIP - General Mills Coupons $\frac{1}{2}$ cent each

SAVE STAMPS FOR MILK - Feed refugee children

H E L P E L I M I N A T E L I T T E R P L E A S E